

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
OVERVIEW & CONCURRENCE FORM

O.M.B No. 1660-0016
Expires February 28, 2014

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington, VA 20958-3005, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.

PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).

ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.

DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

A. REQUESTED RESPONSE FROM DHS-FEMA

This request is for a (check one):

☒ CLOMR: A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72).

☐ LOMR: A letter from DHS-FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway or flood elevations. (See 44 CFR Ch. 1, Parts 60, 65 & 72)

B. OVERVIEW

1. The NFIP map panel(s) affected for all impacted communities is (are):

Community No.	Community Name	State	Map No.	Panel No.	Effective Date
Example: 480301	City of Katy	TX	48473C	0005D	02/08/83
480287	Harris County	TX	48201C	0220G	09/28/90
450184	City of Sumter	SC	45085C	0303D	02/16/07
			45085C	0311D	02/16/07
450182	Sumter County	SC	45085C	0303D	02/16/07
			45085C	0311D	02/16/07

2. a. Flooding Source: Shot Pouch Branch

b. Types of Flooding: ☒ Riverine ☐ Coastal ☐ Shallow Flooding (e.g., Zones AO and AH)
☐ Alluvial fan ☐ Lakes ☐ Other (Attach Description)

3. Project Name/Identifier: Shot Pouch Branch Greenway

4. FEMA zone designations affected: AE, X (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)

5. Basis for Request and Type of Revision:

a. The basis for this revision request is (check all that apply)

☒ Physical Change ☐ Improved Methodology/Data ☒ Regulatory Floodway Revision ☒ Base Map Changes
☐ Coastal Analysis ☒ Hydraulic Analysis ☐ Hydrologic Analysis ☒ Corrections
☐ Weir-Dam Changes ☐ Levee Certification ☐ Alluvial Fan Analysis ☐ Natural Changes
☒ New Topographic Data ☐ Other (Attach Description)

Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.

b. The area of revision encompasses the following structures (check all that apply)

Structures:

☐ Channelization

☐ Levee/Floodwall

☒ Bridge/Culvert

☐ Dam

☐ Fill

☐ Other (Attach Description)

6. ☒ Documentation of ESA compliance is submitted (required to initiate CLOMR review). Please refer to the instructions for more information.

C. REVIEW FEE

Has the review fee for the appropriate request category been included?

☐ Yes

Fee amount: \$0.00

☒ No, Attach Explanation

Please see the DHS-FEMA Web site at http://www.fema.gov/plan/prevent/fhm/frm_fees.shtml for Fee Amounts and Exemptions.

D. SIGNATURE

All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name: Chip Wyatt, EIT

Company: Seamon Whiteside

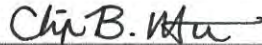
Mailing Address:
501 Wando Park Boulevard, Suite 200
Mount Pleasant, SC 29464

Daytime Telephone No.: 843-884-1667

Fax No.: N/A

E-Mail Address: cwyatt@seamonwhiteside.com

Signature of Requester (required):



Date: 02/19/2019

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirements for when fill is placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. For Conditional LOMR requests, the applicant has documented Endangered Species Act (ESA) compliance to FEMA prior to FEMA's review of the Conditional LOMR application. For LOMR requests, I acknowledge that compliance with Sections 9 and 10 of the ESA has been achieved independently of FEMA's process. For actions authorized, funded, or being carried out by Federal or State agencies, documentation from the agency showing its compliance with Section 7(a)(2) of the ESA will be submitted. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.

Community Official's Name and Title: Helen Roodman, Zoning Administrator, Floodplain Coordinator

Community Name: City of Sumter, SC

Mailing Address:
12 W. Liberty Street
Sumter, SC 29150

Daytime Telephone No.: 803-774-1660

Fax No.: N/A

E-Mail Address: hroodman@sumtersc.gov

Community Official's Signature (required):



Date: 02/19/2019

CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR

This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: David Prohaska, PE

License No.: 30780

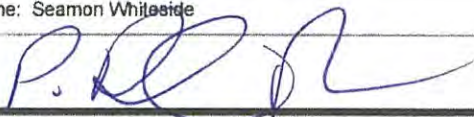
Expiration Date: 06/30/2020

Company Name: Seamon Whiteside

Telephone No.: 843-884-1667

Fax No.: N/A

Signature:



Date:
02/19/2019

E-Mail Address: dprohaska@seamonwhiteside.com

Ensure the forms that are appropriate to your revision request are included in your submittal.

Form Name and (Number)

Required if ...

☒ Riverine Hydrology and Hydraulics Form (Form 2)	New or revised discharges or water-surface elevations
☒ Riverine Structures Form (Form 3)	Channel is modified, addition/revision of bridge/culverts, addition/revision of levee/floodwall, addition/revision of dam
☐ Coastal Analysis Form (Form 4)	New or revised coastal elevations
☐ Coastal Structures Form (Form 5)	Addition/revision of coastal structure
☐ Alluvial Fan Flooding Form (Form 6)	Flood control measures on alluvial fans

Seal (Optional)

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
RIVERINE HYDROLOGY & HYDRAULICS FORM

O.M.B No. 1660-0016
Expires February 28, 2014

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 3.5 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington VA 20958-3005, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.

PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).

ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.

DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a NFIP Flood Insurance Rate Maps (FIRM).

Flooding Source: Shot Pouch Creek

Note: Fill out one form for each flooding source studied

A. HYDROLOGY

1. Reason for New Hydrologic Analysis (check all that apply)

☒ Not revised (skip to section B)	☐ No existing analysis	☐ Improved data
☐ Alternative methodology	☐ Proposed Conditions (CLOMR)	☐ Changed physical condition of watershed

2. Comparison of Representative 1%-Annual-Chance Discharges

Location	Drainage Area (Sq. Mi.)	Effective/FIS (cfs)	Revised (cfs)

3. Methodology for New Hydrologic Analysis (check all that apply)

☐ Statistical Analysis of Gage Records	☐ Precipitation/Runoff Model → Specify Model: _____
☐ Regional Regression Equations	☐ Other (please attach description)

Please enclose all relevant models in digital format, maps, computations (including computation of parameters), and documentation to support the new analysis.

4. Review/Approval of Analysis

If your community requires a regional, state, or federal agency to review the hydrologic analysis, please attach evidence of approval/review.

5. Impacts of Sediment Transport on Hydrology

Is the hydrology for the revised flooding source(s) affected by sediment transport? ☐ Yes ☐ No

If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation..

B. HYDRAULICS

1. Reach to be Revised

	Description	Cross Section	Water-Surface Elevations (ft.)	
			Effective	Proposed/Revised
Downstream Limit*	<u>Dillon Park</u>	<u>14477.5</u>	<u>167.42</u>	<u>167.42</u>
Upstream Limit*	<u>Swan Lake Iris Gardens</u>	<u>2009.0</u>	<u>146.29</u>	<u>146.29</u>

*Proposed/Revised elevations must tie-into the Effective elevations within 0.5 foot at the downstream and upstream limits of revision.

2. Hydraulic Method/Model Used: HEC-RAS

3. Pre-Submittal Review of Hydraulic Models*

DHS-FEMA has developed two review programs, CHECK-2 and CHECK-RAS, to aid in the review of HEC-2 and HEC-RAS hydraulic models, respectively. We recommend that you review your HEC-2 and HEC-RAS models with CHECK-2 and CHECK-RAS.

4.

<u>Models Submitted</u>	<u>Natural Run</u>		<u>Floodway Run</u>		<u>Datum</u>
Duplicate Effective Model*	File Name: DuplicateEffective	Plan Name: Shot Pouch Branch	File Name: DuplicateEffective	Plan Name: Floodway	NGVD29
Corrected Effective Model*	File Name: N/A	Plan Name: N/A	File Name: N/A	Plan Name: N/A	N/A
Existing or Pre-Project Conditions Model	File Name: Existing	Plan Name: Shot Pouch Branch	File Name: Existing	Plan Name: Floodway	NGVD29
Revised or Post-Project Conditions Model	File Name: ShotPouchBranch-P	Plan Name: Plan05	File Name: ShotPouchBranch-P	Plan Name: Floodway	NGVD29
Other - (attach description)	File Name: N/A	Plan Name: N/A	File Name: N/A	Plan Name: N/A	N/A

* For details, refer to the corresponding section of the instructions.

☒ Digital Models Submitted? (Required)

C. MAPPING REQUIREMENTS

A **certified topographic work map** must be submitted showing the following information (where applicable): the boundaries of the effective, existing, and proposed conditions 1%-annual-chance floodplain (for approximate Zone A revisions) or the boundaries of the 1%- and 0.2%-annual-chance floodplains and regulatory floodway (for detailed Zone AE, AO, and AH revisions); location and alignment of all cross sections with stationing control indicated; stream, road, and other alignments (e.g., dams, levees, etc.); current community easements and boundaries; boundaries of the requester's property; certification of a registered professional engineer registered in the subject State; location and description of reference marks; and the referenced vertical datum (NGVD, NAVD, etc.).

☒ Digital Mapping (GIS/CADD) Data Submitted (preferred)

Topographic Information: Survey/SCDNR LiDAR

Source: Private Surveyor/SCDNR

Date: 2010 (SCDNR LiDAR)

Accuracy: 95% Confidence (SCDNR LiDAR)

Note that the boundaries of the existing or proposed conditions floodplains and regulatory floodway to be shown on the revised FIRM and/or FBFM must tie-in with the effective floodplain and regulatory floodway boundaries. Please attach **a copy of the effective FIRM and/or FBFM**, at the same scale as the original, annotated to show the boundaries of the revised 1%-and 0.2%-annual-chance floodplains and regulatory floodway that tie-in with the boundaries of the effective 1%-and 0.2%-annual-chance floodplain and regulatory floodway at the upstream and downstream limits of the area on revision.

☒ Annotated FIRM and/or FBFM (Required)

D. COMMON REGULATORY REQUIREMENTS*

1. For LOMR/CLOMR requests, do Base Flood Elevations (BFEs) increase? ☐ Yes ☒ No
- a. For CLOMR requests, if either of the following is true, please submit **evidence of compliance with Section 65.12 of the NFIP regulations**:
- The proposed project encroaches upon a regulatory floodway and would result in increases above 0.00 foot compared to pre-project conditions.
 - The proposed project encroaches upon a SFHA with or without BFEs established and would result in increases above 1.00 foot compared to pre-project conditions.
- b. Does this LOMR request cause increase in the BFE and/or SFHA compared with the effective BFEs and/or SFHA? ☐ Yes ☐ No
If Yes, please attach **proof of property owner notification and acceptance (if available)**. Elements of and examples of property owner notifications can be found in the MT-2 Form 2 Instructions.
2. Does the request involve the placement or proposed placement of fill? ☒ Yes ☐ No
- If Yes, the community must be able to certify that the area to be removed from the special flood hazard area, to include any structures or proposed structures, meets all of the standards of the local floodplain ordinances, and is reasonably safe from flooding in accordance with the NFIP regulations set forth at 44 CFR 60.3(A)(3), 65.5(a)(4), and 65.6(a)(14). Please see the MT-2 instructions for more information.
3. For LOMR requests, is the regulatory floodway being revised? ☐ Yes ☐ No
- If Yes, attach **evidence of regulatory floodway revision notification**. As per Paragraph 65.7(b)(1) of the NFIP Regulations, notification is required for requests involving revisions to the regulatory floodway. (Not required for revisions to approximate 1%-annual-chance floodplains [studied Zone A designation] unless a regulatory floodway is being established. Elements and examples of regulatory floodway revision notification can be found in the MT-2 Form 2 Instructions.)
4. For CLOMR requests, please submit documentation to FEMA and the community to show that you have complied with Sections 9 and 10 of the Endangered Species Act (ESA).

For actions authorized, funded, or being carried out by Federal or State agencies, please submit documentation from the agency showing its compliance with Section 7(a)(2) of the ESA. Please see the MT-2 instructions for more detail.

* Not inclusive of all applicable regulatory requirements. For details, see 44 CFR parts 60 and 65.

DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
RIVERINE STRUCTURES FORM

O.M.B. NO. 1660-0016
Expires February 28, 2014

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Flooding Source: Shot Pouch Creek

Note: Fill out one form for each flooding source studied.

A. GENERAL

Complete the appropriate section(s) for each Structure listed below:

Channelization.....complete Section B
Bridge/Culvert.....complete Section C
Dam.....complete Section D
Levee/Floodwall.....complete Section E
Sediment Transport.....complete Section F (if required)

Description Of Modeled Structure

1. Name of Structure: Dillon Park Footbridge

Type (check one): ☐ Channelization ☒ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

Location of Structure: 14464.0

Downstream Limit/Cross Section: 14450.5

Upstream Limit/Cross Section: 14477.5

2. Name of Structure: Haynsworth St. Pedestrian Bridge

Type (check one): ☐ Channelization ☒ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

Location of Structure: 4222.0

Downstream Limit/Cross Section: 4192.5

Upstream Limit/Cross Section: 4251.5

3. Name of Structure: _____

Type (check one) ☐ Channelization ☐ Bridge/Culvert ☐ Levee/Floodwall ☐ Dam

Location of Structure: _____

Downstream Limit/Cross Section: _____

Upstream Limit/Cross Section: _____

NOTE: FOR MORE STRUCTURES, ATTACH ADDITIONAL PAGES AS NEEDED.

B. CHANNELIZATION

Flooding Source: _____

Name of Structure: _____

1. Hydraulic Considerations

The channel was designed to carry _____ (cfs) and/or the _____-year flood.

The design elevation in the channel is based on (check one):

☐ Subcritical flow ☐ Critical flow ☐ Supercritical flow ☐ Energy grade line

If there is the potential for a hydraulic jump at the following locations, check all that apply and attach an explanation of how the hydraulic jump is controlled without affecting the stability of the channel.

☐ Inlet to channel ☐ Outlet of channel ☐ At Drop Structures ☐ At Transitions

☐ Other locations (specify): _____

2. Channel Design Plans

Attach the plans of the channelization certified by a registered professional engineer, as described in the instructions.

3. Accessory Structures

The channelization includes (check one):

☐ Levees [Attach Section E (Levee/Floodwall)] ☐ Drop structures ☐ Superelevated sections
☐ Transitions in cross sectional geometry ☐ Debris basin/detention basin [Attach Section D (Dam/Basin)] ☐ Energy dissipator
☐ Weir ☐ Other (Describe): _____

4. Sediment Transport Considerations

Are the hydraulics of the channel affected by sediment transport? ☐ Yes ☐ No

If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation for why sediment transport was not considered.

C. BRIDGE/CULVERT

Flooding Source: Shot Pouch Creek

Name of Structure: Dillon Park Footbridge

1. This revision reflects (check one):

☐ Bridge/culvert not modeled in the FIS
☒ Modified bridge/culvert previously modeled in the FIS
☐ Revised analysis of bridge/culvert previously modeled in the FIS

2. Hydraulic model used to analyze the structure (e.g., HEC-2 with special bridge routine, WSPRO, HY8): See Project Narrative If different than hydraulic analysis for the flooding source, justify why the hydraulic analysis used for the flooding source could not analyze the structures. Attach justification.

3. Attach plans of the structures certified by a registered professional engineer. The plan detail and information should include the following (check the information that has been provided):

☒ Dimensions (height, width, span, radius, length)	☐ Distances Between Cross Sections
☐ Shape (culverts only)	☐ Erosion Protection
☐ Material	☐ Low Chord Elevations – Upstream and Downstream
☐ Beveling or Rounding	☐ Top of Road Elevations – Upstream and Downstream
☐ Wing Wall Angle	☐ Structure Invert Elevations – Upstream and Downstream
☐ Skew Angle	☐ Stream Invert Elevations – Upstream and Downstream
	☐ Cross-Section Locations

4. Sediment Transport Considerations

Are the hydraulics of the structure affected by sediment transport? ☐ Yes ☒ No

If Yes, then fill out Section F (Sediment Transport) of Form 3. If no, then attach an explanation.

D. DAM/BASIN

Flooding Source: _____

Name of Structure: _____

1. This request is for (check one): ☐ Existing dam/basin ☐ New dam/basin ☐ Modification of existing dam/basin
2. The dam/basin was designed by (check one): ☐ Federal agency ☐ State agency ☐ Private organization ☐ Local government agency

Name of the agency or organization: _____

3. The Dam was permitted as (check one): ☐ Federal Dam ☐ State Dam

Provide the permit or identification number (ID) for the dam and the appropriate permitting agency or organization

Permit or ID number _____ Permitting Agency or Organization _____

- a. ☐ Local Government Dam ☐ Private Dam

Provided related drawings, specification and supporting design information.

4. Does the project involve revised hydrology? ☐ Yes ☐ No

If Yes, complete the Riverine Hydrology & Hydraulics Form (Form 2).

Was the dam/basin designed using critical duration storm? (must account for the maximum volume of runoff)

- ☐ Yes, provide supporting documentation with your completed Form 2.
- ☐ No, provide a written explanation and justification for not using the critical duration storm.

5. Does the submittal include debris/sediment yield analysis? ☐ Yes ☐ No

If Yes, then fill out Section F (Sediment Transport). If No, then attach your explanation for why debris/sediment analysis was not considered?

6. Does the Base Flood Elevation behind the dam/basin or downstream of the dam/basin change? ☐ Yes ☐ No

If Yes, complete the Riverine Hydrology & Hydraulics Form (Form 2) and complete the table below.

FREQUENCY (% annual chance)	Stillwater Elevation Behind the Dam/Basin	
	FIS	REVISED
10-year (10%)	_____	_____
50-year (2%)	_____	_____
100-year (1%)	_____	_____
500-year (0.2%)	_____	_____
Normal Pool Elevation	_____	_____

7. Please attach a copy of the formal Operation and Maintenance Plan

E. LEVEE/FLOODWALL

1. System Elements

a. This Levee/Floodwall analysis is based on (check one):

- ☐ upgrading of
an existing
levee/floodwall
system ☐ a newly
constructed
levee/floodwall
system ☐ reanalysis of
an existing
levee/floodwall
system

b. Levee elements and locations are (check one):

- ☐ earthen embankment, dike, berm, etc. Station _____ to _____
☐ structural floodwall Station _____ to _____
☐ Other (describe): Station _____ to _____

c. Structural Type (check one): ☐ monolithic cast-in place reinforced concrete ☐ reinforced concrete masonry block ☐ sheet piling
☐ Other (describe): _____

d. Has this levee/floodwall system been certified by a Federal agency to provide protection from the base flood?

☐ Yes ☐ No

If Yes, by which agency? _____

e. Attach certified drawings containing the following information (indicate drawing sheet numbers):

1. Plan of the levee embankment and floodwall structures.	Sheet Numbers: _____
2. A profile of the levee/floodwall system showing the Base Flood Elevation (BFE), levee and/or wall crest and foundation, and closure locations for the total levee system.	Sheet Numbers: _____
3. A profile of the BFE, closure opening outlet and inlet invert elevations, type and size of opening, and kind of closure.	Sheet Numbers: _____
4. A layout detail for the embankment protection measures.	Sheet Numbers: _____
5. Location, layout, and size and shape of the levee embankment features, foundation treatment, Floodwall structure, closure structures, and pump stations.	Sheet Numbers: _____

2. Freeboard

a. The minimum freeboard provided above the BFE is:

Riverine

3.0 feet or more at the downstream end and throughout	☐ Yes	☐ No
3.5 feet or more at the upstream end	☐ Yes	☐ No
4.0 feet within 100 feet upstream of all structures and/or constrictions	☐ Yes	☐ No

Coastal

1.0 foot above the height of the one percent wave associated with the 1%-annual-chance stillwater surge elevation or maximum wave runup (whichever is greater).	☐ Yes	☐ No
2.0 feet above the 1%-annual-chance stillwater surge elevation	☐ Yes	☐ No

Please note, occasionally exceptions are made to the minimum freeboard requirement. If an exception is requested, attach documentation addressing Paragraph 65.10(b)(1)(ii) of the NFIP Regulations.

If No is answered to any of the above, please attach an explanation.

b. Is there an indication from historical records that ice-jamming can affect the BFE? ☐ Yes ☐ No

If Yes, provide ice-jam analysis profile and evidence that the minimum freeboard discussed above still exists.

3. Closures

a. Openings through the levee system (check one): ☐ exists ☐ does not exist

If opening exists, list all closures:

Channel Station	Left or Right Bank	Opening Type	Highest Elevation for Opening Invert	Type of Closure Device

(Extend table on an added sheet as needed and reference)

Note: Geotechnical and geologic data

In addition to the required detailed analysis reports, data obtained during field and laboratory investigations and used in the design analysis for the following system features should be submitted in a tabulated summary form. (Reference U.S. Army Corps of Engineers [USACE] EM-1110-2-1906 Form 2086.)

4. Embankment Protection

- a. The maximum levee slope land side is: _____
- b. The maximum levee slope flood side is: _____
- c. The range of velocities along the levee during the base flood is: _____ (min.) to _____ (max.)
- d. Embankment material is protected by (describe what kind): _____
- e. Riprap Design Parameters (check one): ☐ Velocity ☐ Tractive stress
Attach references

Reach	Sideslope	Flow Depth	Velocity	Curve or Straight	Stone Riprap			Depth of Toedown
					D ₁₀₀	D ₅₀	Thickness	
Sta to								
Sta to								
Sta to								
Sta to								
Sta to								
Sta to								

(Extend table on an added sheet as needed and reference each entry)

- f. Is a bedding/filter analysis and design attached? ☐ Yes ☐ No
- g. Describe the analysis used for other kinds of protection used (include copies of the design analysis):

Attach engineering analysis to support construction plans.

5. Embankment And Foundation Stability

- a. Identify locations and describe the basis for selection of critical location for analysis:

- ☐ Overall height: Sta.: _____, height _____ ft.
- ☐ Limiting foundation soil strength:
- Strength ϕ = _____ degrees, c = _____ psf
- Slope: SS = _____ (h) to _____ (v)
- (Repeat as needed on an added sheet for additional locations)
- b. Specify the embankment stability analysis methodology used (e.g., circular arc, sliding block, infinite slope, etc.):

- c. Summary of stability analysis results:

E. LEVEE/FLOODWALL (CONTINUED)

5. Embankment And Foundation Stability (continued)

Case	Loading Conditions	Critical Safety Factor	Criteria (Min.)
I	End of construction		1.3
II	Sudden drawdown		1.0
III	Critical flood stage		1.4
IV	Steady seepage at flood stage		1.4
VI	Earthquake (Case I)		1.0

(Reference: USACE EM-1110-2-1913 Table 6-1)

d. Was a seepage analysis for the embankment performed? ☐ Yes ☐ No

If Yes, describe methodology used:

e. Was a seepage analysis for the foundation performed? ☐ Yes ☐ No

f. Were uplift pressures at the embankment landside toe checked? ☐ Yes ☐ No

g. Were seepage exit gradients checked for piping potential? ☐ Yes ☐ No

h. The duration of the base flood hydrograph against the embankment is _____ hours.

Attach engineering analysis to support construction plans.

6. Floodwall And Foundation Stability

a. Describe analysis submittal based on Code (check one): ☐ UBC (1988) ☐ Other (specify): _____

b. Stability analysis submitted provides for: ☐ Overturning ☐ Sliding If not, explain: _____

c. Loading included in the analyses were: ☐ Lateral earth @ P_A = _____ psf; P_p = _____ psf

☐ Surcharge-Slope @ _____, ☐ surface _____ psf

☐ Wind @ P_w = _____ psf

☐ Seepage (Uplift); _____ ☐ Earthquake @ P_{eq} = _____ %g

☐ 1%-annual-chance significant wave height: _____ ft.

☐ 1%-annual-chance significant wave period: _____ sec.

d. Summary of Stability Analysis Results: Factors of Safety.
Itemize for each range in site layout dimension and loading condition limitation for each respective reach.

Loading Condition	Criteria (Min)		Sta	To	Sta	To
	Overturn	Sliding	Overturn	Sliding	Overturn	Sliding
Dead & Wind	1.5	1.5				
Dead & Soil	1.5	1.5				
Dead, Soil, Flood, & Impact	1.5	1.5				
Dead, Soil, & Seismic	1.3	1.3				

(Ref: FEMA 114 Sept 1986; USACE EM 1110-2-2502)
Note: (Extend table on an added sheet as needed and reference)

E. LEVEE/FLOODWALL (CONTINUED)

6. Floodwall And Foundation Stability (continued)

e. Foundation bearing strength for each soil type:

Bearing Pressure	Sustained Load (psf)	Short Term Load (psf)
Computed design maximum		
Maximum allowable		

- f. Foundation scour protection ☐ is, ☐ is not provided. If provided, attach explanation and supporting documentation:

Attach engineering analysis to support construction plans.

7. Settlement

- a. Has anticipated potential settlement been determined and incorporated into the specified construction elevations to maintain the established freeboard margin? ☐ Yes ☐ No
- b. The computed range of settlement is _____ ft. to _____ ft.
- c. Settlement of the levee crest is determined to be primarily from : ☐ Foundation consolidation ☐ Embankment compression
☐ Other (Describe): _____
- d. Differential settlement of floodwalls ☐ has ☐ has not been accommodated in the structural design and construction.

Attach engineering analysis to support construction plans.

8. Interior Drainage

- a. Specify size of each interior watershed:

Draining to pressure conduit: _____ acres

Draining to ponding area: _____ acres

- b. Relationships Established

Ponding elevation vs. storage

☐ Yes ☐ No

Ponding elevation vs. gravity flow

☐ Yes ☐ No

Differential head vs. gravity flow

☐ Yes ☐ No

- c. The river flow duration curve is enclosed: ☐ Yes ☐ No

- d. Specify the discharge capacity of the head pressure conduit: _____ cfs

- e. Which flooding conditions were analyzed?

- Gravity flow (Interior Watershed) ☐ Yes ☐ No
- Common storm (River Watershed) ☐ Yes ☐ No
- Historical ponding probability ☐ Yes ☐ No
- Coastal wave overtopping ☐ Yes ☐ No

If No for any of the above, attach explanation.

- e. Interior drainage has been analyzed based on joint probability of interior and exterior flooding and the capacities of pumping and outlet facilities to provide the established level of flood protection. ☐ Yes ☐ No If No, attach explanation.
- g. The rate of seepage through the levee system for the base flood is _____ cfs
- h. The length of levee system used to drive this seepage rate in item g: _____ ft.

E. LEVEE/FLOODWALL (CONTINUED)

8. Interior Drainage (continued)

- i. Will pumping plants be used for interior drainage? ☐ Yes ☐ No

If Yes, include the number of pumping plants: _____ For each pumping plant, list:

	Plant #1	Plant #2
The number of pumps		
The ponding storage capacity		
The maximum pumping rate		
The maximum pumping head		
The pumping starting elevation		
The pumping stopping elevation		
Is the discharge facility protected?		
Is there a flood warning plan?		
How much time is available between warning and flooding?		

Will the operation be automatic? ☐ Yes ☐ No

If the pumps are electric, are there backup power sources? ☐ Yes ☐ No

(Reference: USACE EM-1110-2-3101, 3102, 3103, 3104, and 3105)

Include a copy of supporting documentation of data and analysis. Provide a map showing the flooded area and maximum ponding elevations for all interior watersheds that result in flooding.

9. Other Design Criteria

a. The following items have been addressed as stated:

Liquefaction ☐ is ☐ is not a problem

Hydrocompaction ☐ is ☐ is not a problem

Heave differential movement due to soils of high shrink/swell ☐ is ☐ is not a problem

b. For each of these problems, state the basic facts and corrective action taken:

Attach supporting documentation

c. If the levee/floodwall is new or enlarged, will the structure adversely impact flood levels and/or flow velocities floodside of the structure?
☐ Yes ☐ No Attach supporting documentation

d. Sediment Transport Considerations:

Was sediment transport considered? ☐ Yes ☐ No

If Yes, then fill out Section F (Sediment Transport). If No, then attach your explanation for why sediment transport was not considered.

10. Operational Plan And Criteria

a. Are the planned/installed works in full compliance with Part 65.10 of the NFIP Regulations? ☐ Yes ☐ No

b. Does the operation plan incorporate all the provisions for closure devices as required in Paragraph 65.10(c)(1) of the NFIP regulations?
☐ Yes ☐ No

c. Does the operation plan incorporate all the provisions for interior drainage as required in Paragraph 65.10(c)(2) of the NFIP regulations?
☐ Yes ☐ No If the answer is No to any of the above, please attach supporting documentation.

E. LEVEE/FLOODWALL (CONTINUED)

11. Maintenance Plan

Please attach a copy of the formal maintenance plan for the levee/floodwall

12. Operations and Maintenance Plan

Please attach a copy of the formal Operations and Maintenance Plan for the levee/floodwall.

CERTIFICATION OF THE LEVEE DOCUMENTATION

This certification is to be signed and sealed by a licensed registered professional engineer authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.10(e) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: _____ License No.: _____ Expiration Date: _____
Company Name: _____ Telephone No.: _____ Fax No.: _____
Signature: _____ Date: _____ E-Mail Address: _____

F. SEDIMENT TRANSPORT

Flooding Source: _____

Name of Structure: _____

If there is any indication from historical records that sediment transport (including scour and deposition) can affect the Base Flood Elevation (BFE); and/or based on the stream morphology, vegetative cover, development of the watershed and bank conditions, there is a potential for debris and sediment transport (including scour and deposition) to affect the BFEs, then provide the following information along with the supporting documentation:

Sediment load associated with the base flood discharge: Volume _____ acre-feet

Debris load associated with the base flood discharge: Volume _____ acre-feet

Sediment transport rate _____ (percent concentration by volume)

Method used to estimate sediment transport: _____

Most sediment transport formulas are intended for a range of hydraulic conditions and sediment sizes; attach a detailed explanation for using the selected method.

Method used to estimate scour and/or deposition: _____

Method used to revise hydraulic or hydrologic analysis (model) to account for sediment transport: _____

Please note that bulked flows are used to evaluate the performance of a structure during the base flood; however, FEMA does not map BFEs based on bulked flows.

If a sediment analysis has not been performed, an explanation as to why sediment transport (including scour and deposition) will not affect the BFEs or structures must be provided.

**FEDERAL EMERGENCY MANAGEMENT AGENCY
PAYMENT INFORMATION FORM**

Community Name: **Sumter, SC**

Project Identifier: Shot Pouch Branch Greenway

THIS FORM MUST BE MAILED, ALONG WITH THE APPROPRIATE FEE, TO THE ADDRESS BELOW OR FAXED TO THE FAX NUMBER BELOW.

Please make check or money order payable to the National Flood Insurance Program.

Type of Request:

☐ MT-1 application }
☒ MT-2 application }

LOMC Clearinghouse
3601 Eisenhower Ave. Suite 500
Alexandria, VA 22304-6426
Attn.: LOMC Manager

☐ EDR application }

FEMA Project Library
3601 Eisenhower Ave. Suite 500
Alexandria, VA 22304-6426
FAX (703) 960-9125

Request No. (if known): _____ Check No.: _____ Amount: \$0.00

☐ INITIAL FEE* ☐ FINAL FEE ☐ FEE BALANCE** ☐ MASTER CARD ☐ VISA ☐ CHECK ☐ MONEY ORDER

*Note: Check only for EDR and/or Alluvial Fan requests (as appropriate).

**Note: Check only if submitting a corrected fee for an ongoing request.

COMPLETE THIS SECTION ONLY IF PAYING BY CREDIT CARD

CARD NUMBER

EXP. DATE

 —

 —

 —

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

 —

Month Year

Date Signature

NAME (AS IT APPEARS ON CARD): _____
(please print or type)

ADDRESS: _____
(for your
credit card
receipt-please
print or type)

DAYTIME PHONE: _____

Shot Pouch Greenway CLOMR

Sumter, South Carolina

February 19, 2019
Revised May 9, 2019

Prepared for:
City of Sumter, SC
12 W. Liberty St.
Sumter, SC 29150

Prepared by Chip Wyatt, E.I.T.
Reviewed by David Prohaska, P.E.



**SEAMON, WHITESIDE AND ASSOCIATES, INC.
501 WANDO PARK BLVD.
SUITE 200
MT. PLEASANT, SC 29464-7849
843-884-1667**



501 Wando Park Blvd, Suite 200 | Mount Pleasant, SC | 843.884.1667 | www.seamonwhiteside.com

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 - 2) EXISTING CONDITIONS
 - 3) CALCULATION CONSIDERATIONS
- APPENDICES
- 1) Study Limits Location Map
 - 2) Effective F.I.R.M. #s
 - 3) HEC-RAS Computations
 - a) Duplicate Effective Input & Results
 - b) Proposed Input & Results
 - 4) Annotated F.I.R.M. #s
 - 5) Additional Supporting Documentation
 - a) Topographic Work Map
 - b) ESA Compliance
 - c) Haynsworth St. Bridge Drawings
 - d) Affected Property Owners
 - e) Certification of No Structures Impacted

1. PROJECT DESCRIPTION

The proposed project is a master-planned greenway within the identified project area that will include construction of a multi-use, paved path, incorporation of existing paths and construction of a boardwalk. A total of 0.66 acres of jurisdictional aquatic resources will be permanently impacted in order to complete the Shot Pouch Greenway path. These sections (will consist of a raised 12' paved surface with 2' of slopes on either side of the path and will be properly culverted, where applicable, so as to maintain hydrology and ecology exchange within the impacted wetland. The impacts will provide connectivity to existing paths in uplands that will be re-surfaced as part of the overall project. In addition, the city intends to construct a 925' x 20' wide boardwalk south of Haynsworth Street over the largest expanse of Shot Pouch Branch in the project area..

2. EXISTING CONDITIONS

Shot Pouch Creek currently has special flood hazard areas as shown on the effective FIRM panels 45085C0303D and 45085C0311D dated February 16, 2007 (see Appendix 2). The project area is currently in a Zone AE flood hazard area with BFEs established. It is anticipated that as a result of this project and associated improvements, there will be encroachments into the existing floodway limits. The encroachments are anticipated to consist of fill and asphalt path construction. Additionally, existing pedestrian bridges are to be removed and replaced. A Conditional Letter of Map Revision to update the F.I.R.M.s to incorporate proposed project and changes to the floodway and floodplain is proposed.

3. STUDY MEANS & METHODS AND CALCULATION CONSIDERATIONS

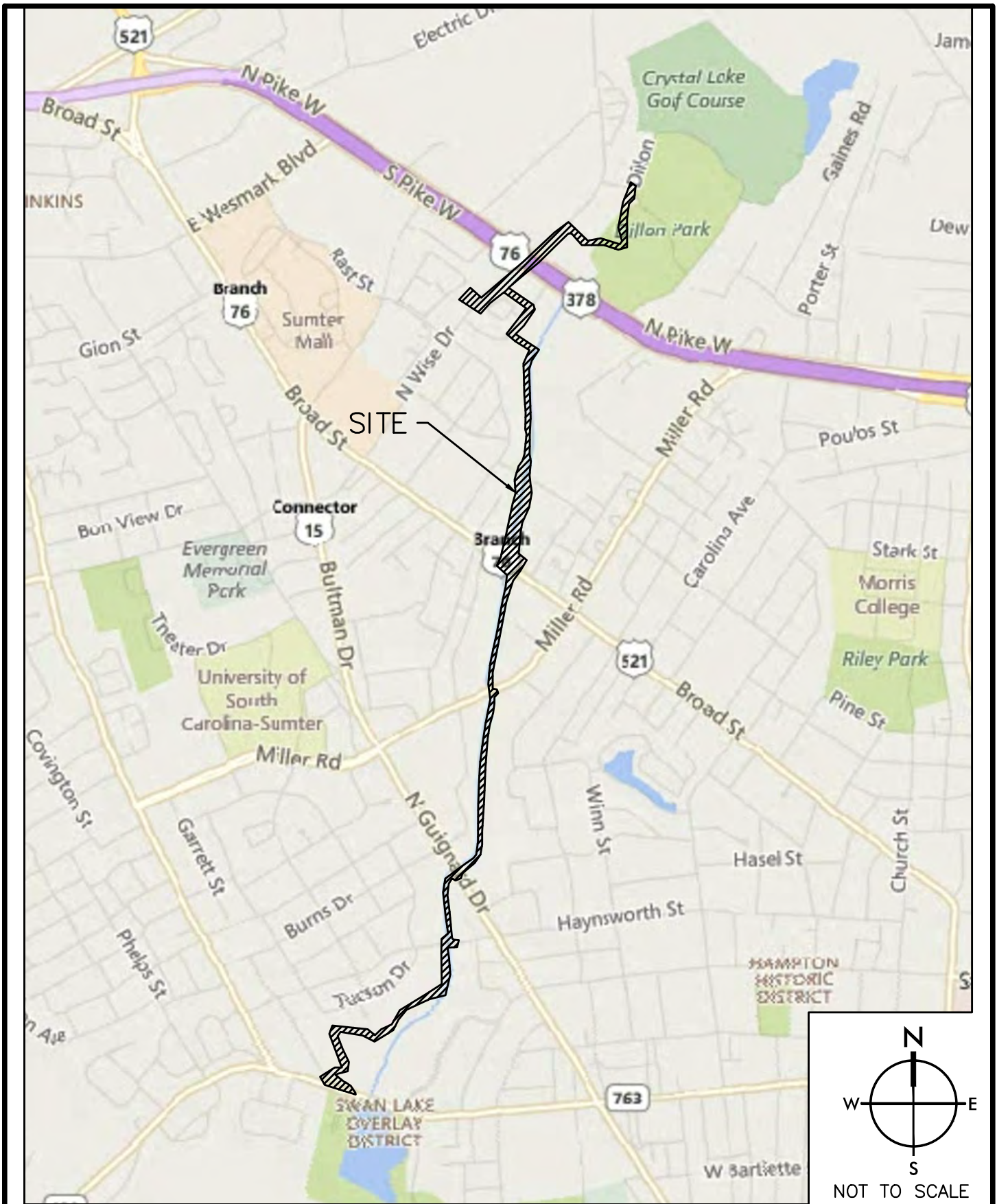
Data was formally requested in early July of 2017. All available data was provided, which consisted of the USACEs HEC-RAS hydrologic and hydraulic model, and serves as the existing data for this report. This model was then updated on the proposed design of the multiuse trail and associated improvements prepared by ALTA Planning and Design. Upon completion of model calculations for the proposed condition, the limits of the 100-yr flood event WSE and regulatory floodway were delineated using the surveyed topographic information and supplemented with SC DNR LiDAR topography. This was then tied into the 100-yr WSE and regulatory floodway at the project limits shown on the effective FIRMs. The proposed update to the effective FIRM map is shown in Appendix 4.

The following considerations were taken when updating the effective HEC-RAS model for the project area:

- A. Topographic Survey: Survey was provided by ALTA Planning & Design and Nesbitt Surveying. This information has been supplemented where necessary by SCDNR LiDAR where needed within the project area.
- B. Project Study Limits and Design: The limits of this CLOMR study were determined to encompass the project site limits along Shot Pouch Creek as shown in the exhibits provided in this report.

Appendix # 1

Study Limits Location Map & Topographic Survey

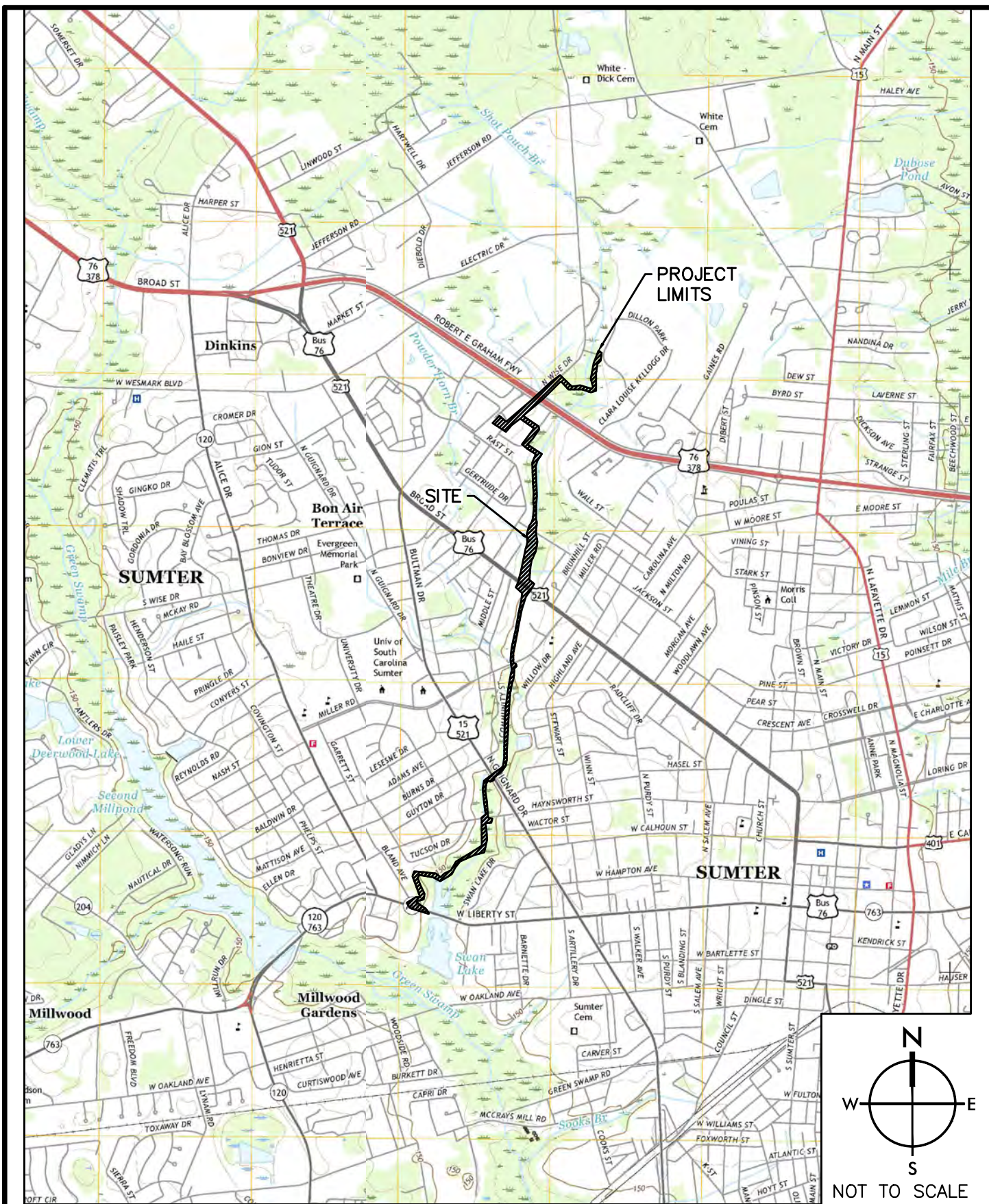


LATITUDE: 33.57°11.96" N LONGITUDE: 80.21°29.22" W

Activity:
MULTI-USE PATH CONSTRUCTION
Project:
SHOT POUCH BRANCH GREENWAY

Applicant:
ALTA PLANNING & DESIGN, INC.
111 E. CHAPEL HILL ST., SUITE 100
DURHAM, NC 27701
PHONE: (919) 484-8448

SITE LOCATION



Appendix # 2

Effective F.I.R.M. #s

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles, Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was South Carolina State Plane. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3151

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit their website at <http://www.ngs.noaa.gov>.

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Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and their website at <http://www.msc.fema.gov>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov>.



LEGEND

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**
- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**
- OTHERWISE PROTECTED AREAS (OPAs)**
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the National Geodetic Vertical Datum of 1929

Cross section line

Transect line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

1000-meter Universal Transverse Mercator grid values, zone 17

5000-foot grid values: South Carolina State Plane coordinate system, (NAD 83), Lambert Conformal Conic projection.

Bench mark (see explanation in Notes to Users section of this FIRM panel)

● M1.5

River Mile

MAP REPOSITORY

Refer to listing of Map Repositories on Map Index

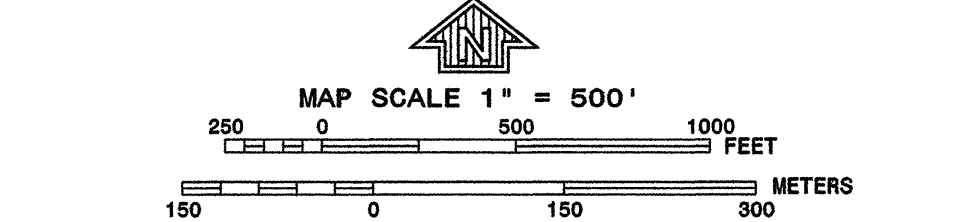
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

FEBRUARY 16, 2007

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



NATIONAL FLOOD INSURANCE PROGRAM

FEDERAL EMERGENCY MANAGEMENT AGENCY

PANEL 0303D

FIRM
FLOOD INSURANCE RATE MAP
SUMTER COUNTY
SOUTH CAROLINA
AND INCORPORATED AREAS

PANEL 303 OF 625
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SUMTER, CITY OF	450184	0303	D
SUMTER COUNTY	450182	0303	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

FEDERAL EMERGENCY MANAGEMENT AGENCY

MAP NUMBER
45085C0303D
EFFECTIVE DATE
FEBRUARY 16, 2007



DNR

This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of South Carolina and the Federal Emergency Management Agency (FEMA). The State of South Carolina has implemented a long term approach of floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the local level. As a part of this effort, the state of South Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

<http://www.dnr.state.sc.us/>

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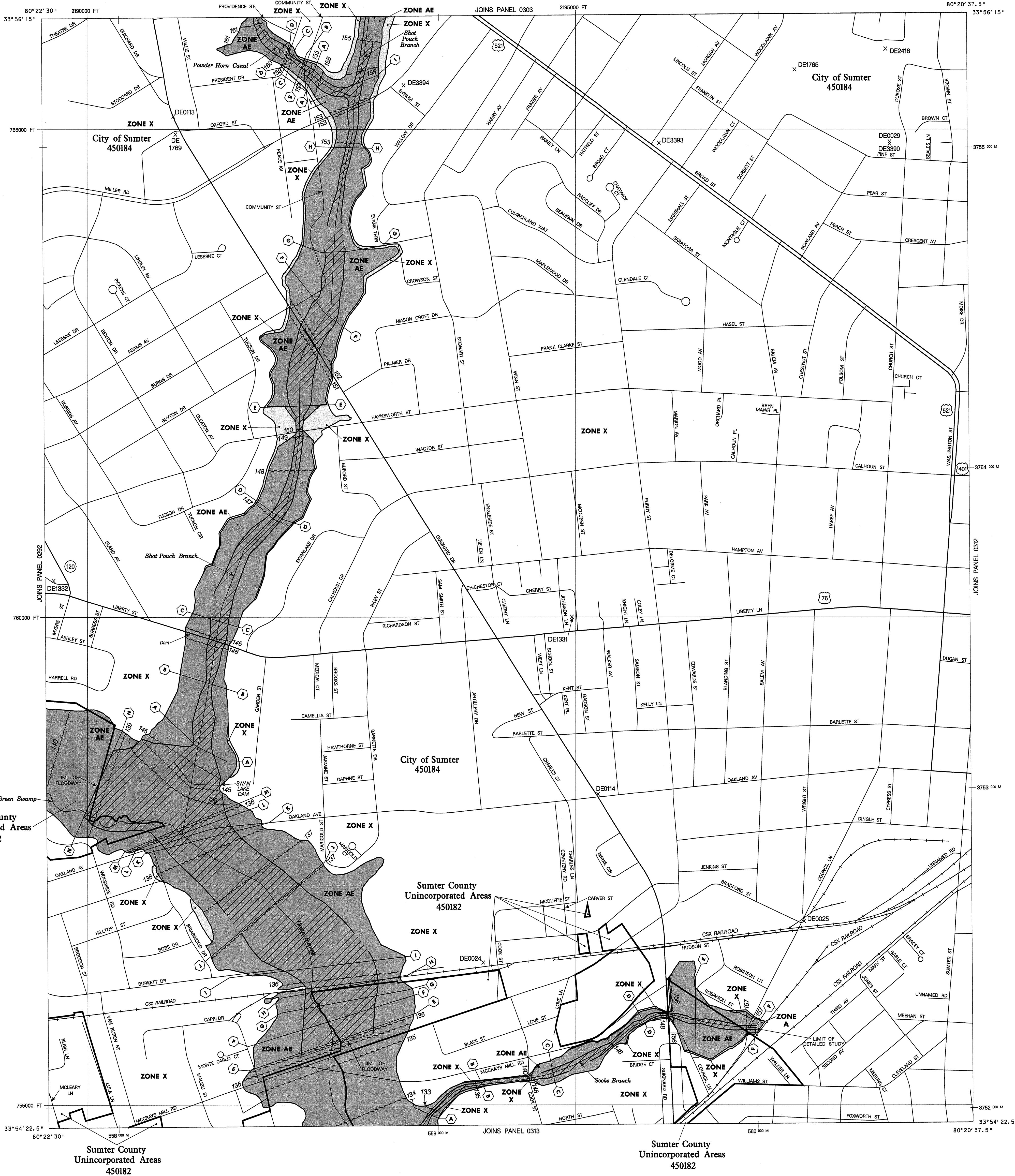
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LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently deteriorated. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream, plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet* (EL 987)
- Base Flood Elevation value where uniform within zone; elevation in feet*

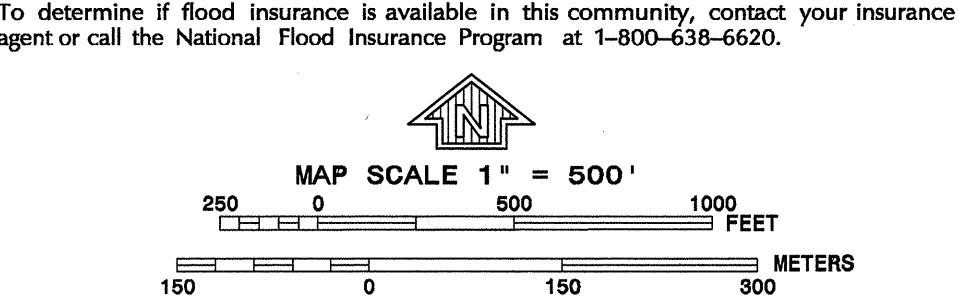
*Referenced to the National Geodetic Vertical Datum of 1929

- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 17
- 5000-foot grid values: South Carolina State Plane coordinate system, (FIPSZONE 3900), Lambert Conformal Conic projection.
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile

- MAP REPOSITORY**
Refer to listing of Map Repositories on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP**
FEBRUARY 16, 2007
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL**

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0311D
FIRM
FLOOD INSURANCE RATE MAP
SUMTER COUNTY
SOUTH CAROLINA
AND INCORPORATED AREAS

PANEL 311 OF 625
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
SUMTER, CITY OF	450184	0311	D
SUMTER COUNTY	450182	0311	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.
MAP NUMBER
450184C0311D
EFFECTIVE DATE
FEBRUARY 16, 2007

Federal Emergency Management Agency



This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of South Carolina and the Federal Emergency Management Agency (FEMA). The State of South Carolina has implemented a long term approach of floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the local level. As a part of this effort, the state of South Carolina has joined in a Cooperating Technical State agreement with FEMA to produce and maintain this digital FIRM.

<http://www.dnr.state.sc.us/>

Appendix # 3

Hydrologic Computations

3a. Duplicate Effective

DuplicateEffectiveInput.rep.txt

HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```

X      X  XXXXXX   XXXX      XXXX      XX      XXXX
X      X  X        X   X      X   X      X   X      X
X      X  X        X        X   X      X   X      X
XXXXXXXX XXXX      X        XXX XXXX      XXXXXX   XXXX
X      X  X        X        X   X      X   X        X
X      X  X        X   X      X   X      X   X      X
X      X  XXXXXX   XXXX      X   X      X   X      XXXXX

```

PROJECT DATA

Project Title: Shot Pouch Branch
Project File : DuplicateEffective.prj
Run Date and Time: 2/19/2019 9:48:16 AM

Project in English units

Project Description:
Sumter County FIS

PLAN DATA

Plan Title: Shot Pouch Branch
Plan File : n:\7619\CDOC\Flood Study\HEC-RAS\Duplicate
Effective\DuplicateEffective.p01

Geometry Title: Geom 01 by CodeH2 for Windows
Geometry File : n:\7619\CDOC\Flood Study\HEC-RAS\Duplicate
Effective\DuplicateEffective.g01

Flow Title : Shot Pouch Branch
Flow File : n:\7619\CDOC\Flood Study\HEC-RAS\Duplicate
Effective\DuplicateEffective.f01

Plan Summary Information:

Number of: Cross Sections = 55 Multiple Openings = 0

DuplicateEffectiveInput.rep.txt

Culverts = 5 Inline Structures = 2
 Bridges = 4 Lateral Structures = 0

Computational Information

Water surface calculation tolerance = 0.01
 Critical depth calculation tolerance = 0.01
 Maximum number of iterations = 20
 Maximum difference tolerance = 0.3
 Flow tolerance factor = 0.001

Computation Options

Critical depth computed at all cross sections
 Conveyance Calculation Method: At breaks in n values only
 Friction Slope Method: Average Conveyance
 Computational Flow Regime: Subcritical Flow

FLOW DATA

Flow Title: Shot Pouch Branch
 Flow File : n:\7619\CDOC\Flood Study\HEC-RAS\Duplicate
 Effective\DuplicateEffective.f01

Flow Data (cfs)

River	Reach	RS	2-YEAR	5-YEAR
10-YEAR	25-YEAR	50-YEAR	100-YEAR	500-YEAR
Main Stem	Reach - 1	19965	180	285
379	509	631	734	1100
Main Stem	Reach - 1	12135	302	495
648	849	1033	1201	1700
Main Stem	Reach - 1	10643	358	594
744	953	1169	1363	1950
Main Stem	Reach - 1	7894.0	469	839
1092	1400	1704	2000	2900

Boundary Conditions

River	Reach	Profile	Upstream
Downstream			

DuplicateEffectiveInput.rep.txt

Main Stem Reach - 1 2-YEAR
 Normal S = 0.002
 Main Stem Reach - 1 5-YEAR
 Normal S = 0.002
 Main Stem Reach - 1 10-YEAR
 Normal S = 0.002
 Main Stem Reach - 1 25-YEAR
 Normal S = 0.002
 Main Stem Reach - 1 50-YEAR
 Normal S = 0.002
 Main Stem Reach - 1 100-YEAR
 Normal S = 0.002
 Main Stem Reach - 1 500-YEAR
 Normal S = 0.002

GEOMETRY DATA

Geometry Title: Geom 01 by CodeH2 for Windows
 Geometry File : n:\7619\CDOC\Flood Study\HEC-RAS\Duplicate
 Effective\DuplicateEffective.g01

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 19965.0

INPUT

Description: Cross Section SPB-33.0

Station Elevation Data				num= 14					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4195.4	180	4694.1	176.22	4952.3	174.27	4987.8	174	4991	171.55
4997	170.89	5000	171.32	5003.6	171.83	5012.2	173.64	5101.9	173.89
5413.9	174.76	5901.1	176.12	6496.4	177.79	7289.5	180		

Manning's n Values				num= 9					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4195.4	.15	4694.1	.1	4952.3	.15	4987.8	.045	5012.2	.15
5101.9	.1	5413.9	.15	5901.1	.1	6496.4	.2		

Bank	Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2	716	716	716		.1	.3

CROSS SECTION

DuplicateEffectiveInput.rep.txt

RIVER: Main Stem

REACH: Reach - 1

RS: 19249.0

INPUT

Description: Cross Section SPB-32.0

Station Elevation Data num= 11

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4438.1	180	4861.1	174.28	4987.8	172.57	4991	170.12	4997	169.46
5000	169.89	5003.6	170.4	5012.2	172.21	5406.6	173.67	6391.5	177.32
7115.1	180								

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4438.1	.1	4861.1	.15	4987.8	.045	5012.2	.15	5406.6	.1
6391.5	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2		639	639		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 18610.0

INPUT

Description: Cross Section SPB-31.0

Station Elevation Data num= 13

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4131	180	4733.5	172.95	4985.1	170	4987.8	169.29	4991	168.84
4997	168.18	5000	168.43	5003.6	168.72	5012.2	168.93	5021.1	170
5204.2	170.44	6298.5	173.07	9184	180				

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4131	.1	4733.5	.15	4987.8	.045	5012.2	.15	5204.2	.1
6298.5	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2		241	241		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 18369.0

DuplicateEffectiveInput.rep.txt

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3740.4	180.02	4530.1	176.55	4673.9	175.92	4678.6	175.9	4750.7	173.76
4763.9	173.6	4806	173.07	4817.9	172.92	4894.8	172.87	4990.5	172.81
4993.7	168.36	4999.7	167.7	5006.3	168.64	5014.9	172.45	5020.4	172.47
5091.7	172.68	5124.9	172.78	5198.3	172.91	5209.4	172.93	5789.7	173.96
6324.9	174.92	9191.4	180.02						

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3740.4	.1	4530.1	.15	4990.5	.045	5014.9	.15	5209.4	.1
6324.9	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4990.5	5014.9		100	100		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3740.4	4985	174.1	F
5020	9191.4	173.8	F

CULVERT

RIVER: Main Stem

REACH: Reach - 1 RS: 18319.0

INPUT

Description: WISE ROAD

Structure ID: SPB11

Distance from Upstream XS = 10

Deck/Roadway Width = 80

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 22

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
3740.4	180	180	4530.1	176.53	176.53	4673.9	176.02	175.9
4678.6	175.98	175.88	4750.7	175.43	173.74	4763.9	175.33	173.58
4806	175.07	173.05	4817.9	174.99	172.9	4894.8	174.51	172.85
4990.5	174.07	172.79	4993.7	174.05	168.34	4999.7	174.03	167.68
5006.3	174	168.62	5014.9	173.96	172.43	5020.4	173.93	172.45
5091.7	173.82	172.66	5124.9	173.8	172.76	5198.3	173.76	172.89
5209.4	173.76	172.91	5789.7	173.95	173.94	6324.9	174.9	174.9
9191.4	180	180						

Upstream Bridge Cross Section Data

DuplicateEffectiveInput.rep.txt

Station Elevation Data

num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3740.4	180	4530.1	176.53	4673.9	175.9	4678.6	175.88	4750.7	173.74
4763.9	173.58	4806	173.05	4817.9	172.9	4894.8	172.85	4990.5	172.79
4993.7	168.34	4999.7	167.68	5006.3	168.62	5014.9	172.43	5020.4	172.45
5091.7	172.66	5124.9	172.76	5198.3	172.89	5209.4	172.91	5789.7	173.94
6324.9	174.9	9191.4	180						

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3740.4	.1	4530.1	.15	4990.5	.045	5014.9	.15	5209.4	.1
6324.9	.2								

Bank Sta: Left Right Coeff Contr. Expan.

4990.5	5014.9		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3740.4	4985	174.1	F
5020	9191.4	173.8	F

Downstream Deck/Roadway Coordinates

num= 22

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
3740.4	180	179.55	4530.1	176.53	176.08	4673.9	176.02	175.45						
4678.6	175.98	175.43	4750.7	175.43	173.29	4763.9	175.33	173.13						
4806	175.07	172.6	4817.9	174.99	172.45	4894.8	174.51	172.4						
4990.5	174.07	172.34	4993.7	174.05	167.89	4999.7	174.03	167.23						
5006.3	174	168.17	5014.9	173.96	171.98	5020.4	173.93	172						
5091.7	173.82	172.21	5124.9	173.8	172.31	5198.3	173.76	172.44						
5209.4	173.76	172.46	5789.7	173.95	173.49	6324.9	174.9	174.45						
9191.4	180	179.55												

Downstream Bridge Cross Section Data

Station Elevation Data

num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3740.4	179.55	4530.1	176.08	4673.9	175.45	4678.6	175.43	4750.7	173.29
4763.9	173.13	4806	172.6	4817.9	172.45	4894.8	172.4	4990.5	172.34
4993.7	167.89	4999.7	167.23	5006.3	168.17	5014.9	171.98	5020.4	172
5091.7	172.21	5124.9	172.31	5198.3	172.44	5209.4	172.46	5789.7	173.49
6324.9	174.45	9191.4	179.55						

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3740.4	.1	4530.1	.15	4990.5	.045	5014.9	.15	5209.4	.1
6324.9	.2								

Bank Sta: Left Right Coeff Contr. Expan.

4990.5	5014.9		.3	.5

DuplicateEffectiveInput.rep.txt

Ineffective Flow num= 2
Sta L Sta R Elev Permanent
3740.4 4985 173 F
5020 9191.4 172 F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
Downstream Embankment side slope = 1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Culverts = 1

Culvert Name Shape Rise Span
Culvert #1 Circular 4
FHWA Chart # 1 - Concrete Pipe Culvert
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill
Solution Criteria = Highest U.S. EG
Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
Exit Loss Coef

10 80 .012 .012 0 .5
1
Upstream Elevation = 167.7
Centerline Station = 5000.2
Downstream Elevation = 167.23
Centerline Station = 5000.2

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 18269.0

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 22
Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev
3740.4 179.53 4530.1 176.06 4673.9 175.43 4678.6 175.41 4750.7 173.27
4763.9 173.11 4806 172.58 4817.9 172.43 4894.8 172.38 4990.5 172.32
4993.7 167.87 4999.7 167.21 5006.3 168.15 5014.9 171.96 5020.4 171.98
5091.7 172.19 5124.9 172.29 5198.3 172.42 5209.4 172.44 5789.7 173.47
6324.9 174.43 9191.4 179.53

Manning's n Values num= 6
Sta n Val Sta n Val Sta n Val Sta n Val Sta n Val
3740.4 .1 4530.1 .15 4990.5 .045 5014.9 .15 5209.4 .1

DuplicateEffectiveInput.rep.txt

6324.9 .2

Bank Sta:	Left	Right	Lengths:		Left Channel	Right	Coeff	Contr.	Expan.
	4990.5	5014.9			904	904		.3	.5
Ineffective Flow	num=		2						
Sta L	Sta R	Elev	Permanent						
3740.4	4985	173	F						
5020	9191.4	172	F						

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 17365.0

INPUT

Description: Cross Section SPB-30.0

Station Elevation Data		num=		14					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1757.2	180	3462.9	174.71	3724.1	173.9	4979.9	170	4987.8	169.93
4991	166.48	4997	165.82	5000	166.25	5003.6	166.76	5012.2	169.57
5033.9	170	5160.1	170.31	6708.5	174.06	9157.2	180		

Manning's n Values		num=		7					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1757.2	.2	3462.9	.1	3724.1	.15	4987.8	.045	5012.2	.15
5160.1	.1	6708.5	.2						

Bank Sta:	Left	Right	Lengths:		Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2			619	619		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 16746.0

INPUT

Description: Cross Section SPB-29.0

Station Elevation Data		num=		18					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1812.1	180	3428.3	174.83	3905.1	173.31	4421	171.65	4897.4	170.13
4938.4	170	4987.8	169.97	4991	165.52	4997	164.86	5000	165.29
5003.6	165.8	5012.2	168.61	5037.1	170	5628.8	170	5755.6	170
5965.2	170.62	6760.8	172.99	9112.1	180				

Manning's n Values		num=		9					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val

DuplicateEffectiveInput.rep.txt

1812.1	.2	3428.3	.1	3905.1	.15	4421	.1	4897.4	.15
4987.8	.045	5012.2	.15	5965.2	.1	6760.8	.2		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2		524	524		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 16222.0

INPUT

Description: Cross Section SPB-28.0

Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1898.4	180	3500.5	174.76	4886.1	170.23	4957.8	170	4972.2	169.54
4981	167.96	4987	164.82	4989.1	164.67	4991.3	164.05	4992.9	164.62
4994.7	165.56	5000	165.3	5006.9	164.97	5019	168.26	5034.7	168.92
5127.1	170	5190.3	170.16	6193.3	172.62	9198.4	180		

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1898.4	.2	3500.5	.1	4886.1	.15	4981	.045	5019	.15
5190.3	.1	6193.3	.2						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		631	631		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 15591.0

INPUT

Description: Cross Section SPB-27.0

Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1891.3	180	3605.1	174.14	4813.9	170	4918.9	169.04	4972.2	168.56
4981	166.98	4987	163.84	4989.1	163.69	4991.3	163.07	4992.9	163.64
4994.7	164.58	5000	164.32	5006.9	163.99	5019	167.28	5034.7	167.94
5118.9	170	5244.5	170.31	6201.2	172.66	9191.3	180		

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1891.3	.2	3605.1	.1	4918.9	.15	4981	.045	5019	.15
5244.5	.1	6201.2	.2						

DuplicateEffectiveInput.rep.txt

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		590 590	590		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 15001.0

INPUT

Description: Cross Section SPB-26.0

Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1908.3	180	3525	174.49	4811.9	170.11	4844.9	170	4972.2	167.65
4981	166.07	4987	162.93	4989.1	162.78	4991.3	162.16	4992.9	162.73
4994.7	163.67	5000	163.41	5006.9	163.08	5019	166.37	5034.7	167.03
5181.5	170	5208.7	170	5266.1	170	5421.1	170.4	5595.1	170.86
5753.4	171.27	6091.2	172.15	9108.3	180				

Manning's n Values

num= 9

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1908.3	.2	3525	.1	4811.9	.15	4981	.045	5019	.15
5421.1	.1	5595.1	.15	5753.4	.1	6091.2	.2		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		142.5 142.5	142.5		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 14858.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4763	174.71	4775.7	174.75	4791.3	173.23	4796.2	173.15	4822.2	172.73
4851.3	172.25	4878.1	171.15	4903.9	170.1	4934.7	167.83	4939.9	167.45
4981.2	167.43	4990	165.85	4990.7	165.48	4996	162.71	4998.1	162.56
5000.3	161.94	5001.9	162.51	5003.7	163.45	5015.9	162.86	5028	166.15
5043.7	166.81	5057.5	166.74	5115.4	166.43	5129.8	166.35	5168.8	168.12
5197.9	169.44	5229.7	169.71	5258.9	169.96	5265.7	170.02	5719.4	171.22
6105.3	172.24	7158.3	175.02						

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val

DuplicateEffectiveInput.rep.txt

4763	.1	4796.2	.15	4990	.045	5028	.15	5719.4	.12
6105.3	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4990	5028		85	85		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4763	4980	171.7	F
5034	7158.3	169.6	F

CULVERT

RIVER: Main Stem

REACH: Reach - 1 RS: 14816.0

INPUT

Description: DILLON PARK

Structure ID: SPB10

Distance from Upstream XS = 10

Deck/Roadway Width = 65

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 32

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
4763	174.69	174.69	4775.7	174.74	174.73	4791.3	174.43	173.21
4796.2	174.39	173.13	4822.2	174.15	172.71	4851.3	173.73	172.23
4878.1	173.34	171.13	4903.9	172.85	170.08	4934.7	172.27	167.81
4939.9	172.2	167.43	4981.2	171.68	167.41	4990	171.57	165.83
4990.7	171.56	165.46	4996	171.49	162.69	4998.1	171.46	162.54
5000.3	171.43	161.92	5001.9	171.41	162.49	5003.7	171.38	163.43
5015.9	171.21	162.84	5028	171.05	166.13	5043.7	170.83	166.79
5057.5	170.64	166.72	5115.4	170.31	166.41	5129.8	170.21	166.33
5168.8	169.95	168.1	5197.9	169.43	169.42	5229.7	169.7	169.69
5258.9	170	169.94	5265.7	170	170	5719.4	171.2	171.2
6105.3	172.22	172.22	7158.3	175	175			

Upstream Bridge Cross Section Data

Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4763	174.69	4775.7	174.73	4791.3	173.21	4796.2	173.13	4822.2	172.71
4851.3	172.23	4878.1	171.13	4903.9	170.08	4934.7	167.81	4939.9	167.43
4981.2	167.41	4990	165.83	4990.7	165.46	4996	162.69	4998.1	162.54
5000.3	161.92	5001.9	162.49	5003.7	163.43	5015.9	162.84	5028	166.13
5043.7	166.79	5057.5	166.72	5115.4	166.41	5129.8	166.33	5168.8	168.1
5197.9	169.42	5229.7	169.69	5258.9	169.94	5265.7	170	5719.4	171.2
6105.3	172.22	7158.3	175						

DuplicateEffectiveInput.rep.txt
Manning's n Values num= 6
Sta n Val Sta n Val Sta n Val Sta n Val Sta n Val
4763 .1 4796.2 .15 4990 .045 5028 .15 5719.4 .12
6105.3 .2

Bank Sta: Left Right Coeff Contr. Expan.
4990 5028 .3 .5
Ineffective Flow num= 2
Sta L Sta R Elev Permanent
4763 4980 171.7 F
5034 7158.3 169.6 F

Downstream Deck/Roadway Coordinates
num= 32
Sta Hi Cord Lo Cord Sta Hi Cord Lo Cord Sta Hi Cord Lo Cord
4763 174.69 174.58 4775.7 174.74 174.62 4791.3 174.43 173.1
4796.2 174.39 173.02 4822.2 174.15 172.6 4851.3 173.73 172.12
4878.1 173.34 171.02 4903.9 172.85 169.97 4934.7 172.27 167.7
4939.9 172.2 167.32 4981.2 171.68 167.3 4990 171.57 165.72
4990.7 171.56 165.35 4996 171.49 162.58 4998.1 171.46 162.43
5000.3 171.43 161.81 5001.9 171.41 162.38 5003.7 171.38 163.32
5015.9 171.21 162.73 5028 171.05 166.02 5043.7 170.83 166.68
5057.5 170.64 166.61 5115.4 170.31 166.3 5129.8 170.21 166.22
5168.8 169.95 167.99 5197.9 169.43 169.31 5229.7 169.7 169.58
5258.9 170 169.83 5265.7 170 169.89 5719.4 171.2 171.09
6105.3 172.22 172.11 7158.3 175 174.89

Downstream Bridge Cross Section Data
Station Elevation Data num= 32
Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev
4763 174.58 4775.7 174.62 4791.3 173.1 4796.2 173.02 4822.2 172.6
4851.3 172.12 4878.1 171.02 4903.9 169.97 4934.7 167.7 4939.9 167.32
4981.2 167.3 4990 165.72 4990.7 165.35 4996 162.58 4998.1 162.43
5000.3 161.81 5001.9 162.38 5003.7 163.32 5015.9 162.73 5028 166.02
5043.7 166.68 5057.5 166.61 5115.4 166.3 5129.8 166.22 5168.8 167.99
5197.9 169.31 5229.7 169.58 5258.9 169.83 5265.7 169.89 5719.4 171.09
6105.3 172.11 7158.3 174.89

Manning's n Values num= 6
Sta n Val Sta n Val Sta n Val Sta n Val Sta n Val
4763 .1 4796.2 .15 4990 .045 5028 .15 5719.4 .12
6105.3 .2

Bank Sta: Left Right Coeff Contr. Expan.
4990 5028 .3 .5
Ineffective Flow num= 2
Sta L Sta R Elev Permanent
4763 4980 170 F

DuplicateEffectiveInput.rep.txt

5034 7158.3 167 F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Culverts = 2

Culvert Name	Shape	Rise	Span
Culvert #1	Circular	4.5	
FHWA Chart # 1 - Concrete Pipe Culvert			
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill			
Solution Criteria = Highest U.S. EG			
Culvert Upstrm Dist	Length	Top n	Bottom n
Exit Loss Coef			
	10	65	.015
			.015
			0
			.5

1
 Upstream Elevation = 161.62
 Centerline Station = 5000.6
 Downstream Elevation = 161.44
 Centerline Station = 5000.6

Culvert Name	Shape	Rise	Span
Culvert #2	Circular	4.5	
FHWA Chart # 1 - Concrete Pipe Culvert			
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill			
Solution Criteria = Highest U.S. EG			
Culvert Upstrm Dist	Length	Top n	Bottom n
Exit Loss Coef			
	10	65	.015
			.015
			0
			.5

1
 Upstream Elevation = 161.75
 Centerline Station = 5014.4
 Downstream Elevation = 161.23
 Centerline Station = 5014.4

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 14773.5

INPUT
 Description: Downstream Section of Bridge/Culvert/Weir

DuplicateEffectiveInput.rep.txt
 Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4763	174.53	4775.7	174.57	4791.3	173.05	4796.2	172.97	4822.2	172.55
4851.3	172.07	4878.1	170.97	4903.9	169.92	4934.7	167.65	4939.9	167.27
4981.2	167.25	4990	165.67	4990.7	165.3	4996	162.53	4998.1	162.38
5000.3	161.76	5001.9	162.33	5003.7	163.27	5015.9	162.68	5028	165.97
5043.7	166.63	5057.5	166.56	5115.4	166.25	5129.8	166.17	5168.8	167.94
5197.9	169.26	5229.7	169.53	5258.9	169.78	5265.7	169.84	5719.4	171.04
6105.3	172.06	7158.3	174.84						

Manning's n Values num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4763	.1	4796.2	.15	4990	.045	5028	.15	5719.4	.12
6105.3	.2								

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 4990 5028 134.5 134.5 134.5 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4763	4980	170	F
5034	7158.3	167	F

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 14639.0

INPUT

Description: Cross Section SPB-25.0

Station Elevation Data num= 14

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4093.5	170	4143.1	170	4740	170	4787.1	170	4981.85	164.68
4989.85	163	4997.65	161.31	4999.25	161.14	5000	161.14	5001.85	161.14
5003.15	161.26	5010.15	164.27	5048.65	164.92	5289.1	170		

Manning's n Values num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4093.5	.1	4740	.15	4989.85	.045	5010.15	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 4989.85 5010.15 161.5 161.5 161.5 .1 .3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 14477.5

DuplicateEffectiveInput.rep.txt

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data		num= 41							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4194.3	170.05	4244.6	170.05	4290.3	169.58	4679.4	165.62	4745.7	164.95
4750.2	164.9	4805.9	163.93	4846.2	163.87	4846.5	163.87	4900.9	163.82
4941.9	163.68	4960.5	163.61	4976.39	163.85	4976.5	163.85	4976.61	163.86
4981.5	163.93	4988.6	162.44	4988.71	162.42	4988.8	162.4	4989.5	162.25
4995.3	160.99	4997.3	160.56	4998.9	160.39	5001.5	160.39	5002.7	160.51
5002.8	160.55	5009.8	163.52	5012.79	163.57	5012.9	163.57	5013	163.57
5024.29	163.76	5024.4	163.77	5024.51	163.77	5045.4	164.12	5048.3	164.17
5074	164.56	5084.7	165.11	5106.8	166.24	5133.3	168.62	5254.7	169.52
5325.3	170.05								

Manning's n Values		num= 4					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
4989.5	5009.8		27	27	27		.3	.5

Ineffective Flow		num= 2			
Sta L	Sta R	Elev	Permanent		
4194.3	4979.5	165.73	F		
5019.8	5325.3	165.71	F		

BRIDGE

RIVER: Main Stem

REACH: Reach - 1 RS: 14464.0

INPUT

Description: FOOTBRIDGE

Structure ID: SPB9A

Distance from Upstream XS = 10

Deck/Roadway Width = 7

Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

num= 41									
Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	
4194.3	170	170	4244.6	170	170	4290.3	170	169.53	
4679.4	167	165.57	4745.7	166.49	164.9	4750.2	166.46	164.85	
4805.9	166.04	163.88	4846.2	165.73	163.82	4846.5	165.73	163.82	
4900.9	165.75	163.77	4941.9	165.76	163.63	4960.5	165.79	163.56	
4976.39	165.81	163.8	4976.5	168.91	163.8	4976.61	168.91	163.81	
4981.5	169.24	163.88	4988.6	169.71	162.39	4988.71	169.71	162.37	
4988.8	169.71	164.51	4989.5	169.7	164.5	4995.3	169.67	164.47	

DuplicateEffectiveInput.rep.txt

4997.3	169.66	164.46	4998.9	169.65	164.45	5001.5	169.63	164.43
5002.7	169.62	164.42	5002.8	169.62	164.42	5009.8	169.58	164.38
5012.79	169.56	164.36	5012.9	169.56	163.52	5013	169.55	163.52
5024.29	168.81	163.71	5024.4	168.81	163.72	5024.51	165.71	163.72
5045.4	165.92	164.07	5048.3	165.97	164.12	5074	166.39	164.51
5084.7	166.56	165.06	5106.8	167.01	166.19	5133.3	168.58	168.57
5254.7	170	169.47	5325.3	170	170			

Upstream Bridge Cross Section Data

Station Elevation Data		num=		41					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4194.3	170	4244.6	170	4290.3	169.53	4679.4	165.57	4745.7	164.9
4750.2	164.85	4805.9	163.88	4846.2	163.82	4846.5	163.82	4900.9	163.77
4941.9	163.63	4960.5	163.56	4976.39	163.8	4976.5	163.8	4976.61	163.81
4981.5	163.88	4988.6	162.39	4988.71	162.37	4988.8	162.35	4989.5	162.2
4995.3	160.94	4997.3	160.51	4998.9	160.34	5001.5	160.34	5002.7	160.46
5002.8	160.5	5009.8	163.47	5012.79	163.52	5012.9	163.52	5013	163.52
5024.29	163.71	5024.4	163.72	5024.51	163.72	5045.4	164.07	5048.3	164.12
5074	164.51	5084.7	165.06	5106.8	166.19	5133.3	168.57	5254.7	169.47
5325.3	170								

Manning's n Values		num=		4			
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4989.5	5009.8		.3	.5

Ineffective Flow		num=		2	
Sta L	Sta R	Elev	Permanent		
4194.3	4979.5	165.73	F		
5019.8	5325.3	165.71	F		

Downstream Deck/Roadway Coordinates

num=		41							
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4194.3	170	169.79	4244.6	170	169.79	4290.3	170	169.32	
4679.4	167	165.36	4745.7	166.49	164.69	4750.2	166.46	164.64	
4805.9	166.04	163.67	4846.2	165.73	163.61	4846.5	165.73	163.61	
4900.9	165.75	163.56	4941.9	165.76	163.42	4960.5	165.79	163.35	
4976.39	165.81	163.59	4976.5	168.91	163.59	4976.61	168.91	163.6	
4981.5	169.24	163.67	4988.6	169.71	162.18	4988.71	169.71	162.16	
4988.8	169.71	164.3	4989.5	169.7	164.29	4995.3	169.67	164.26	
4997.3	169.66	164.25	4998.9	169.65	164.24	5001.5	169.63	164.22	
5002.7	169.62	164.21	5002.8	169.62	164.21	5009.8	169.58	164.17	
5012.79	169.56	164.15	5012.9	169.56	163.31	5013	169.55	163.31	
5024.29	168.81	163.5	5024.4	168.81	163.51	5024.51	165.71	163.51	
5045.4	165.92	163.86	5048.3	165.97	163.91	5074	166.39	164.3	
5084.7	166.56	164.85	5106.8	167.01	165.98	5133.3	168.58	168.36	

DuplicateEffectiveInput.rep.txt

5254.7 170 169.26 5325.3 170 169.79

Downstream Bridge Cross Section Data

Station Elevation Data num= 41

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4194.3	169.79	4244.6	169.79	4290.3	169.32	4679.4	165.36	4745.7	164.69
4750.2	164.64	4805.9	163.67	4846.2	163.61	4846.5	163.61	4900.9	163.56
4941.9	163.42	4960.5	163.35	4976.39	163.59	4976.5	163.59	4976.61	163.6
4981.5	163.67	4988.6	162.18	4988.71	162.16	4988.8	162.14	4989.5	161.99
4995.3	160.73	4997.3	160.3	4998.9	160.13	5001.5	160.13	5002.7	160.25
5002.8	160.29	5009.8	163.26	5012.79	163.31	5012.9	163.31	5013	163.31
5024.29	163.5	5024.4	163.51	5024.51	163.51	5045.4	163.86	5048.3	163.91
5074	164.3	5084.7	164.85	5106.8	165.98	5133.3	168.36	5254.7	169.26
5325.3	169.79								

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4989.5	5009.8		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4194.3	4982.83	165.73	F
5016.47	5325.3	165.71	F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Abutments = 2

Abutment Data

Upstream num= 2

Sta	Elev	Sta	Elev
4988.6	164.51	4995.3	160.94

Downstream num= 2

Sta	Elev	Sta	Elev
4988.6	164.3	4995.3	160.73

Abutment Data

Upstream num= 2

Sta	Elev	Sta	Elev
5002.8	160.5	5012.99	164.36

DuplicateEffectiveInput.rep.txt
 Downstream num= 2
 Sta Elev Sta Elev
 5002.8 160.29 5012.99 164.15

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy
 Momentum Cd = 2
 Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Pressure and Weir flow
 Submerged Inlet Cd =
 Submerged Inlet + Outlet Cd = .8
 Max Low Cord =

Additional Bridge Parameters

Add Friction component to Momentum
 Do not add Weight component to Momentum
 Class B flow critical depth computations use critical depth
 inside the bridge at the upstream end
 Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 14450.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 41

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4194.3	169.77	4244.6	169.77	4290.3	169.3	4679.4	165.34	4745.7	164.67
4750.2	164.62	4805.9	163.65	4846.2	163.59	4846.5	163.59	4900.9	163.54
4941.9	163.4	4960.5	163.33	4976.39	163.57	4976.5	163.57	4976.61	163.58
4981.5	163.65	4988.6	162.16	4988.71	162.14	4988.8	162.12	4989.5	161.97
4995.3	160.71	4997.3	160.28	4998.9	160.11	5001.5	160.11	5002.7	160.23
5002.8	160.27	5009.8	163.24	5012.79	163.29	5012.9	163.29	5013	163.29
5024.29	163.48	5024.4	163.49	5024.51	163.49	5045.4	163.84	5048.3	163.89
5074	164.28	5084.7	164.83	5106.8	165.96	5133.3	168.34	5254.7	169.24
5325.3	169.77								

Manning's n Values num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15

DuplicateEffectiveInput.rep.txt

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4989.5	5009.8	585.5	585.5	585.5		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4194.3	4982.83	165.73	F
5016.47	5325.3	165.71	F

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 13865.0

INPUT

Description: Cross Section SPB-24.0

Station Elevation Data				num=	14
Sta	Elev	Sta	Elev	Sta	Elev
4206.6	170	4345.4	170	4355.9	170
4991.65	161.55	4993.35	160.12	4999.55	159.56
5006.55	160.26	5008.35	161.34	5017.25	162.82
				5309.7	170

Manning's n Values				num=	4
Sta	n Val	Sta	n Val	Sta	n Val
4206.6	.1	4355.9	.15	4991.65	.045
				5008.35	.15

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4991.65	5008.35	521	521	521		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 13344.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data				num=	30
Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.74	4635.9	172.18	4724.1	170.42
4822.2	161.92	4865.1	161.45	4879.2	161.46
4963.7	161.68	4991.7	160.48	4993.4	159.05
5006.6	159.19	5008.4	160.27	5017.3	161.75
5091.7	163.81	5096.1	163.72	5143.3	162.77
5229	165.9	5295.8	170.02	5547.7	170.02
				5835.6	170.02
				5862.8	170.02

Manning's n Values				num=	3
Sta	n Val	Sta	n Val	Sta	n Val
4457.9	.12	4991.7	.045	5008.4	.12

DuplicateEffectiveInput.rep.txt

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4991.7	5008.4		238	238		.3	.5
Ineffective Flow	num=		2					
Sta L	Sta R	Elev	Permanent					
4457.9	4980	167.05	F					
5015	5862.8	166.1	F					

CULVERT

RIVER: Main Stem
 REACH: Reach - 1 RS: 13225.0

INPUT

Description: HWY 378 *****THREE CULVERTS VERY CLOSE TOGETHER, MODEL AS ONE***

Structure ID: SPB9

Distance from Upstream XS = 10

Deck/Roadway Width = 218

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 30

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
4457.9	175.72	175.72	4635.9	173.04	172.16	4724.1	171.13	170.4
4744.2	170.69	170	4801	169.44	164.1	4822.2	169.1	161.9
4865.1	168.42	161.43	4879.2	168.19	161.44	4917.4	167.76	161.46
4946.9	167.42	161.59	4963.7	167.25	161.66	4991.7	166.96	160.46
4993.4	166.94	159.03	4999.6	166.88	158.47	5005.5	166.82	157.81
5006.6	166.81	159.17	5008.4	166.79	160.25	5017.3	166.7	161.73
5030.8	166.56	162.05	5054	166.39	162.61	5091.7	166.1	163.79
5096.1	166.07	163.7	5143.3	166.1	162.75	5164.3	166.11	163.28
5202.3	166.18	164.23	5229	166.23	165.88	5295.8	170.01	170
5547.7	170.01	170	5835.6	170.01	170	5862.8	170	170

Upstream Bridge Cross Section Data

Station Elevation Data num= 30

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.72	4635.9	172.16	4724.1	170.4	4744.2	170	4801	164.1
4822.2	161.9	4865.1	161.43	4879.2	161.44	4917.4	161.46	4946.9	161.59
4963.7	161.66	4991.7	160.46	4993.4	159.03	4999.6	158.47	5005.5	157.81
5006.6	159.17	5008.4	160.25	5017.3	161.73	5030.8	162.05	5054	162.61
5091.7	163.79	5096.1	163.7	5143.3	162.75	5164.3	163.28	5202.3	164.23
5229	165.88	5295.8	170	5547.7	170	5835.6	170	5862.8	170

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4457.9	.12	4991.7	.045	5008.4	.12

DuplicateEffectiveInput.rep.txt

Bank Sta: Left Right Coeff Contr. Expan.
4991.7 5008.4 .3 .5

Ineffective Flow num= 2
Sta L Sta R Elev Permanent
4457.9 4980 167.05 F
5015 5862.8 166.1 F

Downstream Deck/Roadway Coordinates

num= 30

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4457.9	175.72	175.61	4635.9	173.04	172.05	4724.1	171.13	170.29						
4744.2	170.69	169.89	4801	169.44	163.99	4822.2	169.1	161.79						
4865.1	168.42	161.32	4879.2	168.19	161.33	4917.4	167.76	161.35						
4946.9	167.42	161.48	4963.7	167.25	161.55	4991.7	166.96	160.35						
4993.4	166.94	158.92	4999.6	166.88	158.36	5005.5	166.82	157.7						
5006.6	166.81	159.06	5008.4	166.79	160.14	5017.3	166.7	161.62						
5030.8	166.56	161.94	5054	166.39	162.5	5091.7	166.1	163.68						
5096.1	166.07	163.59	5143.3	166.1	162.64	5164.3	166.11	163.17						
5202.3	166.18	164.12	5229	166.23	165.77	5295.8	170.01	169.89						
5547.7	170.01	169.89	5835.6	170.01	169.89	5862.8	170	169.89						

Downstream Bridge Cross Section Data

Station Elevation Data num= 30

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.61	4635.9	172.05	4724.1	170.29	4744.2	169.89	4801	163.99
4822.2	161.79	4865.1	161.32	4879.2	161.33	4917.4	161.35	4946.9	161.48
4963.7	161.55	4991.7	160.35	4993.4	158.92	4999.6	158.36	5005.5	157.7
5006.6	159.06	5008.4	160.14	5017.3	161.62	5030.8	161.94	5054	162.5
5091.7	163.68	5096.1	163.59	5143.3	162.64	5164.3	163.17	5202.3	164.12
5229	165.77	5295.8	169.89	5547.7	169.89	5835.6	169.89	5862.8	169.89

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4457.9	.12	4991.7	.045	5008.4	.12

Bank Sta: Left Right Coeff Contr. Expan.
4991.7 5008.4 .3 .5

Ineffective Flow num= 2
Sta L Sta R Elev Permanent
4457.9 4980 165.7 F
5015 5862.8 162.7 F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
Downstream Embankment side slope = 1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =

DuplicateEffectiveInput.rep.txt

Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Culverts = 2

Culvert Name Shape Rise Span
 Culvert #1 Box 5 5
 FHWA Chart # 8 - flared wingwalls
 FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 10 218 .015 .015 0 .4
 1
 Upstream Elevation = 159.09
 Centerline Station = 4995.2
 Downstream Elevation = 158.9
 Centerline Station = 4995.2

Culvert Name Shape Rise Span
 Culvert #2 Box 5 5
 FHWA Chart # 8 - flared wingwalls
 FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 10 218 .015 .015 0 .4
 1
 Upstream Elevation = 159.09
 Centerline Station = 5000.5
 Downstream Elevation = 158.91
 Centerline Station = 5000.5

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 13106.0

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data		num= 30							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.57	4635.9	172.01	4724.1	170.25	4744.2	169.85	4801	163.95
4822.2	161.75	4865.1	161.28	4879.2	161.29	4917.4	161.31	4946.9	161.44
4963.7	161.51	4991.7	160.31	4993.4	158.88	4999.6	158.32	5005.5	157.66
5006.6	159.02	5008.4	160.1	5017.3	161.58	5030.8	161.9	5054	162.46
5091.7	163.64	5096.1	163.55	5143.3	162.6	5164.3	163.13	5202.3	164.08

DuplicateEffectiveInput.rep.txt

5229 165.73 5295.8 169.85 5547.7 169.85 5835.6 169.85 5862.8 169.85

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4457.9	.12	4991.7	.045	5008.4	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4991.7	5008.4		494	494		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4457.9	4980	165.7	F
5015	5862.8	162.7	F

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 12612.0

INPUT

Description: Cross Section SPB-23.0

Station Elevation Data		num= 16							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4640.9	170	4804.8	165.19	4981	160.03	4982	160	4982.4	156.15
4985.3	155.9	4987.5	155.49	4990.9	156.26	4995.7	157.2	4996.2	157.43
4999.6	158.77	5000	158.79	5019	159.82	5040.4	160	5234.3	164.96
5431.7	170								

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4640.9	.12	4804.8	.15	4981	.045	5019	.15	5234.3	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		477	477		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 12135.0

INPUT

Description: Cross Section SPB-22.0

Station Elevation Data		num= 17							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4653.4	170	4723	166.55	4855.4	160	4981	157.7	4981.3	154.23
4982.4	154.06	4985.3	153.81	4987.5	153.4	4990.9	154.17	4995.7	155.11
4996.2	155.34	4999.6	156.68	5000	156.74	5019	159.73	5291.1	160

DuplicateEffectiveInput.rep.txt

5359 162.95 5521.6

170

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4653.4	.12	4723	.15	4981	.045	5019	.15	5359	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		532 532	532		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 11603.0

INPUT

Description: Cross Section SPB-21.0

Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4460.4	170	4540.6	167.15	4742.1	160	4981	155.36	4981.3	151.89
4982.4	151.72	4985.3	151.47	4987.5	151.06	4990.9	151.83	4995.7	152.77
4996.2	153	4999.6	154.34	5000	154.4	5019	157.39	5135.8	160
5344.7	165.66	5504.9	170						

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4460.4	.12	4540.6	.15	4981	.045	5019	.15	5344.7	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		732 732	732		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 10871.0

INPUT

Description: Cross Section SPB-20.0

Station Elevation Data num= 18

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4040.8	170	4358.8	160	4967.8	159.67	4993.6	148.95	4994.5	148.68
4995.6	148.51	4998.5	148.26	5000	147.98	5000.7	147.85	5004.1	148.62
5008.9	149.56	5009.4	149.79	5012.8	151.13	5032.2	157.18	5067.5	159.45
5127.8	160	5194.1	160.81	5948.4	170				

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val

DuplicateEffectiveInput.rep.txt

4040.8 .15 4967.8 .045 5032.2 .15 5194.1 .12

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
4967.8 5032.2 228 228 228 .1 .3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10643.0

INPUT

Description: Cross Section SPB-19.0

Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4298.5	170	4363.7	166.53	4486.3	160	4967.8	158.67	4993.6	147.95
4994.5	147.68	4995.6	147.51	4998.5	147.26	5000	146.98	5000.7	146.85
5004.1	147.62	5008.9	148.56	5009.4	148.79	5012.8	150.13	5032.2	156.18
5067.5	158.45	5103.2	160	5165.5	160.69	6006.3	170		

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4298.5	.12	4363.7	.15	4967.8	.045	5032.2	.15	5165.5	.12

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
4967.8 5032.2 151.5 151.5 151.5 .1 .3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10491.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 48

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	170.04	4357.4	170.04	4532.3	160.8	4546.6	160.04	4566.5	159.78
4614.5	159.16	4694.9	158.12	4728.6	157.44	4753.3	156.95	4810.7	156.42
4829.5	156.24	4893.7	156.7	4915.8	156.86	4967.9	158	4970.79	156.8
4970.9	156.75	4971.01	156.71	4980.1	152.93	4980.21	152.89	4980.3	152.85
4993.7	147.28	4994.5	147.04	4994.6	147.01	4995.7	146.84	4998.6	146.59
5000.8	146.18	5004.2	146.95	5009	147.89	5009.5	148.12	5009.6	148.16
5012.9	149.46	5023.49	152.76	5023.6	152.8	5023.7	152.83	5024.59	153.11
5024.7	153.14	5024.81	153.17	5032.3	155.51	5067.6	157.78	5104.7	158.28
5113.8	158.4	5166.2	160.86	5169.6	161.02	5174.3	161.24	5226.4	162.57
5257.6	163.36	6045.4	170.04	6143.9	170.04				

DuplicateEffectiveInput.rep.txt

Manning's n Values num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4967.9	.045	5032.3	.15	5166.2	.12

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

4967.9	5032.3	47	47	47	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4197.2	4970	158.5	F
5035	6143.9	158.5	F

BRIDGE

RIVER: Main Stem

REACH: Reach - 1 RS: 10468.0

INPUT

Description: DICKS STREET

Structure ID: SPB8

Distance from Upstream XS = 10

Deck/Roadway Width = 27

Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

num= 48									
Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	
4197.2	170	170	4357.4	170.01	170	4532.3	162.28	160.76	
4546.6	162.02	160	4566.5	161.66	159.74	4614.5	160.78	159.12	
4694.9	159.82	158.08	4728.6	159.42	157.4	4753.3	159.19	156.91	
4810.7	158.65	156.38	4829.5	158.52	156.2	4893.7	158.07	156.66	
4915.8	158.18	156.82	4967.9	158.46	157.96	4970.79	158.47	156.76	
4970.9	160.67	156.71	4971.01	160.67	156.67	4980.1	160.75	152.89	
4980.21	160.75	152.85	4980.3	160.75	157.85	4993.7	160.76	157.86	
4994.5	160.76	157.86	4994.6	160.76	157.86	4995.7	160.76	157.86	
4998.6	160.76	157.86	5000.8	160.76	157.86	5004.2	160.77	157.87	
5009	160.77	157.87	5009.5	160.77	157.87	5009.6	160.77	157.87	
5012.9	160.77	157.87	5023.49	160.78	157.88	5023.6	160.78	152.76	
5023.7	160.78	152.79	5024.59	160.78	153.07	5024.7	160.78	153.1	
5024.81	158.58	153.13	5032.3	158.67	155.47	5067.6	159.1	157.74	
5104.7	159.55	158.24	5113.8	159.67	158.36	5166.2	160.83	160.82	
5169.6	160.99	160.98	5174.3	161.21	161.2	5226.4	162.54	162.53	
5257.6	163.33	163.32	6045.4	170.01	170	6143.9	170	170	

Upstream Bridge Cross Section Data

Station Elevation Data num= 48									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	170	4357.4	170	4532.3	160.76	4546.6	160	4566.5	159.74
4614.5	159.12	4694.9	158.08	4728.6	157.4	4753.3	156.91	4810.7	156.38

DuplicateEffectiveInput.rep.txt

4829.5	156.2	4893.7	156.66	4915.8	156.82	4967.9	157.96	4970.79	156.76
4970.9	156.71	4971.01	156.67	4980.1	152.89	4980.21	152.85	4980.3	152.81
4993.7	147.24	4994.5	147	4994.6	146.97	4995.7	146.8	4998.6	146.55
5000.8	146.14	5004.2	146.91	5009	147.85	5009.5	148.08	5009.6	148.12
5012.9	149.42	5023.49	152.72	5023.6	152.76	5023.7	152.79	5024.59	153.07
5024.7	153.1	5024.81	153.13	5032.3	155.47	5067.6	157.74	5104.7	158.24
5113.8	158.36	5166.2	160.82	5169.6	160.98	5174.3	161.2	5226.4	162.53
5257.6	163.32	6045.4	170	6143.9	170				

Manning's n Values			num= 5						
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4967.9	.045	5032.3	.15	5166.2	.12

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4967.9	5032.3		.3	.5

Ineffective Flow			num= 2	
Sta L	Sta R	Elev	Permanent	
4197.2	4970	158.5	F	
5035	6143.9	158.5	F	

Downstream Deck/Roadway Coordinates

num= 48

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4197.2		170	169.87		4357.4	170.01	169.87			4532.3	162.28	160.63		
4546.6	162.02		159.87		4566.5	161.66	159.61			4614.5	160.78	158.99		
4694.9	159.82		157.95		4728.6	159.42	157.27			4753.3	159.19	156.78		
4810.7	158.65		156.25		4829.5	158.52	156.07			4893.7	158.07	156.53		
4915.8	158.18		156.69		4967.9	158.46	157.83			4970.79	158.47	156.63		
4970.9	160.67		156.58		4971.01	160.67	156.54			4980.1	160.75	152.76		
4980.21	160.75		152.72		4980.3	160.75	157.72			4993.7	160.76	157.73		
4994.5	160.76		157.73		4994.6	160.76	157.73			4995.7	160.76	157.73		
4998.6	160.76		157.73		5000.8	160.76	157.73			5004.2	160.77	157.74		
5009	160.77		157.74		5009.5	160.77	157.74			5009.6	160.77	157.74		
5012.9	160.77		157.74		5023.49	160.78	157.75			5023.6	160.78	152.63		
5023.7	160.78		152.66		5024.59	160.78	152.94			5024.7	160.78	152.97		
5024.81	158.58		153		5032.3	158.67	155.34			5067.6	159.1	157.61		
5104.7	159.55		158.11		5113.8	159.67	158.23			5166.2	160.83	160.69		
5169.6	160.99		160.85		5174.3	161.21	161.07			5226.4	162.54	162.4		
5257.6	163.33		163.19		6045.4	170.01	169.87			6143.9	170	169.87		

Downstream Bridge Cross Section Data

Station Elevation Data			num= 48						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	169.87	4357.4	169.87	4532.3	160.63	4546.6	159.87	4566.5	159.61
4614.5	158.99	4694.9	157.95	4728.6	157.27	4753.3	156.78	4810.7	156.25
4829.5	156.07	4893.7	156.53	4915.8	156.69	4967.9	157.83	4970.79	156.63
4970.9	156.58	4971.01	156.54	4980.1	152.76	4980.21	152.72	4980.3	152.68
4993.7	147.11	4994.5	146.87	4994.6	146.84	4995.7	146.67	4998.6	146.42

DuplicateEffectiveInput.rep.txt

5000.8	146.01	5004.2	146.78	5009	147.72	5009.5	147.95	5009.6	147.99
5012.9	149.29	5023.49	152.59	5023.6	152.63	5023.7	152.66	5024.59	152.94
5024.7	152.97	5024.81	153	5032.3	155.34	5067.6	157.61	5104.7	158.11
5113.8	158.23	5166.2	160.69	5169.6	160.85	5174.3	161.07	5226.4	162.4
5257.6	163.19	6045.4	169.87	6143.9	169.87				

Manning's n Values		num= 5							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4967.9	.045	5032.3	.15	5166.2	.12

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4967.9	5032.3		.3	.5

Ineffective Flow		num= 2			
Sta L	Sta R	Elev	Permanent		
4197.2	4970	158.1	F		
5035	6143.9	158.1	F		

Upstream Embankment side slope	=	1 horiz. to 1.0 vertical
Downstream Embankment side slope	=	1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow	=	.95
Elevation at which weir flow begins	=	
Energy head used in spillway design	=	
Spillway height used in design	=	
Weir crest shape	=	Broad Crested

Number of Abutments = 2

Abutment Data

Upstream	num= 2		
Sta	Elev	Sta	Elev
4980.1	157.85	4994.6	146.97
Downstream	num= 2		
Sta	Elev	Sta	Elev
4980.1	157.72	4994.6	146.84

Abutment Data

Upstream	num= 2		
Sta	Elev	Sta	Elev
5009.6	148.12	5023.69	157.88
Downstream	num= 2		
Sta	Elev	Sta	Elev
5009.6	147.99	5023.69	157.75

Number of Piers = 2

Pier Data

Pier Station	Upstream= 4993.7	Downstream= 4993.7
Upstream	num= 2	

DuplicateEffectiveInput.rep.txt

Width	Elev	Width	Elev
1	146.09	1	158.86
Downstream num= 2			
Width	Elev	Width	Elev
1	145.96	1	158.73

Pier Data

Pier Station	Upstream=	5009	Downstream=	5009
Upstream	num=	2		
Width	Elev	Width	Elev	
1	146.75	1	158.87	
Downstream	num=	2		
Width	Elev	Width	Elev	
1	146.62	1	158.74	

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy		
Momentum	Cd	= 2

Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Pressure and Weir flow	
Submerged Inlet Cd	=
Submerged Inlet + Outlet Cd	= .8
Max Low Cord	=

Additional Bridge Parameters

Add Friction component to Momentum
Do not add Weight component to Momentum
Class B flow critical depth computations use critical depth
inside the bridge at the upstream end
Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10444.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data		num=	48						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	169.87	4357.4	169.87	4532.3	160.63	4546.6	159.87	4566.5	159.61
4614.5	158.99	4694.9	157.95	4728.6	157.27	4753.3	156.78	4810.7	156.25
4829.5	156.07	4893.7	156.53	4915.8	156.69	4967.9	157.83	4970.79	156.63

DuplicateEffectiveInput.rep.txt

4970.9	156.58	4971.01	156.54	4980.1	152.76	4980.21	152.72	4980.3	152.68
4993.7	147.11	4994.5	146.87	4994.6	146.84	4995.7	146.67	4998.6	146.42
5000.8	146.01	5004.2	146.78	5009	147.72	5009.5	147.95	5009.6	147.99
5012.9	149.29	5023.49	152.59	5023.6	152.63	5023.7	152.66	5024.59	152.94
5024.7	152.97	5024.81	153	5032.3	155.34	5067.6	157.61	5104.7	158.11
5113.8	158.23	5166.2	160.69	5169.6	160.85	5174.3	161.07	5226.4	162.4
5257.6	163.19	6045.4	169.87	6143.9	169.87				

Manning's n Values			num= 5								
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4967.9	.045	5032.3	.15	5166.2	.12		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4967.9	5032.3		261.5	261.5		.3	.5

Ineffective Flow			num= 2		
Sta L	Sta R	Elev	Permanent		
4197.2	4970	158.1	F		
5035	6143.9	158.1	F		

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10183.0

INPUT

Description: Cross Section SPB-18.0

Station Elevation Data			num= 16								
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4528.9	170	4634.9	162.68	4673.8	160	4985.95	149.31	4991.55	148.09		
4993.75	146.63	4995.75	146.1	4998.55	145.93	4999.95	146.06	5000	146.06		
5006.65	146.63	5008.45	148.63	5012.25	149.21	5169.9	158.97	5186.6	160		
5725.1	170										

Manning's n Values			num= 5								
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4528.9	.12	4634.9	.15	4991.55	.045	5008.45	.15	5169.9	.12		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4991.55	5008.45		591	591		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 9592.0

INPUT

DuplicateEffectiveInput.rep.txt

Description: Cross Section SPB-17.0

Station Elevation Data		num= 16		Sta		Elev		Sta		Elev	
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4278.9	170	4655.3	161.44	4718.8	160	4790.6	157.08	4985.95	149.15		
4991.55	147.93	4993.75	146.47	4995.75	145.94	4998.55	145.77	4999.95	145.9		
5000	145.9	5006.65	146.47	5008.45	148.47	5012.25	149.05	5164.9	160		
5605.1	170										

Manning's n Values		num= 5		Sta		n Val		Sta		n Val	
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4278.9	.12	4655.3	.12	4790.6	.15	4991.55	.045	5008.45	.12		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
4991.55	5008.45		136.5	136.5	136.5		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 9455.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data		num= 33		Sta		Elev		Sta		Elev	
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	170	3891.7	170	4122.6	170	4602.3	162.55	4766.1	160		
4810.9	156.6	4815.5	156.25	4864.9	155.35	4891.6	154.87	4921	155.15		
4948.5	155.42	4976.7	154.62	4985.7	149.11	4986.8	148.87	4991.3	147.89		
4993.5	146.43	4995.5	145.9	4998.3	145.73	4999.7	145.86	5006.4	146.43		
5008.2	148.43	5012	149.01	5018.6	154.42	5036.8	155.55	5046.4	156.14		
5071.1	156.27	5090.3	156.51	5122.6	156.92	5144.8	159.7	5147.2	160		
5238.4	162.07	5587.4	170	5821.5	170						

Manning's n Values		num= 4		Sta		n Val		Sta		n Val	
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12				

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
4991.3	5008.2		299	299	299		.3	.5

Ineffective Flow		num= 2		Sta		Elev		Permanent	
Sta L	Sta R	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	4975	155.2	F						
5015	5821.5	156.3	F						

CULVERT

RIVER: Main Stem

REACH: Reach - 1

RS: 9306.0

INPUT

Description: BROAD STREET

Structure ID: SPB7

Distance from Upstream XS = 10

Deck/Roadway Width = 279

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 33

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
3865.6		170		170	3891.7	170.01			170	4122.6	170.01			170
4602.3	162.56		162.55		4766.1	160.01			160	4810.9	157.4			156.6
4815.5	157.28		156.25		4864.9	155.96			155.35	4891.6	155.7			154.87
4921	155.41		155.15		4948.5	155.54			155.42	4976.7	155.67			154.62
4985.7	155.71		149.11		4986.8	155.72			148.87	4991.3	155.8			147.89
4993.5	155.84		146.43		4995.5	155.87			145.9	4998.3	155.92			145.73
4999.7	155.94		145.86		5006.4	156.06			146.43	5008.2	156.09			148.43
5012	156.16		149.01		5018.6	156.27			154.42	5036.8	156.59			155.55
5046.4	156.68		156.14		5071.1	156.9			156.27	5090.3	157.07			156.51
5122.6	157.25		156.92		5144.8	159.71			159.7	5147.2	160.01			160
5238.4	162.08		162.07		5587.4	170.01			170	5821.5	170			170

Upstream Bridge Cross Section Data

Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	170	3891.7	170	4122.6	170	4602.3	162.55	4766.1	160
4810.9	156.6	4815.5	156.25	4864.9	155.35	4891.6	154.87	4921	155.15
4948.5	155.42	4976.7	154.62	4985.7	149.11	4986.8	148.87	4991.3	147.89
4993.5	146.43	4995.5	145.9	4998.3	145.73	4999.7	145.86	5006.4	146.43
5008.2	148.43	5012	149.01	5018.6	154.42	5036.8	155.55	5046.4	156.14
5071.1	156.27	5090.3	156.51	5122.6	156.92	5144.8	159.7	5147.2	160
5238.4	162.07	5587.4	170	5821.5	170				

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta: Left Right Coeff Contr. Expan.

4991.3 5008.2 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3865.6	4975	155.2	F
5015	5821.5	156.3	F

Downstream Deck/Roadway Coordinates

num= 33

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord

DuplicateEffectiveInput.rep.txt

3865.6	170	169.88	3891.7	170.01	169.88	4122.6	170.01	169.88
4602.3	162.56	162.43	4766.1	160.01	159.88	4810.9	157.4	156.48
4815.5	157.28	156.13	4864.9	155.96	155.23	4891.6	155.7	154.75
4921	155.41	155.03	4948.5	155.54	155.3	4976.7	155.67	154.5
4985.7	155.71	148.99	4986.8	155.72	148.75	4991.3	155.8	147.77
4993.5	155.84	146.31	4995.5	155.87	145.78	4998.3	155.92	145.61
4999.7	155.94	145.74	5006.4	156.06	146.31	5008.2	156.09	148.31
5012	156.16	148.89	5018.6	156.27	154.3	5036.8	156.59	155.43
5046.4	156.68	156.02	5071.1	156.9	156.15	5090.3	157.07	156.39
5122.6	157.25	156.8	5144.8	159.71	159.58	5147.2	160.01	159.88
5238.4	162.08	161.95	5587.4	170.01	169.88	5821.5	170	169.88

Downstream Bridge Cross Section Data

Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	169.88	3891.7	169.88	4122.6	169.88	4602.3	162.43	4766.1	159.88
4810.9	156.48	4815.5	156.13	4864.9	155.23	4891.6	154.75	4921	155.03
4948.5	155.3	4976.7	154.5	4985.7	148.99	4986.8	148.75	4991.3	147.77
4993.5	146.31	4995.5	145.78	4998.3	145.61	4999.7	145.74	5006.4	146.31
5008.2	148.31	5012	148.89	5018.6	154.3	5036.8	155.43	5046.4	156.02
5071.1	156.15	5090.3	156.39	5122.6	156.8	5144.8	159.58	5147.2	159.88
5238.4	161.95	5587.4	169.88	5821.5	169.88				

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
4991.3		5008.2		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3865.6	4975	154	F
5015	5821.5	156.1	F

Upstream Embankment side slope	=	1 horiz. to 1.0 vertical
Downstream Embankment side slope	=	1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow	=	.95
Elevation at which weir flow begins	=	
Energy head used in spillway design	=	
Spillway height used in design	=	
Weir crest shape	=	Broad Crested

Number of Culverts = 3

Culvert Name	Shape	Rise	Span
Culvert #3	Circular	4.5	
FHWA Chart # 1 - Concrete Pipe Culvert			
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill			

DuplicateEffectiveInput.rep.txt

Solution Criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef

10	279	.015	.015	0	.5	

1

Upstream Elevation = 148.55
Centerline Station = 4986.5
Downstream Elevation = 148.14
Centerline Station = 4986.5

Culvert Name	Shape	Rise	Span

Culvert #1	Circular	4.5	

FHWA Chart # 1 - Concrete Pipe Culvert

FHWA Scale # 3 - Groove end entrance; pipe projecting from fill

Solution Criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef

10	279	.015	.015	0	.5	

1

Upstream Elevation = 148.63
Centerline Station = 4991.6
Downstream Elevation = 148.51
Centerline Station = 4991.6

Culvert Name	Shape	Rise	Span

Culvert #2	Ellipse	8.5	12

FHWA Chart # 29- Horizontal Ellipse; Concrete

FHWA Scale # 1 - Square edge with headwall

Solution Criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef

10	279	.015	.015	0	.5	

1

Upstream Elevation = 145.7
Centerline Station = 5002
Downstream Elevation = 145.36
Centerline Station = 5002

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 9156.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

DuplicateEffectiveInput.rep.txt

3865.6	169.85	3891.7	169.85	4122.6	169.85	4602.3	162.4	4766.1	159.85
4810.9	156.45	4815.5	156.1	4864.9	155.2	4891.6	154.72	4921	155
4948.5	155.27	4976.7	154.47	4985.7	148.96	4986.8	148.72	4991.3	147.74
4993.5	146.28	4995.5	145.75	4998.3	145.58	4999.7	145.71	5006.4	146.28
5008.2	148.28	5012	148.86	5018.6	154.27	5036.8	155.4	5046.4	155.99
5071.1	156.12	5090.3	156.36	5122.6	156.77	5144.8	159.55	5147.2	159.85
5238.4	161.92	5587.4	169.85	5821.5	169.85				

Manning's n Values			num= 4					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12	

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4991.3	5008.2		553.5	553.5		.3	.5
Ineffective Flow			num=	2				
Sta L	Sta R	Elev	Permanent					
3865.6	4975	154	F					
5015	5821.5	156.1	F					

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 8603.0

INPUT

Description: Cross Section SPB-16.0

Station Elevation Data			num= 17						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4344.5	170	4584.8	160	4959.7	150	4985.95	147.24	4991.1	146.12
4991.55	146.02	4993.75	144.56	4995.75	144.03	4998.55	143.86	4999.95	143.99
5000	143.99	5006.65	144.56	5008.45	146.56	5012.25	147.14	5026.9	150
5202.9	160	5618.3	170						

Manning's n Values			num= 4					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	
4344.5	.11	4991.1	.12	4991.55	.045	5008.45	.12	

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4991.55	5008.45		709	709		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 7894.0

INPUT

DuplicateEffectiveInput.rep.txt

Description: Cross Section SPB-15.0

Station Elevation Data num= 20									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4541.2	160	4887.7	150	4971.5	149.3	4976	149.26	4991.2	145.37
4994.8	143.23	4998.5	142.23	5000	141.97	5001.8	141.66	5005.2	141.69
5009.9	143.94	5011.2	145.37	5024	149.07	5057.2	149.79	5067	150
5272.4	150	5368.4	150	5427.3	150	5584.1	160	5804	170

Manning's n Values num= 6									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4541.2	.11	4971.5	.12	4976	.045	5024	.12	5057.2	.15
5368.4	.12								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4976	5024		230 230	230		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 7664.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 55									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4109.4	170.03	4206.5	170.03	4528.5	160.03	4596.6	158.55	4706.7	156.15
4759.6	154.99	4774.4	154.67	4814.3	154.38	4817.8	154.35	4856	153.97
4866.4	153.87	4876	153.89	4918	154	4928.8	154.05	4963.9	154.22
4968	154.24	4974.8	152.54	4976.99	151.4	4977.1	151.35	4977.21	151.29
4978.3	150.72	4978.41	150.67	4978.53	150.6	4978.6	150.57	4990	144.65
4993.6	142.51	4997.3	141.51	5000.6	140.94	5004	140.97	5008.7	143.22
5009.9	144.54	5010	144.65	5022.8	150.35	5023.09	150.37	5023.2	150.37
5023.3	150.38	5025.5	150.5	5030.29	150.95	5030.4	150.96	5030.51	150.97
5064	154.14	5071.8	154.59	5072.5	154.59	5084.7	154.55	5101.8	154.5
5139.3	154.59	5156.1	154.63	5196.4	154.72	5208	154.74	5257	155.13
5258.1	155.14	5455	160.03	5473.2	160.84	5679.3	170.03	5888.6	170.03

Manning's n Values num= 6									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4974.8	5022.8		70 70	70		.3	.5

Ineffective Flow num= 2			
Sta L	Sta R	Elev	Permanent
4109.4	4970	155.8	F

5030 5888.6 155.8 F

BRIDGE

RIVER: Main Stem

REACH: Reach - 1 RS: 7629.0

INPUT

Description: MILLER ROAD

Structure ID: SPB6

Distance from Upstream XS = 10

Deck/Roadway Width = 50

Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

num= 55

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4109.4	170		170		4206.5	170.01		170		4528.5	161.4		160	
4596.6	160	158.52			4706.7	156.67	156.12			4759.6	156.28	154.96		
4774.4	156.2	154.64			4814.3	155.98	154.35			4817.8	155.96	154.32		
4856	155.8	153.94			4866.4	155.76	153.84			4876	155.72	153.86		
4918	155.7	153.97			4928.8	155.7	154.02			4963.9	155.98	154.19		
4968	156.02	154.21			4974.8	156.07	152.51			4976.99	156.09	151.37		
4977.1	158.39	151.32			4977.21	158.39	151.26			4978.3	158.46	150.69		
4978.41	158.46	150.64			4978.53	158.46	150.57			4978.6	158.46	155.36		
4990	158.44	155.34			4993.6	158.44	155.34			4997.3	158.43	155.33		
5000.6	158.43	155.33			5004	158.42	155.32			5008.7	158.41	155.31		
5009.9	158.41	155.31			5010	158.41	155.31			5022.8	158.39	155.29		
5023.09	158.39	155.29			5023.2	158.39	150.34			5023.3	158.39	150.35		
5025.5	158.37	150.47			5030.29	158.33	150.92			5030.4	158.33	150.93		
5030.51	156.03	150.94			5064	155.84	154.11			5071.8	155.8	154.56		
5072.5	155.8	154.56			5084.7	155.73	154.52			5101.8	155.75	154.47		
5139.3	155.78	154.56			5156.1	155.78	154.6			5196.4	155.77	154.69		
5208	155.77	154.71			5257	155.79	155.1			5258.1	155.81	155.11		
5455	160.01	160			5473.2	160.82	160.81			5679.3	170.01	170		
5888.6	170	170												

Upstream Bridge Cross Section Data

Station Elevation Data num= 55

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4109.4	170	4206.5	170	4528.5	160	4596.6	158.52	4706.7	156.12
4759.6	154.96	4774.4	154.64	4814.3	154.35	4817.8	154.32	4856	153.94
4866.4	153.84	4876	153.86	4918	153.97	4928.8	154.02	4963.9	154.19
4968	154.21	4974.8	152.51	4976.99	151.37	4977.1	151.32	4977.21	151.26
4978.3	150.69	4978.41	150.64	4978.53	150.57	4978.6	150.54	4990	144.62
4993.6	142.48	4997.3	141.48	5000.6	140.91	5004	140.94	5008.7	143.19
5009.9	144.51	5010	144.62	5022.8	150.32	5023.09	150.34	5023.2	150.34
5023.3	150.35	5025.5	150.47	5030.29	150.92	5030.4	150.93	5030.51	150.94

DuplicateEffectiveInput.rep.txt

5064	154.11	5071.8	154.56	5072.5	154.56	5084.7	154.52	5101.8	154.47
5139.3	154.56	5156.1	154.6	5196.4	154.69	5208	154.71	5257	155.1
5258.1	155.11	5455	160	5473.2	160.81	5679.3	170	5888.6	170

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta: Left Right Coeff Contr. Expan.

4974.8 5022.8 .3 .5

Ineffective Flow

num= 2

Sta L	Sta R	Elev	Permanent
4109.4	4970	155.8	F
5030	5888.6	155.8	F

Downstream Deck/Roadway Coordinates

num= 55

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4109.4	170	169.83	4206.5	170.01	169.83	4528.5	161.4	159.83						
4596.6	160	158.35	4706.7	156.67	155.95	4759.6	156.28	154.79						
4774.4	156.2	154.47	4814.3	155.98	154.18	4817.8	155.96	154.15						
4856	155.8	153.77	4866.4	155.76	153.67	4876	155.72	153.69						
4918	155.7	153.8	4928.8	155.7	153.85	4963.9	155.98	154.02						
4968	156.02	154.04	4974.8	156.07	152.34	4976.99	156.09	151.2						
4977.1	158.39	151.15	4977.21	158.39	151.09	4978.3	158.46	150.52						
4978.41	158.46	150.47	4978.53	158.46	150.4	4978.6	158.46	155.19						
4990	158.44	155.17	4993.6	158.44	155.17	4997.3	158.43	155.16						
5000.6	158.43	155.16	5004	158.42	155.15	5008.7	158.41	155.14						
5009.9	158.41	155.14	5010	158.41	155.14	5022.8	158.39	155.12						
5023.09	158.39	155.12	5023.2	158.39	150.17	5023.3	158.39	150.18						
5025.5	158.37	150.3	5030.29	158.33	150.75	5030.4	158.33	150.76						
5030.51	156.03	150.77	5064	155.84	153.94	5071.8	155.8	154.39						
5072.5	155.8	154.39	5084.7	155.73	154.35	5101.8	155.75	154.3						
5139.3	155.78	154.39	5156.1	155.78	154.43	5196.4	155.77	154.52						
5208	155.77	154.54	5257	155.79	154.93	5258.1	155.81	154.94						
5455	160.01	159.83	5473.2	160.82	160.64	5679.3	170.01	169.83						
5888.6	170	169.83												

Downstream Bridge Cross Section Data

Station Elevation Data num= 55

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4109.4	169.83	4206.5	169.83	4528.5	159.83	4596.6	158.35	4706.7	155.95
4759.6	154.79	4774.4	154.47	4814.3	154.18	4817.8	154.15	4856	153.77
4866.4	153.67	4876	153.69	4918	153.8	4928.8	153.85	4963.9	154.02
4968	154.04	4974.8	152.34	4976.99	151.2	4977.1	151.15	4977.21	151.09
4978.3	150.52	4978.41	150.47	4978.53	150.4	4978.6	150.37	4990	144.45
4993.6	142.31	4997.3	141.31	5000.6	140.74	5004	140.77	5008.7	143.02

DuplicateEffectiveInput.rep.txt

5009.9	144.34	5010	144.45	5022.8	150.15	5023.09	150.17	5023.2	150.17
5023.3	150.18	5025.5	150.3	5030.29	150.75	5030.4	150.76	5030.51	150.77
5064	153.94	5071.8	154.39	5072.5	154.39	5084.7	154.35	5101.8	154.3
5139.3	154.39	5156.1	154.43	5196.4	154.52	5208	154.54	5257	154.93
5258.1	154.94	5455	159.83	5473.2	160.64	5679.3	169.83	5888.6	169.83

Manning's n Values num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta: Left Right Coeff Contr. Expan.

4974.8	5022.8		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4109.4	4970	153.3	F
5030	5888.6	153.3	F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Abutments = 1

Abutment Data

Upstream num= 2

Sta	Elev	Sta	Elev
5010	144.62	5023.29	155.29

Downstream num= 2

Sta	Elev	Sta	Elev
5010	144.45	5023.29	155.12

Number of Piers = 2

Pier Data

Pier Station Upstream= 4993.6 Downstream= 4993.6

Upstream num= 2

Width	Elev	Width	Elev
1	141.34	1	156.34

Downstream num= 2

Width	Elev	Width	Elev
1	141.17	1	156.17

Pier Data

DuplicateEffectiveInput.rep.txt

Pier Station Upstream= 5008.7 Downstream= 5008.7

Upstream num= 2
 Width Elev Width Elev
 1 141.95 1 156.31
 Downstream num= 2
 Width Elev Width Elev
 1 141.78 1 156.14

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy

Momentum Cd = 2

Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Pressure and Weir flow

Submerged Inlet Cd =

Submerged Inlet + Outlet Cd = .8

Max Low Cord =

Additional Bridge Parameters

Add Friction component to Momentum

Do not add Weight component to Momentum

Class B flow critical depth computations use critical depth
 inside the bridge at the upstream end

Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 7594.0

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data		num= 55							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4109.4	169.81	4206.5	169.81	4528.5	159.81	4596.6	158.33	4706.7	155.93
4759.6	154.77	4774.4	154.45	4814.3	154.16	4817.8	154.13	4856	153.75
4866.4	153.65	4876	153.67	4918	153.78	4928.8	153.83	4963.9	154
4968	154.02	4974.8	152.32	4976.99	151.18	4977.1	151.13	4977.21	151.07
4978.3	150.5	4978.41	150.45	4978.53	150.38	4978.6	150.35	4990	144.43
4993.6	142.29	4997.3	141.29	5000.6	140.72	5004	140.75	5008.7	143
5009.9	144.32	5010	144.43	5022.8	150.13	5023.09	150.15	5023.2	150.15
5023.3	150.16	5025.5	150.28	5030.29	150.73	5030.4	150.74	5030.51	150.75
5064	153.92	5071.8	154.37	5072.5	154.37	5084.7	154.33	5101.8	154.28
5139.3	154.37	5156.1	154.41	5196.4	154.5	5208	154.52	5257	154.91

DuplicateEffectiveInput.rep.txt

5258.1 154.92 5455 159.81 5473.2 160.62 5679.3 169.81 5888.6 169.81

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4974.8	5022.8		395	395		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4109.4	4970	153.3	F
5030	5888.6	153.3	F

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 7199.0

INPUT

Description: Cross Section SPB-14.0

Station Elevation Data num= 16

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4412.6	170	4732.3	160	4826.8	153.25	4872.2	150	4970.45	150.47
4977.05	147.77	4998.05	139.99	5000	140.01	5005.65	140.06	5014.55	140.49
5020.85	147.81	5029.55	148.54	5110.7	150	5279	156.82	5357.3	160
5537.4	170								

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4412.6	.12	4826.8	.15	4970.45	.045	5029.55	.15	5279	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4970.45	5029.55		447	447		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 6752.0

INPUT

Description: Cross Section SPB-13.0

Station Elevation Data num= 15

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4692.3	160	4789.3	151.86	4811.5	150	4970.45	149.65	4977.05	146.95
4998.05	139.17	5000	139.19	5005.65	139.24	5014.55	139.67	5020.85	146.99

DuplicateEffectiveInput.rep.txt

5029.55 147.72 5122.1 148.45 5320.6 150 5510.8 160 5747 170

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4692.3	.12	4789.3	.15	4970.45	.045	5029.55	.15	5122.1	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4970.45	5029.55		636	636		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 6116.0

INPUT

Description: Cross Section SPB-12.0

Station Elevation Data num= 15

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4236.1	160	4714.7	151.08	4772.6	150	4970.45	148.48	4977.05	145.78
4998.05	138	5000	138.02	5005.65	138.07	5014.55	138.5	5020.85	145.82
5029.55	146.55	5106.8	147.52	5303.5	150	5490.5	160	5803.2	170

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4236.1	.12	4714.7	.15	4970.45	.045	5029.55	.15	5106.8	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4970.45	5029.55		658	658		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 5458.0

INPUT

Description: Cross Section SPB-11.0

Station Elevation Data num= 14

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4483.8	170	4661.9	160	4683.1	158.63	4816.1	150	4970.45	147.26
4977.05	144.56	4998.05	136.78	5000	136.8	5005.65	136.85	5014.55	137.28
5020.85	144.6	5029.55	145.33	5559.3	150	5800.9	160		

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4483.8	.12	4683.1	.15	4970.45	.045	5029.55	.12

DuplicateEffectiveInput.rep.txt

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff	Contr.	Expan.
4970.45	5029.55	240	240		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 5218.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data				num= 37					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4325.7	170.02	4503.9	160.02	4538.2	158	4619.1	153.23	4673.6	150.02
4711.2	147.96	4720.9	147.93	4780.8	147.72	4783.8	147.71	4838.7	147.44
4855.9	147.35	4890.7	146.8	4892.7	146.91	4944.4	149.63	4947.2	149.58
4961.9	149.34	4971.5	147.82	4972.2	147.32	4978.1	143.12	4999.1	136.34
5006.7	136.41	5015.6	136.84	5021.9	143.16	5023.6	143.3	5030.6	143.89
5036.8	146.61	5053.3	149.46	5058.3	149.64	5089.2	150.74	5092.3	150.85
5134.4	151.11	5145.6	151.17	5194.5	151.45	5201.3	151.41	5437.3	150.02
5849.5	160.02	5946.8	160.02						

Manning's n Values				num= 5					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff	Contr.	Expan.
4978.1	5030.6	116	116		.3	.5

Ineffective Flow				num= 2	
Sta L	Sta R	Elev	Permanent		
4325.7	4965	151.9	F		
5035	5946.8	151.9	F		

CULVERT

RIVER: Main Stem
 REACH: Reach - 1 RS: 5160.0

INPUT

Description: GUIGNARD DRIVE

Structure ID: SPB5

Distance from Upstream XS = 10

Deck/Roadway Width = 96

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 37														
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord

DuplicateEffectiveInput.rep.txt

4325.7	170	170	4503.9	160	160	4538.2	157.98	157.98
4619.1	153.22	153.21	4673.6	152.3	150	4711.2	152.16	147.94
4720.9	152.12	147.91	4780.8	151.69	147.7	4783.8	151.69	147.69
4838.7	151.62	147.42	4855.9	151.59	147.33	4890.7	151.53	146.78
4892.7	151.53	146.89	4944.4	151.34	149.61	4947.2	151.33	149.56
4961.9	151.59	149.32	4971.5	151.76	147.8	4972.2	151.77	147.3
4978.1	151.8	143.1	4999.1	151.93	136.32	5006.7	151.97	136.39
5015.6	152.02	136.82	5021.9	152.06	143.14	5023.6	152.07	143.28
5030.6	152.06	143.87	5036.8	152.04	146.59	5053.3	152.01	149.44
5058.3	152	149.62	5089.2	151.94	150.72	5092.3	151.95	150.83
5134.4	152.12	151.09	5145.6	152.16	151.15	5194.5	152.35	151.43
5201.3	152.38	151.39	5437.3	154.79	150	5849.5	160.01	160
5946.8	160	160						

Upstream Bridge Cross Section Data

Station Elevation Data		num= 37							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4325.7	170	4503.9	160	4538.2	157.98	4619.1	153.21	4673.6	150
4711.2	147.94	4720.9	147.91	4780.8	147.7	4783.8	147.69	4838.7	147.42
4855.9	147.33	4890.7	146.78	4892.7	146.89	4944.4	149.61	4947.2	149.56
4961.9	149.32	4971.5	147.8	4972.2	147.3	4978.1	143.1	4999.1	136.32
5006.7	136.39	5015.6	136.82	5021.9	143.14	5023.6	143.28	5030.6	143.87
5036.8	146.59	5053.3	149.44	5058.3	149.62	5089.2	150.72	5092.3	150.83
5134.4	151.09	5145.6	151.15	5194.5	151.43	5201.3	151.39	5437.3	150
5849.5	160	5946.8	160						

Manning's n Values		num= 5							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4978.1	5030.6		.3	.5

Ineffective Flow		num= 2			
Sta L	Sta R	Elev	Permanent		
4325.7	4965	151.9	F		
5035	5946.8	151.9	F		

Downstream Deck/Roadway Coordinates

num= 37									
Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	
4325.7	170	169.89	4503.9	160	159.89	4538.2	157.98	157.87	
4619.1	153.22	153.1	4673.6	152.3	149.89	4711.2	152.16	147.83	
4720.9	152.12	147.8	4780.8	151.69	147.59	4783.8	151.69	147.58	
4838.7	151.62	147.31	4855.9	151.59	147.22	4890.7	151.53	146.67	
4892.7	151.53	146.78	4944.4	151.34	149.5	4947.2	151.33	149.45	
4961.9	151.59	149.21	4971.5	151.76	147.69	4972.2	151.77	147.19	
4978.1	151.8	142.99	4999.1	151.93	136.21	5006.7	151.97	136.28	
5015.6	152.02	136.71	5021.9	152.06	143.03	5023.6	152.07	143.17	

DuplicateEffectiveInput.rep.txt

5030.6	152.06	143.76	5036.8	152.04	146.48	5053.3	152.01	149.33
5058.3	152	149.51	5089.2	151.94	150.61	5092.3	151.95	150.72
5134.4	152.12	150.98	5145.6	152.16	151.04	5194.5	152.35	151.32
5201.3	152.38	151.28	5437.3	154.79	149.89	5849.5	160.01	159.89
5946.8	160	159.89						

Downstream Bridge Cross Section Data

Station Elevation Data num= 37

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4325.7	169.89	4503.9	159.89	4538.2	157.87	4619.1	153.1	4673.6	149.89
4711.2	147.83	4720.9	147.8	4780.8	147.59	4783.8	147.58	4838.7	147.31
4855.9	147.22	4890.7	146.67	4892.7	146.78	4944.4	149.5	4947.2	149.45
4961.9	149.21	4971.5	147.69	4972.2	147.19	4978.1	142.99	4999.1	136.21
5006.7	136.28	5015.6	136.71	5021.9	143.03	5023.6	143.17	5030.6	143.76
5036.8	146.48	5053.3	149.33	5058.3	149.51	5089.2	150.61	5092.3	150.72
5134.4	150.98	5145.6	151.04	5194.5	151.32	5201.3	151.28	5437.3	149.89
5849.5	159.89	5946.8	159.89						

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta: Left Right Coeff Contr. Expan.

4978.1 5030.6 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4325.7	4965	151	F
5035	5946.8	151	F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Culverts = 3

Culvert Name	Shape	Rise	Span
Culvert #1	Box	10	10
FHWA Chart # 8 - flared wingwalls			
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.			
Solution Criteria = Highest U.S. EG			
Culvert Upstrm Dist	Length	Top n	Bottom n
1	10	96	.015
			.015
			0
			.4

Depth Blocked Entrance Loss Coef Exit Loss Coef

DuplicateEffectiveInput.rep.txt

Upstream Elevation = 136.12
Centerline Station = 5006.5
Downstream Elevation = 136.42
Centerline Station = 5006.5

Culvert Name Shape Rise Span
Culvert #2 Box 10 10
FHWA Chart # 8 - flared wingwalls
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
Solution Criteria = Highest U.S. EG
Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
Exit Loss Coef
1 10 96 .015 .015 0 .4

Upstream Elevation = 136.14
Centerline Station = 5017.1
Downstream Elevation = 136.47
Centerline Station = 5017.1

Culvert Name Shape Rise Span
Culvert #3 Box 10 10
FHWA Chart # 8 - flared wingwalls
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
Solution Criteria = Highest U.S. EG
Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
Exit Loss Coef
1 10 96 .015 .015 0 .4

Upstream Elevation = 136.15
Centerline Station = 4995.4
Downstream Elevation = 136.37
Centerline Station = 4995.4

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 5102.0

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station	Elevation	Data	num=	37						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	
4325.7	169.89	4503.9	159.89	4538.2	157.87	4619.1	153.1	4673.6	149.89	
4711.2	147.83	4720.9	147.8	4780.8	147.59	4783.8	147.58	4838.7	147.31	
4855.9	147.22	4890.7	146.67	4892.7	146.78	4944.4	149.5	4947.2	149.45	
4961.9	149.21	4971.5	147.69	4972.2	147.19	4978.1	142.99	4999.1	136.21	
5006.7	136.28	5015.6	136.71	5021.9	143.03	5023.6	143.17	5030.6	143.76	

DuplicateEffectiveInput.rep.txt

5036.8	146.48	5053.3	149.33	5058.3	149.51	5089.2	150.61	5092.3	150.72
5134.4	150.98	5145.6	151.04	5194.5	151.32	5201.3	151.28	5437.3	149.89
5849.5	159.89	5946.8	159.89						

Manning's n Values		num= 5							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4978.1	5030.6		423	423		.3	.5

Ineffective Flow		num= 2			
Sta L	Sta R	Elev	Permanent		
4325.7	4965	151	F		
5035	5946.8	151	F		

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 4679.0

INPUT

Description: Cross Section SPB-10.0

Station Elevation Data		num= 17							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4404.3	160	4510.6	160	4562.9	160	4648.2	153.78	4700	150
4975.8	143.64	4986.5	143.14	4988.9	140.74	4995.1	136.16	5000	137.34
5001	137.58	5009.2	141.27	5013.1	143.16	5024.2	143.63	5258.2	149.03
5300	150	5447.5	160						

Manning's n Values		num= 5							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4404.3	.12	4648.2	.15	4975.8	.045	5024.2	.15	5258.2	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4975.8	5024.2		235	235		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 4444.0

INPUT

Description: Cross Section SPB-9.0

Station Elevation Data		num= 18							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4413.7	160	4528.6	160	4589.7	160	4678.8	153.07	4718.3	150

DuplicateEffectiveInput.rep.txt

4975.8	143.61	4986.5	143.11	4988.9	140.71	4995.1	136.13	5000	137.31
5001	137.55	5009.2	141.24	5013.1	143.13	5024.2	143.6	5256.5	148.41
5333.2	150	5606.6	160	5761.6	170				

Manning's n Values			num= 5								
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4413.7	.12	4678.8	.15	4975.8	.045	5024.2	.15	5256.5	.12		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4975.8	5024.2		192.5	192.5		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 4251.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data			num= 57								
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79		
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81		
4877.8	145.64	4910.3	144.72	4921.6	144.4	4961.5	144.98	4976	143.59		
4976.19	143.58	4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46		
4978.8	143.46	4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28		
4995.3	136.11	5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11		
5013.3	143.12	5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81		
5020.79	143.75	5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84		
5057.1	146.15	5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94		
5087	145.3	5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85		
5195.6	148.84	5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160		
5708.4	170	5736.3	170								

Manning's n Values			num= 3		
Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4976	.045	5024.4	.13

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4976	5024.4		59	59		.3	.5

Ineffective Flow			num= 2	
Sta L	Sta R	Elev	Permanent	
4042.4	4970	150.1	F	
5030	5736.3	149.4	F	

BRIDGE

DuplicateEffectiveInput.rep.txt

RIVER: Main Stem

REACH: Reach - 1

RS: 4222.0

INPUT

Description: HAYNSWORTH ST

Structure ID: SPB3

Distance from Upstream XS = 10

Deck/Roadway Width = 39

Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

num= 57

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
4042.4	160	160	4321.2	160.01	160	4630.4	154.94	150.55
4648.5	154.64	150	4714.7	153.56	149.79	4732.3	153.27	149.77
4779.7	152.53	149.7	4790	152.37	148.77	4820.5	151.84	146.02
4852.7	151.28	145.81	4877.8	150.84	145.64	4910.3	150.26	144.72
4921.6	150.18	144.4	4961.5	149.89	144.98	4976	149.78	143.59
4976.19	149.78	143.58	4976.3	154.28	143.58	4976.41	154.28	143.57
4978.6	154.34	143.47	4978.71	154.34	143.46	4978.8	154.34	148.84
4986.6	154.31	148.81	4986.7	154.31	148.81	4989.1	154.3	148.8
4991.9	154.29	148.79	4995.3	154.28	148.78	5001.2	154.26	148.76
5005.5	154.25	148.75	5009.4	154.23	148.73	5013.2	154.22	148.72
5013.3	154.22	148.72	5018.4	154.2	148.7	5019.39	154.2	148.7
5019.5	154.2	143.82	5019.6	154.18	143.81	5020.79	153.96	143.75
5020.9	153.96	143.75	5021.01	149.46	143.74	5024.4	149.47	143.58
5030	149.49	143.84	5057.1	149.58	146.15	5060.2	149.59	146.99
5071	149.63	147.16	5076	149.65	146.01	5077.1	149.65	145.94
5087	149.79	145.3	5122.5	150.31	144.68	5134	150.48	146.38
5151.3	150.93	148.94	5189.7	151.94	148.85	5195.6	152.11	148.84
5246.9	153.57	152.95	5248.2	153.61	152.99	5428.2	160	158.09
5495.5	162.18	160	5708.4	170.01	170	5736.3	170	170

Upstream Bridge Cross Section Data

Station Elevation Data

num= 57

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81
4877.8	145.64	4910.3	144.72	4921.6	144.4	4961.5	144.98	4976	143.59
4976.19	143.58	4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46
4978.8	143.46	4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28
4995.3	136.11	5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11
5013.3	143.12	5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81
5020.79	143.75	5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84
5057.1	146.15	5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94
5087	145.3	5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85
5195.6	148.84	5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160
5708.4	170	5736.3	170						

DuplicateEffectiveInput.rep.txt

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 4042.4 .13 4976 .045 5024.4 .13

Bank Sta: Left Right Coeff Contr. Expan.
 4976 5024.4 .3 .5

Ineffective Flow num= 2
 Sta L Sta R Elev Permanent
 4042.4 4970 150.1 F
 5030 5736.3 149.4 F

Downstream Deck/Roadway Coordinates
num= 57

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
4042.4	160	159.9	4321.2	160.01	159.9	4630.4	154.94	150.45
4648.5	154.64	149.9	4714.7	153.56	149.69	4732.3	153.27	149.67
4779.7	152.53	149.6	4790	152.37	148.67	4820.5	151.84	145.92
4852.7	151.28	145.71	4877.8	150.84	145.54	4910.3	150.26	144.62
4921.6	150.18	144.3	4961.5	149.89	144.88	4976	149.78	143.49
4976.19	149.78	143.48	4976.3	154.28	143.48	4976.41	154.28	143.47
4978.6	154.34	143.37	4978.71	154.34	143.36	4978.8	154.34	148.74
4986.6	154.31	148.71	4986.7	154.31	148.71	4989.1	154.3	148.7
4991.9	154.29	148.69	4995.3	154.28	148.68	5001.2	154.26	148.66
5005.5	154.25	148.65	5009.4	154.23	148.63	5013.2	154.22	148.62
5013.3	154.22	148.62	5018.4	154.2	148.6	5019.39	154.2	148.6
5019.5	154.2	143.72	5019.6	154.18	143.71	5020.79	153.96	143.65
5020.9	153.96	143.65	5021.01	149.46	143.64	5024.4	149.47	143.48
5030	149.49	143.74	5057.1	149.58	146.05	5060.2	149.59	146.89
5071	149.63	147.06	5076	149.65	145.91	5077.1	149.65	145.84
5087	149.79	145.2	5122.5	150.31	144.58	5134	150.48	146.28
5151.3	150.93	148.84	5189.7	151.94	148.75	5195.6	152.11	148.74
5246.9	153.57	152.85	5248.2	153.61	152.89	5428.2	160	157.99
5495.5	162.18	159.9	5708.4	170.01	169.9	5736.3	170	169.9

Downstream Bridge Cross Section Data

Station Elevation Data num= 57

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	159.9	4321.2	159.9	4630.4	150.45	4648.5	149.9	4714.7	149.69
4732.3	149.67	4779.7	149.6	4790	148.67	4820.5	145.92	4852.7	145.71
4877.8	145.54	4910.3	144.62	4921.6	144.3	4961.5	144.88	4976	143.49
4976.19	143.48	4976.3	143.48	4976.41	143.47	4978.6	143.37	4978.71	143.36
4978.8	143.36	4986.6	142.99	4986.7	142.89	4989.1	140.59	4991.9	137.18
4995.3	136.01	5001.2	137.43	5005.5	139.07	5009.4	141.12	5013.2	143.01
5013.3	143.02	5018.4	143.77	5019.39	143.72	5019.5	143.72	5019.6	143.71
5020.79	143.65	5020.9	143.65	5021.01	143.64	5024.4	143.48	5030	143.74
5057.1	146.05	5060.2	146.89	5071	147.06	5076	145.91	5077.1	145.84
5087	145.2	5122.5	144.58	5134	146.28	5151.3	148.84	5189.7	148.75
5195.6	148.74	5246.9	152.85	5248.2	152.89	5428.2	157.99	5495.5	159.9

DuplicateEffectiveInput.rep.txt

5708.4 169.9 5736.3 169.9

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 4042.4 .13 4976 .045 5024.4 .13

Bank Sta: Left Right Coeff Contr. Expan.
 4976 5024.4 .3 .5

Ineffective Flow num= 2
 Sta L Sta R Elev Permanent
 4042.4 4970 149.2 F
 5030 5736.3 148 F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Abutments = 2

Abutment Data

Upstream num= 2
 Sta Elev Sta Elev
 4978.6 148.84 4986.7 142.99
 Downstream num= 2
 Sta Elev Sta Elev
 4978.6 148.74 4986.7 142.89

Abutment Data

Upstream num= 2
 Sta Elev Sta Elev
 5013.3 143.12 5019.59 148.7
 Downstream num= 2
 Sta Elev Sta Elev
 5013.3 143.02 5019.59 148.6

Number of Piers = 4

Pier Data

Pier Station Upstream= 4980.1 Downstream= 4980.1
 Upstream num= 2
 Width Elev Width Elev
 1 142.37 1 149.84
 Downstream num= 2
 Width Elev Width Elev

DuplicateEffectiveInput.rep.txt

1 142.27 1 149.74

Pier Data

Pier Station Upstream= 4991.9 Downstream= 4991.9

Upstream num= 2
Width Elev Width Elev
.8 136.14 .8 149.79

Downstream num= 2
Width Elev Width Elev
.8 136.04 .8 149.69

Pier Data

Pier Station Upstream= 5005.5 Downstream= 5005.5

Upstream num= 2
Width Elev Width Elev
.8 138.02 .8 149.75

Downstream num= 2
Width Elev Width Elev
.8 137.92 .8 149.65

Pier Data

Pier Station Upstream= 5018.4 Downstream= 5018.4

Upstream num= 2
Width Elev Width Elev
1 142.8 1 149.7

Downstream num= 2
Width Elev Width Elev
1 142.7 1 149.6

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy

Momentum Cd = 2

Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Pressure and Weir flow

Submerged Inlet Cd =

Submerged Inlet + Outlet Cd = .8

Max Low Cord =

Additional Bridge Parameters

Add Friction component to Momentum

Do not add Weight component to Momentum

Class B flow critical depth computations use critical depth
inside the bridge at the upstream end

Criteria to check for pressure flow = Upstream energy grade line

DuplicateEffectiveInput.rep.txt

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 4192.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 57

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	159.9	4321.2	159.9	4630.4	150.45	4648.5	149.9	4714.7	149.69
4732.3	149.67	4779.7	149.6	4790	148.67	4820.5	145.92	4852.7	145.71
4877.8	145.54	4910.3	144.62	4921.6	144.3	4961.5	144.88	4976	143.49
4976.19	143.48	4976.3	143.48	4976.41	143.47	4978.6	143.37	4978.71	143.36
4978.8	143.36	4986.6	142.99	4986.7	142.89	4989.1	140.59	4991.9	137.18
4995.3	136.01	5001.2	137.43	5005.5	139.07	5009.4	141.12	5013.2	143.01
5013.3	143.02	5018.4	143.77	5019.39	143.72	5019.5	143.72	5019.6	143.71
5020.79	143.65	5020.9	143.65	5021.01	143.64	5024.4	143.48	5030	143.74
5057.1	146.05	5060.2	146.89	5071	147.06	5076	145.91	5077.1	145.84
5087	145.2	5122.5	144.58	5134	146.28	5151.3	148.84	5189.7	148.75
5195.6	148.74	5246.9	152.85	5248.2	152.89	5428.2	157.99	5495.5	159.9
5708.4	169.9	5736.3	169.9						

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4976	.045	5024.4	.13

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 4976 5024.4 378.5 378.5 378.5 .3 .5

Ineffective Flow num= 2
 Sta L Sta R Elev Permanent
 4042.4 4970 149.2 F
 5030 5736.3 148 F

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 3814.0

INPUT

Description: Cross Section SPB-8.0

Station Elevation Data num= 15

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4449.2	170	4656.1	160	4772.8	150	4975.8	143.58	4986.5	143.08
4988.9	140.68	4991.7	137.27	4995.1	136.1	5000	137.28	5001	137.52
5009.2	141.21	5013.1	143.1	5024.2	143.57	5300.9	150	5550.1	160

DuplicateEffectiveInput.rep.txt

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 4449.2 .13 4975.8 .045 5024.2 .13

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 4975.8 5024.2 541 541 541 .1 .3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 3273.0

INPUT

Description: Cross Section SPB-7.0

Station Elevation Data num= 16
 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev
 4321.2 170 4602.1 160 4731.9 150 4975.8 143.71 4986.5 143.21
 4988.9 140.81 4991.7 137.4 4995.1 136.23 5000 137.41 5001 137.65
 5009.2 141.34 5013.1 143.23 5024.2 143.7 5316.6 150 5616.1 160
 5987.4 170

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 4321.2 .13 4975.8 .045 5024.2 .13

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 4975.8 5024.2 589 589 589 .1 .3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 2684.0

INPUT

Description: Cross Section SPB-6.0

Station Elevation Data num= 21
 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev
 3847.9 170 4522.3 160 4659.7 150 4765.8 147.85 4949.89 144.11
 4951.25 142.74 4951.69 140.08 4972.07 140.11 4977.47 139.28 4988.31 138.37
 5000 136.49 5000.75 136.37 5013.41 136.56 5025.31 138.46 5036.21 138.66
 5045.23 139.16 5049.93 142.76 5050.11 143.56 5080.6 144.26 5331.9 150
 5489.5 160

Manning's n Values num= 5
 Sta n Val Sta n Val Sta n Val Sta n Val Sta n Val

DuplicateEffectiveInput.rep.txt

3847.9 .13 4765.8 .18 4949.89 .045 5050.11 .18 5080.6 .13

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
4949.89 5050.11 675 675 675 .1 .3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 2009.0

INPUT

Description: Cross Section SPB-5.0

Station Elevation Data		num=		20					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4526.6	160	4717.2	150	4806	147.22	4899.78	144.28	4902.5	142.91
4903.38	140.25	4944.14	140.28	4954.94	139.45	4976.62	138.54	5000	136.66
5001.5	136.54	5026.82	136.73	5050.62	138.63	5072.42	138.83	5090.46	139.33
5099.86	142.93	5100.22	143.73	5240.2	146.83	5383	150	5610.8	160

Manning's n Values		num=		5					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4526.6	.13	4806	.18	4899.78	.045	5100.22	.18	5240.2	.13

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
4899.78 5100.22 175 175 175 .1 .3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 1834.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data		num=		67					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4203.8	160	4234.1	160	4474.4	160	4495.9	160	4520.6	160
4604.1	152.16	4624.6	150.23	4656.8	147.22	4667.5	146.68	4698.8	145.09
4739.1	144.44	4746.5	144.32	4753.3	142.95	4755.5	140.29	4818.3	140.31
4857.4	140.32	4884.4	139.49	4884.59	139.49	4884.7	139.48	4884.81	139.48
4938.5	138.58	4938.6	138.58	5000.7	136.58	5000.8	136.58	5064	136.77
5064.1	136.77	5123.5	138.67	5123.6	138.67	5178	138.87	5178.1	138.87
5223.1	139.37	5223.2	139.39	5227.49	140.04	5227.6	140.06	5227.71	140.07
5227.79	140.09	5227.9	140.1	5228.01	140.12	5246.7	142.97	5247.6	143.77
5259.9	146.12	5269.89	145.87	5270	145.87	5270.11	145.87	5270.19	145.86
5270.3	145.86	5270.41	145.86	5271.6	145.83	5273.2	145.79	5301.6	144.95
5324.5	146.39	5329.3	146.43	5333.6	146.46	5342	145.75	5343.2	145.65

DuplicateEffectiveInput.rep.txt

5370.4	146.92	5376.99	147.21	5377.1	147.21	5377.21	147.22	5411.4	148.71
5412.4	148.75	5436.8	150	5588.3	157.13	5649.2	160	5712.8	160
5827.8	160	6003.8	160						

Manning's n Values num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4203.8	.12	4234.1	.13	4474.4	.15	4495.9	.13	4746.5	.045
5247.6	.13	5329.3	.12						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4746.5	5247.6		100	100		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4203.8	4736.5	146.4	F
5257.6	6003.8	145.78	F

INLINE STRUCTURE

RIVER: Main Stem

REACH: Reach - 1 RS: 1784.0

INPUT

Description: LIBERTY ST PT2

Structure ID: SPB2

Distance from Upstream XS = 10

Deck/Roadway Width = 80

Weir Coefficient = 3

Weir Embankment Coordinates num = 67

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4203.8	160	4234.1	160.01	4474.4	160.01	4495.9	160.01	4520.6	160.01
4604.1	152.17	4624.6	150.24	4656.8	147.97	4667.5	147.68	4698.8	147.17
4739.1	146.51	4746.5	146.4	4753.3	146.29	4755.5	146.26	4818.3	145.29
4857.4	145.02	4884.4	144.83	4884.59	144.83	4884.7	144.83	4884.81	144.83
4938.5	144.43	4938.6	144.43	5000.7	144.81	5000.8	144.81	5064	144.94
5064.1	144.94	5123.5	145.01	5123.6	145.01	5178	145.58	5178.1	145.58
5223.1	145.59	5223.2	145.59	5227.49	145.67	5227.6	145.67	5227.71	145.67
5227.79	145.65	5227.9	145.65	5228.01	145.65	5246.7	145.77	5247.6	145.78
5259.9	146.13	5269.89	145.93	5270	145.93	5270.11	145.93	5270.19	145.97
5270.3	145.97	5270.41	145.97	5271.6	145.98	5273.2	146	5301.6	146.44
5324.5	146.78	5329.3	146.86	5333.6	146.92	5342	147.05	5343.2	147
5370.4	146.93	5376.99	147.22	5377.1	147.22	5377.21	147.23	5411.4	148.72
5412.4	148.76	5436.8	150.01	5588.3	157.14	5649.2	160.01	5712.8	160.01
5827.8	160.01	6003.8	160						

Upstream Embankment side slope = 1 horiz. to 1.0 vertical

Downstream Embankment side slope = 1 horiz. to 1.0 vertical

Maximum allowable submergence for weir flow = .95

DuplicateEffectiveInput.rep.txt

Elevation at which weir flow begins =
Weir crest shape = Broad Crested

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 1734.0

INPUT

Description: Cross Section FIELD_DS
Located At: LIBERTY ST PT2

Station Elevation Data		num= 23	
Sta	Elev	Sta	Elev
4704.7	147.84	4749.4	146.01
4885.6	141.69	4965.2	142.2
4985.5	138.55	5005.5	137.34
5033.6	141.78	5054.9	141.83
5327	144.98	5410.7	148.26

Manning's n Values		num= 6	
Sta	n Val	Sta	n Val
4704.7	.15	4800.9	.2
5410.7	.12		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4965.2	5033.6		370	370		.1	.3

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 1364.0

INPUT

Description: Cross Section SPB-4.0

Station Elevation Data		num= 19	
Sta	Elev	Sta	Elev
3798.6	160	4448.6	151.42
4967.8	140.1	4970.4	139.35
5006.1	136.52	5018.4	134.44
5055.5	141.01	5327	146.7

Manning's n Values		num= 7	
Sta	n Val	Sta	n Val
3798.6	.12	4448.6	.15
5327	.15	5410.7	.12

DuplicateEffectiveInput.rep.txt

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4965.8	5034.2	375	375	375		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 989.0

INPUT

Description: Cross Section SPB-3.0

Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3716.8	160	4419.3	152.2	4616.9	150	4777	144.09	4886.2	140.06
4965.8	140.57	4967.8	139.29	4970.4	138.54	4976	136.37	4986.1	136.92
5000	136.08	5006.1	135.71	5018.4	133.63	5028.7	136.33	5033.4	139.26
5034.2	140.15	5055.5	140.2	5332.6	146.28	5454	148.94	5502.4	150
5877.1	160								

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3716.8	.12	4419.3	.15	4777	.2	4965.8	.045	5034.2	.2
5332.6	.15	5454	.12						

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4965.8	5034.2	287	287	287		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 702.0

INPUT

Description: Cross Section SPB-2.0

Station Elevation Data num= 21

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3657.4	160	4325	150	4375.8	149.04	4603.8	144.75	4886.2	139.44
4965.8	139.95	4967.8	138.67	4970.4	137.92	4976	135.75	4986.1	136.3
5000	135.46	5006.1	135.09	5018.4	133.01	5028.7	135.71	5033.4	138.64
5034.2	139.53	5055.5	139.58	5476	147.02	5551.2	148.36	5644.1	150
5980.8	160								

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3657.4	.12	4375.8	.15	4603.8	.2	4965.8	.045	5034.2	.2
5476	.15	5551.2	.12						

DuplicateEffectiveInput.rep.txt

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff	Contr.	Expan.
4965.8	5034.2	158 158	158		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 544.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data		num=		64					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3626.5	160.01	4097.5	152.58	4192.3	151.08	4260.3	150.01	4479.3	144.81
4489.7	144.56	4499.2	144.18	4507.5	143.85	4513.2	143.63	4519.2	143.39
4533.8	143.02	4536	142.96	4546.8	142.89	4568.1	142.74	4573.7	142.6
4588.2	142.25	4589.4	141.2	4597.7	138.16	4614.8	136.46	4614.9	136.45
4660.4	132.68	4660.5	132.67	4714.2	134.36	4714.3	134.36	4763.7	134.96
4763.8	134.96	4812.6	134.57	4812.7	134.57	4862.1	134.57	4862.2	134.57
4912.7	134.26	4912.8	134.26	4962.5	133.87	4962.6	133.87	5062.3	133.86
5062.4	133.86	5150	134.56	5150.1	134.56	5243.9	134.76	5244	134.76
5352.5	137.57	5352.6	137.57	5395	139.27	5395.1	139.28	5410.5	141.06
5413.6	141.7	5427.6	141.96	5429.2	141.99	5429.3	141.99	5436.9	142.14
5437	142.14	5437.5	142.15	5437.7	142.15	5451.6	143.56	5464.9	144.18
5472.6	145.52	5474.8	145.56	5504.5	146.09	5507.9	146.15	5738.5	150.01
5854.7	153.57	5978.4	157.37	5986.5	157.62	6064.5	160.01		

Manning's n Values		num=		6					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3626.5	.2	4097.5	.12	4588.2	.045	5413.6	.15	5978.4	.12
5986.5	.2								

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff	Contr.	Expan.
4588.2	5413.6	36 36	36		.3	.5

Ineffective Flow	num=	2
Sta L Sta R Elev	Permanent	
3626.5 4578.2 142.96	F	
5423.6 6064.5 141.99	F	

INLINE STRUCTURE

RIVER: Main Stem

REACH: Reach - 1 RS: 526.0

INPUT

Description: SWAN LAKE POND

DuplicateEffectiveInput.rep.txt

Structure ID: SPB1

Distance from Upstream XS = 10

Deck/Roadway Width = 16

Weir Coefficient = 3

Weir Embankment Coordinates num = 64

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3626.5	160	4097.5	152.57	4192.3	151.08	4260.3	150.01	4479.3	144.81
4489.7	144.56	4499.2	144.18	4507.5	143.85	4513.2	143.63	4519.2	143.39
4533.8	143.02	4536	142.96	4546.8	144	4568.1	144.74	4573.7	144.93
4588.2	144.77	4589.4	144.75	4597.7	144.66	4614.8	144.47	4614.9	144.47
4660.4	144.65	4660.5	144.65	4714.2	144.6	4714.3	144.6	4763.7	144.67
4763.8	144.67	4812.6	144.43	4812.7	144.43	4862.1	144.39	4862.2	144.39
4912.7	144.28	4912.8	144.28	4962.5	144.36	4962.6	144.36	5062.3	144.38
5062.4	144.38	5150	144.5	5150.1	144.5	5243.9	144.45	5244	144.45
5352.5	145.02	5352.6	145.02	5395	144.71	5395.1	144.71	5410.5	144.23
5413.6	144.13	5427.6	143.69	5429.2	142.01	5429.3	141.99	5436.9	142.14
5437	142.14	5437.5	143.51	5437.7	143.5	5451.6	143.56	5464.9	144.18
5472.6	145.52	5474.8	145.56	5504.5	146.09	5507.9	146.15	5738.5	150.01
5854.7	153.57	5978.4	157.36	5986.5	157.61	6064.5	160		

Upstream Embankment side slope = 1.4 horiz. to 1.0 vertical

Downstream Embankment side slope = 1.4 horiz. to 1.0 vertical

Maximum allowable submergence for weir flow = .95

Elevation at which weir flow begins =

Weir crest shape = Broad Crested

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 508.0

INPUT

Description: Cross Section FIELD_DS

Located At: SWAN LAKE POND

Station Elevation Data num= 17

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4838.6	144.66	4844.9	144.44	4863.6	141.83	4897.8	141.53	4911.2	142.64
4953.4	143.76	4992.2	133.29	4992.5	132.45	4994.6	129.48	5002	131.8
5005	131.77	5007.1	134.11	5051.9	135.52	5111.8	137.38	5711	136.86
5763.3	139.11	5804.8	142.15						

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4838.6	.15	4992.2	.045	5007.1	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

4992.2 5007.1 227 227 227 .1 .3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 281.0

INPUT

Description: Cross Section SPB-1.0

Station Elevation Data num= 12

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3920.1	150	4630.4	140	4752.6	137.57	4992.55	132.81	4992.85	131.97
4994.95	129	5000	130.58	5002.35	131.32	5005.35	131.29	5007.45	131.63
5615.9	140	6113.8	150						

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3920.1	.12	4752.6	.15	4992.55	.045	5007.45	.15

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4992.55	5007.45		0	0		.1	.3

SUMMARY OF MANNING'S N VALUES

River:Main Stem

Reach	River Sta.	n1	n2	n3	n4	n5
n6	n7	n8	n9			
Reach - 1	19965.0	.15	.1	.15	.045	
.15	.1	.15	.1	.2		
Reach - 1	19249.0	.1	.15	.045	.15	
.1	.2					
Reach - 1	18610.0	.1	.15	.045	.15	
.1	.2					
Reach - 1	18369.0	.1	.15	.045	.15	
.1	.2					
Reach - 1	18319.0	Culvert				
Reach - 1	18269.0	.1	.15	.045	.15	
.1	.2					
Reach - 1	17365.0	.2	.1	.15	.045	
.15	.1	.2				

DuplicateEffectiveInput.rep.txt

Reach - 1	16746.0	.2	.1	.15	.1
.15 .045	.15 .1	.2			
Reach - 1	16222.0	.2	.1	.15	.045
.15 .1	.2				
Reach - 1	15591.0	.2	.1	.15	.045
.15 .1	.2				
Reach - 1	15001.0	.2	.1	.15	.045
.15 .1	.15 .1	.2			
Reach - 1	14858.5	.1	.15	.045	.15
.12 .2					
Reach - 1	14816.0	Culvert			
Reach - 1	14773.5	.1	.15	.045	.15
.12 .2					
Reach - 1	14639.0	.1	.15	.045	.15
Reach - 1	14477.5	.1	.15	.045	.15
Reach - 1	14464.0	Bridge			
Reach - 1	14450.5	.1	.15	.045	.15
Reach - 1	13865.0	.1	.15	.045	.15
Reach - 1	13344.0	.12	.045	.12	
Reach - 1	13225.0	Culvert			
Reach - 1	13106.0	.12	.045	.12	
Reach - 1	12612.0	.12	.15	.045	.15
.12					
Reach - 1	12135.0	.12	.15	.045	.15
.12					
Reach - 1	11603.0	.12	.15	.045	.15
.12					
Reach - 1	10871.0	.15	.045	.15	.12
Reach - 1	10643.0	.12	.15	.045	.15
.12					
Reach - 1	10491.5	.12	.15	.045	.15
.12					
Reach - 1	10468.0	Bridge			
Reach - 1	10444.5	.12	.15	.045	.15
.12					
Reach - 1	10183.0	.12	.15	.045	.15
.12					

DuplicateEffectiveInput.rep.txt

Reach - 1 .12	9592.0	.12	.12	.15	.045
Reach - 1	9455.5	.2	.12	.045	.12
Reach - 1	9306.0	Culvert			
Reach - 1	9156.5	.2	.12	.045	.12
Reach - 1	8603.0	.11	.12	.045	.12
Reach - 1 .15 .12	7894.0	.11	.12	.045	.12
Reach - 1 .15 .12	7664.0	.12	.11	.15	.045
Reach - 1	7629.0	Bridge			
Reach - 1 .15 .12	7594.0	.12	.11	.15	.045
Reach - 1 .12	7199.0	.12	.15	.045	.15
Reach - 1 .12	6752.0	.12	.15	.045	.15
Reach - 1 .12	6116.0	.12	.15	.045	.15
Reach - 1	5458.0	.12	.15	.045	.12
Reach - 1 .12	5218.0	.12	.15	.045	.15
Reach - 1	5160.0	Culvert			
Reach - 1 .12	5102.0	.12	.15	.045	.15
Reach - 1 .12	4679.0	.12	.15	.045	.15
Reach - 1 .12	4444.0	.12	.15	.045	.15
Reach - 1	4251.5	.13	.045	.13	
Reach - 1	4222.0	Bridge			
Reach - 1	4192.5	.13	.045	.13	
Reach - 1	3814.0	.13	.045	.13	
Reach - 1	3273.0	.13	.045	.13	
Reach - 1 .13	2684.0	.13	.18	.045	.18

DuplicateEffectiveInput.rep.txt

Reach - 1	2009.0	.13	.18	.045	.18
.13					
Reach - 1	1834.0	.12	.13	.15	.13
.045	.13	.12			
Reach - 1	1784.0	Inl Struct			
Reach - 1	1734.0	.15	.2	.045	.2
.15	.12				
Reach - 1	1364.0	.12	.15	.2	.045
.2	.15	.12			
Reach - 1	989.0	.12	.15	.2	.045
.2	.15	.12			
Reach - 1	702.0	.12	.15	.2	.045
.2	.15	.12			
Reach - 1	544.0	.2	.12	.045	.15
.12	.2				
Reach - 1	526.0	Inl Struct			
Reach - 1	508.0	.15	.045	.15	
Reach - 1	281.0	.12	.15	.045	.15

SUMMARY OF REACH LENGTHS

River: Main Stem

Reach	River Sta.	Left	Channel	Right
Reach - 1	19965.0	716	716	716
Reach - 1	19249.0	639	639	639
Reach - 1	18610.0	241	241	241
Reach - 1	18369.0	100	100	100
Reach - 1	18319.0	Culvert		
Reach - 1	18269.0	904	904	904
Reach - 1	17365.0	619	619	619
Reach - 1	16746.0	524	524	524
Reach - 1	16222.0	631	631	631
Reach - 1	15591.0	590	590	590
Reach - 1	15001.0	142.5	142.5	142.5
Reach - 1	14858.5	85	85	85
Reach - 1	14816.0	Culvert		
Reach - 1	14773.5	134.5	134.5	134.5
Reach - 1	14639.0	161.5	161.5	161.5

DuplicateEffectiveInput.rep.txt

Reach - 1	14477.5	27	27	27
Reach - 1	14464.0	Bridge		
Reach - 1	14450.5	585.5	585.5	585.5
Reach - 1	13865.0	521	521	521
Reach - 1	13344.0	238	238	238
Reach - 1	13225.0	Culvert		
Reach - 1	13106.0	494	494	494
Reach - 1	12612.0	477	477	477
Reach - 1	12135.0	532	532	532
Reach - 1	11603.0	732	732	732
Reach - 1	10871.0	228	228	228
Reach - 1	10643.0	151.5	151.5	151.5
Reach - 1	10491.5	47	47	47
Reach - 1	10468.0	Bridge		
Reach - 1	10444.5	261.5	261.5	261.5
Reach - 1	10183.0	591	591	591
Reach - 1	9592.0	136.5	136.5	136.5
Reach - 1	9455.5	299	299	299
Reach - 1	9306.0	Culvert		
Reach - 1	9156.5	553.5	553.5	553.5
Reach - 1	8603.0	709	709	709
Reach - 1	7894.0	230	230	230
Reach - 1	7664.0	70	70	70
Reach - 1	7629.0	Bridge		
Reach - 1	7594.0	395	395	395
Reach - 1	7199.0	447	447	447
Reach - 1	6752.0	636	636	636
Reach - 1	6116.0	658	658	658
Reach - 1	5458.0	240	240	240
Reach - 1	5218.0	116	116	116
Reach - 1	5160.0	Culvert		
Reach - 1	5102.0	423	423	423
Reach - 1	4679.0	235	235	235
Reach - 1	4444.0	192.5	192.5	192.5
Reach - 1	4251.5	59	59	59
Reach - 1	4222.0	Bridge		
Reach - 1	4192.5	378.5	378.5	378.5
Reach - 1	3814.0	541	541	541
Reach - 1	3273.0	589	589	589
Reach - 1	2684.0	675	675	675
Reach - 1	2009.0	175	175	175
Reach - 1	1834.0	100	100	100
Reach - 1	1784.0	Inl Struct		
Reach - 1	1734.0	370	370	370
Reach - 1	1364.0	375	375	375
Reach - 1	989.0	287	287	287
Reach - 1	702.0	158	158	158
Reach - 1	544.0	36	36	36

DuplicateEffectiveInput.rep.txt

Reach - 1	526.0	Inl Struct			
Reach - 1	508.0	227	227	227	
Reach - 1	281.0	0	0	0	

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS

River: Main Stem

Reach	River Sta.	Contr.	Expan.
Reach - 1	19965.0	.1	.3
Reach - 1	19249.0	.1	.3
Reach - 1	18610.0	.1	.3
Reach - 1	18369.0	.3	.5
Reach - 1	18319.0	Culvert	
Reach - 1	18269.0	.3	.5
Reach - 1	17365.0	.1	.3
Reach - 1	16746.0	.1	.3
Reach - 1	16222.0	.1	.3
Reach - 1	15591.0	.1	.3
Reach - 1	15001.0	.1	.3
Reach - 1	14858.5	.3	.5
Reach - 1	14816.0	Culvert	
Reach - 1	14773.5	.3	.5
Reach - 1	14639.0	.1	.3
Reach - 1	14477.5	.3	.5
Reach - 1	14464.0	Bridge	
Reach - 1	14450.5	.3	.5
Reach - 1	13865.0	.1	.3
Reach - 1	13344.0	.3	.5
Reach - 1	13225.0	Culvert	
Reach - 1	13106.0	.3	.5
Reach - 1	12612.0	.1	.3
Reach - 1	12135.0	.1	.3
Reach - 1	11603.0	.1	.3
Reach - 1	10871.0	.1	.3
Reach - 1	10643.0	.1	.3
Reach - 1	10491.5	.3	.5
Reach - 1	10468.0	Bridge	
Reach - 1	10444.5	.3	.5
Reach - 1	10183.0	.1	.3
Reach - 1	9592.0	.1	.3
Reach - 1	9455.5	.3	.5
Reach - 1	9306.0	Culvert	
Reach - 1	9156.5	.3	.5

DuplicateEffectiveInput.rep.txt

Reach - 1	8603.0	.1	.3
Reach - 1	7894.0	.1	.3
Reach - 1	7664.0	.3	.5
Reach - 1	7629.0	Bridge	
Reach - 1	7594.0	.3	.5
Reach - 1	7199.0	.1	.3
Reach - 1	6752.0	.1	.3
Reach - 1	6116.0	.1	.3
Reach - 1	5458.0	.1	.3
Reach - 1	5218.0	.3	.5
Reach - 1	5160.0	Culvert	
Reach - 1	5102.0	.3	.5
Reach - 1	4679.0	.1	.3
Reach - 1	4444.0	.1	.3
Reach - 1	4251.5	.3	.5
Reach - 1	4222.0	Bridge	
Reach - 1	4192.5	.3	.5
Reach - 1	3814.0	.1	.3
Reach - 1	3273.0	.1	.3
Reach - 1	2684.0	.1	.3
Reach - 1	2009.0	.1	.3
Reach - 1	1834.0	.3	.5
Reach - 1	1784.0	Inl Struct	
Reach - 1	1734.0	.1	.3
Reach - 1	1364.0	.1	.3
Reach - 1	989.0	.1	.3
Reach - 1	702.0	.1	.3
Reach - 1	544.0	.3	.5
Reach - 1	526.0	Inl Struct	
Reach - 1	508.0	.1	.3
Reach - 1	281.0	.1	.3

HEC-RAS Plan: Base Plan River: Main Stem Reach: Reach - 1

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	19965.0	10-YEAR	379.00	170.89	174.99	174.34	175.06	0.001763	2.80	465.43	639.99	0.28
Reach - 1	19965.0	50-YEAR	631.00	170.89	175.49	174.81	175.54	0.001445	2.81	845.74	884.75	0.26
Reach - 1	19965.0	100-YEAR	734.00	170.89	175.65	174.89	175.70	0.001375	2.82	996.35	964.67	0.26
Reach - 1	19965.0	500-YEAR	1100.00	170.89	176.11	175.13	176.15	0.001276	2.94	1485.99	1187.88	0.26
Reach - 1	19249.0	10-YEAR	379.00	169.46	174.10	172.82	174.14	0.000959	2.30	653.98	647.44	0.22
Reach - 1	19249.0	50-YEAR	631.00	169.46	174.26	173.44	174.35	0.001916	3.35	766.64	704.75	0.31
Reach - 1	19249.0	100-YEAR	734.00	169.46	174.28	173.63	174.39	0.002510	3.85	778.51	710.52	0.35
Reach - 1	19249.0	500-YEAR	1100.00	169.46	174.45	173.98	174.63	0.004079	5.06	903.01	768.40	0.45
Reach - 1	18610.0	10-YEAR	379.00	168.18	174.11	170.76	174.11	0.000011	0.34	4410.83	2094.75	0.03
Reach - 1	18610.0	50-YEAR	631.00	168.18	174.27	171.10	174.27	0.000025	0.52	4768.47	2178.75	0.04
Reach - 1	18610.0	100-YEAR	734.00	168.18	174.29	171.19	174.29	0.000033	0.60	4808.58	2187.97	0.04
Reach - 1	18610.0	500-YEAR	1100.00	168.18	174.45	171.43	174.45	0.000062	0.83	5156.57	2266.38	0.06
Reach - 1	18369.0	10-YEAR	379.00	167.70	174.06	170.96	174.09	0.000503	1.93	742.80	1104.29	0.16
Reach - 1	18369.0	50-YEAR	631.00	167.70	174.21	171.95	174.25	0.000784	2.46	1161.00	1191.45	0.20
Reach - 1	18369.0	100-YEAR	734.00	167.70	174.20	172.30	174.26	0.001073	2.88	1154.52	1188.23	0.23
Reach - 1	18369.0	500-YEAR	1100.00	167.70	174.28	173.85	174.39	0.002062	4.03	1248.87	1234.29	0.32
Reach - 1	18319.0		Culvert									
Reach - 1	18269.0	10-YEAR	379.00	167.21	172.50	170.47	172.75	0.003097	4.05	145.76	433.12	0.37
Reach - 1	18269.0	50-YEAR	631.00	167.21	172.98	171.46	173.31	0.004147	5.09	334.63	740.55	0.44
Reach - 1	18269.0	100-YEAR	734.00	167.21	173.13	171.81	173.38	0.003582	4.84	565.02	836.12	0.41
Reach - 1	18269.0	500-YEAR	1100.00	167.21	173.53	173.28	173.75	0.003478	5.06	950.84	1082.17	0.41
Reach - 1	17365.0	10-YEAR	379.00	165.82	171.18	169.02	171.23	0.000946	2.43	643.47	916.11	0.21
Reach - 1	17365.0	50-YEAR	631.00	165.82	171.69	170.71	171.73	0.000875	2.53	1207.43	1291.58	0.21
Reach - 1	17365.0	100-YEAR	734.00	165.82	171.85	170.89	171.89	0.000846	2.55	1430.19	1412.66	0.21
Reach - 1	17365.0	500-YEAR	1100.00	165.82	172.31	171.23	172.35	0.000789	2.62	2158.58	1751.06	0.20
Reach - 1	16746.0	10-YEAR	379.00	164.86	170.63	168.06	170.69	0.000839	2.37	749.95	1226.13	0.20
Reach - 1	16746.0	50-YEAR	631.00	164.86	171.32	169.01	171.34	0.000457	1.93	1755.06	1675.79	0.15
Reach - 1	16746.0	100-YEAR	734.00	164.86	171.51	169.33	171.53	0.000419	1.89	2083.12	1798.38	0.15
Reach - 1	16746.0	500-YEAR	1100.00	164.86	172.01	170.71	172.02	0.000363	1.87	3056.74	2120.00	0.14
Reach - 1	16222.0	10-YEAR	379.00	164.05	170.27	167.00	170.33	0.000553	2.07	319.74	361.48	0.17
Reach - 1	16222.0	50-YEAR	631.00	164.05	170.98	167.73	171.06	0.000637	2.44	759.49	870.79	0.19
Reach - 1	16222.0	100-YEAR	734.00	164.05	171.18	167.97	171.25	0.000654	2.54	943.21	1010.18	0.19
Reach - 1	16222.0	500-YEAR	1100.00	164.05	171.69	168.72	171.76	0.000694	2.77	1549.71	1373.34	0.20
Reach - 1	15591.0	10-YEAR	379.00	163.07	170.04	166.02	170.08	0.000285	1.64	471.53	336.10	0.13
Reach - 1	15591.0	50-YEAR	631.00	163.07	170.67	166.75	170.72	0.000433	2.18	814.79	769.71	0.16
Reach - 1	15591.0	100-YEAR	734.00	163.07	170.83	166.99	170.90	0.000482	2.34	953.54	886.83	0.17
Reach - 1	15591.0	500-YEAR	1100.00	163.07	171.25	167.75	171.33	0.000646	2.84	1388.44	1180.90	0.20
Reach - 1	15001.0	10-YEAR	379.00	162.16	169.93	165.12	169.95	0.000158	1.34	657.89	329.54	0.10
Reach - 1	15001.0	50-YEAR	631.00	162.16	170.46	165.84	170.51	0.000306	1.98	946.09	734.18	0.14
Reach - 1	15001.0	100-YEAR	734.00	162.16	170.59	166.09	170.65	0.000361	2.18	1050.73	824.43	0.15
Reach - 1	15001.0	500-YEAR	1100.00	162.16	170.87	166.85	170.97	0.000603	2.89	1308.10	1012.83	0.19
Reach - 1	14858.5	10-YEAR	379.00	161.94	169.92	164.91	169.93	0.000117	1.18	762.73	347.51	0.08
Reach - 1	14858.5	50-YEAR	631.00	161.94	170.43	165.62	170.46	0.000256	1.84	938.22	522.90	0.12
Reach - 1	14858.5	100-YEAR	734.00	161.94	170.55	165.86	170.60	0.000322	2.09	995.21	572.57	0.14
Reach - 1	14858.5	500-YEAR	1100.00	161.94	170.77	166.63	170.88	0.000628	2.98	1114.29	663.36	0.20
Reach - 1	14816.0		Culvert									
Reach - 1	14773.5	10-YEAR	379.00	161.76	166.52	164.73	166.68	0.002289	3.24	121.09	128.41	0.33
Reach - 1	14773.5	50-YEAR	631.00	161.76	167.50	165.44	167.69	0.002049	3.69	295.76	222.30	0.32
Reach - 1	14773.5	100-YEAR	734.00	161.76	167.68	165.70	167.90	0.002304	4.03	328.13	228.69	0.35
Reach - 1	14773.5	500-YEAR	1100.00	161.76	168.22	166.45	168.55	0.003079	5.04	430.53	247.98	0.41
Reach - 1	14639.0	10-YEAR	379.00	161.14	166.23	164.32	166.40	0.001940	3.65	250.74	185.67	0.32
Reach - 1	14639.0	50-YEAR	631.00	161.14	167.25	165.46	167.42	0.001774	4.04	483.92	271.33	0.31
Reach - 1	14639.0	100-YEAR	734.00	161.14	167.39	165.78	167.60	0.002085	4.46	522.77	283.09	0.34
Reach - 1	14639.0	500-YEAR	1100.00	161.14	167.81	166.54	168.12	0.003125	5.74	648.35	318.15	0.42
Reach - 1	14477.5	10-YEAR	379.00	160.39	166.23	163.59	166.25	0.000313	1.64	905.73	487.39	0.13
Reach - 1	14477.5	50-YEAR	631.00	160.39	167.27	164.52	167.29	0.000261	1.70	1471.88	601.23	0.12
Reach - 1	14477.5	100-YEAR	734.00	160.39	167.42	164.81	167.44	0.000305	1.87	1560.63	617.17	0.13
Reach - 1	14477.5	500-YEAR	1100.00	160.39	167.86	165.72	167.89	0.000448	2.37	1843.03	665.34	0.16
Reach - 1	14464.0		Bridge									
Reach - 1	14450.5	10-YEAR	379.00	160.11	165.93	163.31	165.95	0.000321	1.65	896.35	485.12	0.13
Reach - 1	14450.5	50-YEAR	631.00	160.11	167.01	164.20	167.02	0.000257	1.69	1480.52	602.80	0.12
Reach - 1	14450.5	100-YEAR	734.00	160.11	167.21	164.50	167.23	0.000284	1.82	1605.25	625.03	0.13
Reach - 1	14450.5	500-YEAR	1100.00	160.11	167.71	165.44	167.74	0.000396	2.26	1934.38	680.20	0.15

HEC-RAS Plan: Base Plan River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	13865.0	10-YEAR	379.00	158.90	165.68	162.45	165.72	0.000448	2.15	665.72	354.06	0.16
Reach - 1	13865.0	50-YEAR	631.00	158.90	166.78	163.64	166.82	0.000440	2.38	1116.29	467.46	0.16
Reach - 1	13865.0	100-YEAR	734.00	158.90	166.95	163.96	167.00	0.000513	2.62	1198.09	485.22	0.17
Reach - 1	13865.0	500-YEAR	1100.00	158.90	167.32	164.72	167.39	0.000847	3.47	1382.26	522.99	0.22
Reach - 1	13344.0	10-YEAR	379.00	157.83	165.34	161.39	165.44	0.000645	2.78	193.96	430.69	0.19
Reach - 1	13344.0	50-YEAR	631.00	157.83	166.61	162.25	166.64	0.000264	2.00	940.36	463.59	0.13
Reach - 1	13344.0	100-YEAR	734.00	157.83	166.75	162.56	166.79	0.000325	2.25	976.05	467.11	0.14
Reach - 1	13344.0	500-YEAR	1100.00	157.83	167.19	163.48	167.20	0.000173	1.70	2118.62	478.52	0.10
Reach - 1	13225.0	Culvert										
Reach - 1	13106.0	10-YEAR	379.00	157.66	162.49	161.21	162.85	0.004402	5.13	100.04	239.76	0.46
Reach - 1	13106.0	50-YEAR	631.00	157.66	163.38	162.09	163.82	0.004618	6.03	226.59	346.68	0.48
Reach - 1	13106.0	100-YEAR	734.00	157.66	163.68	162.38	164.14	0.004704	6.33	283.02	382.48	0.49
Reach - 1	13106.0	500-YEAR	1100.00	157.66	164.48	163.51	164.91	0.004322	6.69	459.87	412.88	0.49
Reach - 1	12612.0	10-YEAR	379.00	155.49	161.31	159.29	161.42	0.001748	2.82	214.32	154.37	0.28
Reach - 1	12612.0	50-YEAR	631.00	155.49	162.08	160.18	162.24	0.002004	3.48	355.38	210.93	0.31
Reach - 1	12612.0	100-YEAR	734.00	155.49	162.31	160.44	162.49	0.002135	3.73	405.73	227.74	0.32
Reach - 1	12612.0	500-YEAR	1100.00	155.49	162.92	161.18	163.17	0.002668	4.56	556.91	272.05	0.37
Reach - 1	12135.0	10-YEAR	648.00	153.40	159.77	158.07	160.04	0.004136	4.47	245.19	186.61	0.43
Reach - 1	12135.0	50-YEAR	1033.00	153.40	160.47	159.27	160.77	0.004151	5.08	526.13	455.87	0.44
Reach - 1	12135.0	100-YEAR	1201.00	153.40	160.75	159.58	161.04	0.003860	5.12	656.82	468.10	0.43
Reach - 1	12135.0	500-YEAR	1700.00	153.40	161.57	160.49	161.80	0.002960	5.03	1056.12	503.63	0.39
Reach - 1	11603.0	10-YEAR	648.00	151.06	157.17	155.72	157.52	0.005422	4.97	203.42	130.05	0.49
Reach - 1	11603.0	50-YEAR	1033.00	151.06	158.67	156.91	158.93	0.002889	4.61	494.57	265.89	0.38
Reach - 1	11603.0	100-YEAR	1201.00	151.06	159.14	157.25	159.39	0.002528	4.60	630.71	311.29	0.36
Reach - 1	11603.0	500-YEAR	1700.00	151.06	160.39	157.94	160.59	0.001785	4.47	1090.00	418.92	0.31
Reach - 1	10871.0	10-YEAR	648.00	147.85	155.64	152.05	155.78	0.001262	3.01	215.27	49.76	0.26
Reach - 1	10871.0	50-YEAR	1033.00	147.85	157.50	153.05	157.66	0.001110	3.25	318.18	64.15	0.25
Reach - 1	10871.0	100-YEAR	1201.00	147.85	157.98	153.42	158.17	0.001151	3.47	351.31	72.83	0.25
Reach - 1	10871.0	500-YEAR	1700.00	147.85	159.27	154.36	159.51	0.001225	3.96	459.65	95.90	0.27
Reach - 1	10643.0	10-YEAR	744.00	146.85	155.38	151.32	155.51	0.001072	2.93	253.73	53.92	0.24
Reach - 1	10643.0	50-YEAR	1169.00	146.85	157.27	152.35	157.43	0.000938	3.21	373.07	78.02	0.23
Reach - 1	10643.0	100-YEAR	1363.00	146.85	157.74	152.75	157.92	0.001010	3.46	411.53	86.42	0.24
Reach - 1	10643.0	500-YEAR	1950.00	146.85	158.98	153.76	159.24	0.001154	4.08	551.66	225.52	0.27
Reach - 1	10491.5	10-YEAR	744.00	146.18	155.26	150.66	155.37	0.000791	2.62	284.26	57.01	0.21
Reach - 1	10491.5	50-YEAR	1169.00	146.18	157.17	151.68	157.30	0.000711	2.93	402.94	275.67	0.20
Reach - 1	10491.5	100-YEAR	1363.00	146.18	157.63	152.08	157.78	0.000767	3.18	432.78	327.89	0.21
Reach - 1	10491.5	500-YEAR	1950.00	146.18	158.92	153.10	159.08	0.000693	3.33	1198.66	492.12	0.21
Reach - 1	10468.0	Bridge										
Reach - 1	10444.5	10-YEAR	744.00	146.01	154.99	150.49	155.10	0.000836	2.67	278.39	56.43	0.21
Reach - 1	10444.5	50-YEAR	1169.00	146.01	156.86	151.50	157.00	0.000761	2.99	394.03	260.02	0.21
Reach - 1	10444.5	100-YEAR	1363.00	146.01	157.26	151.90	157.43	0.000845	3.28	420.01	305.62	0.22
Reach - 1	10444.5	500-YEAR	1950.00	146.01	158.30	152.94	158.49	0.000906	3.67	987.26	447.76	0.24
Reach - 1	10183.0	10-YEAR	744.00	145.93	154.84	150.71	154.91	0.000499	2.87	900.38	278.82	0.18
Reach - 1	10183.0	50-YEAR	1169.00	145.93	156.76	151.82	156.82	0.000404	2.96	1517.58	365.68	0.16
Reach - 1	10183.0	100-YEAR	1363.00	145.93	157.15	152.22	157.22	0.000447	3.19	1665.42	383.58	0.17
Reach - 1	10183.0	500-YEAR	1950.00	145.93	158.17	153.09	158.26	0.000554	3.78	2079.79	429.79	0.20
Reach - 1	9592.0	10-YEAR	744.00	145.77	154.51	150.54	154.59	0.000585	3.06	754.10	234.39	0.19
Reach - 1	9592.0	50-YEAR	1169.00	145.77	156.49	151.65	156.56	0.000456	3.12	1295.15	310.94	0.17
Reach - 1	9592.0	100-YEAR	1363.00	145.77	156.85	152.06	156.94	0.000513	3.39	1410.31	324.91	0.18
Reach - 1	9592.0	500-YEAR	1950.00	145.77	157.80	152.98	157.91	0.000638	4.01	1735.45	361.43	0.21
Reach - 1	9455.5	10-YEAR	744.00	145.73	154.12	150.26	154.44	0.001592	4.90	215.67	40.71	0.31
Reach - 1	9455.5	50-YEAR	1169.00	145.73	155.92	151.54	156.41	0.001878	6.11	383.82	208.89	0.35
Reach - 1	9455.5	100-YEAR	1363.00	145.73	156.17	152.02	156.76	0.002224	6.77	430.99	231.34	0.38
Reach - 1	9455.5	500-YEAR	1950.00	145.73	156.81	153.35	157.67	0.003182	8.45	644.81	305.99	0.46
Reach - 1	9306.0	Culvert										
Reach - 1	9156.5	10-YEAR	744.00	145.58	152.78	150.11	153.27	0.002898	5.92	172.42	37.33	0.41
Reach - 1	9156.5	50-YEAR	1169.00	145.58	154.18	151.39	154.94	0.003565	7.47	223.66	41.32	0.47
Reach - 1	9156.5	100-YEAR	1363.00	145.58	154.70	151.88	155.63	0.003993	8.24	244.47	56.99	0.50
Reach - 1	9156.5	500-YEAR	1950.00	145.58	156.75	153.20	157.56	0.003000	8.25	673.10	314.37	0.45
Reach - 1	8603.0	10-YEAR	744.00	143.86	151.86	148.49	152.08	0.001345	4.36	402.64	169.91	0.28
Reach - 1	8603.0	50-YEAR	1169.00	143.86	153.41	149.75	153.61	0.001172	4.61	730.82	255.01	0.27
Reach - 1	8603.0	100-YEAR	1363.00	143.86	154.05	149.90	154.23	0.001059	4.59	905.71	290.34	0.26

HEC-RAS Plan: Base Plan River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	8603.0	500-YEAR	1950.00	143.86	156.53	151.74	156.62	0.000525	3.77	1795.23	426.97	0.19
Reach - 1	7894.0	10-YEAR	1092.00	141.66	151.24	147.50	151.34	0.000825	2.95	981.24	602.13	0.22
Reach - 1	7894.0	50-YEAR	1704.00	141.66	153.12	148.72	153.17	0.000382	2.42	2199.51	696.56	0.15
Reach - 1	7894.0	100-YEAR	2000.00	141.66	153.81	149.14	153.85	0.000323	2.35	2691.17	731.22	0.14
Reach - 1	7894.0	500-YEAR	2900.00	141.66	156.41	150.99	156.44	0.000158	1.97	4766.23	862.30	0.10
Reach - 1	7664.0	10-YEAR	1092.00	140.94	150.75	146.77	151.04	0.002008	4.37	250.89	49.88	0.33
Reach - 1	7664.0	50-YEAR	1704.00	140.94	152.56	148.15	152.96	0.002033	5.07	347.96	72.65	0.34
Reach - 1	7664.0	100-YEAR	2000.00	140.94	153.20	148.71	153.66	0.002084	5.45	383.84	81.89	0.35
Reach - 1	7664.0	500-YEAR	2900.00	140.94	156.04	150.16	156.33	0.001058	4.80	1362.43	582.27	0.26
Reach - 1	7629.0	Bridge										
Reach - 1	7594.0	10-YEAR	1092.00	140.72	150.09	146.55	150.44	0.002544	4.73	230.65	43.63	0.36
Reach - 1	7594.0	50-YEAR	1704.00	140.72	151.82	147.94	152.29	0.002565	5.49	319.53	66.12	0.38
Reach - 1	7594.0	100-YEAR	2000.00	140.72	152.39	148.50	152.93	0.002743	5.92	350.33	73.27	0.39
Reach - 1	7594.0	500-YEAR	2900.00	140.72	153.59	149.94	154.38	0.003310	7.23	463.67	90.74	0.44
Reach - 1	7199.0	10-YEAR	1092.00	139.99	149.53	144.50	149.71	0.001149	3.36	350.18	111.95	0.25
Reach - 1	7199.0	50-YEAR	1704.00	139.99	151.37	145.73	151.56	0.000981	3.67	748.35	291.42	0.24
Reach - 1	7199.0	100-YEAR	2000.00	139.99	151.95	146.26	152.16	0.000974	3.85	924.22	313.87	0.24
Reach - 1	7199.0	500-YEAR	2900.00	139.99	153.16	147.59	153.42	0.001093	4.48	1331.27	360.53	0.26
Reach - 1	6752.0	10-YEAR	1092.00	139.17	149.10	143.68	149.25	0.000892	3.07	467.11	234.14	0.22
Reach - 1	6752.0	50-YEAR	1704.00	139.17	151.11	144.91	151.21	0.000558	2.91	1339.69	543.39	0.18
Reach - 1	6752.0	100-YEAR	2000.00	139.17	151.72	145.44	151.82	0.000514	2.93	1676.48	562.25	0.18
Reach - 1	6752.0	500-YEAR	2900.00	139.17	152.94	146.77	153.04	0.000522	3.23	2386.51	600.05	0.18
Reach - 1	6116.0	10-YEAR	1092.00	138.00	148.67	142.51	148.78	0.000597	2.67	569.53	252.30	0.18
Reach - 1	6116.0	50-YEAR	1704.00	138.00	150.83	143.74	150.91	0.000380	2.58	1558.19	591.20	0.15
Reach - 1	6116.0	100-YEAR	2000.00	138.00	151.46	144.27	151.54	0.000357	2.62	1943.14	636.56	0.15
Reach - 1	6116.0	500-YEAR	2900.00	138.00	152.67	145.60	152.76	0.000381	2.93	2765.99	724.07	0.16
Reach - 1	5458.0	10-YEAR	1092.00	136.78	148.43	141.29	148.49	0.000301	2.08	1031.19	477.10	0.13
Reach - 1	5458.0	50-YEAR	1704.00	136.78	150.70	142.52	150.74	0.000174	1.89	2519.46	771.00	0.11
Reach - 1	5458.0	100-YEAR	2000.00	136.78	151.34	143.05	151.37	0.000164	1.91	3017.42	796.15	0.10
Reach - 1	5458.0	500-YEAR	2900.00	136.78	152.54	144.38	152.57	0.000183	2.17	3999.13	843.53	0.11
Reach - 1	5218.0	10-YEAR	1092.00	136.34	148.34	140.76	148.42	0.000286	2.30	505.32	294.02	0.14
Reach - 1	5218.0	50-YEAR	1704.00	136.34	150.55	141.97	150.67	0.000327	2.85	659.48	531.15	0.15
Reach - 1	5218.0	100-YEAR	2000.00	136.34	151.15	142.47	151.30	0.000376	3.17	701.53	726.28	0.16
Reach - 1	5218.0	500-YEAR	2900.00	136.34	152.42	143.94	152.51	0.000289	2.97	2953.51	903.23	0.14
Reach - 1	5160.0	Culvert										
Reach - 1	5102.0	10-YEAR	1092.00	136.21	148.09	140.62	148.18	0.000299	2.33	497.71	288.37	0.14
Reach - 1	5102.0	50-YEAR	1704.00	136.21	149.88	141.84	150.02	0.000388	3.00	621.69	394.93	0.16
Reach - 1	5102.0	100-YEAR	2000.00	136.21	150.21	142.34	150.39	0.000481	3.41	644.77	477.32	0.18
Reach - 1	5102.0	500-YEAR	2900.00	136.21	151.40	143.81	151.55	0.000450	3.54	2176.05	851.67	0.18
Reach - 1	4679.0	10-YEAR	1092.00	136.16	147.94	142.88	148.01	0.000468	2.44	1134.44	421.88	0.16
Reach - 1	4679.0	50-YEAR	1704.00	136.16	149.76	144.68	149.82	0.000356	2.49	2045.49	579.45	0.15
Reach - 1	4679.0	100-YEAR	2000.00	136.16	150.08	145.10	150.15	0.000406	2.72	2232.23	602.21	0.16
Reach - 1	4679.0	500-YEAR	2900.00	136.16	151.25	146.14	151.33	0.000442	3.08	2957.35	635.54	0.17
Reach - 1	4444.0	10-YEAR	1092.00	136.13	147.83	142.85	147.90	0.000491	2.48	1115.90	422.54	0.17
Reach - 1	4444.0	50-YEAR	1704.00	136.13	149.68	144.65	149.74	0.000354	2.47	2050.41	586.56	0.15
Reach - 1	4444.0	100-YEAR	2000.00	136.13	149.98	145.08	150.05	0.000408	2.72	2231.99	613.35	0.16
Reach - 1	4444.0	500-YEAR	2900.00	136.13	151.15	146.10	151.22	0.000443	3.07	2973.87	660.98	0.17
Reach - 1	4251.5	10-YEAR	1092.00	136.11	147.60	142.68	147.76	0.000917	3.32	362.16	339.23	0.23
Reach - 1	4251.5	50-YEAR	1704.00	136.11	149.50	144.45	149.64	0.000662	3.34	957.68	421.90	0.20
Reach - 1	4251.5	100-YEAR	2000.00	136.11	149.76	144.83	149.93	0.000798	3.74	1019.19	468.14	0.22
Reach - 1	4251.5	500-YEAR	2900.00	136.11	151.03	145.85	151.13	0.000543	3.37	2501.73	608.03	0.19
Reach - 1	4222.0	Bridge										
Reach - 1	4192.5	10-YEAR	1092.00	136.01	147.20	142.59	147.38	0.001077	3.48	344.09	333.85	0.25
Reach - 1	4192.5	50-YEAR	1704.00	136.01	148.18	144.35	148.39	0.001203	4.06	707.65	351.33	0.27
Reach - 1	4192.5	100-YEAR	2000.00	136.01	148.59	144.73	148.84	0.001320	4.41	781.18	358.69	0.28
Reach - 1	4192.5	500-YEAR	2900.00	136.01	149.66	145.74	149.84	0.001045	4.28	1777.83	469.25	0.26
Reach - 1	3814.0	10-YEAR	1092.00	136.10	146.84	142.73	146.97	0.000970	3.16	680.98	292.00	0.23
Reach - 1	3814.0	50-YEAR	1704.00	136.10	147.73	144.52	147.91	0.001237	3.92	971.68	358.70	0.27
Reach - 1	3814.0	100-YEAR	2000.00	136.10	148.11	144.96	148.31	0.001315	4.20	1114.46	387.28	0.28
Reach - 1	3814.0	500-YEAR	2900.00	136.10	149.11	146.00	149.36	0.001474	4.85	1538.76	461.88	0.30
Reach - 1	3273.0	10-YEAR	1092.00	136.23	145.98	142.86	146.21	0.002084	4.10	456.67	242.38	0.33
Reach - 1	3273.0	50-YEAR	1704.00	136.23	146.42	144.67	146.84	0.003494	5.62	570.94	279.67	0.43

HEC-RAS Plan: Base Plan River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	3273.0	100-YEAR	2000.00	136.23	146.63	145.12	147.13	0.004035	6.20	632.87	297.94	0.46
Reach - 1	3273.0	500-YEAR	2900.00	136.23	147.28	146.12	147.96	0.005133	7.52	841.57	352.60	0.53
Reach - 1	2684.0	10-YEAR	1092.00	136.37	145.90	139.86	145.93	0.000151	1.47	924.26	290.56	0.10
Reach - 1	2684.0	50-YEAR	1704.00	136.37	146.22	140.60	146.30	0.000313	2.18	1023.61	320.79	0.14
Reach - 1	2684.0	100-YEAR	2000.00	136.37	146.37	140.85	146.46	0.000402	2.50	1071.08	334.27	0.16
Reach - 1	2684.0	500-YEAR	2900.00	136.37	146.75	141.52	146.93	0.000702	3.41	1205.95	369.90	0.21
Reach - 1	2009.0	10-YEAR	1092.00	136.54	145.87	139.25	145.88	0.000041	0.77	1555.01	347.64	0.05
Reach - 1	2009.0	50-YEAR	1704.00	136.54	146.16	139.72	146.18	0.000087	1.15	1659.61	370.10	0.07
Reach - 1	2009.0	100-YEAR	2000.00	136.54	146.29	139.91	146.31	0.000113	1.32	1707.00	379.84	0.09
Reach - 1	2009.0	500-YEAR	2900.00	136.54	146.60	140.57	146.66	0.000205	1.83	1831.63	404.33	0.12
Reach - 1	1834.0	10-YEAR	1092.00	136.58	145.87	138.28	145.87	0.000007	0.31	3558.34	628.94	0.02
Reach - 1	1834.0	50-YEAR	1704.00	136.58	146.17	138.77	146.17	0.000014	0.46	3732.49	660.52	0.03
Reach - 1	1834.0	100-YEAR	2000.00	136.58	146.30	138.97	146.30	0.000018	0.54	3810.35	669.38	0.03
Reach - 1	1834.0	500-YEAR	2900.00	136.58	146.62	139.37	146.63	0.000033	0.74	4105.33	695.38	0.05
Reach - 1	1784.0		Ini Struct									
Reach - 1	1734.0	10-YEAR	1092.00	135.26	145.00	139.71	145.04	0.000204	1.69	1804.17	566.66	0.11
Reach - 1	1734.0	50-YEAR	1704.00	135.26	145.36	140.48	145.42	0.000395	2.43	2007.74	579.78	0.16
Reach - 1	1734.0	100-YEAR	2000.00	135.26	145.52	140.84	145.61	0.000491	2.75	2104.12	585.89	0.18
Reach - 1	1734.0	500-YEAR	2900.00	135.26	146.05	142.06	146.19	0.000755	3.57	2419.16	605.97	0.22
Reach - 1	1364.0	10-YEAR	1092.00	134.44	144.92	138.89	144.96	0.000188	1.74	1423.59	469.93	0.11
Reach - 1	1364.0	50-YEAR	1704.00	134.44	145.19	139.66	145.28	0.000395	2.59	1552.07	494.01	0.16
Reach - 1	1364.0	100-YEAR	2000.00	134.44	145.30	140.03	145.42	0.000512	2.97	1609.80	504.45	0.18
Reach - 1	1364.0	500-YEAR	2900.00	134.44	145.67	140.96	145.88	0.000886	4.03	1802.14	537.79	0.24
Reach - 1	989.0	10-YEAR	1092.00	133.63	144.88	138.08	144.90	0.000122	1.49	1861.47	512.85	0.09
Reach - 1	989.0	50-YEAR	1704.00	133.63	145.09	138.85	145.15	0.000267	2.24	1971.37	528.19	0.13
Reach - 1	989.0	100-YEAR	2000.00	133.63	145.17	139.21	145.25	0.000353	2.59	2015.46	534.22	0.15
Reach - 1	989.0	500-YEAR	2900.00	133.63	145.42	140.08	145.58	0.000654	3.59	2154.21	552.77	0.21
Reach - 1	702.0	10-YEAR	1092.00	133.01	144.85	137.46	144.87	0.000081	1.27	2715.64	755.25	0.07
Reach - 1	702.0	50-YEAR	1704.00	133.01	145.04	138.24	145.08	0.000179	1.91	2857.40	775.56	0.11
Reach - 1	702.0	100-YEAR	2000.00	133.01	145.11	138.59	145.16	0.000238	2.22	2909.94	782.95	0.13
Reach - 1	702.0	500-YEAR	2900.00	133.01	145.31	139.46	145.41	0.000452	3.10	3068.03	804.79	0.18
Reach - 1	544.0	10-YEAR	1092.00	132.67	144.87	134.68	144.87	0.000001	0.13	8407.52	991.89	0.01
Reach - 1	544.0	50-YEAR	1704.00	132.67	145.07	134.87	145.07	0.000002	0.20	8607.13	1001.47	0.01
Reach - 1	544.0	100-YEAR	2000.00	132.67	145.14	134.96	145.14	0.000002	0.24	8683.92	1005.13	0.01
Reach - 1	544.0	500-YEAR	2900.00	132.67	145.38	135.15	145.38	0.000005	0.34	8919.01	1016.27	0.02
Reach - 1	526.0		Ini Struct									
Reach - 1	508.0	10-YEAR	1092.00	129.48	137.20	137.20	138.24	0.009978	9.37	339.00	533.24	0.68
Reach - 1	508.0	50-YEAR	1704.00	129.48	138.10	138.10	138.69	0.006915	8.56	994.21	765.40	0.58
Reach - 1	508.0	100-YEAR	2000.00	129.48	138.23	138.23	138.87	0.007830	9.23	1091.60	768.82	0.62
Reach - 1	508.0	500-YEAR	2900.00	129.48	138.79	138.62	139.32	0.007513	9.52	1530.11	784.04	0.61
Reach - 1	281.0	10-YEAR	1092.00	129.00	136.17	134.43	136.26	0.002000	4.15	1115.82	514.32	0.31
Reach - 1	281.0	50-YEAR	1704.00	129.00	137.07	135.02	137.16	0.002001	4.59	1629.55	625.31	0.32
Reach - 1	281.0	100-YEAR	2000.00	129.00	137.43	135.24	137.52	0.002002	4.76	1862.43	669.59	0.32
Reach - 1	281.0	500-YEAR	2900.00	129.00	138.30	135.80	138.40	0.002001	5.16	2493.74	776.95	0.33

HEC-RAS Plan: FWAY River: Main Stem Reach: Reach - 1

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach - 1	19965.0	100-YEAR	175.65		175.70	964.67	80.72	251.70	401.58		4987.80	5012.20	
Reach - 1	19965.0	FWAY	176.54	0.88	176.63	172.93		370.87	363.13	4987.80	4987.80	5012.20	5160.73
Reach - 1	19249.0	100-YEAR	174.28		174.39	710.52	48.55	349.12	336.33		4987.80	5012.20	
Reach - 1	19249.0	FWAY	175.32	1.04	175.44	160.00	32.85	427.09	274.06	4970.00	4987.80	5012.20	5130.00
Reach - 1	18610.0	100-YEAR	174.29		174.29	2187.97	87.19	81.83	564.98		4987.80	5012.20	
Reach - 1	18610.0	FWAY	175.21	0.92	175.22	330.00	25.53	202.18	506.29	4970.00	4987.80	5012.20	5300.00
Reach - 1	18369.0	100-YEAR	174.20		174.26	1188.23	103.59	345.09	285.32		4990.50	5014.90	
Reach - 1	18369.0	FWAY	174.97	0.77	175.13	165.00	33.29	519.82	180.89	4965.00	4990.50	5014.90	5130.00
Reach - 1	18319.0		Culvert										
Reach - 1	18269.0	100-YEAR	173.13		173.38	836.12	67.16	511.24	155.60		4990.50	5014.90	
Reach - 1	18269.0	FWAY	174.07	0.94	174.28	165.00	28.17	548.90	156.93	4965.00	4990.50	5014.90	5130.00
Reach - 1	17365.0	100-YEAR	171.85		171.89	1412.66	156.45	291.07	286.47		4987.80	5012.20	
Reach - 1	17365.0	FWAY	172.86	1.01	172.95	200.00	144.75	435.57	153.68	4900.00	4987.80	5012.20	5100.00
Reach - 1	16746.0	100-YEAR	171.51		171.53	1798.38	106.21	241.85	385.94		4987.80	5012.20	
Reach - 1	16746.0	FWAY	172.41	0.90	172.47	350.00	90.43	380.24	263.33	4900.00	4987.80	5012.20	5250.00
Reach - 1	16222.0	100-YEAR	171.18		171.25	1010.18	66.39	524.21	143.40		4981.00	5019.00	
Reach - 1	16222.0	FWAY	172.05	0.87	172.15	100.00	20.70	641.76	71.54	4965.00	4981.00	5019.00	5065.00
Reach - 1	15591.0	100-YEAR	170.83		170.90	886.83	110.11	540.75	83.13		4981.00	5019.00	
Reach - 1	15591.0	FWAY	171.74	0.91	171.82	90.00	44.75	649.41	39.84	4950.00	4981.00	5019.00	5040.00
Reach - 1	15001.0	100-YEAR	170.59		170.65	824.43	75.60	557.25	101.15		4981.00	5019.00	
Reach - 1	15001.0	FWAY	171.52	0.92	171.59	70.00	20.01	669.16	44.83	4970.00	4981.00	5019.00	5040.00
Reach - 1	14858.5	100-YEAR	170.55		170.60	485.45	16.40	549.60	168.00		4990.00	5028.00	
Reach - 1	14858.5	FWAY	171.52	0.97	171.55	170.00	13.96	500.12	219.93	4980.00	4990.00	5028.00	5150.00
Reach - 1	14816.0		Culvert										
Reach - 1	14773.5	100-YEAR	167.68		167.90	183.01	5.71	646.27	82.02		4990.00	5028.00	
Reach - 1	14773.5	FWAY	168.43	0.75	168.56	170.00	8.77	596.51	128.72	4980.00	4990.00	5028.00	5150.00
Reach - 1	14639.0	100-YEAR	167.39		167.60	283.09	97.37	479.05	157.58		4989.85	5010.15	
Reach - 1	14639.0	FWAY	168.17	0.78	168.36	100.00	33.15	511.10	189.75	4980.00	4989.85	5010.15	5080.00
Reach - 1	14477.5	100-YEAR	167.42		167.44	617.17	408.75	229.70	95.56		4989.50	5009.80	
Reach - 1	14477.5	FWAY	168.20	0.78	168.23	265.00	393.06	268.84	72.11	4785.00	4989.50	5009.80	5050.00
Reach - 1	14464.0 BR U	100-YEAR	167.30		167.40	423.18	407.26	243.34	83.40		4989.50	5009.80	
Reach - 1	14464.0 BR U	FWAY	168.17	0.87	168.21	217.05	513.46	158.54	62.00	4785.00	4989.50	5009.80	5050.00
Reach - 1	14464.0 BR D	100-YEAR	167.15		167.30	401.30	376.73	282.04	75.24		4989.50	5009.80	
Reach - 1	14464.0 BR D	FWAY	168.14	0.99	168.18	217.05	510.76	161.48	61.75	4785.00	4989.50	5009.80	5050.00
Reach - 1	14450.5	100-YEAR	167.21		167.23	625.03	411.99	226.03	95.98		4989.50	5009.80	
Reach - 1	14450.5	FWAY	168.14	0.93	168.16	265.00	397.16	264.10	72.74	4785.00	4989.50	5009.80	5050.00
Reach - 1	13865.0	100-YEAR	166.95		167.00	485.22	273.50	311.85	148.65		4991.65	5008.35	
Reach - 1	13865.0	FWAY	167.91	0.96	167.97	145.00	259.52	358.21	116.27	4905.00	4991.65	5008.35	5050.00
Reach - 1	13344.0	100-YEAR	166.75		166.79	262.79	52.02	300.69	381.29		4991.70	5008.40	
Reach - 1	13344.0	FWAY	167.66	0.91	167.73	85.00	113.33	416.84	203.83	4970.00	4991.70	5008.40	5055.00
Reach - 1	13225.0		Culvert										
Reach - 1	13106.0	100-YEAR	163.68		164.14	206.13	65.98	539.64	128.38		4991.70	5008.40	
Reach - 1	13106.0	FWAY	164.21	0.53	164.56	75.00	70.85	525.77	137.38	4970.00	4991.70	5008.40	5055.00
Reach - 1	12612.0	100-YEAR	162.31		162.49	227.74	44.45	600.45	89.09		4981.00	5019.00	
Reach - 1	12612.0	FWAY	163.17	0.85	163.38	45.00	1.05	719.57	13.38	4980.00	4981.00	5019.00	5025.00
Reach - 1	12135.0	100-YEAR	160.75		161.04	468.10	217.03	847.07	136.90		4981.00	5019.00	
Reach - 1	12135.0	FWAY	161.53	0.78	162.03	55.00	51.37	1141.21	8.42	4970.00	4981.00	5019.00	5025.00
Reach - 1	11603.0	100-YEAR	159.14		159.39	311.29	280.75	888.85	31.39		4981.00	5019.00	
Reach - 1	11603.0	FWAY	159.63	0.49	160.10	45.00	26.21	1173.80	0.99	4975.00	4981.00	5019.00	5020.00
Reach - 1	10871.0	100-YEAR	157.98		158.17	72.83		1200.08	0.92		4967.80	5032.20	
Reach - 1	10871.0	FWAY	158.86	0.88	159.00	65.25		1199.77	1.23	4967.80	4967.80	5032.20	5035.00
Reach - 1	10643.0	100-YEAR	157.74		157.92	86.42		1357.96	5.04		4967.80	5032.20	
Reach - 1	10643.0	FWAY	158.70	0.96	158.84	67.20		1360.92	2.09	4967.80	4967.80	5032.20	5035.00
Reach - 1	10491.5	100-YEAR	157.63		157.78	65.00		1360.59	2.41		4967.90	5032.30	
Reach - 1	10491.5	FWAY	158.63	1.00	158.75	80.00	1.77	1358.91	2.32	4955.00	4967.90	5032.30	5035.00
Reach - 1	10468.0 BR U	100-YEAR	157.30		157.70	40.01		1363.00			4967.90	5032.30	
Reach - 1	10468.0 BR U	FWAY	158.63	1.33	158.75	19.88	6.13	1356.88		4955.00	4967.90	5032.30	5035.00
Reach - 1	10468.0 BR D	100-YEAR	157.16		157.56	39.99		1363.00			4967.90	5032.30	
Reach - 1	10468.0 BR D	FWAY	158.62	1.45	158.69	23.71	6.13	1356.88		4950.00	4967.90	5032.30	5035.00

HEC-RAS Plan: FWAY River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach - 1	10444.5	100-YEAR	157.26		157.43	65.00		1360.87	2.13		4967.90	5032.30	
Reach - 1	10444.5	FWAY	158.23	0.97	158.35	85.00	1.69	1359.10	2.20	4950.00	4967.90	5032.30	5035.00
Reach - 1	10183.0	100-YEAR	157.15		157.22	383.58	500.65	573.12	289.24		4991.55	5008.45	
Reach - 1	10183.0	FWAY	158.09	0.94	158.21	115.00	412.35	714.53	236.12	4930.00	4991.55	5008.45	5045.00
Reach - 1	9592.0	100-YEAR	156.85		156.94	324.91	438.02	601.31	323.66		4991.55	5008.45	
Reach - 1	9592.0	FWAY	157.56	0.70	157.79	70.00	308.17	893.86	160.97	4955.00	4991.55	5008.45	5025.00
Reach - 1	9455.5	100-YEAR	156.17		156.76	194.91	149.38	1125.11	88.51		4991.30	5008.20	
Reach - 1	9455.5	FWAY	157.17	1.00	157.61	75.00	169.38	1091.26	102.36	4950.00	4991.30	5008.20	5025.00
Reach - 1	9306.0		Culvert										
Reach - 1	9156.5	100-YEAR	154.70		155.63	46.44	93.63	1186.61	82.76		4991.30	5008.20	
Reach - 1	9156.5	FWAY	155.64	0.94	156.35	65.00	107.52	1166.46	89.02	4950.00	4991.30	5008.20	5025.00
Reach - 1	8603.0	100-YEAR	154.05		154.23	290.34	417.33	744.21	201.46		4991.55	5008.45	
Reach - 1	8603.0	FWAY	155.05	1.00	155.27	83.28	395.06	834.16	133.78	4941.72	4991.55	5008.45	5025.00
Reach - 1	7894.0	100-YEAR	153.81		153.85	731.22	300.19	946.87	752.95		4976.00	5024.00	
Reach - 1	7894.0	FWAY	154.38	0.57	154.61	95.00	107.71	1764.78	127.51	4955.00	4976.00	5024.00	5050.00
Reach - 1	7664.0	100-YEAR	153.20		153.66	57.83	0.18	1983.91	15.91		4974.80	5022.80	
Reach - 1	7664.0	FWAY	153.93	0.73	154.32	48.00		2000.00		4974.80	4974.80	5022.80	5022.80
Reach - 1	7629.0 BR U	100-YEAR	152.91		153.60	39.76		2000.00			4974.80	5022.80	
Reach - 1	7629.0 BR U	FWAY	153.69	0.78	154.26	40.73		2000.00		4974.80	4974.80	5022.80	5022.80
Reach - 1	7629.0 BR D	100-YEAR	152.20		153.00	39.09		2000.00			4974.80	5022.80	
Reach - 1	7629.0 BR D	FWAY	153.14	0.95	153.76	40.26		2000.00		4974.80	4974.80	5022.80	5022.80
Reach - 1	7594.0	100-YEAR	152.39		152.93	55.47	0.00	1988.14	11.86		4974.80	5022.80	
Reach - 1	7594.0	FWAY	153.28	0.90	153.72	48.00		2000.00		4974.80	4974.80	5022.80	5022.80
Reach - 1	7199.0	100-YEAR	151.95		152.16	313.87	80.90	1787.41	131.69		4970.45	5029.55	
Reach - 1	7199.0	FWAY	152.90	0.95	153.13	70.00	5.35	1982.64	12.01	4965.00	4970.45	5029.55	5035.00
Reach - 1	6752.0	100-YEAR	151.72		151.82	562.25	104.73	1464.14	431.13		4970.45	5029.55	
Reach - 1	6752.0	FWAY	152.59	0.87	152.79	70.00	6.34	1980.87	12.79	4965.00	4970.45	5029.55	5035.00
Reach - 1	6116.0	100-YEAR	151.46		151.54	636.56	143.19	1449.00	407.81		4970.45	5029.55	
Reach - 1	6116.0	FWAY	152.24	0.78	152.40	70.00	7.76	1978.58	13.65	4965.00	4970.45	5029.55	5035.00
Reach - 1	5458.0	100-YEAR	151.34		151.37	796.15	100.02	1180.67	719.31		4970.45	5029.55	
Reach - 1	5458.0	FWAY	151.97	0.63	152.11	70.00	9.06	1972.94	18.00	4965.00	4970.45	5029.55	5035.00
Reach - 1	5218.0	100-YEAR	151.15		151.30	70.00	26.11	1956.77	17.11		4978.10	5030.60	
Reach - 1	5218.0	FWAY	151.86	0.71	152.01	52.50		2000.00		4978.10	4978.10	5030.60	5030.60
Reach - 1	5160.0		Culvert										
Reach - 1	5102.0	100-YEAR	150.21		150.39	70.00	20.76	1963.86	15.37		4978.10	5030.60	
Reach - 1	5102.0	FWAY	150.92	0.71	151.08	52.50		2000.00		4978.10	4978.10	5030.60	5030.60
Reach - 1	4679.0	100-YEAR	150.08		150.15	602.21	393.16	1180.52	426.32		4975.80	5024.20	
Reach - 1	4679.0	FWAY	150.47	0.39	150.75	60.00	25.80	1948.36	25.85	4970.00	4975.80	5024.20	5030.00
Reach - 1	4444.0	100-YEAR	149.98		150.05	613.35	354.45	1168.76	476.79		4975.80	5024.20	
Reach - 1	4444.0	FWAY	150.22	0.23	150.51	60.00	25.69	1948.53	25.78	4970.00	4975.80	5024.20	5030.00
Reach - 1	4251.5	100-YEAR	149.76		149.93	237.09	37.03	1581.02	381.95		4976.00	5024.40	
Reach - 1	4251.5	FWAY	149.93	0.17	150.25	48.40		2000.00		4976.00	4976.00	5024.40	5024.40
Reach - 1	4222.0 BR U	100-YEAR	149.76		149.93	63.89	0.74	1964.84	34.54		4976.00	5024.40	
Reach - 1	4222.0 BR U	FWAY	149.93	0.17	150.26	3.59		2000.09		4976.00	4976.00	5024.40	5024.40
Reach - 1	4222.0 BR D	100-YEAR	149.76		149.93	63.89	0.74	1964.84	34.54		4976.00	5024.40	
Reach - 1	4222.0 BR D	FWAY	149.93	0.17	150.18	3.59		2000.09		4976.00	4976.00	5024.40	5024.40
Reach - 1	4192.5	100-YEAR	148.59		148.84	179.60	34.05	1634.25	331.70		4976.00	5024.40	
Reach - 1	4192.5	FWAY	149.04	0.45	149.44	48.40		2000.00		4976.00	4976.00	5024.40	5024.40
Reach - 1	3814.0	100-YEAR	148.11		148.31	387.28	232.38	1449.46	318.16		4975.80	5024.20	
Reach - 1	3814.0	FWAY	148.28	0.16	148.66	80.00	81.99	1834.05	83.96	4960.00	4975.80	5024.20	5040.00
Reach - 1	3273.0	100-YEAR	146.63		147.13	297.94	154.98	1657.81	187.21		4975.80	5024.20	
Reach - 1	3273.0	FWAY	146.64	0.01	147.16	160.00	135.54	1682.74	181.72	4930.00	4975.80	5024.20	5090.00
Reach - 1	2684.0	100-YEAR	146.37		146.46	334.27	22.54	1931.75	45.71		4949.89	5050.11	
Reach - 1	2684.0	FWAY	146.37	0.00	146.47	155.00	8.01	1962.81	29.18	4935.00	4949.89	5050.11	5090.00
Reach - 1	2009.0	100-YEAR	146.29		146.31	379.84	5.64	1979.13	15.23		4899.78	5100.22	
Reach - 1	2009.0	FWAY	146.29	0.01	146.32	300.00	6.14	1980.15	13.71	4850.00	4899.78	5100.22	5150.00
Reach - 1	1834.0	100-YEAR	146.30		146.30	607.96	1.42	1995.77	2.81		4746.50	5247.60	
Reach - 1	1834.0	FWAY	146.30	0.01	146.31	501.10		2000.00		4746.50	4746.50	5247.60	5247.60
Reach - 1	1784.0		Ini Struct										

HEC-RAS Plan: FWAY River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach - 1	1734.0	100-YEAR	145.52		145.61	585.89	226.37	1428.03	345.60		4965.20	5033.60	
Reach - 1	1734.0	FWAY	145.83	0.31	146.00	150.00	22.91	1845.66	131.43	4950.00	4965.20	5033.60	5100.00
Reach - 1	1364.0	100-YEAR	145.30		145.42	504.45	175.35	1666.57	158.08		4965.80	5034.20	
Reach - 1	1364.0	FWAY	145.53	0.22	145.71	68.40		2000.00		4965.80	4965.80	5034.20	5034.20
Reach - 1	989.0	100-YEAR	145.17		145.25	534.22	249.59	1569.37	181.05		4965.80	5034.20	
Reach - 1	989.0	FWAY	145.40	0.23	145.49	250.00	228.86	1646.84	124.30	4850.00	4965.80	5034.20	5100.00
Reach - 1	702.0	100-YEAR	145.11		145.16	782.95	341.33	1427.68	230.99		4965.80	5034.20	
Reach - 1	702.0	FWAY	145.35	0.24	145.40	425.00	364.43	1445.83	189.75	4725.00	4965.80	5034.20	5150.00
Reach - 1	544.0	100-YEAR	145.14		145.14	1005.13	5.35	1991.25	3.40		4588.20	5413.60	
Reach - 1	544.0	FWAY	145.38	0.24	145.38	825.40		2000.00		4588.20	4588.20	5413.60	5413.60
Reach - 1	526.0		Ini Struct										
Reach - 1	508.0	100-YEAR	138.23		138.87	768.82	70.57	953.99	975.44		4992.20	5007.10	
Reach - 1	508.0	FWAY	138.70	0.47	140.04	170.00	16.08	1277.65	706.27	4990.00	4992.20	5007.10	5160.00
Reach - 1	281.0	100-YEAR	137.43		137.52	669.59	416.93	480.43	1102.64		4992.55	5007.45	
Reach - 1	281.0	FWAY	138.39	0.96	138.53	197.00	252.21	598.66	1149.13	4953.00	4992.55	5007.45	5150.00

3b. Proposed

ShotPouchBranch-P.rep

HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```

X      X  XXXXXX   XXXX      XXXX      XX      XXXX
X      X  X        X   X      X   X      X   X      X
X      X  X        X        X   X      X   X      X
XXXXXXXX XXXX      X        XXX XXXX      XXXXXX   XXXX
X      X  X        X        X   X      X   X      X
X      X  X        X   X      X   X      X   X      X
X      X  XXXXXX   XXXX      X   X      X   X      XXXXX

```

PROJECT DATA

Project Title: Shot Pouch Branch-PR
Project File : ShotPouchBranch-P.prj
Run Date and Time: 2/26/2019 3:27:20 PM

Project in English units

Project Description:
Sumter County FIS

PLAN DATA

Plan Title: Floodway
Plan File : n:\7619\CDOC\Flood Study\HEC-RAS\Proposed\ShotPouchBranch-P.p02

Geometry Title: Geometry PR
Geometry File : n:\7619\CDOC\Flood
Study\HEC-RAS\Proposed\ShotPouchBranch-P.g02

Flow Title : floodway
Flow File : n:\7619\CDOC\Flood
Study\HEC-RAS\Proposed\ShotPouchBranch-P.f02

Plan Summary Information:

Number of: Cross Sections	=	59	Multiple Openings	=	0
Culverts	=	5	Inline Structures	=	2

ShotPouchBranch-P.rep

Bridges = 6 Lateral Structures = 0

Computational Information

Water surface calculation tolerance = 0.01
 Critical depth calculation tolerance = 0.01
 Maximum number of iterations = 20
 Maximum difference tolerance = 0.3
 Flow tolerance factor = 0.001

Computation Options

Critical depth computed only where necessary
 Conveyance Calculation Method: At breaks in n values only
 Friction Slope Method: Average Conveyance
 Computational Flow Regime: Subcritical Flow

Encroachment Data

Equal Conveyance = True
 Left Offset = 0
 Right Offset = 0

River = Main Stem	Reach = Reach - 1			
RS	Profile	Method	Value1	Value2
19965.0	FWAY	1	4987.8	5160.73
19249.0	FWAY	1	4970	5130
18610.0	FWAY	1	4970	5300
18369.0	FWAY	1	4965	5130
18269.0	FWAY	1	4965	5130
17365.0	FWAY	1	4900	5100
16746.0	FWAY	1	4900	5250
16222.0	FWAY	1	4965	5065
15591.0	FWAY	1	4950	5040
15001.0	FWAY	1	4970	5040
14858.5	FWAY	1	4980	5150
14773.5	FWAY	1	4980	5150
14639.0	FWAY	1	4980	5080
14477.5	FWAY	1	4785	5050
14450.5	FWAY	1	4785	5050
13865.0	FWAY	1	4905	5050
13344.0	FWAY	1	4970	5055
13106.0	FWAY	1	4970	5050
12612.0	FWAY	1	4980	5060
12135.0	FWAY	1	4930	5100
11603.0	FWAY	1	4975	5030
10871.0	FWAY	1	4967.8	5035
10643.0	FWAY	1	4967.8	5035
10491.5	FWAY	1	4955	5035
10444.5	FWAY	1	4950	5035
10183.0	FWAY	1	4930	5045

ShotPouchBranch-P.rep

9592.0	FWAY	1	4955	5025
9455.5	FWAY	1	4950	5025
9156.5	FWAY	1	4950	5025
8603.0	FWAY	1	4941.72	5025
7894.0	FWAY	1	4955	5050
7664.0	FWAY	1	4974.8	5022.8
7594.0	FWAY	1	4974.8	5022.8
7199.0	FWAY	1	4965	5035
6752.0	FWAY	1	4965	5035
6116.0	FWAY	1	4965	5035
5458.0	FWAY	1	4965	5035
5218.0	FWAY	1	4978.1	5030.6
5102.0	FWAY	1	4978.1	5030.6
4679.0	FWAY	1	4970	5030
4444.0	FWAY	1	4970	5030
4251.5	FWAY	1	4976	5024.4
4192.5	FWAY	1	4976	5024.4
3814.0	FWAY	1	4960	5040
3273.0	FWAY	1	4930	5090
2684.0	FWAY	1	4935	5090
2009.0	FWAY	1	4850	5150
1834.0	FWAY	1	4746.5	5247.6
1734.0	FWAY	1	4950	5100
1364.0	FWAY	1	4965.8	5034.2
989.0	FWAY	1	4850	5100
702.0	FWAY	1	4725	5150
544.0	FWAY	1	4588.2	5413.6
508.0	FWAY	1	4990	5160
281.0	FWAY	1	4953	5150

FLOW DATA

Flow Title: floodway

Flow File : n:\7619\CDOC\Flood Study\HEC-RAS\Proposed\ShotPouchBranch-P.f02

Flow Data (cfs)

River	Reach	RS	100-YEAR	FWAY
Main Stem	Reach - 1	19965.0	734	734
Main Stem	Reach - 1	12135	1201	1201
Main Stem	Reach - 1	10643	1363	1363
Main Stem	Reach - 1	7894.0	2000	2000

Boundary Conditions

ShotPouchBranch-P.rep

River	Reach	Profile	Upstream
Downstream			

Main Stem	Reach - 1	100-YEAR
Normal S = 0.002		
Main Stem	Reach - 1	FWAY
Normal S = 0.002		

GEOMETRY DATA

Geometry Title: Geometry PR
 Geometry File : n:\7619\CDOC\Flood Study\HEC-RAS\Proposed\ShotPouchBranch-P.g02

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 19965.0

INPUT

Description: Cross Section SPB-33.0

Station Elevation Data				num= 14					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4195.4	180	4694.1	176.22	4952.3	174.27	4987.8	174	4991	171.55
4997	170.89	5000	171.32	5003.6	171.83	5012.2	173.64	5101.9	173.89
5413.9	174.76	5901.1	176.12	6496.4	177.79	7289.5	180		

Manning's n Values				num= 9					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4195.4	.15	4694.1	.1	4952.3	.15	4987.8	.045	5012.2	.15
5101.9	.1	5413.9	.15	5901.1	.1	6496.4	.2		

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4987.8	5012.2	716	716	716		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 19249.0

ShotPouchBranch-P.rep

INPUT

Description: Cross Section SPB-32.0

Station Elevation Data		num= 11							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4438.1	180	4861.1	174.28	4987.8	172.57	4991	170.12	4997	169.46
5000	169.89	5003.6	170.4	5012.2	172.21	5406.6	173.67	6391.5	177.32
7115.1	180								

Manning's n Values		num= 6							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4438.1	.1	4861.1	.15	4987.8	.045	5012.2	.15	5406.6	.1
6391.5	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2		639	639		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 18610.0

INPUT

Description: Cross Section SPB-31.0

Station Elevation Data		num= 13							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4131	180	4733.5	172.95	4985.1	170	4987.8	169.29	4991	168.84
4997	168.18	5000	168.43	5003.6	168.72	5012.2	168.93	5021.1	170
5204.2	170.44	6298.5	173.07	9184	180				

Manning's n Values		num= 6							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4131	.1	4733.5	.15	4987.8	.045	5012.2	.15	5204.2	.1
6298.5	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2		241	241		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 18369.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data		num= 22							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

ShotPouchBranch-P.rep

3740.4	180.02	4530.1	176.55	4673.9	175.92	4678.6	175.9	4750.7	173.76
4763.9	173.6	4806	173.07	4817.9	172.92	4894.8	172.87	4990.5	172.81
4993.7	168.36	4999.7	167.7	5006.3	168.64	5014.9	172.45	5020.4	172.47
5091.7	172.68	5124.9	172.78	5198.3	172.91	5209.4	172.93	5789.7	173.96
6324.9	174.92	9191.4	180.02						

Manning's n Values num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3740.4	.1	4530.1	.15	4990.5	.045	5014.9	.15	5209.4	.1
6324.9	.2								

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.

4990.5	5014.9	100	100	100		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3740.4	4985	174.1	F
5020	9191.4	173.8	F

CULVERT

RIVER: Main Stem
 REACH: Reach - 1 RS: 18319.0

INPUT

Description: WISE ROAD
 Structure ID: SPB11
 Distance from Upstream XS = 10
 Deck/Roadway Width = 80
 Weir Coefficient = 3
 Upstream Deck/Roadway Coordinates
 num= 22

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
3740.4	180	180	4530.1	176.53	176.53	4673.9	176.02	175.9						
4678.6	175.98	175.88	4750.7	175.43	173.74	4763.9	175.33	173.58						
4806	175.07	173.05	4817.9	174.99	172.9	4894.8	174.51	172.85						
4990.5	174.07	172.79	4993.7	174.05	168.34	4999.7	174.03	167.68						
5006.3	174	168.62	5014.9	173.96	172.43	5020.4	173.93	172.45						
5091.7	173.82	172.66	5124.9	173.8	172.76	5198.3	173.76	172.89						
5209.4	173.76	172.91	5789.7	173.95	173.94	6324.9	174.9	174.9						
9191.4	180	180												

Upstream Bridge Cross Section Data

Station Elevation Data num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3740.4	180	4530.1	176.53	4673.9	175.9	4678.6	175.88	4750.7	173.74
4763.9	173.58	4806	173.05	4817.9	172.9	4894.8	172.85	4990.5	172.79
4993.7	168.34	4999.7	167.68	5006.3	168.62	5014.9	172.43	5020.4	172.45

ShotPouchBranch-P.rep

5091.7	172.66	5124.9	172.76	5198.3	172.89	5209.4	172.91	5789.7	173.94
6324.9	174.9	9191.4	180						

Manning's n Values			num= 6						
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3740.4	.1	4530.1	.15	4990.5	.045	5014.9	.15	5209.4	.1
6324.9	.2								

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4990.5	5014.9		.3	.5

Ineffective Flow			num= 2		
Sta L	Sta R	Elev	Permanent		
3740.4	4985	174.1	F		
5020	9191.4	173.8	F		

Downstream Deck/Roadway Coordinates

num= 22									
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
3740.4		180	179.55		4530.1	176.53	176.08		
4678.6	175.98		175.43		4750.7	175.43	173.29		
4806	175.07		172.6		4817.9	174.99	172.45		
4990.5	174.07		172.34		4993.7	174.05	167.89		
5006.3	174		168.17		5014.9	173.96	171.98		
5091.7	173.82		172.21		5124.9	173.8	172.31		
5209.4	173.76		172.46		5789.7	173.95	173.49		
6324.9	174.9		174.45						

Downstream Bridge Cross Section Data

Station Elevation Data num= 22									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3740.4	179.55	4530.1	176.08	4673.9	175.45	4678.6	175.43	4750.7	173.29
4763.9	173.13	4806	172.6	4817.9	172.45	4894.8	172.4	4990.5	172.34
4993.7	167.89	4999.7	167.23	5006.3	168.17	5014.9	171.98	5020.4	172
5091.7	172.21	5124.9	172.31	5198.3	172.44	5209.4	172.46	5789.7	173.49
6324.9	174.45	9191.4	179.55						

Manning's n Values			num= 6						
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3740.4	.1	4530.1	.15	4990.5	.045	5014.9	.15	5209.4	.1
6324.9	.2								

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4990.5	5014.9		.3	.5

Ineffective Flow			num= 2		
Sta L	Sta R	Elev	Permanent		
3740.4	4985	173	F		
5020	9191.4	172	F		

ShotPouchBranch-P.rep

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Culverts = 1

Culvert Name Shape Rise Span
 Culvert #1 Circular 4
 FHWA Chart # 1 - Concrete Pipe Culvert
 FHWA Scale # 3 - Groove end entrance; pipe projecting from fill
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 10 80 .012 .012 0 .5
 1
 Upstream Elevation = 167.7
 Centerline Station = 5000.2
 Downstream Elevation = 167.23
 Centerline Station = 5000.2

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 18269.0

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3740.4	179.53	4530.1	176.06	4673.9	175.43	4678.6	175.41	4750.7	173.27
4763.9	173.11	4806	172.58	4817.9	172.43	4894.8	172.38	4990.5	172.32
4993.7	167.87	4999.7	167.21	5006.3	168.15	5014.9	171.96	5020.4	171.98
5091.7	172.19	5124.9	172.29	5198.3	172.42	5209.4	172.44	5789.7	173.47
6324.9	174.43	9191.4	179.53						

Manning's n Values num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3740.4	.1	4530.1	.15	4990.5	.045	5014.9	.15	5209.4	.1
6324.9	.2								

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
 4990.5 5014.9 904 904 904 .3 .5
 Ineffective Flow num= 2

ShotPouchBranch-P.rep

Sta L	Sta R	Elev	Permanent
3740.4	4985	173	F
5020	9191.4	172	F

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 17365.0

INPUT

Description: Cross Section SPB-30.0

Station Elevation Data num= 14

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1757.2	180	3462.9	174.71	3724.1	173.9	4979.9	170	4987.8	169.93
4991	166.48	4997	165.82	5000	166.25	5003.6	166.76	5012.2	169.57
5033.9	170	5160.1	170.31	6708.5	174.06	9157.2	180		

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1757.2	.2	3462.9	.1	3724.1	.15	4987.8	.045	5012.2	.15
5160.1	.1	6708.5	.2						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2		619	619		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 16746.0

INPUT

Description: Cross Section SPB-29.0

Station Elevation Data num= 18

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1812.1	180	3428.3	174.83	3905.1	173.31	4421	171.65	4897.4	170.13
4938.4	170	4987.8	169.97	4991	165.52	4997	164.86	5000	165.29
5003.6	165.8	5012.2	168.61	5037.1	170	5628.8	170	5755.6	170
5965.2	170.62	6760.8	172.99	9112.1	180				

Manning's n Values

num= 9

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1812.1	.2	3428.3	.1	3905.1	.15	4421	.1	4897.4	.15
4987.8	.045	5012.2	.15	5965.2	.1	6760.8	.2		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4987.8	5012.2		524	524		.1	.3

ShotPouchBranch-P.rep

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 16222.0

INPUT

Description: Cross Section SPB-28.0

Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1898.4	180	3500.5	174.76	4886.1	170.23	4957.8	170	4972.2	169.54
4981	167.96	4987	164.82	4989.1	164.67	4991.3	164.05	4992.9	164.62
4994.7	165.56	5000	165.3	5006.9	164.97	5019	168.26	5034.7	168.92
5127.1	170	5190.3	170.16	6193.3	172.62	9198.4	180		

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1898.4	.2	3500.5	.1	4886.1	.15	4981	.045	5019	.15
5190.3	.1	6193.3	.2						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		631 631	631		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 15591.0

INPUT

Description: Cross Section SPB-27.0

Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1891.3	180	3605.1	174.14	4813.9	170	4918.9	169.04	4972.2	168.56
4981	166.98	4987	163.84	4989.1	163.69	4991.3	163.07	4992.9	163.64
4994.7	164.58	5000	164.32	5006.9	163.99	5019	167.28	5034.7	167.94
5118.9	170	5244.5	170.31	6201.2	172.66	9191.3	180		

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1891.3	.2	3605.1	.1	4918.9	.15	4981	.045	5019	.15
5244.5	.1	6201.2	.2						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		590 590	590		.1	.3

CROSS SECTION

ShotPouchBranch-P.rep

RIVER: Main Stem

REACH: Reach - 1

RS: 15001.0

INPUT

Description: Cross Section SPB-26.0

Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
1908.3	180	3525	174.49	4811.9	170.11	4844.9	170	4972.2	167.65
4981	166.07	4987	162.93	4989.1	162.78	4991.3	162.16	4992.9	162.73
4994.7	163.67	5000	163.41	5006.9	163.08	5019	166.37	5034.7	167.03
5181.5	170	5208.7	170	5266.1	170	5421.1	170.4	5595.1	170.86
5753.4	171.27	6091.2	172.15	9108.3	180				

Manning's n Values

num= 9

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
1908.3	.2	3525	.1	4811.9	.15	4981	.045	5019	.15
5421.1	.1	5595.1	.15	5753.4	.1	6091.2	.2		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		142.5	142.5		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 14858.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4763	174.71	4775.7	174.75	4791.3	173.23	4796.2	173.15	4822.2	172.73
4851.3	172.25	4878.1	171.15	4903.9	170.1	4934.7	167.83	4939.9	167.45
4981.2	167.43	4990	165.85	4990.7	165.48	4996	162.71	4998.1	162.56
5000.3	161.94	5001.9	162.51	5003.7	163.45	5015.9	162.86	5028	166.15
5043.7	166.81	5057.5	166.74	5115.4	166.43	5129.8	166.35	5168.8	168.12
5197.9	169.44	5229.7	169.71	5258.9	169.96	5265.7	170.02	5719.4	171.22
6105.3	172.24	7158.3	175.02						

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4763	.1	4796.2	.15	4990	.045	5028	.15	5719.4	.12
6105.3	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4990	5028		85	85		.3	.5

ShotPouchBranch-P.rep
Ineffective Flow num= 2
Sta L Sta R Elev Permanent
4763 4980 171.7 F
5034 7158.3 169.6 F

CULVERT

RIVER: Main Stem
REACH: Reach - 1 RS: 14816.0

INPUT

Description: DILLON PARK

Structure ID: SPB10

Distance from Upstream XS = 10

Deck/Roadway Width = 65

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 32

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4763	174.69	174.69	4775.7	174.74	174.73	4791.3	174.43	173.21						
4796.2	174.39	173.13	4822.2	174.15	172.71	4851.3	173.73	172.23						
4878.1	173.34	171.13	4903.9	172.85	170.08	4934.7	172.27	167.81						
4939.9	172.2	167.43	4981.2	171.68	167.41	4990	171.57	165.83						
4990.7	171.56	165.46	4996	171.49	162.69	4998.1	171.46	162.54						
5000.3	171.43	161.92	5001.9	171.41	162.49	5003.7	171.38	163.43						
5015.9	171.21	162.84	5028	171.05	166.13	5043.7	170.83	166.79						
5057.5	170.64	166.72	5115.4	170.31	166.41	5129.8	170.21	166.33						
5168.8	169.95	168.1	5197.9	169.43	169.42	5229.7	169.7	169.69						
5258.9	170	169.94	5265.7	170	170	5719.4	171.2	171.2						
6105.3	172.22	172.22	7158.3	175	175									

Upstream Bridge Cross Section Data

Station Elevation Data num= 32

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4763	174.69	4775.7	174.73	4791.3	173.21	4796.2	173.13	4822.2	172.71
4851.3	172.23	4878.1	171.13	4903.9	170.08	4934.7	167.81	4939.9	167.43
4981.2	167.41	4990	165.83	4990.7	165.46	4996	162.69	4998.1	162.54
5000.3	161.92	5001.9	162.49	5003.7	163.43	5015.9	162.84	5028	166.13
5043.7	166.79	5057.5	166.72	5115.4	166.41	5129.8	166.33	5168.8	168.1
5197.9	169.42	5229.7	169.69	5258.9	169.94	5265.7	170	5719.4	171.2
6105.3	172.22	7158.3	175						

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4763	.1	4796.2	.15	4990	.045	5028	.15	5719.4	.12
6105.3	.2								

ShotPouchBranch-P.rep

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4990	5028		.3	.5

Ineffective Flow	num=	2
Sta L	Sta R	Elev
4763	4980	171.7
5034	7158.3	169.6
		F

Downstream Deck/Roadway Coordinates

num=	32							
Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
4763	174.69	174.58	4775.7	174.74	174.62	4791.3	174.43	173.1
4796.2	174.39	173.02	4822.2	174.15	172.6	4851.3	173.73	172.12
4878.1	173.34	171.02	4903.9	172.85	169.97	4934.7	172.27	167.7
4939.9	172.2	167.32	4981.2	171.68	167.3	4990	171.57	165.72
4990.7	171.56	165.35	4996	171.49	162.58	4998.1	171.46	162.43
5000.3	171.43	161.81	5001.9	171.41	162.38	5003.7	171.38	163.32
5015.9	171.21	162.73	5028	171.05	166.02	5043.7	170.83	166.68
5057.5	170.64	166.61	5115.4	170.31	166.3	5129.8	170.21	166.22
5168.8	169.95	167.99	5197.9	169.43	169.31	5229.7	169.7	169.58
5258.9	170	169.83	5265.7	170	169.89	5719.4	171.2	171.09
6105.3	172.22	172.11	7158.3	175	174.89			

Downstream Bridge Cross Section Data

Station Elevation Data	num=	32							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4763	174.58	4775.7	174.62	4791.3	173.1	4796.2	173.02	4822.2	172.6
4851.3	172.12	4878.1	171.02	4903.9	169.97	4934.7	167.7	4939.9	167.32
4981.2	167.3	4990	165.72	4990.7	165.35	4996	162.58	4998.1	162.43
5000.3	161.81	5001.9	162.38	5003.7	163.32	5015.9	162.73	5028	166.02
5043.7	166.68	5057.5	166.61	5115.4	166.3	5129.8	166.22	5168.8	167.99
5197.9	169.31	5229.7	169.58	5258.9	169.83	5265.7	169.89	5719.4	171.09
6105.3	172.11	7158.3	174.89						

Manning's n Values	num=	6							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4763	.1	4796.2	.15	4990	.045	5028	.15	5719.4	.12
6105.3	.2								

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4990	5028		.3	.5

Ineffective Flow	num=	2
Sta L	Sta R	Elev
4763	4980	170
5034	7158.3	167
		F

Upstream Embankment side slope	=	1 horiz. to 1.0 vertical
Downstream Embankment side slope	=	1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow	=	.95

ShotPouchBranch-P.rep

Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Culverts = 2

Culvert Name Shape Rise Span
 Culvert #1 Circular 4.5
 FHWA Chart # 1 - Concrete Pipe Culvert
 FHWA Scale # 3 - Groove end entrance; pipe projecting from fill
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 10 65 .015 .015 0 .5
 1
 Upstream Elevation = 161.62
 Centerline Station = 5000.6
 Downstream Elevation = 161.44
 Centerline Station = 5000.6

Culvert Name Shape Rise Span
 Culvert #2 Circular 4.5
 FHWA Chart # 1 - Concrete Pipe Culvert
 FHWA Scale # 3 - Groove end entrance; pipe projecting from fill
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 10 65 .015 .015 0 .5
 1
 Upstream Elevation = 161.75
 Centerline Station = 5014.4
 Downstream Elevation = 161.23
 Centerline Station = 5014.4

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 14773.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station	Elevation	Data	num=	32						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	
4763	174.53	4775.7	174.57	4791.3	173.05	4796.2	172.97	4822.2	172.55	
4851.3	172.07	4878.1	170.97	4903.9	169.92	4934.7	167.65	4939.9	167.27	
4981.2	167.25	4990	165.67	4990.7	165.3	4996	162.53	4998.1	162.38	

ShotPouchBranch-P.rep

5000.3	161.76	5001.9	162.33	5003.7	163.27	5015.9	162.68	5028	165.97
5043.7	166.63	5057.5	166.56	5115.4	166.25	5129.8	166.17	5168.8	167.94
5197.9	169.26	5229.7	169.53	5258.9	169.78	5265.7	169.84	5719.4	171.04
6105.3	172.06	7158.3	174.84						

Manning's n Values		num=		6					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4763	.1	4796.2	.15	4990	.045	5028	.15	5719.4	.12
6105.3	.2								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4990	5028		134.5	134.5		.3	.5
Ineffective Flow			num=	2				
Sta L	Sta R	Elev	Permanent					
4763	4980	170	F					
5034	7158.3	167	F					

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 14639.0

INPUT

Description: Cross Section SPB-25.0

Station Elevation Data		num=		14					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4093.5	170	4143.1	170	4740	170	4787.1	170	4981.85	164.68
4989.85	163	4997.65	161.31	4999.25	161.14	5000	161.14	5001.85	161.14
5003.15	161.26	5010.15	164.27	5048.65	164.92	5289.1	170		

Manning's n Values		num=		4					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4093.5	.1	4740	.15	4989.85	.045	5010.15	.15		
Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.	
	4989.85	5010.15		161.5	161.5		.1	.3	

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 14477.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data		num=		41					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

ShotPouchBranch-P.rep

4194.3	170.05	4244.6	170.05	4290.3	169.58	4679.4	165.62	4745.7	164.95
4750.2	164.9	4805.9	163.93	4846.2	163.87	4846.5	163.87	4900.9	163.82
4941.9	163.68	4960.5	163.61	4976.39	163.85	4976.5	163.85	4976.61	163.86
4981.5	163.93	4988.6	162.44	4988.71	162.42	4988.8	162.4	4989.5	162.25
4995.3	160.99	4997.3	160.56	4998.9	160.39	5001.5	160.39	5002.7	160.51
5002.8	160.55	5009.8	163.52	5012.79	163.57	5012.9	163.57	5013	163.57
5024.29	163.76	5024.4	163.77	5024.51	163.77	5045.4	164.12	5048.3	164.17
5074	164.56	5084.7	165.11	5106.8	166.24	5133.3	168.62	5254.7	169.52
5325.3	170.05								

Manning's n Values	num=	4							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val		
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15		

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4989.5	5009.8	27	27	27		.3	.5

Ineffective Flow	num=	2							
Sta L	Sta R	Elev	Permanent						
4194.3	4979.5	165.73	F						
5019.8	5325.3	165.71	F						

BRIDGE

RIVER: Main Stem
 REACH: Reach - 1 RS: 14464.0

INPUT

Description: FOOTBRIDGE

Structure ID: SPB9A

Distance from Upstream XS = 10

Deck/Roadway Width = 7

Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

num=	41								
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4194.3	170	170	4244.6	170	170	4290.3	170	169.53	
4679.4	167	165.57	4745.7	166.49	164.9	4750.2	166.46	164.85	
4805.9	166.04	163.88	4846.2	165.73	163.82	4846.5	165.73	163.82	
4900.9	165.75	163.77	4941.9	165.76	163.63	4960.5	165.79	163.56	
4976.39	165.81	163.8	4976.5	168.91	163.8	4976.61	168.91	163.81	
4981.5	169.24	163.88	4988.6	169.71	162.39	4988.71	169.71	162.37	
4988.8	169.71	164.51	4989.5	169.7	164.5	4995.3	169.67	164.47	
4997.3	169.66	164.46	4998.9	169.65	164.45	5001.5	169.63	164.43	
5002.7	169.62	164.42	5002.8	169.62	164.42	5009.8	169.58	164.38	
5012.79	169.56	164.36	5012.9	169.56	163.52	5013	169.55	163.52	
5024.29	168.81	163.71	5024.4	168.81	163.72	5024.51	165.71	163.72	
5045.4	165.92	164.07	5048.3	165.97	164.12	5074	166.39	164.51	

ShotPouchBranch-P.rep

5084.7	166.56	165.06	5106.8	167.01	166.19	5133.3	168.58	168.57
5254.7	170	169.47	5325.3	170	170			

Upstream Bridge Cross Section Data

Station Elevation Data num= 41									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4194.3	170	4244.6	170	4290.3	169.53	4679.4	165.57	4745.7	164.9
4750.2	164.85	4805.9	163.88	4846.2	163.82	4846.5	163.82	4900.9	163.77
4941.9	163.63	4960.5	163.56	4976.39	163.8	4976.5	163.8	4976.61	163.81
4981.5	163.88	4988.6	162.39	4988.71	162.37	4988.8	162.35	4989.5	162.2
4995.3	160.94	4997.3	160.51	4998.9	160.34	5001.5	160.34	5002.7	160.46
5002.8	160.5	5009.8	163.47	5012.79	163.52	5012.9	163.52	5013	163.52
5024.29	163.71	5024.4	163.72	5024.51	163.72	5045.4	164.07	5048.3	164.12
5074	164.51	5084.7	165.06	5106.8	166.19	5133.3	168.57	5254.7	169.47
5325.3	170								

Manning's n Values

num= 4							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4989.5	5009.8		.3	.5

Ineffective Flow num= 2			
Sta L	Sta R	Elev	Permanent
4194.3	4979.5	165.73	F
5019.8	5325.3	165.71	F

Downstream Deck/Roadway Coordinates

num= 41									
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4194.3	170	169.79	4244.6	170	169.79	4290.3	170	169.32	
4679.4	167	165.36	4745.7	166.49	164.69	4750.2	166.46	164.64	
4805.9	166.04	163.67	4846.2	165.73	163.61	4846.5	165.73	163.61	
4900.9	165.75	163.56	4941.9	165.76	163.42	4960.5	165.79	163.35	
4976.39	165.81	163.59	4976.5	168.91	163.59	4976.61	168.91	163.6	
4981.5	169.24	163.67	4988.6	169.71	162.18	4988.71	169.71	162.16	
4988.8	169.71	164.3	4989.5	169.7	164.29	4995.3	169.67	164.26	
4997.3	169.66	164.25	4998.9	169.65	164.24	5001.5	169.63	164.22	
5002.7	169.62	164.21	5002.8	169.62	164.21	5009.8	169.58	164.17	
5012.79	169.56	164.15	5012.9	169.56	163.31	5013	169.55	163.31	
5024.29	168.81	163.5	5024.4	168.81	163.51	5024.51	165.71	163.51	
5045.4	165.92	163.86	5048.3	165.97	163.91	5074	166.39	164.3	
5084.7	166.56	164.85	5106.8	167.01	165.98	5133.3	168.58	168.36	
5254.7	170	169.26	5325.3	170	169.79				

Downstream Bridge Cross Section Data

Station Elevation Data num= 41									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev

ShotPouchBranch-P.rep

4194.3	169.79	4244.6	169.79	4290.3	169.32	4679.4	165.36	4745.7	164.69
4750.2	164.64	4805.9	163.67	4846.2	163.61	4846.5	163.61	4900.9	163.56
4941.9	163.42	4960.5	163.35	4976.39	163.59	4976.5	163.59	4976.61	163.6
4981.5	163.67	4988.6	162.18	4988.71	162.16	4988.8	162.14	4989.5	161.99
4995.3	160.73	4997.3	160.3	4998.9	160.13	5001.5	160.13	5002.7	160.25
5002.8	160.29	5009.8	163.26	5012.79	163.31	5012.9	163.31	5013	163.31
5024.29	163.5	5024.4	163.51	5024.51	163.51	5045.4	163.86	5048.3	163.91
5074	164.3	5084.7	164.85	5106.8	165.98	5133.3	168.36	5254.7	169.26
5325.3	169.79								

Manning's n Values num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15

Bank Sta: Left Right Coeff Contr. Expan.

4989.5	5009.8		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4194.3	4982.83	165.73	F
5016.47	5325.3	165.71	F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Abutments = 2

Abutment Data

Upstream num= 2

Sta	Elev	Sta	Elev
4988.6	164.51	4995.3	160.94

Downstream num= 2

Sta	Elev	Sta	Elev
4988.6	164.3	4995.3	160.73

Abutment Data

Upstream num= 2

Sta	Elev	Sta	Elev
5002.8	160.5	5012.99	164.36

Downstream num= 2

Sta	Elev	Sta	Elev
5002.8	160.29	5012.99	164.15

Number of Bridge Coefficient Sets = 1

ShotPouchBranch-P.rep

Low Flow Methods and Data

Energy

Momentum Cd = 2

Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Pressure and Weir flow

Submerged Inlet Cd =

Submerged Inlet + Outlet Cd = .8

Max Low Cord =

Additional Bridge Parameters

Add Friction component to Momentum

Do not add Weight component to Momentum

Class B flow critical depth computations use critical depth
inside the bridge at the upstream end

Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 14450.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 41

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4194.3	169.77	4244.6	169.77	4290.3	169.3	4679.4	165.34	4745.7	164.67
4750.2	164.62	4805.9	163.65	4846.2	163.59	4846.5	163.59	4900.9	163.54
4941.9	163.4	4960.5	163.33	4976.39	163.57	4976.5	163.57	4976.61	163.58
4981.5	163.65	4988.6	162.16	4988.71	162.14	4988.8	162.12	4989.5	161.97
4995.3	160.71	4997.3	160.28	4998.9	160.11	5001.5	160.11	5002.7	160.23
5002.8	160.27	5009.8	163.24	5012.79	163.29	5012.9	163.29	5013	163.29
5024.29	163.48	5024.4	163.49	5024.51	163.49	5045.4	163.84	5048.3	163.89
5074	164.28	5084.7	164.83	5106.8	165.96	5133.3	168.34	5254.7	169.24
5325.3	169.77								

Manning's n Values num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4194.3	.1	4679.4	.15	4989.5	.045	5009.8	.15

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
4989.5 5009.8 585.5 585.5 585.5 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4194.3	4982.83	165.73	F

ShotPouchBranch-P.rep

5016.47 5325.3 165.71

F

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 13865.0

INPUT

Description: Cross Section SPB-24.0

Station Elevation Data num= 14

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4206.6	170	4345.4	170	4355.9	170	4509.4	170	4963.65	162.75
4991.65	161.55	4993.35	160.12	4999.55	159.56	5000	159.51	5005.45	158.9
5006.55	160.26	5008.35	161.34	5017.25	162.82	5309.7	170		

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4206.6	.1	4355.9	.15	4991.65	.045	5008.35	.15

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	4991.65	5008.35		521	521	521		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 13344.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 30

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.74	4635.9	172.18	4724.1	170.42	4744.2	170.02	4801	164.12
4822.2	161.92	4865.1	161.45	4879.2	161.46	4917.4	161.48	4946.9	161.61
4963.7	161.68	4991.7	160.48	4993.4	159.05	4999.6	158.49	5005.5	157.83
5006.6	159.19	5008.4	160.27	5017.3	161.75	5030.8	162.07	5054	162.63
5091.7	163.81	5096.1	163.72	5143.3	162.77	5164.3	163.3	5202.3	164.25
5229	165.9	5295.8	170.02	5547.7	170.02	5835.6	170.02	5862.8	170.02

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4457.9	.12	4991.7	.045	5008.4	.12

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	4991.7	5008.4		238	238	238		.3	.5

Ineffective Flow num= 2
Sta L Sta R Elev Permanent

ShotPouchBranch-P.rep

4457.9 4980 167.05 F
5015 5862.8 166.1 F

CULVERT

RIVER: Main Stem

REACH: Reach - 1 RS: 13225.0

INPUT

Description: HWY 378 *****THREE CULVERTS VERY CLOSE TOGETHER, MODEL AS ONE***

Structure ID: SPB9

Distance from Upstream XS = 10

Deck/Roadway Width = 218

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 30

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
4457.9	175.72	175.72	4635.9	173.04	172.16	4724.1	171.13	170.4
4744.2	170.69	170	4801	169.44	164.1	4822.2	169.1	161.9
4865.1	168.42	161.43	4879.2	168.19	161.44	4917.4	167.76	161.46
4946.9	167.42	161.59	4963.7	167.25	161.66	4991.7	166.96	160.46
4993.4	166.94	159.03	4999.6	166.88	158.47	5005.5	166.82	157.81
5006.6	166.81	159.17	5008.4	166.79	160.25	5017.3	166.7	161.73
5030.8	166.56	162.05	5054	166.39	162.61	5091.7	166.1	163.79
5096.1	166.07	163.7	5143.3	166.1	162.75	5164.3	166.11	163.28
5202.3	166.18	164.23	5229	166.23	165.88	5295.8	170.01	170
5547.7	170.01	170	5835.6	170.01	170	5862.8	170	170

Upstream Bridge Cross Section Data

Station Elevation Data num= 30

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.72	4635.9	172.16	4724.1	170.4	4744.2	170	4801	164.1
4822.2	161.9	4865.1	161.43	4879.2	161.44	4917.4	161.46	4946.9	161.59
4963.7	161.66	4991.7	160.46	4993.4	159.03	4999.6	158.47	5005.5	157.81
5006.6	159.17	5008.4	160.25	5017.3	161.73	5030.8	162.05	5054	162.61
5091.7	163.79	5096.1	163.7	5143.3	162.75	5164.3	163.28	5202.3	164.23
5229	165.88	5295.8	170	5547.7	170	5835.6	170	5862.8	170

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4457.9	.12	4991.7	.045	5008.4	.12

Bank Sta: Left Right Coeff Contr. Expan.

4991.7 5008.4 .3 .5

Ineffective Flow

num= 2

Sta L	Sta R	Elev	Permanent

ShotPouchBranch-P.rep

4457.9 4980 167.05 F
5015 5862.8 166.1 F

Downstream Deck/Roadway Coordinates

num= 30

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4457.9	175.72	175.61	4635.9	173.04	172.05	4724.1	171.13	170.29						
4744.2	170.69	169.89	4801	169.44	163.99	4822.2	169.1	161.79						
4865.1	168.42	161.32	4879.2	168.19	161.33	4917.4	167.76	161.35						
4946.9	167.42	161.48	4963.7	167.25	161.55	4991.7	166.96	160.35						
4993.4	166.94	158.92	4999.6	166.88	158.36	5005.5	166.82	157.7						
5006.6	166.81	159.06	5008.4	166.79	160.14	5017.3	166.7	161.62						
5030.8	166.56	161.94	5054	166.39	162.5	5091.7	166.1	163.68						
5096.1	166.07	163.59	5143.3	166.1	162.64	5164.3	166.11	163.17						
5202.3	166.18	164.12	5229	166.23	165.77	5295.8	170.01	169.89						
5547.7	170.01	169.89	5835.6	170.01	169.89	5862.8	170	169.89						

Downstream Bridge Cross Section Data

Station Elevation Data num= 30

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.61	4635.9	172.05	4724.1	170.29	4744.2	169.89	4801	163.99
4822.2	161.79	4865.1	161.32	4879.2	161.33	4917.4	161.35	4946.9	161.48
4963.7	161.55	4991.7	160.35	4993.4	158.92	4999.6	158.36	5005.5	157.7
5006.6	159.06	5008.4	160.14	5017.3	161.62	5030.8	161.94	5054	162.5
5091.7	163.68	5096.1	163.59	5143.3	162.64	5164.3	163.17	5202.3	164.12
5229	165.77	5295.8	169.89	5547.7	169.89	5835.6	169.89	5862.8	169.89

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4457.9	.12	4991.7	.045	5008.4	.12

Bank Sta: Left Right Coeff Contr. Expan.
4991.7 5008.4 .3 .5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4457.9	4980	165.7	F
5015	5862.8	162.7	F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
Downstream Embankment side slope = 1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Culverts = 2

ShotPouchBranch-P.rep

Culvert Name Shape Rise Span
 Culvert #1 Box 5 5
 FHWA Chart # 8 - flared wingwalls
 FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 10 218 .015 .015 0 .4

1

Upstream Elevation = 159.09
 Centerline Station = 4995.2
 Downstream Elevation = 158.9
 Centerline Station = 4995.2

Culvert Name Shape Rise Span
 Culvert #2 Box 5 5
 FHWA Chart # 8 - flared wingwalls
 FHWA Scale # 1 - Wingwall flared 30 to 75 deg.
 Solution Criteria = Highest U.S. EG
 Culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef
 Exit Loss Coef
 10 218 .015 .015 0 .4

1

Upstream Elevation = 159.09
 Centerline Station = 5000.5
 Downstream Elevation = 158.91
 Centerline Station = 5000.5

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 13106.0

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data		num= 30							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4457.9	175.57	4635.9	172.01	4724.1	170.25	4744.2	169.85	4801	163.95
4822.2	161.75	4865.1	161.28	4879.2	161.29	4917.4	161.31	4946.9	161.44
4963.7	161.51	4991.7	160.31	4993.4	158.88	4999.6	158.32	5005.5	157.66
5006.6	159.02	5008.4	160.1	5017.3	161.58	5030.8	161.9	5054	162.46
5091.7	163.64	5096.1	163.55	5143.3	162.6	5164.3	163.13	5202.3	164.08
5229	165.73	5295.8	169.85	5547.7	169.85	5835.6	169.85	5862.8	169.85

Manning's n Values num= 3
 Sta n Val Sta n Val Sta n Val
 4457.9 .12 4991.7 .045 5008.4 .12

ShotPouchBranch-P.rep

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4991.7	5008.4		494	494		.3	.5
Ineffective Flow	num=		2					
Sta L	Sta R	Elev	Permanent					
4457.9	4980	165.7	F					
5015	5862.8	162.7	F					

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 12612.0

INPUT

Description: Cross Section SPB-23.0

Station Elevation Data		num=		21					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4640.9	170	4804.8	165.19	4981	160.03	4982	160	4982.4	156.15
4985.3	155.9	4987.5	155.49	4990.9	156.26	4995.7	157.2	4996.2	157.43
4999.6	158.77	5000	158.79	5019	159.82	5040.4	160	5047.7	158.85
5051	159	5063	159.18	5067	158	5100	158	5150	159.6
5431.7	170								

Manning's n Values		num=		8					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4640.9	.12	4804.8	.15	4981	.045	5019	.15	5047.7	.045
5051	.013	5067	.12	5100	.12				

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		477	477		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 12135.0

INPUT

Description: Cross Section SPB-22.0

Station Elevation Data		num=		21					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4653.4	170	4723	166.55	4855.4	160	4981	157.7	4981.3	154.23
4982.4	154.06	4985.3	153.81	4987.5	153.4	4990.9	154.17	4995.7	155.11
4996.2	155.34	4999.6	156.68	5000	156.74	5019	159.73	5021.5	156.38
5022.5	156.41	5034.5	156.59	5035.5	156.62	5291.1	160	5359	162.95
5521.6	170								

ShotPouchBranch-P.rep

Manning's n Values		num= 6							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4653.4	.12	4723	.15	4981	.045	5019	.15	5022.5	.013
5035.5	.045								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		532 532	532		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 11603.0

INPUT

Description: Cross Section SPB-21.0

Station Elevation Data		num= 21							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4460.4	170	4540.6	167.15	4742.1	160	4981	155.36	4981.3	151.89
4982.4	151.72	4985.3	151.47	4987.5	151.06	4990.9	151.83	4995.7	152.77
4996.2	153	4999.6	154.34	5000	154.4	5019	154.76	5032.5	154.99
5044.5	155.17	5046.5	155.2	5049.5	155.92	5135.8	160	5344.7	165.66
5504.9	170								

Manning's n Values		num= 8							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4460.4	.12	4540.6	.15	4981	.045	5019	.15	5032.5	.013
5044.5	.013	5046.5	.15	5344.7	.12				

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4981	5019		732 732	732		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 10871.0

INPUT

Description: Cross Section SPB-20.0

Station Elevation Data		num= 25							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4040.8	170	4358.8	160	4850	159.36	4884	158.09	4935	157.79
4967.8	156.04	4993.6	148.95	4994.5	148.68	4995.6	148.51	4998.5	148.26
5000	147.98	5000.7	147.85	5004.1	148.62	5008.9	149.56	5009.4	149.79
5012.8	151.13	5032.2	156	5067.5	156	5080	156	5084.2	156
5096.2	156.1	5098.5	156	5127.8	156	5194.1	156	5948.4	156

ShotPouchBranch-P.rep

Manning's n Values num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4040.8	.15	4967.8	.045	5032.2	.15	5084.2	.013	5127.8	.12
5194.1	.12								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4967.8	5032.2		228	228		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10643.0

INPUT

Description: Cross Section SPB-19.0

Station Elevation Data num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4298.5	170	4363.7	166.53	4486.3	160	4953	156.54	4955	156.51
4967	156.33	4982.3	156.14	4993.6	147.95	4994.5	147.68	4995.6	147.51
4998.5	147.26	5000	146.98	5000.7	146.85	5004.1	147.62	5008.9	148.56
5009.4	148.79	5012.8	150.13	5032.2	156.18	5067.5	158.45	5103.2	160
5165.5	160.69	6006.3	170						

Manning's n Values num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4298.5	.12	4363.7	.15	4955	.013	4982.3	.045	4993.6	.045
5032.2	.15	5165.5	.12						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4982.3	5032.2		151.5	151.5		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10491.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 47

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	170.04	4357.4	170.04	4532.3	160.8	4546.6	160.04	4566.5	159.78
4614.5	159.16	4694.9	158.12	4728.6	157.44	4753.3	156.95	4810.7	156.42
4829.5	156.24	4893.7	156.7	4915.8	156.86	4960.8	156.76	4963.8	156.61
4967.3	155.76	4970.3	155.61	4982.3	155.43	4985.6	155.38	4993.7	147.28
4994.5	147.04	4994.6	147.01	4995.7	146.84	4998.6	146.59	5000.8	146.18
5004.2	146.95	5009	147.89	5009.5	148.12	5009.6	148.16	5012.9	149.46

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5023.49	152.76	5023.6	152.8	5023.7	152.83	5024.59	153.11	5024.7	153.14
5024.81	153.17	5032.3	155.51	5067.6	157.78	5104.7	158.28	5113.8	158.4
5166.2	160.86	5169.6	161.02	5174.3	161.24	5226.4	162.57	5257.6	163.36
6045.4	170.04	6143.9	170.04						

Manning's n Values num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4960.8	.013	4993.7	.045	5032.3	.15
5166.2	.12								

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	4982.3	5032.3		47	47	47		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4197.2	4970	158.5	F
5035	6143.9	158.5	F

BRIDGE

RIVER: Main Stem

REACH: Reach - 1

RS: 10468.0

INPUT

Description: DICKS STREET

Structure ID: SPB8

Distance from Upstream XS = 10

Deck/Roadway Width = 27

Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

num= 48

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4197.2		170		170	4357.4	170.01		170		4532.3	162.28		160.76	
4546.6	162.02		160		4566.5	161.66	159.74			4614.5	160.78		159.12	
4694.9	159.82	158.08			4728.6	159.42	157.4			4753.3	159.19		156.91	
4810.7	158.65	156.38			4829.5	158.52	156.2			4893.7	158.07		156.66	
4915.8	158.18	156.82			4967.9	158.46	157.96			4970.79	158.47		156.76	
4970.9	160.67	156.71			4971.01	160.67	156.67			4980.1	160.75		152.89	
4980.21	160.75	152.85			4980.3	160.75	157.85			4993.7	160.76		157.86	
4994.5	160.76	157.86			4994.6	160.76	157.86			4995.7	160.76		157.86	
4998.6	160.76	157.86			5000.8	160.76	157.86			5004.2	160.77		157.87	
5009	160.77	157.87			5009.5	160.77	157.87			5009.6	160.77		157.87	
5012.9	160.77	157.87			5023.49	160.78	157.88			5023.6	160.78		152.76	
5023.7	160.78	152.79			5024.59	160.78	153.07			5024.7	160.78		153.1	
5024.81	158.58	153.13			5032.3	158.67	155.47			5067.6	159.1		157.74	
5104.7	159.55	158.24			5113.8	159.67	158.36			5166.2	160.83		160.82	
5169.6	160.99	160.98			5174.3	161.21	161.2			5226.4	162.54		162.53	
5257.6	163.33	163.32			6045.4	170.01	170			6143.9	170		170	

ShotPouchBranch-P.rep

Upstream Bridge Cross Section Data

Station Elevation Data num= 48									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	170	4357.4	170	4532.3	160.76	4546.6	160	4566.5	159.74
4614.5	159.12	4694.9	158.08	4728.6	157.4	4753.3	156.91	4810.7	156.38
4829.5	156.2	4893.7	156.66	4915.8	156.82	4967.9	157.96	4970.79	156.76
4970.9	156.71	4971.01	156.67	4980.1	152.89	4980.21	152.85	4980.3	152.81
4993.7	147.24	4994.5	147	4994.6	146.97	4995.7	146.8	4998.6	146.55
5000.8	146.14	5004.2	146.91	5009	147.85	5009.5	148.08	5009.6	148.12
5012.9	149.42	5023.49	152.72	5023.6	152.76	5023.7	152.79	5024.59	153.07
5024.7	153.1	5024.81	153.13	5032.3	155.47	5067.6	157.74	5104.7	158.24
5113.8	158.36	5166.2	160.82	5169.6	160.98	5174.3	161.2	5226.4	162.53
5257.6	163.32	6045.4	170	6143.9	170				

Manning's n Values num= 5									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4967.9	.045	5032.3	.15	5166.2	.12

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4967.9	5032.3		.3	.5

Ineffective Flow num= 2				
Sta L	Sta R	Elev	Permanent	
4197.2	4970	158.5	F	
5035	6143.9	158.5	F	

Downstream Deck/Roadway Coordinates

num= 48									
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4197.2	170	169.87	4357.4	170.01	169.87	4532.3	162.28	160.63	
4546.6	162.02	159.87	4566.5	161.66	159.61	4614.5	160.78	158.99	
4694.9	159.82	157.95	4728.6	159.42	157.27	4753.3	159.19	156.78	
4810.7	158.65	156.25	4829.5	158.52	156.07	4893.7	158.07	156.53	
4915.8	158.18	156.69	4967.9	158.46	157.83	4970.79	158.47	156.63	
4970.9	160.67	156.58	4971.01	160.67	156.54	4980.1	160.75	152.76	
4980.21	160.75	152.72	4980.3	160.75	157.72	4993.7	160.76	157.73	
4994.5	160.76	157.73	4994.6	160.76	157.73	4995.7	160.76	157.73	
4998.6	160.76	157.73	5000.8	160.76	157.73	5004.2	160.77	157.74	
5009	160.77	157.74	5009.5	160.77	157.74	5009.6	160.77	157.74	
5012.9	160.77	157.74	5023.49	160.78	157.75	5023.6	160.78	152.63	
5023.7	160.78	152.66	5024.59	160.78	152.94	5024.7	160.78	152.97	
5024.81	158.58	153	5032.3	158.67	155.34	5067.6	159.1	157.61	
5104.7	159.55	158.11	5113.8	159.67	158.23	5166.2	160.83	160.69	
5169.6	160.99	160.85	5174.3	161.21	161.07	5226.4	162.54	162.4	
5257.6	163.33	163.19	6045.4	170.01	169.87	6143.9	170	169.87	

Downstream Bridge Cross Section Data

Station Elevation Data num= 48	

ShotPouchBranch-P.rep

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	169.87	4357.4	169.87	4532.3	160.63	4546.6	159.87	4566.5	159.61
4614.5	158.99	4694.9	157.95	4728.6	157.27	4753.3	156.78	4810.7	156.25
4829.5	156.07	4893.7	156.53	4915.8	156.69	4967.9	157.83	4970.79	156.63
4970.9	156.58	4971.01	156.54	4980.1	152.76	4980.21	152.72	4980.3	152.68
4993.7	147.11	4994.5	146.87	4994.6	146.84	4995.7	146.67	4998.6	146.42
5000.8	146.01	5004.2	146.78	5009	147.72	5009.5	147.95	5009.6	147.99
5012.9	149.29	5023.49	152.59	5023.6	152.63	5023.7	152.66	5024.59	152.94
5024.7	152.97	5024.81	153	5032.3	155.34	5067.6	157.61	5104.7	158.11
5113.8	158.23	5166.2	160.69	5169.6	160.85	5174.3	161.07	5226.4	162.4
5257.6	163.19	6045.4	169.87	6143.9	169.87				

Manning's n Values	num=	5							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4967.9	.045	5032.3	.15	5166.2	.12

Bank Sta: Left	Right	Coeff	Contr.	Expan.
4967.9	5032.3		.3	.5

Ineffective Flow	num=	2	
Sta L	Sta R	Elev	Permanent
4197.2	4970	158.1	F
5035	6143.9	158.1	F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
Downstream Embankment side slope = 1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Abutments = 2

Abutment Data

Upstream	num=	2	
Sta	Elev	Sta	Elev
4980.1	157.85	4994.6	146.97
Downstream	num=	2	
Sta	Elev	Sta	Elev
4980.1	157.72	4994.6	146.84

Abutment Data

Upstream	num=	2	
Sta	Elev	Sta	Elev
5009.6	148.12	5023.69	157.88
Downstream	num=	2	
Sta	Elev	Sta	Elev
5009.6	147.99	5023.69	157.75

ShotPouchBranch-P.rep

Number of Piers = 2

Pier Data

Pier Station	Upstream=	4993.7	Downstream=	4993.7
Upstream	num=	2		
Width	Elev	Width	Elev	
1	146.09	1	158.86	
Downstream	num=	2		
Width	Elev	Width	Elev	
1	145.96	1	158.73	

Pier Data

Pier Station	Upstream=	5009	Downstream=	5009
Upstream	num=	2		
Width	Elev	Width	Elev	
1	146.75	1	158.87	
Downstream	num=	2		
Width	Elev	Width	Elev	
1	146.62	1	158.74	

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy

Momentum Cd = 2

Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Pressure and Weir flow

Submerged Inlet Cd =

Submerged Inlet + Outlet Cd = .8

Max Low Cord =

Additional Bridge Parameters

Add Friction component to Momentum

Do not add Weight component to Momentum

Class B flow critical depth computations use critical depth
inside the bridge at the upstream end

Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10444.5

INPUT

ShotPouchBranch-P.rep

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 47									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4197.2	169.87	4357.4	169.87	4532.3	160.63	4546.6	159.87	4566.5	159.61
4614.5	158.99	4694.9	157.95	4728.6	157.27	4753.3	156.78	4810.7	156.25
4829.5	156.07	4893.7	156.53	4915.8	156.69	4960.8	156.76	4963.8	156.61
4967.3	155.76	4970.3	155.61	4982.3	155.43	4985.6	155.38	4993.7	147.11
4994.5	146.87	4994.6	146.84	4995.7	146.67	4998.6	146.42	5000.8	146.01
5004.2	146.78	5009	147.72	5009.5	147.95	5009.6	147.99	5012.9	149.29
5023.49	152.59	5023.6	152.63	5023.7	152.66	5024.59	152.94	5024.7	152.97
5024.81	153	5032.3	155.34	5067.6	157.61	5104.7	158.11	5113.8	158.23
5166.2	160.69	5169.6	160.85	5174.3	161.07	5226.4	162.4	5257.6	163.19
6045.4	169.87	6143.9	169.87						

Manning's n Values num= 5									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4197.2	.12	4566.5	.15	4960.8	.013	5032.3	.15	5166.2	.12
Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.									
4982.3	5032.3	261.5	261.5	261.5			.3	.5	
Ineffective Flow num= 2									
Sta L	Sta R	Elev	Permanent						
4197.2	4970	158.1	F						
5035	6143.9	158.1	F						

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 10183.0

INPUT

Description: Cross Section SPB-18.0

Station Elevation Data num= 19									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4528.9	170	4634.9	162.68	4673.8	160	4940.55	157.06	4944.55	156.42
4956.55	156.24	4959.55	156.42	4972.35	157.86	4984.3	155.6	4993.65	147.11
4998.55	145.93	4999.95	146.06	5000	146.66	5006.65	146.69	5024.39	153.57
5054	155.57	5169.9	158.97	5186.6	160	5725.1	170		
Manning's n Values num= 8									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4528.9	.12	4634.9	.15	4940.55	.045	4944.55	.013	4956.55	.013
4959.55	.045	5024.39	.15	5169.9	.12				
Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.									
4984.3	5024.39	591	591	591			.1	.3	

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CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 9592.0

INPUT

Description: Cross Section SPB-17.0

Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4278.9	170	4655.3	161.44	4718.8	160	4790.6	157.08	4957.12	154.33
4983.95	152.73	4991.55	146.85	4993.75	146.47	4995.75	145.94	4998.55	145.77
4999.95	145.9	5000	145.08	5006.65	146.47	5008.45	148.47	5012.25	149.05
5025.35	153.75	5046.07	156.61	5164.9	160	5605.1	170		

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4278.9	.12	4655.3	.12	4790.6	.15	4991.55	.045	5008.45	.12

Bank Sta: Left

Right

Lengths: Left Channel

Right

Coeff Contr.

Expan.

4983.95 5008.45

136.5 136.5

136.5

.1

.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 9455.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	170	3891.7	170	4122.6	170	4602.3	162.55	4766.1	160
4810.9	156.6	4815.5	156.25	4864.9	155.35	4891.6	154.87	4921	155.15
4948.5	155.42	4976.7	154.62	4985.7	149.11	4986.8	148.87	4991.3	147.89
4993.5	146.43	4995.5	145.9	4998.3	145.73	4999.7	145.86	5006.4	146.43
5008.2	148.43	5012	149.01	5018.6	154.42	5036.8	155.55	5046.4	156.14
5071.1	156.27	5090.3	156.51	5122.6	156.92	5144.8	159.7	5147.2	160
5238.4	162.07	5587.4	170	5821.5	170				

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta: Left

Right

Lengths: Left Channel

Right

Coeff Contr.

Expan.

4991.3 5008.2

299 299

299

.3

.5

Ineffective Flow

num=

2

Sta L Sta R

Elev Permanent

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3865.6 4975 155.2 F
5015 5821.5 156.3 F

CULVERT

RIVER: Main Stem
REACH: Reach - 1 RS: 9306.0

INPUT

Description: BROAD STREET

Structure ID: SPB7

Distance from Upstream XS = 10

Deck/Roadway Width = 279

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 33

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
3865.6	170		170		3891.7	170.01		170		4122.6	170.01		170	
4602.3	162.56	162.55			4766.1	160.01		160		4810.9	157.4		156.6	
4815.5	157.28	156.25			4864.9	155.96	155.35			4891.6	155.7		154.87	
4921	155.41	155.15			4948.5	155.54	155.42			4976.7	155.67		154.62	
4985.7	155.71	149.11			4986.8	155.72	148.87			4991.3	155.8		147.89	
4993.5	155.84	146.43			4995.5	155.87	145.9			4998.3	155.92		145.73	
4999.7	155.94	145.86			5006.4	156.06	146.43			5008.2	156.09		148.43	
5012	156.16	149.01			5018.6	156.27	154.42			5036.8	156.59		155.55	
5046.4	156.68	156.14			5071.1	156.9	156.27			5090.3	157.07		156.51	
5122.6	157.25	156.92			5144.8	159.71	159.7			5147.2	160.01		160	
5238.4	162.08	162.07			5587.4	170.01		170		5821.5	170		170	

Upstream Bridge Cross Section Data

Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	170	3891.7	170	4122.6	170	4602.3	162.55	4766.1	160
4810.9	156.6	4815.5	156.25	4864.9	155.35	4891.6	154.87	4921	155.15
4948.5	155.42	4976.7	154.62	4985.7	149.11	4986.8	148.87	4991.3	147.89
4993.5	146.43	4995.5	145.9	4998.3	145.73	4999.7	145.86	5006.4	146.43
5008.2	148.43	5012	149.01	5018.6	154.42	5036.8	155.55	5046.4	156.14
5071.1	156.27	5090.3	156.51	5122.6	156.92	5144.8	159.7	5147.2	160
5238.4	162.07	5587.4	170	5821.5	170				

Manning's n Values num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta: Left Right Coeff Contr. Expan.
4991.3 5008.2 .3 .5

Ineffective Flow num= 2

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Sta L	Sta R	Elev	Permanent
3865.6	4975	155.2	F
5015	5821.5	156.3	F

Downstream Deck/Roadway Coordinates

num= 33			
Sta	Hi	Cord	Lo Cord
3865.6	170	169.88	3891.7 170.01 169.88
4602.3	162.56	162.43	4766.1 160.01 159.88
4815.5	157.28	156.13	4864.9 155.96 155.23
4921	155.41	155.03	4948.5 155.54 155.3
4985.7	155.71	148.99	4986.8 155.72 148.75
4993.5	155.84	146.31	4995.5 155.87 145.78
4999.7	155.94	145.74	5006.4 156.06 146.31
5012	156.16	148.89	5018.6 156.27 154.3
5046.4	156.68	156.02	5071.1 156.9 156.15
5122.6	157.25	156.8	5144.8 159.71 159.58
5238.4	162.08	161.95	5587.4 170.01 169.88

Downstream Bridge Cross Section Data

Station Elevation Data num= 33			
Sta	Elev	Sta	Elev
3865.6	169.88	3891.7	169.88
4810.9	156.48	4815.5	156.13
4948.5	155.3	4976.7	154.5
4993.5	146.31	4995.5	145.78
5008.2	148.31	5012	148.89
5071.1	156.15	5090.3	156.39
5238.4	161.95	5587.4	169.88

Manning's n Values

Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12
4991.3	.045	5008.2	.12

Bank Sta: Left Right Coeff Contr. Expan.

4991.3	5008.2	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3865.6	4975	154	F
5015	5821.5	156.1	F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
 Downstream Embankment side slope = 1 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

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Number of Culverts = 3

Culvert Name	Shape	Rise	Span				
Culvert #3	Circular	4.5					
FHWA Chart # 1 - Concrete Pipe Culvert							
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill							
Solution Criteria = Highest U.S. EG							
Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef	
10	279	.015	.015	0		.5	

1
Upstream Elevation = 148.55
Centerline Station = 4986.5
Downstream Elevation = 148.14
Centerline Station = 4986.5

Culvert Name	Shape	Rise	Span				
Culvert #1	Circular	4.5					
FHWA Chart # 1 - Concrete Pipe Culvert							
FHWA Scale # 3 - Groove end entrance; pipe projecting from fill							
Solution Criteria = Highest U.S. EG							
Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef	
10	279	.015	.015	0		.5	

1
Upstream Elevation = 148.63
Centerline Station = 4991.6
Downstream Elevation = 148.51
Centerline Station = 4991.6

Culvert Name	Shape	Rise	Span				
Culvert #2	Ellipse	8.5	12				
FHWA Chart # 29- Horizontal Ellipse; Concrete							
FHWA Scale # 1 - Square edge with headwall							
Solution Criteria = Highest U.S. EG							
Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef	
10	279	.015	.015	0		.5	

1
Upstream Elevation = 145.7
Centerline Station = 5002
Downstream Elevation = 145.36
Centerline Station = 5002

CROSS SECTION

ShotPouchBranch-P.rep

RIVER: Main Stem

REACH: Reach - 1

RS: 9156.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data		num= 33		Sta Elev		Sta Elev		Sta Elev		Sta Elev	
3865.6	169.85	3891.7	169.85	4122.6	169.85	4602.3	162.4	4766.1	159.85		
4810.9	156.45	4815.5	156.1	4864.9	155.2	4891.6	154.72	4921	155		
4948.5	155.27	4976.7	154.47	4985.7	148.96	4986.8	148.72	4991.3	147.74		
4993.5	146.28	4995.5	145.75	4998.3	145.58	4999.7	145.71	5006.4	146.28		
5008.2	148.28	5012	148.86	5018.6	154.27	5036.8	155.4	5046.4	155.99		
5071.1	156.12	5090.3	156.36	5122.6	156.77	5144.8	159.55	5147.2	159.85		
5238.4	161.92	5587.4	169.85	5821.5	169.85						

Manning's n Values		num= 4		Sta n Val		Sta n Val	
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
4991.3	5008.2		125.5	125.5	125.5		.3	.5

Ineffective Flow		num= 2		Sta L Sta R Elev Permanent	
3865.6	4975	154	F		
5015	5821.5	156.1	F		

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 9031

INPUT

Description:

Station Elevation Data		num= 33		Sta Elev		Sta Elev		Sta Elev		Sta Elev	
3865.6	169.85	3891.7	169.85	4122.6	169.85	4602.3	162.4	4766.1	159.85		
4810.9	156.45	4815.5	156.1	4864.9	155.2	4891.6	154.72	4921	155		
4948.5	155.27	4976.7	154.47	4985.7	148.96	4986.8	148.72	4991.3	147.74		
4993.5	146.28	4995.5	145.75	4998.3	145.58	4999.7	145.71	5006.4	146.28		
5008.2	148.28	5012	148.86	5018.6	154.27	5036.8	155.4	5046.4	155.99		
5071.1	156.12	5090.3	156.36	5122.6	156.77	5144.8	159.55	5147.2	159.85		
5238.4	161.92	5587.4	169.85	5821.5	169.85						

Manning's n Values		num= 4		Sta n Val		Sta n Val	
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

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Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4976.7	5018.6	20	20	20		.1	.3

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3865.6	4976.7	155	F
5018.6	5821.5	155	F

BRIDGE

RIVER: Main Stem
 REACH: Reach - 1 RS: 9021

INPUT

Description: Footbridge
 Distance from Upstream XS = 5
 Deck/Roadway Width = 10
 Weir Coefficient = 2.6
 Upstream Deck/Roadway Coordinates
 num= 3

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4967.5	155.09	154.47	5000	156	155.38	5046.4	156.62	156						

Upstream Bridge Cross Section Data

Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	169.85	3891.7	169.85	4122.6	169.85	4602.3	162.4	4766.1	159.85
4810.9	156.45	4815.5	156.1	4864.9	155.2	4891.6	154.72	4921	155
4948.5	155.27	4976.7	154.47	4985.7	148.96	4986.8	148.72	4991.3	147.74
4993.5	146.28	4995.5	145.75	4998.3	145.58	4999.7	145.71	5006.4	146.28
5008.2	148.28	5012	148.86	5018.6	154.27	5036.8	155.4	5046.4	155.99
5071.1	156.12	5090.3	156.36	5122.6	156.77	5144.8	159.55	5147.2	159.85
5238.4	161.92	5587.4	169.85	5821.5	169.85				

Manning's n Values num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta: Left	Right	Coeff	Contr.	Expan.
4976.7	5018.6		.1	.3

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3865.6	4976.7	155	F
5018.6	5821.5	155	F

Downstream Deck/Roadway Coordinates

num= 3

Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord

ShotPouchBranch-P.rep

4967.5 155.09 154.47 5000 156 155.38 5046.4 156.62 156

Downstream Bridge Cross Section Data

Station Elevation Data num= 33

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	169.85	3891.7	169.85	4122.6	169.85	4602.3	162.4	4766.1	159.85
4810.9	156.45	4815.5	156.1	4864.9	155.2	4891.6	154.72	4921	155
4948.5	155.27	4976.7	154.47	4985.7	148.96	4986.8	148.72	4991.3	147.74
4993.5	146.28	4995.5	145.75	4998.3	145.58	4999.7	145.71	5006.4	146.28
5008.2	148.28	5012	148.86	5018.6	154.27	5036.8	155.4	5046.4	155.99
5071.1	156.12	5090.3	156.36	5122.6	156.77	5144.8	159.55	5147.2	159.85
5238.4	161.92	5587.4	169.85	5821.5	169.85				

Manning's n Values

num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta: Left Right Coeff Contr. Expan.

4976.7 5018.6 .1 .3

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
3865.6	4976.7	155	F
5018.6	5821.5	155	F

Upstream Embankment side slope = 2 horiz. to 1.0 vertical
Downstream Embankment side slope = 2 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .98
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy

Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Energy Only

Additional Bridge Parameters

Add Friction component to Momentum

Do not add Weight component to Momentum

Class B flow critical depth computations use critical depth
inside the bridge at the upstream end

Criteria to check for pressure flow = Upstream energy grade line

ShotPouchBranch-P.rep

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 9011

INPUT

Description:

Station Elevation Data				num=	33				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3865.6	169.85	3891.7	169.85	4122.6	169.85	4602.3	162.4	4766.1	159.85
4810.9	156.45	4815.5	156.1	4864.9	155.2	4891.6	154.72	4921	155
4948.5	155.27	4976.7	154.47	4985.7	148.96	4986.8	148.72	4991.3	147.74
4993.5	146.28	4995.5	145.75	4998.3	145.58	4999.7	145.71	5006.4	146.28
5008.2	148.28	5012	148.86	5018.6	154.27	5036.8	155.4	5046.4	155.99
5071.1	156.12	5090.3	156.36	5122.6	156.77	5144.8	159.55	5147.2	159.85
5238.4	161.92	5587.4	169.85	5821.5	169.85				

Manning's n Values				num=	4		
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3865.6	.2	3891.7	.12	4991.3	.045	5008.2	.12

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	4976.7	5018.6		408	408	408		.1	.3

Ineffective Flow				num=	2
Sta L	Sta R	Elev	Permanent		
3865.6	4976.7	155	F		
5018.6	5821.5	155	F		

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 8603.0

INPUT

Description: Cross Section SPB-16.0

Station Elevation Data				num=	17				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4344.5	170	4584.8	160	4959.7	150	4985.95	147.24	4991.1	146.12
4991.55	146.02	4993.75	144.56	4995.75	144.03	4998.55	143.86	4999.95	143.99
5000	143.99	5006.65	144.56	5008.45	146.56	5012.25	147.14	5026.9	150
5202.9	160	5618.3	170						

Manning's n Values				num=	4		
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4344.5	.11	4991.1	.12	4991.55	.045	5008.45	.12

ShotPouchBranch-P.rep

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4991.55	5008.45	709	709	709		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 7894.0

INPUT

Description: Cross Section SPB-15.0

Station	Elevation	Data	num=	20
Sta	Elev	Sta	Elev	Sta
4541.2	160	4887.7	150	4971.5
4994.8	143.23	4998.5	142.23	5000
5009.9	143.94	5011.2	145.37	5024
5272.4	150	5368.4	150	5427.3

Manning's	n Values	num=	6
Sta	n Val	Sta	n Val
4541.2	.11	4971.5	.12
5368.4	.12		

Bank Sta: Left	Right	Lengths: Left	Channel	Right	Coeff	Contr.	Expan.
4976	5024	230	230	230		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 7664.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station	Elevation	Data	num=	55
Sta	Elev	Sta	Elev	Sta
4109.4	170.03	4206.5	170.03	4528.5
4759.6	154.99	4774.4	154.67	4814.3
4866.4	153.87	4876	153.89	4918
4968	154.24	4974.8	152.54	4976.99
4978.3	150.72	4978.41	150.67	4978.53
4993.6	142.51	4997.3	141.51	5000.6
5009.9	144.54	5010	144.65	5022.8
5023.3	150.38	5025.5	150.5	5030.29
5064	154.14	5071.8	154.59	5072.5
5139.3	154.59	5156.1	154.63	5196.4
5258.1	155.14	5455	160.03	5473.2

ShotPouchBranch-P.rep

Manning's n Values		num= 6							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4974.8	5022.8		70	70		.3	.5

Ineffective Flow		num= 2	
Sta L	Sta R	Elev	Permanent
4109.4	4970	155.8	F
5030	5888.6	155.8	F

BRIDGE

RIVER: Main Stem
 REACH: Reach - 1 RS: 7629.0

INPUT

Description: MILLER ROAD
 Structure ID: SPB6
 Distance from Upstream XS = 10
 Deck/Roadway Width = 50
 Weir Coefficient = 2.6
 Upstream Deck/Roadway Coordinates

num= 55									
Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	
4109.4	170	170	4206.5	170.01	170	4528.5	161.4	160	
4596.6	160	158.52	4706.7	156.67	156.12	4759.6	156.28	154.96	
4774.4	156.2	154.64	4814.3	155.98	154.35	4817.8	155.96	154.32	
4856	155.8	153.94	4866.4	155.76	153.84	4876	155.72	153.86	
4918	155.7	153.97	4928.8	155.7	154.02	4963.9	155.98	154.19	
4968	156.02	154.21	4974.8	156.07	152.51	4976.99	156.09	151.37	
4977.1	158.39	151.32	4977.21	158.39	151.26	4978.3	158.46	150.69	
4978.41	158.46	150.64	4978.53	158.46	150.57	4978.6	158.46	155.36	
4990	158.44	155.34	4993.6	158.44	155.34	4997.3	158.43	155.33	
5000.6	158.43	155.33	5004	158.42	155.32	5008.7	158.41	155.31	
5009.9	158.41	155.31	5010	158.41	155.31	5022.8	158.39	155.29	
5023.09	158.39	155.29	5023.2	158.39	150.34	5023.3	158.39	150.35	
5025.5	158.37	150.47	5030.29	158.33	150.92	5030.4	158.33	150.93	
5030.51	156.03	150.94	5064	155.84	154.11	5071.8	155.8	154.56	
5072.5	155.8	154.56	5084.7	155.73	154.52	5101.8	155.75	154.47	
5139.3	155.78	154.56	5156.1	155.78	154.6	5196.4	155.77	154.69	
5208	155.77	154.71	5257	155.79	155.1	5258.1	155.81	155.11	
5455	160.01	160	5473.2	160.82	160.81	5679.3	170.01	170	
5888.6	170	170							

Upstream Bridge Cross Section Data

ShotPouchBranch-P.rep

Station Elevation Data		num= 55							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4109.4	170	4206.5	170	4528.5	160	4596.6	158.52	4706.7	156.12
4759.6	154.96	4774.4	154.64	4814.3	154.35	4817.8	154.32	4856	153.94
4866.4	153.84	4876	153.86	4918	153.97	4928.8	154.02	4963.9	154.19
4968	154.21	4974.8	152.51	4976.99	151.37	4977.1	151.32	4977.21	151.26
4978.3	150.69	4978.41	150.64	4978.53	150.57	4978.6	150.54	4990	144.62
4993.6	142.48	4997.3	141.48	5000.6	140.91	5004	140.94	5008.7	143.19
5009.9	144.51	5010	144.62	5022.8	150.32	5023.09	150.34	5023.2	150.34
5023.3	150.35	5025.5	150.47	5030.29	150.92	5030.4	150.93	5030.51	150.94
5064	154.11	5071.8	154.56	5072.5	154.56	5084.7	154.52	5101.8	154.47
5139.3	154.56	5156.1	154.6	5196.4	154.69	5208	154.71	5257	155.1
5258.1	155.11	5455	160	5473.2	160.81	5679.3	170	5888.6	170

Manning's n Values		num= 6							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4974.8	5022.8		.3	.5

Ineffective Flow		num= 2			
Sta L	Sta R	Elev	Permanent		
4109.4	4970	155.8	F		
5030	5888.6	155.8	F		

Downstream Deck/Roadway		Coordinates							
num= 55									
Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta
4109.4	170	169.83	4206.5	170.01	169.83	4528.5	161.4	159.83	
4596.6	160	158.35	4706.7	156.67	155.95	4759.6	156.28	154.79	
4774.4	156.2	154.47	4814.3	155.98	154.18	4817.8	155.96	154.15	
4856	155.8	153.77	4866.4	155.76	153.67	4876	155.72	153.69	
4918	155.7	153.8	4928.8	155.7	153.85	4963.9	155.98	154.02	
4968	156.02	154.04	4974.8	156.07	152.34	4976.99	156.09	151.2	
4977.1	158.39	151.15	4977.21	158.39	151.09	4978.3	158.46	150.52	
4978.41	158.46	150.47	4978.53	158.46	150.4	4978.6	158.46	155.19	
4990	158.44	155.17	4993.6	158.44	155.17	4997.3	158.43	155.16	
5000.6	158.43	155.16	5004	158.42	155.15	5008.7	158.41	155.14	
5009.9	158.41	155.14	5010	158.41	155.14	5022.8	158.39	155.12	
5023.09	158.39	155.12	5023.2	158.39	150.17	5023.3	158.39	150.18	
5025.5	158.37	150.3	5030.29	158.33	150.75	5030.4	158.33	150.76	
5030.51	156.03	150.77	5064	155.84	153.94	5071.8	155.8	154.39	
5072.5	155.8	154.39	5084.7	155.73	154.35	5101.8	155.75	154.3	
5139.3	155.78	154.39	5156.1	155.78	154.43	5196.4	155.77	154.52	
5208	155.77	154.54	5257	155.79	154.93	5258.1	155.81	154.94	
5455	160.01	159.83	5473.2	160.82	160.64	5679.3	170.01	169.83	
5888.6	170	169.83							

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Downstream Bridge Cross Section Data

Station Elevation Data		num=		55					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4109.4	169.83	4206.5	169.83	4528.5	159.83	4596.6	158.35	4706.7	155.95
4759.6	154.79	4774.4	154.47	4814.3	154.18	4817.8	154.15	4856	153.77
4866.4	153.67	4876	153.69	4918	153.8	4928.8	153.85	4963.9	154.02
4968	154.04	4974.8	152.34	4976.99	151.2	4977.1	151.15	4977.21	151.09
4978.3	150.52	4978.41	150.47	4978.53	150.4	4978.6	150.37	4990	144.45
4993.6	142.31	4997.3	141.31	5000.6	140.74	5004	140.77	5008.7	143.02
5009.9	144.34	5010	144.45	5022.8	150.15	5023.09	150.17	5023.2	150.17
5023.3	150.18	5025.5	150.3	5030.29	150.75	5030.4	150.76	5030.51	150.77
5064	153.94	5071.8	154.39	5072.5	154.39	5084.7	154.35	5101.8	154.3
5139.3	154.39	5156.1	154.43	5196.4	154.52	5208	154.54	5257	154.93
5258.1	154.94	5455	159.83	5473.2	160.64	5679.3	169.83	5888.6	169.83

Manning's n Values		num=		6					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4974.8	5022.8		.3	.5

Ineffective Flow		num=		2	
Sta L	Sta R	Elev	Permanent		
4109.4	4970	153.3	F		
5030	5888.6	153.3	F		

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
Downstream Embankment side slope = 1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Abutments = 1

Abutment Data

Upstream		num=		2	
Sta	Elev	Sta	Elev		
5010	144.62	5023.29	155.29		
Downstream		num=		2	
Sta	Elev	Sta	Elev		
5010	144.45	5023.29	155.12		

Number of Piers = 2

ShotPouchBranch-P.rep

Pier Data

Pier Station Upstream= 4993.6 Downstream= 4993.6

Upstream num= 2
 Width Elev Width Elev
 1 141.34 1 156.34
 Downstream num= 2
 Width Elev Width Elev
 1 141.17 1 156.17

Pier Data

Pier Station Upstream= 5008.7 Downstream= 5008.7

Upstream num= 2
 Width Elev Width Elev
 1 141.95 1 156.31
 Downstream num= 2
 Width Elev Width Elev
 1 141.78 1 156.14

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy
 Momentum Cd = 2
 Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Pressure and Weir flow
 Submerged Inlet Cd =
 Submerged Inlet + Outlet Cd = .8
 Max Low Cord =

Additional Bridge Parameters

Add Friction component to Momentum
 Do not add Weight component to Momentum
 Class B flow critical depth computations use critical depth
 inside the bridge at the upstream end
 Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 7594.0

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 55
 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

ShotPouchBranch-P.rep

4109.4	169.81	4206.5	169.81	4528.5	159.81	4596.6	158.33	4706.7	155.93
4759.6	154.77	4774.4	154.45	4814.3	154.16	4817.8	154.13	4856	153.75
4866.4	153.65	4876	153.67	4918	153.78	4928.8	153.83	4963.9	154
4968	154.02	4974.8	152.32	4976.99	151.18	4977.1	151.13	4977.21	151.07
4978.3	150.5	4978.41	150.45	4978.53	150.38	4978.6	150.35	4990	144.43
4993.6	142.29	4997.3	141.29	5000.6	140.72	5004	140.75	5008.7	143
5009.9	144.32	5010	144.43	5022.8	150.13	5023.09	150.15	5023.2	150.15
5023.3	150.16	5025.5	150.28	5030.29	150.73	5030.4	150.74	5030.51	150.75
5064	153.92	5071.8	154.37	5072.5	154.37	5084.7	154.33	5101.8	154.28
5139.3	154.37	5156.1	154.41	5196.4	154.5	5208	154.52	5257	154.91
5258.1	154.92	5455	159.81	5473.2	160.62	5679.3	169.81	5888.6	169.81

Manning's n Values			num= 6						
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4109.4	.12	4856	.11	4963.9	.15	4974.8	.045	5022.8	.15
5072.5	.12								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4974.8	5022.8		395	395		.3	.5
Ineffective Flow		num=	2					
Sta L	Sta R	Elev	Permanent					
4109.4	4970	153.3	F					
5030	5888.6	153.3	F					

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 7199.0

INPUT

Description: Cross Section SPB-14.0

Station Elevation Data			num= 16						
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4412.6	170	4732.3	160	4826.8	153.25	4872.2	150	4970.45	150.47
4977.05	147.77	4998.05	139.99	5000	140.01	5005.65	140.06	5014.55	140.49
5020.85	147.81	5029.55	148.54	5110.7	150	5279	156.82	5357.3	160
5537.4	170								

Manning's n Values			num= 5						
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4412.6	.12	4826.8	.15	4970.45	.045	5029.55	.15	5279	.12

Bank Sta: Left		Right	Lengths: Left Channel		Right	Coeff Contr.		Expan.
4970.45		5029.55	447 447		447	.1		.3

CROSS SECTION

ShotPouchBranch-P.rep

RIVER: Main Stem

REACH: Reach - 1

RS: 6752.0

INPUT

Description: Cross Section SPB-13.0

Station Elevation Data num= 15

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4692.3	160	4789.3	151.86	4811.5	150	4970.45	149.65	4977.05	146.95
4998.05	139.17	5000	139.19	5005.65	139.24	5014.55	139.67	5020.85	146.99
5029.55	147.72	5122.1	148.45	5320.6	150	5510.8	160	5747	170

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4692.3	.12	4789.3	.15	4970.45	.045	5029.55	.15	5122.1	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4970.45	5029.55		636	636		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 6116.0

INPUT

Description: Cross Section SPB-12.0

Station Elevation Data num= 15

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4236.1	160	4714.7	151.08	4772.6	150	4970.45	148.48	4977.05	145.78
4998.05	138	5000	138.02	5005.65	138.07	5014.55	138.5	5020.85	145.82
5029.55	146.55	5106.8	147.52	5303.5	150	5490.5	160	5803.2	170

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4236.1	.12	4714.7	.15	4970.45	.045	5029.55	.15	5106.8	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4970.45	5029.55		658	658		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 5458.0

INPUT

Description: Cross Section SPB-11.0

ShotPouchBranch-P.rep

Station Elevation Data				num=	14				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4483.8	170	4661.9	160	4683.1	158.63	4816.1	150	4970.45	147.26
4977.05	144.56	4998.05	136.78	5000	136.8	5005.65	136.85	5014.55	137.28
5020.85	144.6	5029.55	145.33	5559.3	150	5800.9	160		

Manning's n Values				num=	4			
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	
4483.8	.12	4683.1	.15	4970.45	.045	5029.55	.12	

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4970.45	5029.55		240	240		.1	.3

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 5218.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data				num=	37				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4325.7	170.02	4503.9	160.02	4538.2	158	4619.1	153.23	4673.6	150.02
4711.2	147.96	4720.9	147.93	4780.8	147.72	4783.8	147.71	4838.7	147.44
4855.9	147.35	4890.7	146.8	4892.7	146.91	4944.4	149.63	4947.2	149.58
4961.9	149.34	4971.5	147.82	4972.2	147.32	4978.1	143.12	4999.1	136.34
5006.7	136.41	5015.6	136.84	5021.9	143.16	5023.6	143.3	5030.6	143.89
5036.8	146.61	5053.3	149.46	5058.3	149.64	5089.2	150.74	5092.3	150.85
5134.4	151.11	5145.6	151.17	5194.5	151.45	5201.3	151.41	5437.3	150.02
5849.5	160.02	5946.8	160.02						

Manning's n Values				num=	5				
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4978.1	5030.6		116	116		.3	.5

Ineffective Flow				num=	2	
Sta L	Sta R	Elev	Permanent			
4325.7	4965	151.9	F			
5035	5946.8	151.9	F			

CULVERT

RIVER: Main Stem
 REACH: Reach - 1 RS: 5160.0

ShotPouchBranch-P.rep

INPUT

Description: GUIGNARD DRIVE

Structure ID: SPB5

Distance from Upstream XS = 10

Deck/Roadway Width = 96

Weir Coefficient = 3

Upstream Deck/Roadway Coordinates

num= 37									
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4325.7	170	170	4503.9	160	160	4538.2	157.98	157.98	
4619.1	153.22	153.21	4673.6	152.3	150	4711.2	152.16	147.94	
4720.9	152.12	147.91	4780.8	151.69	147.7	4783.8	151.69	147.69	
4838.7	151.62	147.42	4855.9	151.59	147.33	4890.7	151.53	146.78	
4892.7	151.53	146.89	4944.4	151.34	149.61	4947.2	151.33	149.56	
4961.9	151.59	149.32	4971.5	151.76	147.8	4972.2	151.77	147.3	
4978.1	151.8	143.1	4999.1	151.93	136.32	5006.7	151.97	136.39	
5015.6	152.02	136.82	5021.9	152.06	143.14	5023.6	152.07	143.28	
5030.6	152.06	143.87	5036.8	152.04	146.59	5053.3	152.01	149.44	
5058.3	152	149.62	5089.2	151.94	150.72	5092.3	151.95	150.83	
5134.4	152.12	151.09	5145.6	152.16	151.15	5194.5	152.35	151.43	
5201.3	152.38	151.39	5437.3	154.79	150	5849.5	160.01	160	
5946.8	160	160							

Upstream Bridge Cross Section Data

Station Elevation Data num= 37									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4325.7	170	4503.9	160	4538.2	157.98	4619.1	153.21	4673.6	150
4711.2	147.94	4720.9	147.91	4780.8	147.7	4783.8	147.69	4838.7	147.42
4855.9	147.33	4890.7	146.78	4892.7	146.89	4944.4	149.61	4947.2	149.56
4961.9	149.32	4971.5	147.8	4972.2	147.3	4978.1	143.1	4999.1	136.32
5006.7	136.39	5015.6	136.82	5021.9	143.14	5023.6	143.28	5030.6	143.87
5036.8	146.59	5053.3	149.44	5058.3	149.62	5089.2	150.72	5092.3	150.83
5134.4	151.09	5145.6	151.15	5194.5	151.43	5201.3	151.39	5437.3	150
5849.5	160	5946.8	160						

Manning's n Values

num= 5									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta: Left Right Coeff Contr. Expan.

4978.1 5030.6 .3 .5

Ineffective Flow

num= 2			
Sta L	Sta R	Elev	Permanent
4325.7	4965	151.9	F
5035	5946.8	151.9	F

Downstream Deck/Roadway Coordinates

ShotPouchBranch-P.rep

num=		37												
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4325.7		170	169.89		4503.9		160	159.89		4538.2		157.98	157.87	
4619.1	153.22		153.1		4673.6	152.3		149.89		4711.2	152.16		147.83	
4720.9	152.12		147.8		4780.8	151.69		147.59		4783.8	151.69		147.58	
4838.7	151.62		147.31		4855.9	151.59		147.22		4890.7	151.53		146.67	
4892.7	151.53		146.78		4944.4	151.34		149.5		4947.2	151.33		149.45	
4961.9	151.59		149.21		4971.5	151.76		147.69		4972.2	151.77		147.19	
4978.1	151.8		142.99		4999.1	151.93		136.21		5006.7	151.97		136.28	
5015.6	152.02		136.71		5021.9	152.06		143.03		5023.6	152.07		143.17	
5030.6	152.06		143.76		5036.8	152.04		146.48		5053.3	152.01		149.33	
5058.3		152	149.51		5089.2	151.94		150.61		5092.3	151.95		150.72	
5134.4	152.12		150.98		5145.6	152.16		151.04		5194.5	152.35		151.32	
5201.3	152.38		151.28		5437.3	154.79		149.89		5849.5	160.01		159.89	
5946.8		160	159.89											

Downstream Bridge Cross Section Data

Station Elevation Data		num=		37					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4325.7	169.89	4503.9	159.89	4538.2	157.87	4619.1	153.1	4673.6	149.89
4711.2	147.83	4720.9	147.8	4780.8	147.59	4783.8	147.58	4838.7	147.31
4855.9	147.22	4890.7	146.67	4892.7	146.78	4944.4	149.5	4947.2	149.45
4961.9	149.21	4971.5	147.69	4972.2	147.19	4978.1	142.99	4999.1	136.21
5006.7	136.28	5015.6	136.71	5021.9	143.03	5023.6	143.17	5030.6	143.76
5036.8	146.48	5053.3	149.33	5058.3	149.51	5089.2	150.61	5092.3	150.72
5134.4	150.98	5145.6	151.04	5194.5	151.32	5201.3	151.28	5437.3	149.89
5849.5	159.89	5946.8	159.89						

Manning's n Values		num=		5					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4978.1	5030.6		.3	.5

Ineffective Flow		num=		2				
Sta L	Sta R	Elev	Permanent					
4325.7	4965	151	F					
5035	5946.8	151	F					

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
Downstream Embankment side slope = 1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Culverts = 3

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Culvert Name	Shape	Rise	Span					
Culvert #1	Box	10	10					
FHWA Chart # 8 - flared wingwalls								
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.								
Solution Criteria = Highest U.S. EG								
Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef			
Exit Loss Coef	10	96	.015	.015	0	.4		

1
Upstream Elevation = 136.12
Centerline Station = 5006.5
Downstream Elevation = 136.42
Centerline Station = 5006.5

Culvert Name	Shape	Rise	Span					
Culvert #2	Box	10	10					
FHWA Chart # 8 - flared wingwalls								
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.								
Solution Criteria = Highest U.S. EG								
Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef			
Exit Loss Coef	10	96	.015	.015	0	.4		

1
Upstream Elevation = 136.14
Centerline Station = 5017.1
Downstream Elevation = 136.47
Centerline Station = 5017.1

Culvert Name	Shape	Rise	Span					
Culvert #3	Box	10	10					
FHWA Chart # 8 - flared wingwalls								
FHWA Scale # 1 - Wingwall flared 30 to 75 deg.								
Solution Criteria = Highest U.S. EG								
Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef			
Exit Loss Coef	10	96	.015	.015	0	.4		

1
Upstream Elevation = 136.15
Centerline Station = 4995.4
Downstream Elevation = 136.37
Centerline Station = 4995.4

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 5102.0

ShotPouchBranch-P.rep

INPUT

Description: Downstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 37									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4325.7	169.89	4503.9	159.89	4538.2	157.87	4619.1	153.1	4673.6	149.89
4711.2	147.83	4720.9	147.8	4780.8	147.59	4783.8	147.58	4838.7	147.31
4855.9	147.22	4890.7	146.67	4892.7	146.78	4944.4	149.5	4947.2	149.45
4961.9	149.21	4971.5	147.69	4972.2	147.19	4978.1	142.99	4999.1	136.21
5006.7	136.28	5015.6	136.71	5021.9	143.03	5023.6	143.17	5030.6	143.76
5036.8	146.48	5053.3	149.33	5058.3	149.51	5089.2	150.61	5092.3	150.72
5134.4	150.98	5145.6	151.04	5194.5	151.32	5201.3	151.28	5437.3	149.89
5849.5	159.89	5946.8	159.89						

Manning's n Values num= 5									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4325.7	.12	4538.2	.15	4978.1	.045	5030.6	.15	5058.3	.12

Bank Sta:	Left	Right	Lengths:		Left Channel	Right	Coeff Contr.		Expan.
	4978.1	5030.6			423	423		.3	.5

Ineffective Flow num= 2				
Sta L	Sta R	Elev	Permanent	
4325.7	4965	151	F	
5035	5946.8	151	F	

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 4679.0

INPUT

Description: Cross Section SPB-10.0

Station Elevation Data num= 21									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4404.3	160	4510.6	160	4562.9	160	4648.2	153.78	4700	150
4930.2	142.76	4938	142.76	4950	142.45	4953.1	142.42	4975.8	143.64
4986.5	143.14	4988.9	140.74	4995.1	136.16	5000	137.34	5001	137.58
5009.2	141.27	5013.1	143.16	5024.2	143.63	5258.2	149.03	5300	150
5447.5	160								

Manning's n Values num= 7									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4404.3	.12	4648.2	.15	4938	.013	4953.1	.045	4975.8	.045
5024.2	.15	5258.2	.12						

Bank Sta:	Left	Right	Lengths:		Left Channel	Right	Coeff Contr.		Expan.
	4975.8	5024.2			235	235		.1	.3

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CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 4444.0

INPUT

Description: Cross Section SPB-9.0

Station Elevation Data num= 22

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4413.7	160	4528.6	160	4589.7	160	4678.8	153.07	4718.3	150
4930.2	142.76	4938	142.76	4950	142.45	4953.1	142.42	4975.8	143.61
4986.5	143.11	4988.9	140.71	4995.1	136.13	5000	137.31	5001	137.55
5009.2	141.24	5013.1	143.13	5024.2	143.6	5256.5	148.41	5333.2	150
5606.6	160	5761.6	170						

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4413.7	.12	4678.8	.15	4938	.013	4953.1	.045	4975.8	.045
5024.2	.15	5256.5	.12						

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	4975.8	5024.2		192.5	192.5	192.5		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 4276.5

INPUT

Description:

Station Elevation Data num= 61

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81
4877.8	145.64	4910.3	144.72	4921.6	144.4	4930.2	142.76	4938	142.76
4950	142.45	4953.1	142.42	4961.5	144.98	4976	143.59	4976.19	143.58
4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46	4978.8	143.46
4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28	4995.3	136.11
5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11	5013.3	143.12
5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81	5020.79	143.75
5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84	5057.1	146.15
5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94	5087	145.3
5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85	5195.6	148.84
5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160	5708.4	170
5736.3	170								

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Manning's n Values		num= 5							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4938	.013	4953.1	.045	4976	.045	5024.4	.13

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4986.6	5013.2		20	20		.1	.3

BRIDGE

RIVER: Main Stem
 REACH: Reach - 1 RS: 4266.5

INPUT

Description:

Distance from Upstream XS = 5
 Deck/Roadway Width = 10
 Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

num= 7											
Sta	Hi	Cord	Lo Cord	Sta	Hi	Cord	Lo Cord	Sta	Hi	Cord	Lo Cord
4921.6	144.73	144.4		4961.5	150	149.67		4975	150	149.67	
5000	150	149.67		5025	150	149.67		5060.2	150	149.67	
5122.5	144.91	144.68									

Upstream Bridge Cross Section Data

Station Elevation Data				num= 61							
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79		
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81		
4877.8	145.64	4910.3	144.72	4921.6	144.4	4930.2	142.76	4938	142.76		
4950	142.45	4953.1	142.42	4961.5	144.98	4976	143.59	4976.19	143.58		
4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46	4978.8	143.46		
4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28	4995.3	136.11		
5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11	5013.3	143.12		
5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81	5020.79	143.75		
5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84	5057.1	146.15		
5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94	5087	145.3		
5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85	5195.6	148.84		
5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160	5708.4	170		
5736.3	170										

Manning's n Values		num= 5							
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4938	.013	4953.1	.045	4976	.045	5024.4	.13

Bank Sta:	Left	Right	Coeff	Contr.	Expan.

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4986.6 5013.2

.1 .3

Downstream Deck/Roadway Coordinates

num= 7														
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4921.6	144.73	144.4	4961.5	150	149.67	4975	150	149.67						
5000	150	149.67	5025	150	149.67	5060.2	150	149.67						
5122.5	144.91	144.68												

Downstream Bridge Cross Section Data

Station Elevation Data num= 61									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81
4877.8	145.64	4910.3	144.72	4921.6	144.4	4930.2	142.76	4938	142.76
4950	142.45	4953.1	142.42	4961.5	144.98	4976	143.59	4976.19	143.58
4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46	4978.8	143.46
4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28	4995.3	136.11
5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11	5013.3	143.12
5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81	5020.79	143.75
5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84	5057.1	146.15
5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94	5087	145.3
5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85	5195.6	148.84
5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160	5708.4	170
5736.3	170								

Manning's n Values

num= 5									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4938	.013	4953.1	.045	4976	.045	5024.4	.13

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4986.6	5013.2	.1	.3	

Upstream Embankment side slope = 2 horiz. to 1.0 vertical
 Downstream Embankment side slope = 2 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .98
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Piers = 6

Pier Data

Pier Station	Upstream=	4987	Downstream=	4987
Upstream	num= 2			
Width	Elev	Width	Elev	
1	135	1	149.67	

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Downstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Pier Data

Pier Station	Upstream=	4993.5	Downstream=	4993.5

Upstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Downstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Pier Data

Pier Station	Upstream=	5000	Downstream=	5000

Upstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Downstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Pier Data

Pier Station	Upstream=	5006.5	Downstream=	5006.5

Upstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Downstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Pier Data

Pier Station	Upstream=	5013	Downstream=	5013

Upstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Downstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Pier Data

Pier Station	Upstream=	5019.5	Downstream=	5019.5

Upstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

Downstream	num=	2
Width	Elev	Width Elev
1	135	1 149.67

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Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy

Selected Low Flow Methods = Highest Energy Answer

High Flow Method

Energy Only

Additional Bridge Parameters

Add Friction component to Momentum

Do not add Weight component to Momentum

Class B flow critical depth computations use critical depth
inside the bridge at the upstream end

Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 4256.5

INPUT

Description:

Station Elevation Data				num= 61					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81
4877.8	145.64	4910.3	144.72	4921.6	144.4	4930.2	142.76	4938	142.76
4950	142.45	4953.1	142.42	4961.5	144.98	4976	143.59	4976.19	143.58
4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46	4978.8	143.46
4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28	4995.3	136.11
5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11	5013.3	143.12
5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81	5020.79	143.75
5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84	5057.1	146.15
5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94	5087	145.3
5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85	5195.6	148.84
5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160	5708.4	170
5736.3	170								

Manning's n Values				num= 5					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4938	.013	4953.1	.045	4976	.045	5024.4	.13

Bank	Sta: Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4986.6	5013.2		5	5		.1	.3

ShotPouchBranch-P.rep

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 4251.5

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data				num= 61					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81
4877.8	145.64	4910.3	144.72	4921.6	144.4	4930.2	142.76	4938	142.76
4950	142.45	4953.1	142.42	4961.5	144.98	4976	143.59	4976.19	143.58
4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46	4978.8	143.46
4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28	4995.3	136.11
5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11	5013.3	143.12
5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81	5020.79	143.75
5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84	5057.1	146.15
5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94	5087	145.3
5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85	5195.6	148.84
5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160	5708.4	170
5736.3	170								

Manning's n Values				num= 5					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4938	.013	4953.1	.045	4976	.045	5024.4	.13

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	4976	5024.4		59	59	59		.3	.5

Ineffective Flow				num= 2	
Sta L	Sta R	Elev	Permanent		
4042.4	4970	150.1	F		
5030	5736.3	149.4	F		

BRIDGE

RIVER: Main Stem

REACH: Reach - 1

RS: 4222.0

INPUT

Description: HAYNSWORTH ST

Structure ID: SPB3

Distance from Upstream XS = 10

Deck/Roadway Width = 39

Weir Coefficient = 2.6

Upstream Deck/Roadway Coordinates

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num= 57								
Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
4042.4	160	160	4321.2	160.01	160	4630.4	154.94	150.55
4648.5	154.64	150	4714.7	153.56	149.79	4732.3	153.27	149.77
4779.7	152.53	149.7	4790	152.37	148.77	4820.5	151.84	146.02
4852.7	151.28	145.81	4877.8	150.84	145.64	4910.3	150.26	144.72
4921.6	150.18	144.4	4961.5	149.89	144.98	4976	149.78	143.59
4976.19	149.78	143.58	4976.3	154.28	143.58	4976.41	154.28	143.57
4978.6	154.34	143.47	4978.71	154.34	143.46	4978.8	154.34	148.84
4986.6	154.31	148.81	4986.7	154.31	148.81	4989.1	154.3	148.8
4991.9	154.29	148.79	4995.3	154.28	148.78	5001.2	154.26	148.76
5005.5	154.25	148.75	5009.4	154.23	148.73	5013.2	154.22	148.72
5013.3	154.22	148.72	5018.4	154.2	148.7	5019.39	154.2	148.7
5019.5	154.2	143.82	5019.6	154.18	143.81	5020.79	153.96	143.75
5020.9	153.96	143.75	5021.01	149.46	143.74	5024.4	149.47	143.58
5030	149.49	143.84	5057.1	149.58	146.15	5060.2	149.59	146.99
5071	149.63	147.16	5076	149.65	146.01	5077.1	149.65	145.94
5087	149.79	145.3	5122.5	150.31	144.68	5134	150.48	146.38
5151.3	150.93	148.94	5189.7	151.94	148.85	5195.6	152.11	148.84
5246.9	153.57	152.95	5248.2	153.61	152.99	5428.2	160	158.09
5495.5	162.18	160	5708.4	170.01	170	5736.3	170	170

Upstream Bridge Cross Section Data

Station Elevation Data num= 57									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	160	4321.2	160	4630.4	150.55	4648.5	150	4714.7	149.79
4732.3	149.77	4779.7	149.7	4790	148.77	4820.5	146.02	4852.7	145.81
4877.8	145.64	4910.3	144.72	4921.6	144.4	4961.5	144.98	4976	143.59
4976.19	143.58	4976.3	143.58	4976.41	143.57	4978.6	143.47	4978.71	143.46
4978.8	143.46	4986.6	143.09	4986.7	142.99	4989.1	140.69	4991.9	137.28
4995.3	136.11	5001.2	137.53	5005.5	139.17	5009.4	141.22	5013.2	143.11
5013.3	143.12	5018.4	143.87	5019.39	143.82	5019.5	143.82	5019.6	143.81
5020.79	143.75	5020.9	143.75	5021.01	143.74	5024.4	143.58	5030	143.84
5057.1	146.15	5060.2	146.99	5071	147.16	5076	146.01	5077.1	145.94
5087	145.3	5122.5	144.68	5134	146.38	5151.3	148.94	5189.7	148.85
5195.6	148.84	5246.9	152.95	5248.2	152.99	5428.2	158.09	5495.5	160
5708.4	170	5736.3	170						

Manning's n Values num= 3					
Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4976	.045	5024.4	.13

Bank Sta:	Left	Right	Coeff	Contr.	Expan.
	4976	5024.4		.3	.5

Ineffective Flow num= 2			
Sta L	Sta R	Elev	Permanent
4042.4	4970	150.1	F
5030	5736.3	149.4	F

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Downstream Deck/Roadway Coordinates

num= 57									
Sta	Hi	Cord	Lo	Cord	Sta	Hi	Cord	Lo	Cord
4042.4		160		159.9	4321.2	160.01		159.9	4630.4
4648.5	154.64		149.9		4714.7	153.56	149.69		4732.3
4779.7	152.53		149.6		4790	152.37	148.67		4820.5
4852.7	151.28	145.71			4877.8	150.84	145.54		4910.3
4921.6	150.18	144.3			4961.5	149.89	144.88		4976
4976.19	149.78	143.48			4976.3	154.28	143.48		4976.41
4978.6	154.34	143.37			4978.71	154.34	143.36		4978.8
4986.6	154.31	148.71			4986.7	154.31	148.71		4989.1
4991.9	154.29	148.69			4995.3	154.28	148.68		5001.2
5005.5	154.25	148.65			5009.4	154.23	148.63		5013.2
5013.3	154.22	148.62			5018.4	154.2	148.6		5019.39
5019.5	154.2	143.72			5019.6	154.18	143.71		5020.79
5020.9	153.96	143.65			5021.01	149.46	143.64		5024.4
5030	149.49	143.74			5057.1	149.58	146.05		5060.2
5071	149.63	147.06			5076	149.65	145.91		5077.1
5087	149.79	145.2			5122.5	150.31	144.58		5134
5151.3	150.93	148.84			5189.7	151.94	148.75		5195.6
5246.9	153.57	152.85			5248.2	153.61	152.89		5428.2
5495.5	162.18	159.9			5708.4	170.01	169.9		5736.3
									170
									169.9

Downstream Bridge Cross Section Data

Station Elevation Data num= 57									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	159.9	4321.2	159.9	4630.4	150.45	4648.5	149.9	4714.7	149.69
4732.3	149.67	4779.7	149.6	4790	148.67	4820.5	145.92	4852.7	145.71
4877.8	145.54	4910.3	144.62	4921.6	144.3	4961.5	144.88	4976	143.49
4976.19	143.48	4976.3	143.48	4976.41	143.47	4978.6	143.37	4978.71	143.36
4978.8	143.36	4986.6	142.99	4986.7	142.89	4989.1	140.59	4991.9	137.18
4995.3	136.01	5001.2	137.43	5005.5	139.07	5009.4	141.12	5013.2	143.01
5013.3	143.02	5018.4	143.77	5019.39	143.72	5019.5	143.72	5019.6	143.71
5020.79	143.65	5020.9	143.65	5021.01	143.64	5024.4	143.48	5030	143.74
5057.1	146.05	5060.2	146.89	5071	147.06	5076	145.91	5077.1	145.84
5087	145.2	5122.5	144.58	5134	146.28	5151.3	148.84	5189.7	148.75
5195.6	148.74	5246.9	152.85	5248.2	152.89	5428.2	157.99	5495.5	159.9
5708.4	169.9	5736.3	169.9						

Manning's n Values

num= 3					
Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4976	.045	5024.4	.13

Bank Sta: Left Right Coeff Contr. Expan.
 4976 5024.4 .3 .5

Ineffective Flow num= 2
 Sta L Sta R Elev Permanent

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4042.4 4970 149.2 F
5030 5736.3 148 F

Upstream Embankment side slope = 1 horiz. to 1.0 vertical
Downstream Embankment side slope = 1 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Abutments = 2

Abutment Data

Upstream num= 2
Sta Elev Sta Elev
4978.6 148.84 4986.7 142.99
Downstream num= 2
Sta Elev Sta Elev
4978.6 148.74 4986.7 142.89

Abutment Data

Upstream num= 2
Sta Elev Sta Elev
5013.3 143.12 5019.59 148.7
Downstream num= 2
Sta Elev Sta Elev
5013.3 143.02 5019.59 148.6

Number of Piers = 4

Pier Data

Pier Station Upstream= 4980.1 Downstream= 4980.1
Upstream num= 2
Width Elev Width Elev
1 142.37 1 149.84
Downstream num= 2
Width Elev Width Elev
1 142.27 1 149.74

Pier Data

Pier Station Upstream= 4991.9 Downstream= 4991.9
Upstream num= 2
Width Elev Width Elev
.8 136.14 .8 149.79
Downstream num= 2
Width Elev Width Elev
.8 136.04 .8 149.69

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Pier Data

Pier Station Upstream= 5005.5 Downstream= 5005.5
Upstream num= 2
 Width Elev Width Elev
 .8 138.02 .8 149.75
Downstream num= 2
 Width Elev Width Elev
 .8 137.92 .8 149.65

Pier Data

Pier Station Upstream= 5018.4 Downstream= 5018.4
Upstream num= 2
 Width Elev Width Elev
 1 142.8 1 149.7
Downstream num= 2
 Width Elev Width Elev
 1 142.7 1 149.6

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

 Energy
 Momentum Cd = 2
Selected Low Flow Methods = Highest Energy Answer

High Flow Method

 Pressure and Weir flow
 Submerged Inlet Cd =
 Submerged Inlet + Outlet Cd = .8
 Max Low Cord =

Additional Bridge Parameters

 Add Friction component to Momentum
 Do not add Weight component to Momentum
 Class B flow critical depth computations use critical depth
 inside the bridge at the upstream end
 Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 4192.5

INPUT

Description: Downstream Section of Bridge/Culvert/Weir
Station Elevation Data num= 61

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Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4042.4	159.9	4321.2	159.9	4630.4	150.45	4648.5	149.9	4714.7	149.69
4732.3	149.67	4779.7	149.6	4790	148.67	4820.5	145.92	4852.7	145.71
4877.8	145.54	4910.3	144.62	4921.6	144.3	4961.5	144.88	4976	143.49
4976.19	143.48	4976.3	143.48	4976.41	143.47	4978.6	143.37	4978.71	143.36
4978.8	143.36	4986.6	142.99	4986.7	142.89	4989.1	140.59	4991.9	137.18
4995.3	136.01	5001.2	137.43	5005.5	139.07	5009.4	141.12	5013.2	143.01
5013.3	143.02	5018.4	143.77	5019.39	143.72	5019.5	143.72	5019.6	143.71
5020.79	143.65	5020.9	143.65	5021.01	143.64	5024.4	143.48	5030	143.74
5044.1	145.62	5047.2	146.44	5050	146.47	5062	146.65	5064.3	146.68
5065.8	146.95	5071	147.06	5076	145.91	5077.1	145.84	5087	145.2
5122.5	144.58	5134	146.28	5151.3	148.84	5189.7	148.75	5195.6	148.74
5246.9	152.85	5248.2	152.89	5428.2	157.99	5495.5	159.9	5708.4	169.9
5736.3	169.9								

Manning's n Values		num=		5					
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4042.4	.13	4976	.045	5024.4	.13	5050	.013	5064.3	.045
Bank Sta: Left		Right	Lengths: Left		Channel	Right	Coeff	Contr.	Expan.
4976		5024.4	378.5		378.5	378.5		.3	.5
Ineffective Flow		num=		2					
Sta L	Sta R	Elev	Permanent						
4042.4	4970	149.2	F						
5030	5736.3	148	F						

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 3814.0

INPUT

Description: Cross Section SPB-8.0

Station Elevation Data		num=		17					
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4449.2	170	4656.1	160	4772.8	150	4975.8	143.58	4986.5	143.08
4988.9	140.68	4991.7	137.27	4995.1	136.1	5000	137.28	5001	137.52
5009.2	141.21	5013.1	143.1	5024.2	143.57	5060	143.81	5072	143.81
5300.9	150	5550.1	160						

Manning's n Values		num=		3					
Sta	n Val	Sta	n Val	Sta	n Val				
4449.2	.13	4975.8	.045	5024.2	.13				
Bank Sta: Left		Right	Lengths: Left		Channel	Right	Coeff	Contr.	Expan.
4975.8		5024.2	541		541	541		.1	.3

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CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 3273.0

INPUT

Description: Cross Section SPB-7.0

Station Elevation Data num= 18

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4321.2	170	4602.1	160	4731.9	150	4975.8	143.71	4986.5	143.21
4988.9	140.81	4991.7	137.4	4995.1	136.23	5000	137.41	5001	137.65
5009.2	141.34	5013.1	143.23	5024.2	143.7	5283.5	143.28	5295.5	143.28
5316.6	150	5616.1	160	5987.4	170				

Manning's n Values

num= 3

Sta	n Val	Sta	n Val	Sta	n Val
4321.2	.13	4975.8	.045	5024.2	.13

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4975.8	5024.2		589	589		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 2684.0

INPUT

Description: Cross Section SPB-6.0

Station Elevation Data num= 20

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3847.9	170	4522.3	160	4659.7	150	4765.8	147.85	4949.89	144.11
4951.25	142.74	4951.69	140.08	4972.07	140.11	4977.47	139.28	4988.31	138.37
5000	136.49	5000.75	136.37	5013.41	136.56	5025.31	138.46	5036.21	138.66
5045.23	139.16	5049.93	142.76	5050.11	143.56	5538.6	144.26	5806	150

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3847.9	.13	4765.8	.18	4949.89	.045	5050.11	.18	5538.6	.13

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4949.89	5050.11		675	675		.1	.3

CROSS SECTION

RIVER: Main Stem

ShotPouchBranch-P.rep

REACH: Reach - 1

RS: 2009.0

INPUT

Description: Cross Section SPB-5.0

Station Elevation Data num= 20

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4526.6	160	4717.2	150	4806	147.22	4899.78	144.28	4902.5	142.91
4903.38	140.25	4944.14	140.28	4954.94	139.45	4976.62	138.54	5000	136.66
5001.5	136.54	5026.82	136.73	5050.62	138.63	5072.42	138.83	5090.46	139.33
5099.86	142.93	5100.22	143.73	5240.2	146.83	5383	150	5610.8	160

Manning's n Values

num= 5

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4526.6	.13	4806	.18	4899.78	.045	5100.22	.18	5240.2	.13

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4899.78	5100.22		175	175		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 1834.0

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 67

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4203.8	160	4234.1	160	4474.4	160	4495.9	160	4520.6	160
4604.1	152.16	4624.6	150.23	4656.8	147.22	4667.5	146.68	4698.8	145.09
4739.1	144.44	4746.5	144.32	4753.3	142.95	4755.5	140.29	4818.3	140.31
4857.4	140.32	4884.4	139.49	4884.59	139.49	4884.7	139.48	4884.81	139.48
4938.5	138.58	4938.6	138.58	5000.7	136.58	5000.8	136.58	5064	136.77
5064.1	136.77	5123.5	138.67	5123.6	138.67	5178	138.87	5178.1	138.87
5223.1	139.37	5223.2	139.39	5227.49	140.04	5227.6	140.06	5227.71	140.07
5227.79	140.09	5227.9	140.1	5228.01	140.12	5246.7	142.97	5247.6	143.77
5259.9	146.12	5269.89	145.87	5270	145.87	5270.11	145.87	5270.19	145.86
5270.3	145.86	5270.41	145.86	5271.6	145.83	5273.2	145.79	5301.6	144.95
5324.5	146.39	5329.3	146.43	5333.6	146.46	5342	145.75	5343.2	145.65
5370.4	146.92	5376.99	147.21	5377.1	147.21	5377.21	147.22	5411.4	148.71
5412.4	148.75	5436.8	150	5588.3	157.13	5649.2	160	5712.8	160
5827.8	160	6003.8	160						

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4203.8	.12	4234.1	.13	4474.4	.15	4495.9	.13	4746.5	.045
5247.6	.13	5329.3	.12						

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Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4746.5	5247.6		100	100		.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
4203.8	4736.5	146.4	F
5257.6	6003.8	145.78	F

INLINE STRUCTURE

RIVER: Main Stem
 REACH: Reach - 1 RS: 1784.0

INPUT

Description: LIBERTY ST PT2

Structure ID: SPB2

Distance from Upstream XS = 10

Deck/Roadway Width = 80

Weir Coefficient = 3

Weir Embankment Coordinates num = 67

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4203.8	160	4234.1	160.01	4474.4	160.01	4495.9	160.01	4520.6	160.01
4604.1	152.17	4624.6	150.24	4656.8	147.97	4667.5	147.68	4698.8	147.17
4739.1	146.51	4746.5	146.4	4753.3	146.29	4755.5	146.26	4818.3	145.29
4857.4	145.02	4884.4	144.83	4884.59	144.83	4884.7	144.83	4884.81	144.83
4938.5	144.43	4938.6	144.43	5000.7	144.81	5000.8	144.81	5064	144.94
5064.1	144.94	5123.5	145.01	5123.6	145.01	5178	145.58	5178.1	145.58
5223.1	145.59	5223.2	145.59	5227.49	145.67	5227.6	145.67	5227.71	145.67
5227.79	145.65	5227.9	145.65	5228.01	145.65	5246.7	145.77	5247.6	145.78
5259.9	146.13	5269.89	145.93	5270	145.93	5270.11	145.93	5270.19	145.97
5270.3	145.97	5270.41	145.97	5271.6	145.98	5273.2	146	5301.6	146.44
5324.5	146.78	5329.3	146.86	5333.6	146.92	5342	147.05	5343.2	147
5370.4	146.93	5376.99	147.22	5377.1	147.22	5377.21	147.23	5411.4	148.72
5412.4	148.76	5436.8	150.01	5588.3	157.14	5649.2	160.01	5712.8	160.01
5827.8	160.01	6003.8	160						

Upstream Embankment side slope = 1 horiz. to 1.0 vertical

Downstream Embankment side slope = 1 horiz. to 1.0 vertical

Maximum allowable submergence for weir flow = .95

Elevation at which weir flow begins =

Weir crest shape = Broad Crested

CROSS SECTION

RIVER: Main Stem
 REACH: Reach - 1 RS: 1734.0

ShotPouchBranch-P.rep

INPUT

Description: Cross Section FIELD_DS

Located At: LIBERTY ST PT2

Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4704.7	147.84	4749.4	146.01	4775.9	143.69	4800.9	143.13	4825.3	142.58
4885.6	141.69	4965.2	142.2	4967.2	140.92	4969.8	140.17	4975.4	138
4985.5	138.55	5005.5	137.34	5017.8	135.26	5028.1	137.96	5032.8	140.89
5033.6	141.78	5054.9	141.83	5128.6	141.55	5241.7	142.17	5278.7	143.08
5327	144.98	5410.7	148.26	5455	150				

Manning's n Values

num= 6

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
4704.7	.15	4800.9	.2	4965.2	.045	5033.6	.2	5327	.15
5410.7	.12								

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4965.2	5033.6		370	370		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 1364.0

INPUT

Description: Cross Section SPB-4.0

Station Elevation Data num= 19

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3798.6	160	4448.6	151.42	4555.9	150	4800.9	144.25	4965.8	140.38
4967.8	140.1	4970.4	139.35	4976	137.18	4986.1	137.73	5000	136.89
5006.1	136.52	5018.4	134.44	5028.7	137.14	5033.4	140.07	5034.2	140.96
5055.5	141.01	5327	146.7	5410.7	148.46	5484.2	150		

Manning's n Values

num= 7

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3798.6	.12	4448.6	.15	4800.9	.2	4965.8	.045	5034.2	.2
5327	.15	5410.7	.12						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4965.8	5034.2		375	375		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1

RS: 989.0

ShotPouchBranch-P.rep

INPUT

Description: Cross Section SPB-3.0

Station Elevation Data				num=	21				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3716.8	160	4419.3	152.2	4616.9	150	4777	144.09	4886.2	140.06
4965.8	140.57	4967.8	139.29	4970.4	138.54	4976	136.37	4986.1	136.92
5000	136.08	5006.1	135.71	5018.4	133.63	5028.7	136.33	5033.4	139.26
5034.2	140.15	5055.5	140.2	5332.6	146.28	5454	148.94	5502.4	150
5877.1	160								

Manning's n Values				num=	7				
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3716.8	.12	4419.3	.15	4777	.2	4965.8	.045	5034.2	.2
5332.6	.15	5454	.12						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4965.8	5034.2		287	287		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 702.0

INPUT

Description: Cross Section SPB-2.0

Station Elevation Data				num=	21				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3657.4	160	4325	150	4375.8	149.04	4603.8	144.75	4886.2	139.44
4965.8	139.95	4967.8	138.67	4970.4	137.92	4976	135.75	4986.1	136.3
5000	135.46	5006.1	135.09	5018.4	133.01	5028.7	135.71	5033.4	138.64
5034.2	139.53	5055.5	139.58	5476	147.02	5551.2	148.36	5644.1	150
5980.8	160								

Manning's n Values				num=	7				
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3657.4	.12	4375.8	.15	4603.8	.2	4965.8	.045	5034.2	.2
5476	.15	5551.2	.12						

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4965.8	5034.2		158	158		.1	.3

CROSS SECTION

RIVER: Main Stem

REACH: Reach - 1 RS: 544.0

ShotPouchBranch-P.rep

INPUT

Description: Upstream Section of Bridge/Culvert/Weir

Station Elevation Data num= 64									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3626.5	160.01	4097.5	152.58	4192.3	151.08	4260.3	150.01	4479.3	144.81
4489.7	144.56	4499.2	144.18	4507.5	143.85	4513.2	143.63	4519.2	143.39
4533.8	143.02	4536	142.96	4546.8	142.89	4568.1	142.74	4573.7	142.6
4588.2	142.25	4589.4	141.2	4597.7	138.16	4614.8	136.46	4614.9	136.45
4660.4	132.68	4660.5	132.67	4714.2	134.36	4714.3	134.36	4763.7	134.96
4763.8	134.96	4812.6	134.57	4812.7	134.57	4862.1	134.57	4862.2	134.57
4912.7	134.26	4912.8	134.26	4962.5	133.87	4962.6	133.87	5062.3	133.86
5062.4	133.86	5150	134.56	5150.1	134.56	5243.9	134.76	5244	134.76
5352.5	137.57	5352.6	137.57	5395	139.27	5395.1	139.28	5410.5	141.06
5413.6	141.7	5427.6	141.96	5429.2	141.99	5429.3	141.99	5436.9	142.14
5437	142.14	5437.5	142.15	5437.7	142.15	5451.6	143.56	5464.9	144.18
5472.6	145.52	5474.8	145.56	5504.5	146.09	5507.9	146.15	5738.5	150.01
5854.7	153.57	5978.4	157.37	5986.5	157.62	6064.5	160.01		

Manning's n Values num= 6									
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3626.5	.2	4097.5	.12	4588.2	.045	5413.6	.15	5978.4	.12
5986.5	.2								

Bank Sta:	Left	Right	Lengths:		Left Channel	Right	Coeff	Contr.	Expan.
	4588.2	5413.6			36	36		.3	.5
Ineffective Flow num= 2									
Sta L	Sta R	Elev	Permanent						
3626.5	4578.2	142.96	F						
5423.6	6064.5	141.99	F						

INLINE STRUCTURE

RIVER: Main Stem

REACH: Reach - 1 RS: 526.0

INPUT

Description: SWAN LAKE POND

Structure ID: SPB1

Distance from Upstream XS = 10

Deck/Roadway Width = 16

Weir Coefficient = 3

Weir Embankment Coordinates num = 64									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3626.5	160	4097.5	152.57	4192.3	151.08	4260.3	150.01	4479.3	144.81
4489.7	144.56	4499.2	144.18	4507.5	143.85	4513.2	143.63	4519.2	143.39
4533.8	143.02	4536	142.96	4546.8	144	4568.1	144.74	4573.7	144.93

ShotPouchBranch-P.rep

4588.2	144.77	4589.4	144.75	4597.7	144.66	4614.8	144.47	4614.9	144.47
4660.4	144.65	4660.5	144.65	4714.2	144.6	4714.3	144.6	4763.7	144.67
4763.8	144.67	4812.6	144.43	4812.7	144.43	4862.1	144.39	4862.2	144.39
4912.7	144.28	4912.8	144.28	4962.5	144.36	4962.6	144.36	5062.3	144.38
5062.4	144.38	5150	144.5	5150.1	144.5	5243.9	144.45	5244	144.45
5352.5	145.02	5352.6	145.02	5395	144.71	5395.1	144.71	5410.5	144.23
5413.6	144.13	5427.6	143.69	5429.2	142.01	5429.3	141.99	5436.9	142.14
5437	142.14	5437.5	143.51	5437.7	143.5	5451.6	143.56	5464.9	144.18
5472.6	145.52	5474.8	145.56	5504.5	146.09	5507.9	146.15	5738.5	150.01
5854.7	153.57	5978.4	157.36	5986.5	157.61	6064.5	160		

Upstream Embankment side slope = 1.4 horiz. to 1.0 vertical
Downstream Embankment side slope = 1.4 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Weir crest shape = Broad Crested

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 508.0

INPUT

Description: Cross Section FIELD_DS
Located At: SWAN LAKE POND

Station Elevation Data				num=	17				
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
4838.6	144.66	4844.9	144.44	4863.6	141.83	4897.8	141.53	4911.2	142.64
4953.4	143.76	4992.2	133.29	4992.5	132.45	4994.6	129.48	5002	131.8
5005	131.77	5007.1	134.11	5051.9	135.52	5111.8	137.38	5711	136.86
5763.3	139.11	5804.8	142.15						

Manning's n Values				num=	3		
Sta	n Val	Sta	n Val	Sta	n Val		
4838.6	.15	4992.2	.045	5007.1	.15		

Bank Sta:	Left	Right	Lengths:	Left Channel	Right	Coeff	Contr.	Expan.
	4992.2	5007.1		227	227		.1	.3

CROSS SECTION

RIVER: Main Stem
REACH: Reach - 1 RS: 281.0

INPUT

ShotPouchBranch-P.rep

Description: Cross Section SPB-1.0

Station Elevation Data num= 12

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
3920.1	150	4630.4	140	4752.6	137.57	4992.55	132.81	4992.85	131.97
4994.95	129	5000	130.58	5002.35	131.32	5005.35	131.29	5007.45	131.63
5615.9	140	6113.8	150						

Manning's n Values num= 4

Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
3920.1	.12	4752.6	.15	4992.55	.045	5007.45	.15

Bank Sta:	Left	Right	Lengths:	Left	Channel	Right	Coeff	Contr.	Expan.
	4992.55	5007.45		0	0	0		.1	.3

SUMMARY OF MANNING'S N VALUES

River:Main Stem

Reach		River Sta.		n1	n2	n3	n4	n5
n6	n7	n8	n9					
Reach - 1		19965.0		.15	.1	.15	.045	
.15	.1	.15	.1	.2				
Reach - 1		19249.0		.1	.15	.045	.15	
.1	.2							
Reach - 1		18610.0		.1	.15	.045	.15	
.1	.2							
Reach - 1		18369.0		.1	.15	.045	.15	
.1	.2							
Reach - 1		18319.0	Culvert					
Reach - 1		18269.0		.1	.15	.045	.15	
.1	.2							
Reach - 1		17365.0		.2	.1	.15	.045	
.15	.1	.2						
Reach - 1		16746.0		.2	.1	.15	.1	
.15	.045	.15	.1	.2				
Reach - 1		16222.0		.2	.1	.15	.045	
.15	.1	.2						
Reach - 1		15591.0		.2	.1	.15	.045	
.15	.1	.2						
Reach - 1		15001.0		.2	.1	.15	.045	
.15	.1	.15	.1	.2				
Reach - 1		14858.5		.1	.15	.045	.15	

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.12	.2					
Reach - 1		14816.0	Culvert			
Reach - 1		14773.5		.1	.15	.045 .15
.12	.2					
Reach - 1		14639.0		.1	.15	.045 .15
Reach - 1		14477.5		.1	.15	.045 .15
Reach - 1		14464.0	Bridge			
Reach - 1		14450.5		.1	.15	.045 .15
Reach - 1		13865.0		.1	.15	.045 .15
Reach - 1		13344.0		.12	.045	.12
Reach - 1		13225.0	Culvert			
Reach - 1		13106.0		.12	.045	.12
Reach - 1		12612.0		.12	.15	.045 .15
.045	.013	.12	.12			
Reach - 1		12135.0		.12	.15	.045 .15
.013	.045					
Reach - 1		11603.0		.12	.15	.045 .15
.013	.013	.15	.12			
Reach - 1		10871.0		.15	.045	.15 .013
.12	.12					
Reach - 1		10643.0		.12	.15	.013 .045
.045	.15	.12				
Reach - 1		10491.5		.12	.15	.013 .045
.15	.12					
Reach - 1		10468.0	Bridge			
Reach - 1		10444.5		.12	.15	.013 .15
.12						
Reach - 1		10183.0		.12	.15	.045 .013
.013	.045	.15	.12			
Reach - 1		9592.0		.12	.12	.15 .045
.12						
Reach - 1		9455.5		.2	.12	.045 .12
Reach - 1		9306.0	Culvert			
Reach - 1		9156.5		.2	.12	.045 .12
Reach - 1		9031		.2	.12	.045 .12

ShotPouchBranch-P.rep

Reach - 1	9021	Bridge				
Reach - 1	9011		.2	.12	.045	.12
Reach - 1	8603.0		.11	.12	.045	.12
Reach - 1	7894.0		.11	.12	.045	.12
.15 .12						
Reach - 1	7664.0		.12	.11	.15	.045
.15 .12						
Reach - 1	7629.0	Bridge				
Reach - 1	7594.0		.12	.11	.15	.045
.15 .12						
Reach - 1	7199.0		.12	.15	.045	.15
.12						
Reach - 1	6752.0		.12	.15	.045	.15
.12						
Reach - 1	6116.0		.12	.15	.045	.15
.12						
Reach - 1	5458.0		.12	.15	.045	.12
Reach - 1	5218.0		.12	.15	.045	.15
.12						
Reach - 1	5160.0	Culvert				
Reach - 1	5102.0		.12	.15	.045	.15
.12						
Reach - 1	4679.0		.12	.15	.013	.045
.045 .15	.12					
Reach - 1	4444.0		.12	.15	.013	.045
.045 .15	.12					
Reach - 1	4276.5		.13	.013	.045	.045
.13						
Reach - 1	4266.5	Bridge				
Reach - 1	4256.5		.13	.013	.045	.045
.13						
Reach - 1	4251.5		.13	.013	.045	.045
.13						
Reach - 1	4222.0	Bridge				
Reach - 1	4192.5		.13	.045	.13	.013
.045						
Reach - 1	3814.0		.13	.045	.13	
Reach - 1	3273.0		.13	.045	.13	

ShotPouchBranch-P.rep

Reach - 1	2684.0	.13	.18	.045	.18
.13					
Reach - 1	2009.0	.13	.18	.045	.18
.13					
Reach - 1	1834.0	.12	.13	.15	.13
.045 .13	.12				
Reach - 1	1784.0	Inl Struct			
Reach - 1	1734.0	.15	.2	.045	.2
.15 .12					
Reach - 1	1364.0	.12	.15	.2	.045
.2 .15	.12				
Reach - 1	989.0	.12	.15	.2	.045
.2 .15	.12				
Reach - 1	702.0	.12	.15	.2	.045
.2 .15	.12				
Reach - 1	544.0	.2	.12	.045	.15
.12 .2					
Reach - 1	526.0	Inl Struct			
Reach - 1	508.0	.15	.045	.15	
Reach - 1	281.0	.12	.15	.045	.15

SUMMARY OF REACH LENGTHS

River: Main Stem

Reach	River Sta.	Left	Channel	Right
Reach - 1	19965.0	716	716	716
Reach - 1	19249.0	639	639	639
Reach - 1	18610.0	241	241	241
Reach - 1	18369.0	100	100	100
Reach - 1	18319.0	Culvert		
Reach - 1	18269.0	904	904	904
Reach - 1	17365.0	619	619	619
Reach - 1	16746.0	524	524	524
Reach - 1	16222.0	631	631	631
Reach - 1	15591.0	590	590	590
Reach - 1	15001.0	142.5	142.5	142.5
Reach - 1	14858.5	85	85	85

		ShotPouchBranch-P.rep		
Reach - 1	14816.0	Culvert		
Reach - 1	14773.5	134.5	134.5	134.5
Reach - 1	14639.0	161.5	161.5	161.5
Reach - 1	14477.5	27	27	27
Reach - 1	14464.0	Bridge		
Reach - 1	14450.5	585.5	585.5	585.5
Reach - 1	13865.0	521	521	521
Reach - 1	13344.0	238	238	238
Reach - 1	13225.0	Culvert		
Reach - 1	13106.0	494	494	494
Reach - 1	12612.0	477	477	477
Reach - 1	12135.0	532	532	532
Reach - 1	11603.0	732	732	732
Reach - 1	10871.0	228	228	228
Reach - 1	10643.0	151.5	151.5	151.5
Reach - 1	10491.5	47	47	47
Reach - 1	10468.0	Bridge		
Reach - 1	10444.5	261.5	261.5	261.5
Reach - 1	10183.0	591	591	591
Reach - 1	9592.0	136.5	136.5	136.5
Reach - 1	9455.5	299	299	299
Reach - 1	9306.0	Culvert		
Reach - 1	9156.5	125.5	125.5	125.5
Reach - 1	9031	20	20	20
Reach - 1	9021	Bridge		
Reach - 1	9011	408	408	408
Reach - 1	8603.0	709	709	709
Reach - 1	7894.0	230	230	230
Reach - 1	7664.0	70	70	70
Reach - 1	7629.0	Bridge		
Reach - 1	7594.0	395	395	395
Reach - 1	7199.0	447	447	447
Reach - 1	6752.0	636	636	636
Reach - 1	6116.0	658	658	658
Reach - 1	5458.0	240	240	240
Reach - 1	5218.0	116	116	116
Reach - 1	5160.0	Culvert		
Reach - 1	5102.0	423	423	423
Reach - 1	4679.0	235	235	235
Reach - 1	4444.0	192.5	192.5	192.5
Reach - 1	4276.5	20	20	20
Reach - 1	4266.5	Bridge		
Reach - 1	4256.5	5	5	5
Reach - 1	4251.5	59	59	59
Reach - 1	4222.0	Bridge		
Reach - 1	4192.5	378.5	378.5	378.5
Reach - 1	3814.0	541	541	541
Reach - 1	3273.0	589	589	589

ShotPouchBranch-P.rep				
Reach - 1	2684.0	675	675	675
Reach - 1	2009.0	175	175	175
Reach - 1	1834.0	100	100	100
Reach - 1	1784.0	Inl Struct		
Reach - 1	1734.0	370	370	370
Reach - 1	1364.0	375	375	375
Reach - 1	989.0	287	287	287
Reach - 1	702.0	158	158	158
Reach - 1	544.0	36	36	36
Reach - 1	526.0	Inl Struct		
Reach - 1	508.0	227	227	227
Reach - 1	281.0	0	0	0

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS

River: Main Stem

Reach	River Sta.	Contr.	Expan.
Reach - 1	19965.0	.1	.3
Reach - 1	19249.0	.1	.3
Reach - 1	18610.0	.1	.3
Reach - 1	18369.0	.3	.5
Reach - 1	18319.0	Culvert	
Reach - 1	18269.0	.3	.5
Reach - 1	17365.0	.1	.3
Reach - 1	16746.0	.1	.3
Reach - 1	16222.0	.1	.3
Reach - 1	15591.0	.1	.3
Reach - 1	15001.0	.1	.3
Reach - 1	14858.5	.3	.5
Reach - 1	14816.0	Culvert	
Reach - 1	14773.5	.3	.5
Reach - 1	14639.0	.1	.3
Reach - 1	14477.5	.3	.5
Reach - 1	14464.0	Bridge	
Reach - 1	14450.5	.3	.5
Reach - 1	13865.0	.1	.3
Reach - 1	13344.0	.3	.5
Reach - 1	13225.0	Culvert	
Reach - 1	13106.0	.3	.5
Reach - 1	12612.0	.1	.3
Reach - 1	12135.0	.1	.3
Reach - 1	11603.0	.1	.3
Reach - 1	10871.0	.1	.3

		ShotPouchBranch-P.rep	
Reach - 1	10643.0	.1	.3
Reach - 1	10491.5	.3	.5
Reach - 1	10468.0	Bridge	
Reach - 1	10444.5	.3	.5
Reach - 1	10183.0	.1	.3
Reach - 1	9592.0	.1	.3
Reach - 1	9455.5	.3	.5
Reach - 1	9306.0	Culvert	
Reach - 1	9156.5	.3	.5
Reach - 1	9031	.1	.3
Reach - 1	9021	Bridge	
Reach - 1	9011	.1	.3
Reach - 1	8603.0	.1	.3
Reach - 1	7894.0	.1	.3
Reach - 1	7664.0	.3	.5
Reach - 1	7629.0	Bridge	
Reach - 1	7594.0	.3	.5
Reach - 1	7199.0	.1	.3
Reach - 1	6752.0	.1	.3
Reach - 1	6116.0	.1	.3
Reach - 1	5458.0	.1	.3
Reach - 1	5218.0	.3	.5
Reach - 1	5160.0	Culvert	
Reach - 1	5102.0	.3	.5
Reach - 1	4679.0	.1	.3
Reach - 1	4444.0	.1	.3
Reach - 1	4276.5	.1	.3
Reach - 1	4266.5	Bridge	
Reach - 1	4256.5	.1	.3
Reach - 1	4251.5	.3	.5
Reach - 1	4222.0	Bridge	
Reach - 1	4192.5	.3	.5
Reach - 1	3814.0	.1	.3
Reach - 1	3273.0	.1	.3
Reach - 1	2684.0	.1	.3
Reach - 1	2009.0	.1	.3
Reach - 1	1834.0	.3	.5
Reach - 1	1784.0	Inl Struct	
Reach - 1	1734.0	.1	.3
Reach - 1	1364.0	.1	.3
Reach - 1	989.0	.1	.3
Reach - 1	702.0	.1	.3
Reach - 1	544.0	.3	.5
Reach - 1	526.0	Inl Struct	
Reach - 1	508.0	.1	.3
Reach - 1	281.0	.1	.3

HEC-RAS Plan: 1515 River: Main Stem Reach: Reach - 1

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	19965.0	2-YEAR	180.00	170.89	174.34	173.05	174.44	0.002221	2.67	153.17	321.00	0.31
Reach - 1	19965.0	5-YEAR	285.00	170.89	174.73	173.57	174.82	0.002029	2.82	316.76	513.51	0.30
Reach - 1	19965.0	10-YEAR	379.00	170.89	174.99	174.34	175.06	0.001772	2.80	464.24	639.09	0.29
Reach - 1	19965.0	25-YEAR	509.00	170.89	175.28	174.60	175.33	0.001548	2.78	666.78	779.21	0.27
Reach - 1	19965.0	50-YEAR	631.00	170.89	175.49	174.80	175.54	0.001436	2.80	848.17	886.10	0.26
Reach - 1	19965.0	100-YEAR	734.00	170.89	175.65	174.89	175.70	0.001379	2.82	995.10	964.03	0.26
Reach - 1	19965.0	500-YEAR	1100.00	170.89	176.11	175.13	176.15	0.001278	2.94	1484.99	1187.47	0.26
Reach - 1	19249.0	2-YEAR	180.00	169.46	173.94	171.62	173.95	0.000300	1.25	555.24	592.67	0.12
Reach - 1	19249.0	5-YEAR	285.00	169.46	174.05	172.15	174.08	0.000592	1.79	626.24	632.53	0.17
Reach - 1	19249.0	10-YEAR	379.00	169.46	174.13	172.82	174.18	0.000891	2.23	678.09	660.12	0.21
Reach - 1	19249.0	25-YEAR	509.00	169.46	174.17	173.20	174.23	0.001512	2.93	698.46	670.65	0.27
Reach - 1	19249.0	50-YEAR	631.00	169.46	174.24	173.44	174.33	0.002007	3.42	749.89	696.53	0.31
Reach - 1	19249.0	100-YEAR	734.00	169.46	174.29	173.63	174.40	0.002474	3.83	783.82	713.08	0.35
Reach - 1	19249.0	500-YEAR	1100.00	169.46	174.45	173.98	174.63	0.004045	5.04	906.41	769.92	0.45
Reach - 1	18610.0	2-YEAR	180.00	168.18	173.94	169.89	173.94	0.000003	0.17	4075.05	2012.70	0.01
Reach - 1	18610.0	5-YEAR	285.00	168.18	174.06	170.56	174.06	0.000007	0.26	4314.99	2071.67	0.02
Reach - 1	18610.0	10-YEAR	379.00	168.18	174.14	170.76	174.14	0.000011	0.33	4485.88	2112.66	0.03
Reach - 1	18610.0	25-YEAR	509.00	168.18	174.18	170.97	174.18	0.000018	0.44	4558.22	2129.77	0.03
Reach - 1	18610.0	50-YEAR	631.00	168.18	174.25	171.10	174.25	0.000026	0.52	4719.82	2167.52	0.04
Reach - 1	18610.0	100-YEAR	734.00	168.18	174.30	171.19	174.30	0.000033	0.60	4823.75	2191.45	0.04
Reach - 1	18610.0	500-YEAR	1100.00	168.18	174.45	171.45	174.45	0.000061	0.83	5165.88	2268.44	0.06
Reach - 1	18369.0	2-YEAR	180.00	167.70	173.93	169.92	173.94	0.000146	1.02	634.85	1026.60	0.08
Reach - 1	18369.0	5-YEAR	285.00	167.70	174.03	170.51	174.05	0.000300	1.49	719.28	1087.98	0.12
Reach - 1	18369.0	10-YEAR	379.00	167.70	174.10	170.96	174.13	0.000467	1.87	776.96	1127.49	0.15
Reach - 1	18369.0	25-YEAR	509.00	167.70	174.12	171.49	174.16	0.000604	2.14	1064.05	1142.34	0.17
Reach - 1	18369.0	50-YEAR	631.00	167.70	174.18	171.95	174.23	0.000827	2.52	1130.08	1176.01	0.20
Reach - 1	18369.0	100-YEAR	734.00	167.70	174.21	172.30	174.27	0.001055	2.86	1164.53	1193.20	0.23
Reach - 1	18369.0	500-YEAR	1100.00	167.70	174.28	173.85	174.40	0.002038	4.01	1256.30	1237.84	0.32
Reach - 1	18319.0		Culvert									
Reach - 1	18269.0	2-YEAR	180.00	167.21	171.57	169.43	171.68	0.001759	2.65	67.97	22.98	0.27
Reach - 1	18269.0	5-YEAR	285.00	167.21	172.24	170.02	172.41	0.002362	3.38	96.69	117.13	0.32
Reach - 1	18269.0	10-YEAR	379.00	167.21	172.50	170.47	172.75	0.003094	4.05	145.98	433.66	0.37
Reach - 1	18269.0	25-YEAR	509.00	167.21	172.81	171.01	173.10	0.003597	4.60	251.43	629.34	0.41
Reach - 1	18269.0	50-YEAR	631.00	167.21	172.98	171.46	173.31	0.004141	5.08	335.01	741.01	0.44
Reach - 1	18269.0	100-YEAR	734.00	167.21	173.13	171.81	173.39	0.003566	4.83	566.80	837.49	0.41
Reach - 1	18269.0	500-YEAR	1100.00	167.21	173.53	173.28	173.75	0.003475	5.06	951.29	1082.41	0.41
Reach - 1	17365.0	2-YEAR	180.00	165.82	170.05	168.03	170.15	0.001620	2.55	77.58	89.82	0.26
Reach - 1	17365.0	5-YEAR	285.00	165.82	170.79	168.59	170.87	0.001214	2.57	345.88	633.93	0.24
Reach - 1	17365.0	10-YEAR	379.00	165.82	171.17	169.02	171.23	0.000949	2.43	642.27	915.15	0.21
Reach - 1	17365.0	25-YEAR	509.00	165.82	171.46	169.51	171.51	0.000918	2.50	934.44	1125.58	0.21
Reach - 1	17365.0	50-YEAR	631.00	165.82	171.69	170.71	171.73	0.000877	2.53	1206.37	1290.98	0.21
Reach - 1	17365.0	100-YEAR	734.00	165.82	171.85	170.89	171.89	0.000853	2.56	1424.70	1409.80	0.21
Reach - 1	17365.0	500-YEAR	1100.00	165.82	172.31	171.23	172.34	0.000791	2.62	2156.50	1750.18	0.20
Reach - 1	16746.0	2-YEAR	180.00	164.86	168.85	167.06	168.97	0.002249	2.84	63.78	27.86	0.31
Reach - 1	16746.0	5-YEAR	285.00	164.86	169.66	167.63	169.84	0.002370	3.40	92.75	43.08	0.32
Reach - 1	16746.0	10-YEAR	379.00	164.86	170.58	168.06	170.65	0.000939	2.49	693.05	1195.53	0.21
Reach - 1	16746.0	25-YEAR	509.00	164.86	171.04	168.58	171.07	0.000558	2.05	1307.59	1492.43	0.17
Reach - 1	16746.0	50-YEAR	631.00	164.86	171.32	169.01	171.34	0.000459	1.93	1751.50	1674.41	0.15
Reach - 1	16746.0	100-YEAR	734.00	164.86	171.50	169.33	171.52	0.000426	1.91	2067.28	1792.65	0.15
Reach - 1	16746.0	500-YEAR	1100.00	164.86	172.00	170.71	172.02	0.000364	1.88	3052.08	2118.57	0.14
Reach - 1	16222.0	2-YEAR	180.00	164.05	167.92	166.28	167.99	0.001540	2.17	82.94	36.68	0.25
Reach - 1	16222.0	5-YEAR	285.00	164.05	168.86	166.68	168.95	0.001226	2.40	124.92	57.26	0.24
Reach - 1	16222.0	10-YEAR	379.00	164.05	170.19	167.00	170.26	0.000599	2.13	293.81	305.81	0.18
Reach - 1	16222.0	25-YEAR	509.00	164.05	170.69	167.39	170.76	0.000615	2.31	532.08	658.57	0.18
Reach - 1	16222.0	50-YEAR	631.00	164.05	170.98	167.73	171.05	0.000640	2.45	756.13	868.03	0.19
Reach - 1	16222.0	100-YEAR	734.00	164.05	171.16	167.97	171.24	0.000669	2.56	927.20	998.82	0.19
Reach - 1	16222.0	500-YEAR	1100.00	164.05	171.68	168.72	171.75	0.000698	2.78	1544.37	1370.56	0.20
Reach - 1	15591.0	2-YEAR	180.00	163.07	166.96	165.30	167.03	0.001502	2.15	83.66	36.79	0.25
Reach - 1	15591.0	5-YEAR	285.00	163.07	168.24	165.70	168.31	0.000845	2.14	147.93	72.77	0.20
Reach - 1	15591.0	10-YEAR	379.00	163.07	169.95	166.02	169.99	0.000307	1.68	441.90	297.35	0.13
Reach - 1	15591.0	25-YEAR	509.00	163.07	170.40	166.41	170.45	0.000377	1.97	635.95	585.16	0.15
Reach - 1	15591.0	50-YEAR	631.00	163.07	170.66	166.75	170.72	0.000436	2.19	810.29	765.62	0.16
Reach - 1	15591.0	100-YEAR	734.00	163.07	170.81	166.99	170.87	0.000497	2.37	931.00	868.88	0.17
Reach - 1	15591.0	500-YEAR	1100.00	163.07	171.25	167.75	171.33	0.000652	2.85	1379.44	1175.56	0.20
Reach - 1	15001.0	2-YEAR	180.00	162.16	166.11	164.39	166.17	0.001397	2.10	85.74	37.23	0.24
Reach - 1	15001.0	5-YEAR	285.00	162.16	167.87	164.79	167.92	0.000503	1.82	198.80	116.08	0.16
Reach - 1	15001.0	10-YEAR	379.00	162.16	169.83	165.11	169.85	0.000171	1.38	623.80	318.64	0.10
Reach - 1	15001.0	25-YEAR	509.00	162.16	170.23	165.50	170.27	0.000243	1.72	797.80	581.16	0.12
Reach - 1	15001.0	50-YEAR	631.00	162.16	170.45	165.84	170.50	0.000308	1.98	940.69	729.23	0.14
Reach - 1	15001.0	100-YEAR	734.00	162.16	170.56	166.08	170.62	0.000374	2.21	1023.21	801.68	0.15

HEC-RAS Plan: 1515 River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	15001.0	500-YEAR	1100.00	162.16	170.86	166.84	170.95	0.000612	2.91	1295.45	1004.31	0.19
Reach - 1	14858.5	2-YEAR	180.00	161.94	165.91	164.17	165.98	0.001352	2.08	86.67	37.46	0.24
Reach - 1	14858.5	5-YEAR	285.00	161.94	167.81	164.59	167.85	0.000451	1.77	178.40	226.83	0.15
Reach - 1	14858.5	10-YEAR	379.00	161.94	169.81	164.90	169.83	0.000125	1.21	734.34	333.69	0.09
Reach - 1	14858.5	25-YEAR	509.00	161.94	170.21	165.30	170.24	0.000185	1.53	852.89	436.65	0.11
Reach - 1	14858.5	50-YEAR	631.00	161.94	170.42	165.62	170.46	0.000257	1.84	934.98	519.92	0.12
Reach - 1	14858.5	100-YEAR	734.00	161.94	170.51	165.87	170.57	0.000329	2.11	978.79	558.76	0.14
Reach - 1	14858.5	500-YEAR	1100.00	161.94	170.76	166.63	170.86	0.000634	2.99	1107.09	658.26	0.20
Reach - 1	14816.0	Culvert										
Reach - 1	14773.5	2-YEAR	180.00	161.76	164.55	163.99	164.78	0.008320	3.88	46.43	30.62	0.56
Reach - 1	14773.5	5-YEAR	285.00	161.76	165.33	164.40	165.57	0.005761	3.95	72.16	35.00	0.48
Reach - 1	14773.5	10-YEAR	379.00	161.76	166.11	164.73	166.33	0.003705	3.75	101.82	43.85	0.41
Reach - 1	14773.5	25-YEAR	509.00	161.76	166.56	165.12	166.84	0.003965	4.30	122.89	137.22	0.43
Reach - 1	14773.5	50-YEAR	631.00	161.76	166.74	165.44	167.13	0.005022	5.03	131.87	158.28	0.49
Reach - 1	14773.5	100-YEAR	734.00	161.76	166.87	165.70	167.35	0.005967	5.62	138.29	161.81	0.54
Reach - 1	14773.5	500-YEAR	1100.00	161.76	167.26	166.44	167.97	0.008103	7.04	252.85	183.64	0.64
Reach - 1	14639.0	2-YEAR	180.00	161.14	164.32	162.96	164.36	0.001135	1.74	216.36	235.55	0.22
Reach - 1	14639.0	5-YEAR	285.00	161.14	165.28	163.45	165.30	0.000490	1.49	496.81	346.75	0.15
Reach - 1	14639.0	10-YEAR	379.00	161.14	166.12	163.73	166.14	0.000278	1.33	828.12	432.06	0.12
Reach - 1	14639.0	25-YEAR	509.00	161.14	166.60	164.05	166.61	0.000288	1.46	1034.88	441.26	0.13
Reach - 1	14639.0	50-YEAR	631.00	161.14	166.80	164.21	166.83	0.000356	1.68	1126.96	445.29	0.14
Reach - 1	14639.0	100-YEAR	734.00	161.14	166.96	164.35	166.98	0.000412	1.85	1195.72	448.28	0.15
Reach - 1	14639.0	500-YEAR	1100.00	161.14	167.39	164.75	167.43	0.000619	2.40	1389.61	456.61	0.19
Reach - 1	14477.5	2-YEAR	180.00	160.00	163.83	161.61	163.88	0.000686	1.90	113.72	323.28	0.18
Reach - 1	14477.5	5-YEAR	285.00	160.00	164.93	162.04	165.00	0.000637	2.21	157.99	402.75	0.19
Reach - 1	14477.5	10-YEAR	379.00	160.00	166.10	162.39	166.10	0.000023	0.47	1429.52	482.74	0.04
Reach - 1	14477.5	25-YEAR	509.00	160.00	166.57	162.77	166.57	0.000028	0.55	1660.18	499.69	0.04
Reach - 1	14477.5	50-YEAR	631.00	160.00	166.77	163.09	166.77	0.000037	0.64	1761.00	506.92	0.05
Reach - 1	14477.5	100-YEAR	734.00	160.00	166.92	163.34	166.92	0.000044	0.72	1836.16	512.24	0.05
Reach - 1	14477.5	500-YEAR	1100.00	160.00	167.32	164.13	167.33	0.000074	0.97	2045.89	526.82	0.07
Reach - 1	14464.0	Bridge										
Reach - 1	14450.5	2-YEAR	180.00	160.11	163.26	162.06	163.38	0.002384	2.80	70.93	101.46	0.32
Reach - 1	14450.5	5-YEAR	285.00	160.11	164.46	162.46	164.58	0.001451	2.89	111.24	202.04	0.27
Reach - 1	14450.5	10-YEAR	379.00	160.11	165.53	162.78	165.65	0.001043	2.92	147.29	380.21	0.24
Reach - 1	14450.5	25-YEAR	509.00	160.11	166.47	163.15	166.48	0.000084	0.93	1017.81	474.11	0.07
Reach - 1	14450.5	50-YEAR	631.00	160.11	166.70	163.48	166.71	0.000091	1.00	1128.29	481.48	0.07
Reach - 1	14450.5	100-YEAR	734.00	160.11	166.85	163.74	166.86	0.000099	1.05	1202.86	486.40	0.08
Reach - 1	14450.5	500-YEAR	1100.00	160.11	167.27	164.56	167.28	0.000129	1.26	1406.16	499.57	0.09
Reach - 1	13865.0	2-YEAR	180.00	158.90	163.20	161.31	163.22	0.000390	1.39	490.68	349.57	0.13
Reach - 1	13865.0	5-YEAR	285.00	158.90	164.46	162.19	164.47	0.000168	1.13	972.72	415.03	0.09
Reach - 1	13865.0	10-YEAR	379.00	158.90	165.56	162.36	165.56	0.000102	1.01	1456.65	470.91	0.07
Reach - 1	13865.0	25-YEAR	509.00	158.90	166.46	162.54	166.46	0.000089	1.04	1900.34	509.97	0.07
Reach - 1	13865.0	50-YEAR	631.00	158.90	166.69	162.69	166.69	0.000115	1.21	2018.06	518.16	0.08
Reach - 1	13865.0	100-YEAR	734.00	158.90	166.84	162.80	166.85	0.000140	1.35	2097.24	523.59	0.09
Reach - 1	13865.0	500-YEAR	1100.00	158.90	167.24	163.13	167.26	0.000239	1.84	2312.03	538.06	0.12
Reach - 1	13344.0	2-YEAR	180.00	157.83	162.91	160.11	162.96	0.000592	2.09	138.62	353.43	0.18
Reach - 1	13344.0	5-YEAR	285.00	157.83	164.24	160.55	164.31	0.000587	2.48	185.26	468.73	0.18
Reach - 1	13344.0	10-YEAR	379.00	157.83	165.37	160.89	165.45	0.000559	2.73	224.51	526.39	0.18
Reach - 1	13344.0	25-YEAR	509.00	157.83	166.41	161.30	166.41	0.000088	1.19	1387.65	582.22	0.07
Reach - 1	13344.0	50-YEAR	631.00	157.83	166.62	161.66	166.63	0.000120	1.41	1458.58	594.31	0.09
Reach - 1	13344.0	100-YEAR	734.00	157.83	166.76	161.94	166.77	0.000150	1.60	1505.06	602.06	0.10
Reach - 1	13344.0	500-YEAR	1100.00	157.83	167.17	162.84	167.17	0.000106	1.39	2835.76	625.36	0.08
Reach - 1	13225.0	Culvert										
Reach - 1	13106.0	2-YEAR	180.00	157.66	160.96	160.08	161.21	0.005078	4.35	61.61	108.19	0.47
Reach - 1	13106.0	5-YEAR	285.00	157.66	161.68	160.61	162.01	0.005132	5.14	86.71	163.86	0.49
Reach - 1	13106.0	10-YEAR	379.00	157.66	162.11	161.01	162.54	0.005747	5.89	101.97	187.81	0.53
Reach - 1	13106.0	25-YEAR	509.00	157.66	162.55	161.52	163.14	0.006899	6.95	117.36	209.97	0.59
Reach - 1	13106.0	50-YEAR	631.00	157.66	162.47	161.90	163.42	0.011372	8.81	114.58	205.97	0.76
Reach - 1	13106.0	100-YEAR	734.00	157.66	162.79	162.21	163.03	0.004315	5.69	389.87	221.70	0.47
Reach - 1	13106.0	500-YEAR	1100.00	157.66	163.43	162.70	163.72	0.004672	6.48	529.06	254.40	0.50
Reach - 1	12612.0	2-YEAR	180.00	155.49	159.60	157.98	159.73	0.002251	3.00	97.29	80.56	0.31
Reach - 1	12612.0	5-YEAR	285.00	155.49	160.05	158.70	160.24	0.003079	3.85	160.90	274.75	0.37
Reach - 1	12612.0	10-YEAR	379.00	155.49	160.33	159.17	160.54	0.003392	4.27	242.05	295.85	0.39
Reach - 1	12612.0	25-YEAR	509.00	155.49	160.68	159.61	160.89	0.003433	4.56	350.19	321.83	0.40
Reach - 1	12612.0	50-YEAR	631.00	155.49	160.99	160.32	161.19	0.003270	4.67	452.73	344.67	0.40
Reach - 1	12612.0	100-YEAR	734.00	155.49	161.24	160.49	161.43	0.003057	4.69	542.61	363.50	0.39
Reach - 1	12612.0	500-YEAR	1100.00	155.49	161.89	160.93	162.06	0.002952	5.03	793.24	411.49	0.39

HEC-RAS Plan: 1515 River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	12135.0	2-YEAR	302.00	153.40	157.89	157.41	158.01	0.003555	3.80	183.41	222.96	0.38
Reach - 1	12135.0	5-YEAR	495.00	153.40	158.53	157.77	158.62	0.002565	3.66	343.55	263.17	0.33
Reach - 1	12135.0	10-YEAR	648.00	153.40	158.95	157.99	159.03	0.002173	3.62	458.74	279.96	0.31
Reach - 1	12135.0	25-YEAR	849.00	153.40	159.44	158.19	159.51	0.001890	3.64	598.77	299.12	0.30
Reach - 1	12135.0	50-YEAR	1033.00	153.40	159.82	158.37	159.89	0.001753	3.69	716.30	314.29	0.29
Reach - 1	12135.0	100-YEAR	1201.00	153.40	160.08	158.47	160.15	0.001766	3.83	809.99	449.50	0.29
Reach - 1	12135.0	500-YEAR	1700.00	153.40	160.67	158.79	160.75	0.001873	4.24	1075.47	449.50	0.31
Reach - 1	11603.0	2-YEAR	302.00	151.06	154.93	154.15	155.44	0.011577	5.73	52.69	22.35	0.66
Reach - 1	11603.0	5-YEAR	495.00	151.06	156.00	155.07	156.58	0.010579	6.14	85.73	46.38	0.65
Reach - 1	11603.0	10-YEAR	648.00	151.06	156.53	155.69	157.19	0.010786	6.57	115.05	64.02	0.67
Reach - 1	11603.0	25-YEAR	849.00	151.06	157.03	156.36	157.80	0.011507	7.15	151.42	80.71	0.71
Reach - 1	11603.0	50-YEAR	1033.00	151.06	157.58	156.87	158.33	0.009983	7.16	202.92	120.91	0.67
Reach - 1	11603.0	100-YEAR	1201.00	151.06	158.08	157.23	158.71	0.007628	6.83	281.13	195.85	0.60
Reach - 1	11603.0	500-YEAR	1700.00	151.06	159.18	158.36	159.57	0.004190	5.95	587.82	359.74	0.46
Reach - 1	10871.0	2-YEAR	302.00	147.85	153.31	150.71	153.39	0.001142	2.36	128.08	39.86	0.23
Reach - 1	10871.0	5-YEAR	495.00	147.85	154.71	151.38	154.81	0.000946	2.61	222.64	142.39	0.22
Reach - 1	10871.0	10-YEAR	648.00	147.85	155.38	151.82	155.49	0.000870	2.75	350.57	236.81	0.22
Reach - 1	10871.0	25-YEAR	849.00	147.85	156.33	152.33	156.42	0.000614	2.60	634.89	349.46	0.19
Reach - 1	10871.0	50-YEAR	1033.00	147.85	157.21	152.76	157.27	0.000427	2.38	971.77	418.79	0.16
Reach - 1	10871.0	100-YEAR	1201.00	147.85	157.74	153.10	157.80	0.000382	2.36	1205.26	460.76	0.15
Reach - 1	10871.0	500-YEAR	1700.00	147.85	158.75	153.97	158.81	0.000384	2.58	1722.48	568.05	0.16
Reach - 1	10643.0	2-YEAR	358.00	146.85	153.16	149.45	153.22	0.000710	2.11	169.47	41.19	0.18
Reach - 1	10643.0	5-YEAR	594.00	146.85	154.56	150.18	154.65	0.000738	2.52	258.70	141.07	0.20
Reach - 1	10643.0	10-YEAR	744.00	146.85	155.25	150.58	155.35	0.000664	2.60	396.72	258.56	0.19
Reach - 1	10643.0	25-YEAR	953.00	146.85	156.23	151.07	156.31	0.000494	2.50	733.21	427.02	0.17
Reach - 1	10643.0	50-YEAR	1169.00	146.85	157.13	151.56	157.20	0.000370	2.35	1189.88	585.43	0.15
Reach - 1	10643.0	100-YEAR	1363.00	146.85	157.67	151.96	157.73	0.000338	2.35	1530.16	679.88	0.15
Reach - 1	10643.0	500-YEAR	1950.00	146.85	158.69	153.14	158.75	0.000329	2.51	2296.44	809.52	0.15
Reach - 1	10491.5	2-YEAR	358.00	146.18	153.11	149.25	153.15	0.000344	1.56	229.95	55.03	0.13
Reach - 1	10491.5	5-YEAR	594.00	146.18	154.52	149.94	154.57	0.000374	1.92	310.20	129.07	0.15
Reach - 1	10491.5	10-YEAR	744.00	146.18	155.20	150.26	155.27	0.000395	2.14	354.46	222.16	0.15
Reach - 1	10491.5	25-YEAR	953.00	146.18	156.17	150.67	156.25	0.000395	2.36	417.28	349.52	0.16
Reach - 1	10491.5	50-YEAR	1169.00	146.18	157.04	151.06	157.14	0.000401	2.57	474.02	446.33	0.16
Reach - 1	10491.5	100-YEAR	1363.00	146.18	157.55	151.37	157.67	0.000442	2.81	507.25	503.05	0.17
Reach - 1	10491.5	500-YEAR	1950.00	146.18	158.63	152.21	158.70	0.000318	2.55	1913.10	590.90	0.15
Reach - 1	10468.0		Bridge									
Reach - 1	10444.5	2-YEAR	358.00	146.01	152.75	149.26	152.83	0.010172	2.29	156.31	41.49	0.21
Reach - 1	10444.5	5-YEAR	594.00	146.01	154.09	150.24	154.20	0.011672	2.73	218.59	64.51	0.23
Reach - 1	10444.5	10-YEAR	744.00	146.01	154.71	150.66	154.84	0.011531	2.96	258.86	168.63	0.23
Reach - 1	10444.5	25-YEAR	953.00	146.01	155.64	151.16	155.79	0.010211	3.12	319.28	325.07	0.23
Reach - 1	10444.5	50-YEAR	1169.00	146.01	156.48	151.64	156.64	0.009468	3.28	373.84	416.75	0.22
Reach - 1	10444.5	100-YEAR	1363.00	146.01	156.90	152.04	157.09	0.010293	3.56	401.55	444.27	0.23
Reach - 1	10444.5	500-YEAR	1950.00	146.01	157.71	153.15	158.01	0.014322	4.51	453.62	495.98	0.28
Reach - 1	10183.0	2-YEAR	358.00	145.93	152.25	149.05	152.31	0.000680	1.96	185.84	82.22	0.18
Reach - 1	10183.0	5-YEAR	594.00	145.93	153.78	149.81	153.83	0.000400	1.91	463.21	278.34	0.15
Reach - 1	10183.0	10-YEAR	744.00	145.93	154.46	150.18	154.51	0.000334	1.89	675.49	337.36	0.14
Reach - 1	10183.0	25-YEAR	953.00	145.93	155.48	150.63	155.52	0.000237	1.77	1054.55	406.60	0.12
Reach - 1	10183.0	50-YEAR	1169.00	145.93	156.37	151.04	156.40	0.000188	1.72	1440.89	456.38	0.11
Reach - 1	10183.0	100-YEAR	1363.00	145.93	156.81	151.38	156.84	0.000192	1.80	1642.80	473.49	0.11
Reach - 1	10183.0	500-YEAR	1950.00	145.93	157.61	152.70	157.65	0.000243	2.15	2035.43	505.10	0.13
Reach - 1	9592.0	2-YEAR	358.00	145.08	151.54	148.54	151.73	0.001401	3.71	141.89	38.63	0.28
Reach - 1	9592.0	5-YEAR	594.00	145.08	153.06	149.52	153.37	0.001717	4.83	244.38	143.93	0.32
Reach - 1	9592.0	10-YEAR	744.00	145.08	153.92	150.08	154.14	0.001246	4.44	434.64	296.61	0.28
Reach - 1	9592.0	25-YEAR	953.00	145.08	155.22	150.73	155.31	0.000555	3.28	869.80	363.36	0.19
Reach - 1	9592.0	50-YEAR	1169.00	145.08	156.19	151.35	156.25	0.000369	2.86	1243.28	404.65	0.16
Reach - 1	9592.0	100-YEAR	1363.00	145.08	156.63	151.73	156.68	0.000363	2.91	1423.79	421.77	0.16
Reach - 1	9592.0	500-YEAR	1950.00	145.08	157.39	154.41	157.46	0.000443	3.37	1757.36	451.71	0.18
Reach - 1	9455.5	2-YEAR	358.00	145.73	151.03	148.88	151.20	0.007926	3.32	107.88	31.90	0.32
Reach - 1	9455.5	5-YEAR	594.00	145.73	152.54	149.68	152.76	0.007495	3.75	158.44	36.20	0.31
Reach - 1	9455.5	10-YEAR	744.00	145.73	153.44	150.10	153.68	0.006944	3.90	190.78	38.79	0.30
Reach - 1	9455.5	25-YEAR	953.00	145.73	154.81	150.63	155.05	0.005775	3.94	242.09	54.68	0.28
Reach - 1	9455.5	50-YEAR	1169.00	145.73	155.84	151.12	156.06	0.004660	3.91	374.39	265.64	0.25
Reach - 1	9455.5	100-YEAR	1363.00	145.73	156.34	151.53	156.51	0.004146	3.58	566.45	350.13	0.23
Reach - 1	9455.5	500-YEAR	1950.00	145.73	157.11	152.59	157.26	0.003863	3.69	873.05	444.03	0.23
Reach - 1	9306.0		Culvert									
Reach - 1	9156.5	2-YEAR	358.00	145.58	150.11	148.62	150.50	0.004375	5.15	84.19	30.13	0.46
Reach - 1	9156.5	5-YEAR	594.00	145.58	151.37	149.61	151.93	0.004446	6.25	124.67	34.10	0.48
Reach - 1	9156.5	10-YEAR	744.00	145.58	152.05	150.12	152.71	0.004512	6.83	148.62	39.53	0.50
Reach - 1	9156.5	25-YEAR	953.00	145.58	152.84	150.76	153.62	0.004616	7.52	179.85	100.00	0.51

HEC-RAS Plan: 1515 River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	9156.5	50-YEAR	1169.00	145.58	153.56	151.36	154.46	0.004690	8.12	208.81	155.08	0.53
Reach - 1	9156.5	100-YEAR	1363.00	145.58	154.25	151.87	155.29	0.004799	8.72	244.74	229.76	0.54
Reach - 1	9156.5	500-YEAR	1950.00	145.58	155.51	153.37	156.47	0.004298	9.08	442.23	431.29	0.52
Reach - 1	9031	2-YEAR	358.00	145.58	149.47	147.50	149.61	0.001757	2.95	121.40	47.96	0.29
Reach - 1	9031	5-YEAR	594.00	145.58	150.88	148.13	151.05	0.001446	3.35	178.77	162.17	0.28
Reach - 1	9031	10-YEAR	744.00	145.58	151.62	148.49	151.82	0.001354	3.60	209.85	255.44	0.28
Reach - 1	9031	25-YEAR	953.00	145.58	152.45	148.94	152.69	0.001352	3.97	244.61	313.55	0.28
Reach - 1	9031	50-YEAR	1169.00	145.58	153.19	149.36	153.48	0.001376	4.32	275.81	330.68	0.29
Reach - 1	9031	100-YEAR	1363.00	145.58	153.96	149.72	154.28	0.001306	4.52	307.91	348.30	0.29
Reach - 1	9031	500-YEAR	1950.00	145.58	155.78	150.65	155.82	0.000246	2.19	1919.02	496.01	0.13
Reach - 1	9021	Bridge										
Reach - 1	9011	2-YEAR	358.00	145.58	149.37	147.49	149.51	0.001924	3.03	118.20	50.05	0.30
Reach - 1	9011	5-YEAR	594.00	145.58	150.80	148.13	150.98	0.001520	3.39	176.03	100.53	0.29
Reach - 1	9011	10-YEAR	744.00	145.58	151.55	148.48	151.75	0.001403	3.62	207.36	143.13	0.28
Reach - 1	9011	25-YEAR	953.00	145.58	152.38	148.93	152.62	0.001389	3.98	242.16	175.81	0.29
Reach - 1	9011	50-YEAR	1169.00	145.58	153.12	149.35	153.41	0.001407	4.34	273.31	189.27	0.30
Reach - 1	9011	100-YEAR	1363.00	145.58	153.89	149.71	154.21	0.001326	4.53	305.62	321.38	0.29
Reach - 1	9011	500-YEAR	1950.00	145.58	155.69	150.64	155.78	0.000465	2.76	1500.87	458.88	0.17
Reach - 1	8603.0	2-YEAR	358.00	143.86	148.95	146.20	149.03	0.001016	2.25	159.04	49.26	0.22
Reach - 1	8603.0	5-YEAR	594.00	143.86	150.49	146.88	150.58	0.000846	2.44	246.53	70.49	0.21
Reach - 1	8603.0	10-YEAR	744.00	143.86	151.29	147.24	151.39	0.000732	2.55	311.05	90.60	0.20
Reach - 1	8603.0	25-YEAR	953.00	143.86	152.15	147.69	152.26	0.000688	2.75	400.14	133.37	0.20
Reach - 1	8603.0	50-YEAR	1169.00	143.86	152.94	148.13	153.06	0.000618	2.84	556.67	261.90	0.19
Reach - 1	8603.0	100-YEAR	1363.00	143.86	153.79	148.51	153.89	0.000477	2.70	838.72	400.18	0.17
Reach - 1	8603.0	500-YEAR	1950.00	143.86	155.58	149.44	155.65	0.000308	2.50	1630.13	459.90	0.14
Reach - 1	7894.0	2-YEAR	469.00	141.66	147.85	145.38	148.02	0.001623	3.78	236.58	100.96	0.29
Reach - 1	7894.0	5-YEAR	839.00	141.66	149.48	146.54	149.68	0.001496	4.37	457.55	172.47	0.30
Reach - 1	7894.0	10-YEAR	1092.00	141.66	150.44	147.22	150.62	0.001255	4.37	644.52	216.01	0.28
Reach - 1	7894.0	25-YEAR	1400.00	141.66	151.47	147.88	151.62	0.000983	4.20	890.82	262.36	0.25
Reach - 1	7894.0	50-YEAR	1704.00	141.66	152.37	148.41	152.50	0.000823	4.11	1151.15	329.93	0.23
Reach - 1	7894.0	100-YEAR	2000.00	141.66	153.36	148.96	153.46	0.000646	3.88	1530.67	444.34	0.21
Reach - 1	7894.0	500-YEAR	2900.00	141.66	155.30	150.27	155.37	0.000417	3.49	2517.18	519.60	0.17
Reach - 1	7664.0	2-YEAR	469.00	140.94	147.69	144.71	147.80	0.001069	2.75	176.10	51.35	0.24
Reach - 1	7664.0	5-YEAR	839.00	140.94	149.28	145.78	149.47	0.001170	3.56	252.38	65.76	0.26
Reach - 1	7664.0	10-YEAR	1092.00	140.94	150.18	146.29	150.42	0.001218	3.99	299.40	81.20	0.27
Reach - 1	7664.0	25-YEAR	1400.00	140.94	151.13	146.82	151.43	0.001268	4.45	356.43	126.13	0.28
Reach - 1	7664.0	50-YEAR	1704.00	140.94	151.97	147.29	152.32	0.001310	4.84	406.71	165.84	0.29
Reach - 1	7664.0	100-YEAR	2000.00	140.94	152.91	147.73	153.29	0.001252	5.08	463.27	316.98	0.29
Reach - 1	7664.0	500-YEAR	2900.00	140.94	154.65	148.93	155.21	0.001458	6.13	567.95	496.90	0.32
Reach - 1	7629.0	Bridge										
Reach - 1	7594.0	2-YEAR	469.00	140.72	146.98	144.49	147.12	0.001587	2.99	156.80	49.33	0.28
Reach - 1	7594.0	5-YEAR	839.00	140.72	148.23	145.53	148.47	0.001989	3.95	212.40	55.59	0.32
Reach - 1	7594.0	10-YEAR	1092.00	140.72	148.94	146.02	149.25	0.002206	4.44	245.89	59.31	0.35
Reach - 1	7594.0	25-YEAR	1400.00	140.72	149.71	146.53	150.09	0.002406	4.94	283.65	63.29	0.37
Reach - 1	7594.0	50-YEAR	1704.00	140.72	150.44	147.00	150.88	0.002413	5.30	322.06	70.40	0.37
Reach - 1	7594.0	100-YEAR	2000.00	140.72	151.57	147.43	151.98	0.001834	5.17	389.08	84.83	0.34
Reach - 1	7594.0	500-YEAR	2900.00	140.72	152.79	148.63	153.41	0.002165	6.22	462.18	138.03	0.37
Reach - 1	7199.0	2-YEAR	469.00	139.99	146.66	142.72	146.74	0.000654	2.24	209.55	65.24	0.20
Reach - 1	7199.0	5-YEAR	839.00	139.99	147.82	143.77	147.96	0.000883	3.00	359.73	193.14	0.24
Reach - 1	7199.0	10-YEAR	1092.00	139.99	148.53	144.37	148.68	0.000912	3.26	512.39	230.06	0.25
Reach - 1	7199.0	25-YEAR	1400.00	139.99	149.34	145.00	149.50	0.000836	3.43	734.13	317.89	0.24
Reach - 1	7199.0	50-YEAR	1704.00	139.99	150.14	145.56	150.30	0.000723	3.46	1024.69	395.69	0.23
Reach - 1	7199.0	100-YEAR	2000.00	139.99	151.43	146.11	151.54	0.000454	3.07	1567.76	449.78	0.19
Reach - 1	7199.0	500-YEAR	2900.00	139.99	152.71	147.54	152.84	0.000481	3.48	2168.66	473.80	0.20
Reach - 1	6752.0	2-YEAR	469.00	139.17	146.36	141.91	146.42	0.000519	1.87	256.53	92.51	0.16
Reach - 1	6752.0	5-YEAR	839.00	139.17	147.44	142.94	147.53	0.000670	2.48	405.75	183.75	0.19
Reach - 1	6752.0	10-YEAR	1092.00	139.17	148.16	143.51	148.26	0.000645	2.66	559.16	240.54	0.19
Reach - 1	6752.0	25-YEAR	1400.00	139.17	149.02	144.17	149.11	0.000568	2.73	787.67	292.30	0.19
Reach - 1	6752.0	50-YEAR	1704.00	139.17	149.88	144.79	149.97	0.000478	2.72	1061.43	344.21	0.17
Reach - 1	6752.0	100-YEAR	2000.00	139.17	151.27	145.30	151.33	0.000294	2.38	1599.37	429.65	0.14
Reach - 1	6752.0	500-YEAR	2900.00	139.17	152.54	146.74	152.62	0.000319	2.71	2187.38	474.70	0.15
Reach - 1	6116.0	2-YEAR	469.00	138.00	146.23	140.74	146.26	0.000168	1.40	583.55	302.60	0.10
Reach - 1	6116.0	5-YEAR	839.00	138.00	147.28	141.77	147.32	0.000235	1.84	920.62	343.06	0.12
Reach - 1	6116.0	10-YEAR	1092.00	138.00	148.00	142.35	148.04	0.000241	1.98	1178.24	371.03	0.12
Reach - 1	6116.0	25-YEAR	1400.00	138.00	148.87	142.96	148.91	0.000230	2.07	1523.53	421.28	0.12
Reach - 1	6116.0	50-YEAR	1704.00	138.00	149.75	143.52	149.79	0.000207	2.10	1916.17	471.96	0.12
Reach - 1	6116.0	100-YEAR	2000.00	138.00	151.19	143.96	151.22	0.000139	1.88	2646.01	542.28	0.10
Reach - 1	6116.0	500-YEAR	2900.00	138.00	152.45	145.78	152.48	0.000167	2.21	3362.21	580.60	0.11

HEC-RAS Plan: 1515 River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	5458.0	2-YEAR	469.00	136.78	146.10	139.57	146.13	0.000197	1.31	358.54	80.78	0.10
Reach - 1	5458.0	5-YEAR	839.00	136.78	147.05	140.62	147.11	0.000377	1.89	479.23	173.82	0.14
Reach - 1	5458.0	10-YEAR	1092.00	136.78	147.75	141.19	147.82	0.000425	2.07	625.28	242.72	0.16
Reach - 1	5458.0	25-YEAR	1400.00	136.78	148.64	141.82	148.70	0.000383	2.14	893.97	375.87	0.15
Reach - 1	5458.0	50-YEAR	1704.00	136.78	149.55	142.37	149.61	0.000311	2.11	1307.23	530.80	0.14
Reach - 1	5458.0	100-YEAR	2000.00	136.78	151.07	142.85	151.11	0.000172	1.78	2256.30	692.61	0.11
Reach - 1	5458.0	500-YEAR	2900.00	136.78	152.32	144.14	152.36	0.000185	2.02	3178.16	767.30	0.11
Reach - 1	5218.0	2-YEAR	469.00	136.34	146.07	139.11	146.09	0.000121	1.23	398.48	323.61	0.08
Reach - 1	5218.0	5-YEAR	839.00	136.34	146.98	140.17	147.04	0.000242	1.90	462.24	404.27	0.12
Reach - 1	5218.0	10-YEAR	1092.00	136.34	147.66	140.76	147.73	0.000301	2.24	509.40	463.92	0.14
Reach - 1	5218.0	25-YEAR	1400.00	136.34	148.51	141.40	148.61	0.000345	2.56	569.53	512.99	0.15
Reach - 1	5218.0	50-YEAR	1704.00	136.34	149.40	141.97	149.52	0.000364	2.80	631.81	545.10	0.16
Reach - 1	5218.0	100-YEAR	2000.00	136.34	150.92	142.47	151.04	0.000302	2.80	738.11	676.97	0.15
Reach - 1	5218.0	500-YEAR	2900.00	136.34	152.29	144.13	152.32	0.000113	1.85	4214.94	805.70	0.09
Reach - 1	5160.0		Culvert									
Reach - 1	5102.0	2-YEAR	469.00	136.21	146.03	138.98	146.06	0.000117	1.22	394.47	91.74	0.08
Reach - 1	5102.0	5-YEAR	839.00	136.21	146.84	140.04	146.90	0.000240	1.89	451.26	99.68	0.12
Reach - 1	5102.0	10-YEAR	1092.00	136.21	147.41	140.63	147.49	0.000307	2.24	490.55	105.17	0.14
Reach - 1	5102.0	25-YEAR	1400.00	136.21	148.08	141.27	148.19	0.000369	2.59	537.66	126.04	0.15
Reach - 1	5102.0	50-YEAR	1704.00	136.21	148.73	141.84	148.88	0.000414	2.88	583.28	251.76	0.16
Reach - 1	5102.0	100-YEAR	2000.00	136.21	149.95	142.34	150.11	0.000357	2.89	668.66	487.04	0.16
Reach - 1	5102.0	500-YEAR	2900.00	136.21	150.80	143.87	151.09	0.000560	3.81	728.12	586.38	0.20
Reach - 1	4679.0	2-YEAR	469.00	136.16	146.00	140.89	146.00	0.000086	0.84	1265.44	532.52	0.07
Reach - 1	4679.0	5-YEAR	839.00	136.16	146.79	142.22	146.80	0.000130	1.14	1694.53	549.88	0.08
Reach - 1	4679.0	10-YEAR	1092.00	136.16	147.35	143.67	147.36	0.000140	1.26	2006.29	561.96	0.09
Reach - 1	4679.0	25-YEAR	1400.00	136.16	148.03	143.92	148.04	0.000142	1.36	2393.85	576.76	0.09
Reach - 1	4679.0	50-YEAR	1704.00	136.16	148.69	144.18	148.71	0.000139	1.43	2782.97	593.88	0.09
Reach - 1	4679.0	100-YEAR	2000.00	136.16	149.95	144.26	149.96	0.000098	1.32	3547.29	626.14	0.08
Reach - 1	4679.0	500-YEAR	2900.00	136.16	150.83	144.73	150.84	0.000135	1.65	4098.97	627.50	0.09
Reach - 1	4444.0	2-YEAR	469.00	136.13	145.97	140.86	145.98	0.000092	0.86	1218.76	503.39	0.07
Reach - 1	4444.0	5-YEAR	839.00	136.13	146.75	142.19	146.76	0.000141	1.18	1621.64	528.86	0.09
Reach - 1	4444.0	10-YEAR	1092.00	136.13	147.31	143.66	147.32	0.000153	1.31	1921.58	546.62	0.09
Reach - 1	4444.0	25-YEAR	1400.00	136.13	147.99	144.01	148.00	0.000155	1.41	2300.66	568.28	0.09
Reach - 1	4444.0	50-YEAR	1704.00	136.13	148.66	144.20	148.67	0.000152	1.49	2686.95	592.75	0.10
Reach - 1	4444.0	100-YEAR	2000.00	136.13	149.92	144.37	149.93	0.000106	1.38	3465.97	639.35	0.08
Reach - 1	4444.0	500-YEAR	2900.00	136.13	150.79	144.74	150.81	0.000145	1.72	4024.13	642.30	0.10
Reach - 1	4276.5	2-YEAR	469.00	136.11	145.95	140.52	145.96	0.000092	1.04	1064.54	420.21	0.07
Reach - 1	4276.5	5-YEAR	839.00	136.11	146.72	141.90	146.74	0.000158	1.47	1405.31	469.65	0.09
Reach - 1	4276.5	10-YEAR	1092.00	136.11	147.28	143.35	147.29	0.000179	1.64	1676.06	507.04	0.10
Reach - 1	4276.5	25-YEAR	1400.00	136.11	147.96	143.87	147.97	0.000187	1.77	2036.04	552.86	0.10
Reach - 1	4276.5	50-YEAR	1704.00	136.11	148.62	144.27	148.64	0.000183	1.83	2415.75	585.31	0.10
Reach - 1	4276.5	100-YEAR	2000.00	136.11	149.90	144.47	149.91	0.000126	1.65	3200.91	645.65	0.09
Reach - 1	4276.5	500-YEAR	2900.00	136.11	150.76	144.96	150.78	0.000171	2.03	3761.26	650.50	0.10
Reach - 1	4266.5		Bridge									
Reach - 1	4256.5	2-YEAR	469.00	136.11	145.94	140.52	145.95	0.000110	1.14	951.28	387.90	0.08
Reach - 1	4256.5	5-YEAR	839.00	136.11	146.71	141.90	146.72	0.000191	1.61	1264.95	438.73	0.10
Reach - 1	4256.5	10-YEAR	1092.00	136.11	147.26	143.33	147.28	0.000217	1.80	1517.83	477.26	0.11
Reach - 1	4256.5	25-YEAR	1400.00	136.11	147.94	143.84	147.96	0.000226	1.94	1857.46	524.59	0.11
Reach - 1	4256.5	50-YEAR	1704.00	136.11	148.60	144.29	148.63	0.000223	2.02	2222.52	572.20	0.11
Reach - 1	4256.5	100-YEAR	2000.00	136.11	149.88	144.54	149.90	0.000153	1.82	3013.94	664.01	0.10
Reach - 1	4256.5	500-YEAR	2900.00	136.11	150.74	145.07	150.76	0.000205	2.21	3589.64	672.50	0.11
Reach - 1	4251.5	2-YEAR	469.00	136.11	145.89	140.54	145.95	0.000480	1.96	259.64	375.51	0.16
Reach - 1	4251.5	5-YEAR	839.00	136.11	146.56	141.91	146.71	0.000987	3.07	300.16	421.58	0.23
Reach - 1	4251.5	10-YEAR	1092.00	136.11	147.05	142.68	147.26	0.001254	3.66	329.47	456.53	0.26
Reach - 1	4251.5	25-YEAR	1400.00	136.11	147.65	144.01	147.93	0.001492	4.25	365.57	499.58	0.29
Reach - 1	4251.5	50-YEAR	1704.00	136.11	148.25	144.44	148.59	0.001653	4.74	401.20	542.87	0.31
Reach - 1	4251.5	100-YEAR	2000.00	136.11	149.79	144.81	149.89	0.000555	3.12	1522.13	657.74	0.19
Reach - 1	4251.5	500-YEAR	2900.00	136.11	150.73	145.84	150.76	0.000213	2.07	3476.09	673.80	0.12
Reach - 1	4222.0		Bridge									
Reach - 1	4192.5	2-YEAR	469.00	136.01	145.68	140.43	145.77	0.000648	2.43	212.80	59.35	0.18
Reach - 1	4192.5	5-YEAR	839.00	136.01	146.18	141.80	146.42	0.001634	3.99	234.66	73.63	0.28
Reach - 1	4192.5	10-YEAR	1092.00	136.01	146.47	142.58	146.84	0.002428	4.95	247.41	81.83	0.34
Reach - 1	4192.5	25-YEAR	1400.00	136.01	146.78	143.52	147.33	0.003490	6.04	261.01	90.54	0.41
Reach - 1	4192.5	50-YEAR	1704.00	136.01	147.05	144.26	147.80	0.004624	7.06	272.78	98.04	0.47
Reach - 1	4192.5	100-YEAR	2000.00	136.01	147.27	144.79	148.23	0.005829	8.02	282.41	104.17	0.52
Reach - 1	4192.5	500-YEAR	2900.00	136.01	148.09	146.18	149.02	0.006046	8.54	451.97	131.59	0.53
Reach - 1	3814.0	2-YEAR	469.00	136.10	145.61	140.57	145.62	0.000187	1.19	918.24	463.84	0.10
Reach - 1	3814.0	5-YEAR	839.00	136.10	146.06	141.97	146.08	0.000359	1.75	1128.58	474.53	0.14

HEC-RAS Plan: 1515 River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	3814.0	10-YEAR	1092.00	136.10	146.33	142.73	146.37	0.000459	2.05	1258.78	481.22	0.16
Reach - 1	3814.0	25-YEAR	1400.00	136.10	146.64	144.46	146.68	0.000564	2.35	1406.93	488.72	0.17
Reach - 1	3814.0	50-YEAR	1704.00	136.10	146.92	144.66	146.97	0.000650	2.61	1546.10	495.66	0.19
Reach - 1	3814.0	100-YEAR	2000.00	136.10	147.17	144.81	147.23	0.000728	2.84	1669.20	501.72	0.20
Reach - 1	3814.0	500-YEAR	2900.00	136.10	147.86	145.21	147.94	0.000909	3.40	2021.06	518.65	0.23
Reach - 1	3273.0	2-YEAR	469.00	136.23	145.49	140.70	145.50	0.000219	1.24	914.38	490.31	0.10
Reach - 1	3273.0	5-YEAR	839.00	136.23	145.81	142.10	145.84	0.000467	1.89	1072.05	495.35	0.15
Reach - 1	3273.0	10-YEAR	1092.00	136.23	146.00	142.86	146.04	0.000633	2.26	1167.14	498.36	0.18
Reach - 1	3273.0	25-YEAR	1400.00	136.23	146.21	144.52	146.27	0.000819	2.65	1275.69	501.75	0.21
Reach - 1	3273.0	50-YEAR	1704.00	136.23	146.42	144.68	146.49	0.000978	2.97	1380.70	505.01	0.23
Reach - 1	3273.0	100-YEAR	2000.00	136.23	146.60	144.85	146.68	0.001133	3.27	1469.93	507.75	0.25
Reach - 1	3273.0	500-YEAR	2900.00	136.23	147.13	145.22	147.24	0.001480	3.98	1740.96	516.01	0.29
Reach - 1	2684.0	2-YEAR	469.00	136.37	145.46	138.92	145.47	0.000025	0.58	1586.10	635.81	0.04
Reach - 1	2684.0	5-YEAR	839.00	136.37	145.75	139.53	145.76	0.000067	0.97	1768.07	654.83	0.06
Reach - 1	2684.0	10-YEAR	1092.00	136.37	145.91	139.86	145.92	0.000102	1.22	1873.74	665.62	0.08
Reach - 1	2684.0	25-YEAR	1400.00	136.37	146.08	140.36	146.11	0.000149	1.50	1991.60	676.88	0.10
Reach - 1	2684.0	50-YEAR	1704.00	136.37	146.25	140.60	146.28	0.000198	1.75	2105.19	686.90	0.11
Reach - 1	2684.0	100-YEAR	2000.00	136.37	146.38	140.85	146.43	0.000251	1.99	2196.35	694.85	0.13
Reach - 1	2684.0	500-YEAR	2900.00	136.37	146.78	141.52	146.86	0.000411	2.64	2480.57	719.05	0.16
Reach - 1	2009.0	2-YEAR	469.00	136.54	145.45	138.30	145.46	0.000008	0.33	2104.56	663.69	0.02
Reach - 1	2009.0	5-YEAR	839.00	136.54	145.72	138.97	145.73	0.000023	0.57	2282.75	670.12	0.04
Reach - 1	2009.0	10-YEAR	1092.00	136.54	145.87	139.25	145.88	0.000036	0.72	2381.57	673.65	0.05
Reach - 1	2009.0	25-YEAR	1400.00	136.54	146.03	139.52	146.04	0.000054	0.90	2487.89	677.35	0.06
Reach - 1	2009.0	50-YEAR	1704.00	136.54	146.17	139.74	146.19	0.000073	1.06	2587.53	680.39	0.07
Reach - 1	2009.0	100-YEAR	2000.00	136.54	146.28	139.93	146.30	0.000096	1.23	2662.53	682.67	0.08
Reach - 1	2009.0	500-YEAR	2900.00	136.54	146.61	140.57	146.65	0.000170	1.68	2888.51	689.48	0.11
Reach - 1	1834.0	2-YEAR	469.00	136.58	145.46	137.68	145.46	0.000002	0.14	3319.86	589.94	0.01
Reach - 1	1834.0	5-YEAR	839.00	136.58	145.72	138.06	145.72	0.000004	0.24	3459.54	612.43	0.02
Reach - 1	1834.0	10-YEAR	1092.00	136.58	145.87	138.28	145.87	0.000007	0.31	3558.78	629.03	0.02
Reach - 1	1834.0	25-YEAR	1400.00	136.58	146.03	138.52	146.03	0.000010	0.39	3651.45	647.14	0.03
Reach - 1	1834.0	50-YEAR	1704.00	136.58	146.18	138.78	146.18	0.000014	0.46	3740.13	661.40	0.03
Reach - 1	1834.0	100-YEAR	2000.00	136.58	146.29	138.97	146.30	0.000018	0.54	3807.85	669.10	0.03
Reach - 1	1834.0	500-YEAR	2900.00	136.58	146.63	139.37	146.64	0.000033	0.74	4108.79	695.59	0.05
Reach - 1	1784.0		Ini Struct									
Reach - 1	1734.0	2-YEAR	469.00	135.26	144.61	138.71	144.62	0.000049	0.80	1585.94	552.29	0.05
Reach - 1	1734.0	5-YEAR	839.00	135.26	144.88	139.34	144.90	0.000130	1.34	1734.37	562.10	0.09
Reach - 1	1734.0	10-YEAR	1092.00	135.26	145.05	139.71	145.08	0.000197	1.67	1832.19	568.48	0.11
Reach - 1	1734.0	25-YEAR	1400.00	135.26	145.25	140.12	145.30	0.000284	2.05	1948.09	575.96	0.13
Reach - 1	1734.0	50-YEAR	1704.00	135.26	145.46	140.50	145.52	0.000371	2.38	2064.66	583.39	0.15
Reach - 1	1734.0	100-YEAR	2000.00	135.26	145.65	140.84	145.73	0.000455	2.68	2176.41	590.43	0.17
Reach - 1	1734.0	500-YEAR	2900.00	135.26	146.25	142.06	146.37	0.000677	3.44	2538.18	615.70	0.21
Reach - 1	1364.0	2-YEAR	469.00	134.44	144.58	137.89	144.59	0.000042	0.80	1269.23	439.26	0.05
Reach - 1	1364.0	5-YEAR	839.00	134.44	144.80	138.52	144.82	0.000119	1.37	1364.96	458.52	0.09
Reach - 1	1364.0	10-YEAR	1092.00	134.44	144.92	138.89	144.96	0.000188	1.74	1423.59	469.93	0.11
Reach - 1	1364.0	25-YEAR	1400.00	134.44	145.06	139.30	145.12	0.000286	2.18	1488.71	482.29	0.14
Reach - 1	1364.0	50-YEAR	1704.00	134.44	145.19	139.68	145.28	0.000395	2.59	1552.04	494.00	0.16
Reach - 1	1364.0	100-YEAR	2000.00	134.44	145.30	140.03	145.42	0.000512	2.97	1609.78	504.45	0.18
Reach - 1	1364.0	500-YEAR	2900.00	134.44	145.67	140.96	145.88	0.000886	4.03	1802.09	537.78	0.24
Reach - 1	989.0	2-YEAR	469.00	133.63	144.57	137.08	144.58	0.000026	0.68	1709.58	490.86	0.04
Reach - 1	989.0	5-YEAR	839.00	133.63	144.77	137.71	144.78	0.000076	1.17	1806.17	504.95	0.07
Reach - 1	989.0	10-YEAR	1092.00	133.63	144.88	138.09	144.90	0.000122	1.49	1861.46	512.85	0.09
Reach - 1	989.0	25-YEAR	1400.00	133.63	144.99	138.50	145.03	0.000190	1.87	1918.80	520.91	0.11
Reach - 1	989.0	50-YEAR	1704.00	133.63	145.09	138.87	145.15	0.000267	2.24	1971.36	528.19	0.13
Reach - 1	989.0	100-YEAR	2000.00	133.63	145.17	139.21	145.25	0.000353	2.59	2015.44	534.22	0.15
Reach - 1	989.0	500-YEAR	2900.00	133.63	145.42	140.08	145.58	0.000654	3.59	2154.18	552.77	0.21
Reach - 1	702.0	2-YEAR	469.00	133.01	144.57	136.46	144.57	0.000017	0.58	2504.44	723.92	0.03
Reach - 1	702.0	5-YEAR	839.00	133.01	144.75	137.10	144.76	0.000051	0.99	2640.30	744.23	0.06
Reach - 1	702.0	10-YEAR	1092.00	133.01	144.85	137.47	144.87	0.000081	1.27	2715.63	755.24	0.07
Reach - 1	702.0	25-YEAR	1400.00	133.01	144.95	137.88	144.98	0.000127	1.60	2790.87	766.09	0.09
Reach - 1	702.0	50-YEAR	1704.00	133.01	145.04	138.25	145.08	0.000179	1.91	2857.39	775.56	0.11
Reach - 1	702.0	100-YEAR	2000.00	133.01	145.11	138.60	145.16	0.000238	2.22	2909.91	782.95	0.13
Reach - 1	702.0	500-YEAR	2900.00	133.01	145.31	139.46	145.41	0.000452	3.10	3067.99	804.78	0.18
Reach - 1	544.0	2-YEAR	469.00	132.67	144.57	134.30	144.57	0.000000	0.06	8116.75	977.88	0.00
Reach - 1	544.0	5-YEAR	839.00	132.67	144.76	134.53	144.76	0.000000	0.10	8303.49	986.88	0.01
Reach - 1	544.0	10-YEAR	1092.00	132.67	144.87	134.67	144.87	0.000001	0.13	8407.52	991.89	0.01
Reach - 1	544.0	25-YEAR	1400.00	132.67	144.97	134.79	144.97	0.000001	0.17	8512.78	996.95	0.01
Reach - 1	544.0	50-YEAR	1704.00	132.67	145.07	134.88	145.07	0.000002	0.20	8607.13	1001.47	0.01
Reach - 1	544.0	100-YEAR	2000.00	132.67	145.14	134.96	145.14	0.000002	0.24	8683.92	1005.13	0.01
Reach - 1	544.0	500-YEAR	2900.00	132.67	145.38	135.15	145.38	0.000005	0.34	8919.01	1016.27	0.02

HEC-RAS Plan: 1515 River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach - 1	526.0		Inl Struct									
Reach - 1	508.0	2-YEAR	469.00	129.48	135.12	134.53	136.05	0.012709	7.91	79.30	53.61	0.71
Reach - 1	508.0	5-YEAR	839.00	129.48	136.19	136.19	137.55	0.014583	9.99	157.81	92.15	0.80
Reach - 1	508.0	10-YEAR	1092.00	129.48	137.21	137.21	138.24	0.009940	9.35	340.83	537.38	0.68
Reach - 1	508.0	25-YEAR	1400.00	129.48	137.92	137.92	138.48	0.006194	7.97	860.41	760.68	0.55
Reach - 1	508.0	50-YEAR	1704.00	129.48	138.10	138.10	138.69	0.006908	8.56	994.65	765.42	0.58
Reach - 1	508.0	100-YEAR	2000.00	129.48	138.23	138.23	138.87	0.007825	9.22	1091.91	768.84	0.62
Reach - 1	508.0	500-YEAR	2900.00	129.48	138.79	138.62	139.32	0.007516	9.52	1529.87	784.04	0.61
Reach - 1	281.0	2-YEAR	469.00	129.00	134.78	133.46	134.86	0.002004	3.42	519.52	343.09	0.30
Reach - 1	281.0	5-YEAR	839.00	129.00	135.70	134.12	135.78	0.002002	3.91	885.39	455.84	0.31
Reach - 1	281.0	10-YEAR	1092.00	129.00	136.17	134.43	136.26	0.002000	4.15	1115.82	514.32	0.31
Reach - 1	281.0	25-YEAR	1400.00	129.00	136.66	134.76	136.75	0.002000	4.39	1380.88	574.27	0.32
Reach - 1	281.0	50-YEAR	1704.00	129.00	137.07	135.02	137.16	0.002001	4.59	1629.55	625.31	0.32
Reach - 1	281.0	100-YEAR	2000.00	129.00	137.43	135.24	137.53	0.002002	4.76	1862.43	669.59	0.32
Reach - 1	281.0	500-YEAR	2900.00	129.00	138.30	135.80	138.40	0.002001	5.16	2493.74	776.95	0.33

HEC-RAS Plan: Floodway River: Main Stem Reach: Reach - 1

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach - 1	19965.0	100-YEAR	175.65		175.70	964.03	80.66	251.90	401.45		4987.80	5012.20	
Reach - 1	19965.0	FWAY	176.35	0.70	176.46	172.93		380.80	353.20	4987.80	4987.80	5012.20	5160.73
Reach - 1	19249.0	100-YEAR	174.29		174.40	713.08	48.89	347.73	337.37		4987.80	5012.20	
Reach - 1	19249.0	FWAY	175.24	0.95	175.32	230.00	68.59	367.50	297.91	4940.00	4987.80	5012.20	5170.00
Reach - 1	18610.0	100-YEAR	174.30		174.30	2191.45	87.23	81.66	565.11		4987.80	5012.20	
Reach - 1	18610.0	FWAY	175.17	0.87	175.17	460.00	85.48	155.22	493.30	4910.00	4987.80	5012.20	5370.00
Reach - 1	18369.0	100-YEAR	174.21		174.27	1193.20	103.90	343.16	286.94		4990.50	5014.90	
Reach - 1	18369.0	FWAY	174.95	0.74	175.11	165.00	33.06	521.17	179.77	4965.00	4990.50	5014.90	5130.00
Reach - 1	18319.0		Culvert										
Reach - 1	18269.0	100-YEAR	173.13		173.39	837.49	67.34	510.54	156.12		4990.50	5014.90	
Reach - 1	18269.0	FWAY	174.05	0.92	174.27	165.00	27.95	550.12	155.92	4965.00	4990.50	5014.90	5130.00
Reach - 1	17365.0	100-YEAR	171.85		171.89	1409.80	156.20	291.81	285.99		4987.80	5012.20	
Reach - 1	17365.0	FWAY	172.78	0.94	172.88	200.00	142.68	439.57	151.75	4900.00	4987.80	5012.20	5100.00
Reach - 1	16746.0	100-YEAR	171.50		171.52	1792.65	105.60	243.32	385.08		4987.80	5012.20	
Reach - 1	16746.0	FWAY	172.29	0.79	172.35	350.00	87.89	389.48	256.63	4900.00	4987.80	5012.20	5250.00
Reach - 1	16222.0	100-YEAR	171.16		171.24	998.82	64.99	527.66	141.35		4981.00	5019.00	
Reach - 1	16222.0	FWAY	171.89	0.73	172.00	100.00	19.89	645.13	68.98	4965.00	4981.00	5019.00	5065.00
Reach - 1	15591.0	100-YEAR	170.81		170.87	868.88	107.91	545.15	80.94		4981.00	5019.00	
Reach - 1	15591.0	FWAY	171.55	0.74	171.64	90.00	42.85	652.29	38.86	4950.00	4981.00	5019.00	5040.00
Reach - 1	15001.0	100-YEAR	170.56		170.62	801.68	73.75	562.32	97.94		4981.00	5019.00	
Reach - 1	15001.0	FWAY	171.31	0.75	171.39	70.00	19.57	670.58	43.85	4970.00	4981.00	5019.00	5040.00
Reach - 1	14858.5	100-YEAR	170.51		170.57	472.49	16.32	550.63	167.05		4990.00	5028.00	
Reach - 1	14858.5	FWAY	171.31	0.79	171.34	190.00	16.52	486.67	230.81	4960.00	4990.00	5028.00	5170.00
Reach - 1	14816.0		Culvert										
Reach - 1	14773.5	100-YEAR	166.87		167.35	50.66	2.14	728.89	2.97		4990.00	5028.00	
Reach - 1	14773.5	FWAY	167.87	1.00	168.06	187.19	6.74	632.78	94.48	4925.00	4990.00	5028.00	5200.00
Reach - 1	14639.0	100-YEAR	166.96		166.98	448.28	255.48	353.63	124.89		4989.85	5031.40	
Reach - 1	14639.0	FWAY	167.90	0.94	167.91	400.00	254.69	322.28	157.03	4825.00	4989.85	5031.40	5225.00
Reach - 1	14477.5	100-YEAR	166.92		166.92	512.24	464.21	242.53	27.26		4992.50	5049.20	
Reach - 1	14477.5	FWAY	167.87	0.95	167.88	340.00	451.75	254.90	27.35	4750.00	4992.50	5049.20	5090.00
Reach - 1	14464.0 BR U	100-YEAR	166.92		166.92	364.21	531.51	100.89	109.40		4989.50	5009.80	
Reach - 1	14464.0 BR U	FWAY	167.82	0.90	167.86	292.03	460.95	167.74	105.32	4750.00	4989.50	5009.80	5090.00
Reach - 1	14464.0 BR D	100-YEAR	166.85		166.92	352.66	531.51	100.89	109.40		4989.50	5009.80	
Reach - 1	14464.0 BR D	FWAY	167.72	0.86	167.80	230.75	378.35	222.49	133.15	4840.00	4989.50	5009.80	5160.00
Reach - 1	14450.5	100-YEAR	166.85		166.86	486.40	484.14	181.52	68.34		4980.30	5009.80	
Reach - 1	14450.5	FWAY	167.71	0.86	167.73	272.83	240.18	339.17	154.66	4840.00	4980.30	5009.80	5160.00
Reach - 1	13865.0	100-YEAR	166.84		166.85	523.59	366.81	158.62	208.57		4991.65	5008.35	
Reach - 1	13865.0	FWAY	167.67	0.83	167.70	160.00	292.68	274.17	167.15	4900.00	4991.65	5008.35	5060.00
Reach - 1	13344.0	100-YEAR	166.76		166.77	344.04	59.10	174.52	500.38		4993.40	5006.60	
Reach - 1	13344.0	FWAY	167.53	0.77	167.56	105.00	180.35	253.26	300.39	4960.00	4993.40	5006.60	5065.00
Reach - 1	13225.0		Culvert										
Reach - 1	13106.0	100-YEAR	162.79		163.03	202.70	79.79	336.61	317.60		4993.40	5006.60	
Reach - 1	13106.0	FWAY	163.12	0.33	163.42	95.00	92.92	379.15	261.93	4950.00	4993.40	5006.60	5075.00
Reach - 1	12612.0	100-YEAR	161.24		161.43	363.50	147.47	386.35	200.17		4982.10	5000.00	
Reach - 1	12612.0	FWAY	161.86	0.62	162.03	155.00	200.92	409.29	123.79	4920.00	4982.10	5000.00	5075.00
Reach - 1	12135.0	100-YEAR	160.08		160.15	449.50	29.81	273.47	897.72		4986.10	4999.60	
Reach - 1	12135.0	FWAY	160.62	0.54	160.79	155.00	55.75	347.68	797.58	4920.00	4986.10	4999.60	5075.00
Reach - 1	11603.0	100-YEAR	158.08		158.71	195.85	107.17	1045.53	48.31		4981.00	5019.00	
Reach - 1	11603.0	FWAY	158.98	0.90	159.50	65.00	69.58	1117.67	13.74	4965.00	4981.00	5019.00	5030.00
Reach - 1	10871.0	100-YEAR	157.74		157.80	460.76	225.86	756.17	218.96		4982.10	5025.70	
Reach - 1	10871.0	FWAY	158.40	0.66	158.52	85.00	51.24	1032.20	117.57	4960.00	4982.10	5025.70	5045.00
Reach - 1	10643.0	100-YEAR	157.67		157.73	679.88	260.13	888.92	213.95		4988.70	5035.30	
Reach - 1	10643.0	FWAY	158.28	0.61	158.43	85.00	57.67	1114.70	190.63	4960.00	4988.70	5035.30	5045.00
Reach - 1	10491.5	100-YEAR	157.55		157.67	65.00		1351.13	11.87		4968.10	5026.80	
Reach - 1	10491.5	FWAY	158.26	0.71	158.37	65.00		1348.53	14.47	4920.00	4968.10	5026.80	5070.00
Reach - 1	10468.0 BR U	100-YEAR	157.16		157.57	39.63		1363.00			4967.90	5032.30	
Reach - 1	10468.0 BR U	FWAY	157.88	0.72	158.37			1363.00		4920.00	4967.90	5032.30	5070.00
Reach - 1	10468.0 BR D	100-YEAR	157.01		157.43	39.58		1363.00			4967.90	5032.30	
Reach - 1	10468.0 BR D	FWAY	157.74	0.73	157.88	18.62		1363.00		4940.00	4967.90	5032.30	5040.00

HEC-RAS Plan: Floodway River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Width Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach - 1	10444.5	100-YEAR	156.90		157.09	65.00	72.38	1274.52	16.11		4982.50	5032.20	
Reach - 1	10444.5	FWAY	157.74	0.83	157.88	65.00	90.75	1252.03	20.22	4940.00	4982.50	5032.20	5040.00
Reach - 1	10183.0	100-YEAR	156.81		156.84	473.49	554.38	742.82	65.80		4981.80	5032.40	
Reach - 1	10183.0	FWAY	157.55	0.74	157.63	80.00	437.56	925.44		4950.00	4981.80	5032.40	5030.00
Reach - 1	9592.0	100-YEAR	156.63		156.68	421.77	548.66	468.45	345.89		4991.55	5006.65	
Reach - 1	9592.0	FWAY	157.22	0.60	157.38	85.00	504.20	680.38	178.42	4945.00	4991.55	5006.65	5030.00
Reach - 1	9455.5	100-YEAR	156.34		156.51	350.13	202.72	1120.01	40.27		4976.70	5018.60	
Reach - 1	9455.5	FWAY	156.91	0.57	157.13	75.00	61.30	1284.63	17.07	4950.00	4976.70	5018.60	5025.00
Reach - 1	9306.0		Culvert										
Reach - 1	9156.5	100-YEAR	154.25		155.29	77.35	116.40	1189.27	57.34		4991.30	5008.20	
Reach - 1	9156.5	FWAY	154.77	0.51	155.58	65.00	163.82	1139.66	59.52	4950.00	4991.30	5008.20	5050.00
Reach - 1	9031	100-YEAR	153.96		154.28	41.90	11.05	1351.95			4979.00	5030.40	
Reach - 1	9031	FWAY	154.53	0.57	154.80	41.90	12.24	1350.76		4950.00	4979.00	5030.40	5050.00
Reach - 1	9021 BR U	100-YEAR	153.95		154.27	41.90	11.03	1351.97			4979.00	5030.40	
Reach - 1	9021 BR U	FWAY	154.52	0.57	154.80	41.90	12.23	1350.77		4950.00	4979.00	5030.40	5050.00
Reach - 1	9021 BR D	100-YEAR	153.94		154.26	41.90	7.07	1355.93			4978.40	5033.50	
Reach - 1	9021 BR D	FWAY	154.52	0.57	154.79	41.90	7.96	1355.04		4950.00	4978.40	5033.50	5050.00
Reach - 1	9011	100-YEAR	153.89		154.21	41.90	6.99	1356.01			4978.40	5033.50	
Reach - 1	9011	FWAY	154.48	0.59	154.75	41.90	7.90	1355.10		4950.00	4978.40	5033.50	5050.00
Reach - 1	8603.0	100-YEAR	153.79		153.89	400.18	129.84	1178.59	54.57		4978.20	5036.50	
Reach - 1	8603.0	FWAY	154.40	0.60	154.49	100.00	115.69	1223.72	23.58	4950.00	4978.20	5036.50	5050.00
Reach - 1	7894.0	100-YEAR	153.36		153.46	444.34	401.49	771.89	826.61		4991.20	5009.90	
Reach - 1	7894.0	FWAY	153.76	0.41	153.99	100.00	534.83	994.48	470.69	4950.00	4991.20	5009.90	5050.00
Reach - 1	7664.0	100-YEAR	152.91		153.29	60.00	63.75	1915.97	20.28		4987.70	5027.50	
Reach - 1	7664.0	FWAY	153.40	0.49	153.79	50.00	63.34	1936.67		4975.00	4987.70	5027.50	5025.00
Reach - 1	7629.0 BR U	100-YEAR	152.33		153.14	39.04		2000.00			4974.80	5022.80	
Reach - 1	7629.0 BR U	FWAY	153.01	0.68	153.68	39.88		2000.00		4975.00	4974.80	5022.80	5025.00
Reach - 1	7629.0 BR D	100-YEAR	151.60		152.55	38.35		2000.00			4974.80	5022.80	
Reach - 1	7629.0 BR D	FWAY	152.53	0.93	153.26	39.50		2000.00		4970.00	4974.80	5022.80	5030.00
Reach - 1	7594.0	100-YEAR	151.57		151.98	60.00	40.29	1959.71			4978.60	5032.50	
Reach - 1	7594.0	FWAY	152.52	0.95	152.83	60.00	86.49	1913.51		4970.00	4978.60	5032.50	5030.00
Reach - 1	7199.0	100-YEAR	151.43		151.54	449.78	109.16	1491.55	399.29		4970.45	5029.55	
Reach - 1	7199.0	FWAY	152.29	0.86	152.48	100.00	36.80	1892.42	70.77	4950.00	4970.45	5029.55	5050.00
Reach - 1	6752.0	100-YEAR	151.27		151.33	429.65	379.94	1322.91	297.14		4978.10	5040.00	
Reach - 1	6752.0	FWAY	152.10	0.83	152.22	80.00	438.27	1561.73		4955.00	4978.10	5040.00	5035.00
Reach - 1	6116.0	100-YEAR	151.19		151.22	542.28	633.20	926.20	440.61		4981.40	5025.40	
Reach - 1	6116.0	FWAY	151.82	0.64	152.00	65.00	170.78	1814.00	15.22	4965.00	4981.40	5025.40	5030.00
Reach - 1	5458.0	100-YEAR	151.07		151.11	692.61	450.43	1406.39	143.18		4978.50	5069.20	
Reach - 1	5458.0	FWAY	151.59	0.52	151.71	75.00	399.57	1600.43		4955.00	4978.50	5069.20	5030.00
Reach - 1	5218.0	100-YEAR	150.92		151.04	70.00	284.42	1696.13	19.45		4978.10	5030.60	
Reach - 1	5218.0	FWAY	151.52	0.59	151.63	65.00	321.11	1678.89		4955.00	4978.10	5030.60	5030.00
Reach - 1	5160.0		Culvert										
Reach - 1	5102.0	100-YEAR	149.95		150.11	70.00	356.91	1626.11	16.99		4978.10	5030.60	
Reach - 1	5102.0	FWAY	150.54	0.59	150.68	70.00	377.95	1604.21	17.85	4950.00	4978.10	5030.60	5050.00
Reach - 1	4679.0	100-YEAR	149.95		149.96	626.14	1198.05	565.28	236.67		4975.80	5024.20	
Reach - 1	4679.0	FWAY	150.38	0.43	150.54	100.00	791.47	1106.70	101.84	4950.00	4975.80	5024.20	5050.00
Reach - 1	4444.0	100-YEAR	149.92		149.93	639.35	968.91	589.91	441.19		4975.80	5024.20	
Reach - 1	4444.0	FWAY	150.30	0.38	150.45	100.00	778.79	1112.96	108.25	4950.00	4975.80	5024.20	5050.00
Reach - 1	4276.5	100-YEAR	149.90		149.91	645.65	1043.00	478.89	478.11		4986.60	5013.20	
Reach - 1	4276.5	FWAY	150.23	0.33	150.39	100.00	857.13	960.64	182.24	4950.00	4986.60	5013.20	5050.00
Reach - 1	4266.5 BR U	100-YEAR	149.90		149.91	545.15	1200.22	223.57	576.22		4986.60	5013.20	
Reach - 1	4266.5 BR U	FWAY	150.07	0.17	150.37	100.00	1221.71	580.88	197.41	4950.00	4986.60	5013.20	5050.00
Reach - 1	4266.5 BR D	100-YEAR	149.90		149.90	564.23	1157.39	253.69	588.92		4986.60	5013.20	
Reach - 1	4266.5 BR D	FWAY	150.24	0.35	150.27	215.00	1666.56	330.18	3.26	4800.00	4986.60	5013.20	5015.00
Reach - 1	4256.5	100-YEAR	149.88		149.90	664.01	990.29	525.61	484.09		4986.60	5013.20	
Reach - 1	4256.5	FWAY	150.23	0.34	150.27	215.00	1312.42	684.76	2.82	4800.00	4986.60	5013.20	5015.00
Reach - 1	4251.5	100-YEAR	149.79		149.89	276.03	22.46	1324.45	653.10		4976.00	5024.40	
Reach - 1	4251.5	FWAY	149.78	0.00	150.22	45.00	40.68	1959.32		4800.00	4976.00	5024.40	5015.00
Reach - 1	4222.0 BR U	100-YEAR	149.79		149.89	66.53	0.39	1971.74	27.87		4976.00	5024.40	
Reach - 1	4222.0 BR U	FWAY	149.78	0.00	150.22		17.32	1982.72		4800.00	4976.00	5024.40	5015.00

HEC-RAS Plan: Floodway River: Main Stem Reach: Reach - 1 (Continued)

Reach	River Sta	Profile	W.S. Elev (ft)	Prof Delta WS (ft)	E.G. Elev (ft)	Top Wdth Act (ft)	Q Left (cfs)	Q Channel (cfs)	Q Right (cfs)	Enc Sta L (ft)	Ch Sta L (ft)	Ch Sta R (ft)	Enc Sta R (ft)
Reach - 1	4222.0 BR D	100-YEAR	149.79		149.89	66.53	0.39	1971.74	27.87		4976.00	5024.40	
Reach - 1	4222.0 BR D	FWAY	149.78	0.00	149.85	66.48	17.32	1982.72		4900.00	4976.00	5024.40	5100.00
Reach - 1	4192.5	100-YEAR	147.27		148.23	44.32		1925.03	74.97		4985.30	5018.40	
Reach - 1	4192.5	FWAY	148.24	0.97	148.64	126.39	0.20	1545.39	454.42	4900.00	4985.30	5018.40	5100.00
Reach - 1	3814.0	100-YEAR	147.17		147.23	501.72	245.14	850.40	904.46		4975.80	5024.20	
Reach - 1	3814.0	FWAY	148.04	0.87	148.10	300.00	339.65	941.98	718.37	4850.00	4975.80	5024.20	5150.00
Reach - 1	3273.0	100-YEAR	146.60		146.68	507.75	170.18	869.28	960.54		4975.80	5024.20	
Reach - 1	3273.0	FWAY	147.24	0.64	147.49	200.00	291.69	1401.01	307.30	4900.00	4975.80	5024.20	5100.00
Reach - 1	2684.0	100-YEAR	146.38		146.43	694.85	205.20	1534.95	259.86		4951.25	5050.11	
Reach - 1	2684.0	FWAY	147.05	0.67	147.12	200.00	73.28	1874.77	51.95	4900.00	4951.25	5050.11	5100.00
Reach - 1	2009.0	100-YEAR	146.28		146.30	682.67	82.20	1822.84	94.97		4902.50	5100.22	
Reach - 1	2009.0	FWAY	146.97	0.69	146.99	200.00	1.05	1998.95		4900.00	4902.50	5100.22	5100.00
Reach - 1	1834.0	100-YEAR	146.29		146.30	607.76	1.41	1995.80	2.79		4746.50	5247.60	
Reach - 1	1834.0	FWAY	146.97	0.68	146.98	200.00		2000.00		4900.00	4746.50	5247.60	5100.00
Reach - 1	1784.0		Inl Struct										
Reach - 1	1734.0	100-YEAR	145.65		145.73	590.43	232.55	1413.07	354.37		4965.20	5033.60	
Reach - 1	1734.0	FWAY	146.01	0.37	146.17	150.00	23.70	1840.72	135.58	4950.00	4965.20	5033.60	5100.00
Reach - 1	1364.0	100-YEAR	145.30		145.42	504.45	175.35	1666.57	158.08		4965.80	5034.20	
Reach - 1	1364.0	FWAY	145.53	0.22	145.71	68.40		2000.00		4965.80	4965.80	5034.20	5034.20
Reach - 1	989.0	100-YEAR	145.17		145.25	534.22	249.58	1569.37	181.05		4965.80	5034.20	
Reach - 1	989.0	FWAY	145.40	0.23	145.49	250.00	228.86	1646.84	124.30	4850.00	4965.80	5034.20	5100.00
Reach - 1	702.0	100-YEAR	145.11		145.16	782.95	341.33	1427.68	230.99		4965.80	5034.20	
Reach - 1	702.0	FWAY	145.35	0.24	145.40	425.00	364.42	1445.83	189.75	4725.00	4965.80	5034.20	5150.00
Reach - 1	544.0	100-YEAR	145.14		145.14	1005.13	5.35	1991.25	3.40		4588.20	5413.60	
Reach - 1	544.0	FWAY	145.38	0.24	145.38	825.40		2000.00		4588.20	4588.20	5413.60	5413.60
Reach - 1	526.0		Inl Struct										
Reach - 1	508.0	100-YEAR	138.23		138.87	768.84	70.56	953.80	975.64		4992.20	5007.10	
Reach - 1	508.0	FWAY	138.70	0.47	140.04	170.00	16.07	1276.83	707.09	4990.00	4992.20	5007.10	5160.00
Reach - 1	281.0	100-YEAR	137.43		137.53	669.59	416.93	480.43	1102.64		4992.55	5007.45	
Reach - 1	281.0	FWAY	138.39	0.95	138.53	197.00	252.19	598.73	1149.08	4953.00	4992.55	5007.45	5150.00

Appendix # 4

Annotated F.I.R.M. #s

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources or small sites. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Flood Hazard Elevation (FHE) and/or Floodway Data have been determined, users are encouraged to consult the Flood Profile, Floodway Data and/or Summary of Flood Hazard Elevation Tables contained within the Flood Insurance Study (FIS) report that accompanies the FIRM. Users should be aware that FHEs shown on the FIRM represent rounded whole-foot elevations. These FHEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

General Flood Hazard Elevation shown on this map apply only to landward of 0.2' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Flood Hazard Elevation Tables in the Flood Insurance Study report for the jurisdiction. Elevations shown in the Summary of Flood Hazard Elevation Tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on the FIRM.

Boundaries of the Floodway were computed at cross sections and interpolated between cross sections. The Floodway boundaries were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was South Carolina State Plane. The horizontal datum was NAD 83. GR500 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be converted to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
2215 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3700

To obtain current elevation, description, and/or location information for break marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3848, or visit their website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was provided in digital format by Sumter City-County Planning Commission. This information was photogrammetrically compiled at a scale of 1:4,000 from aerial photography dated 1999.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were delineated from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profile and Floodway Data tables in the Flood Insurance Study report (which contain authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Separate labels shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels; community map repository addresses; and a listing of community tables containing National Flood Insurance Program data for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Service Center at 1-800-368-2662 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by fax at 1-800-368-6920 and over video at <http://www.fema.gov>.

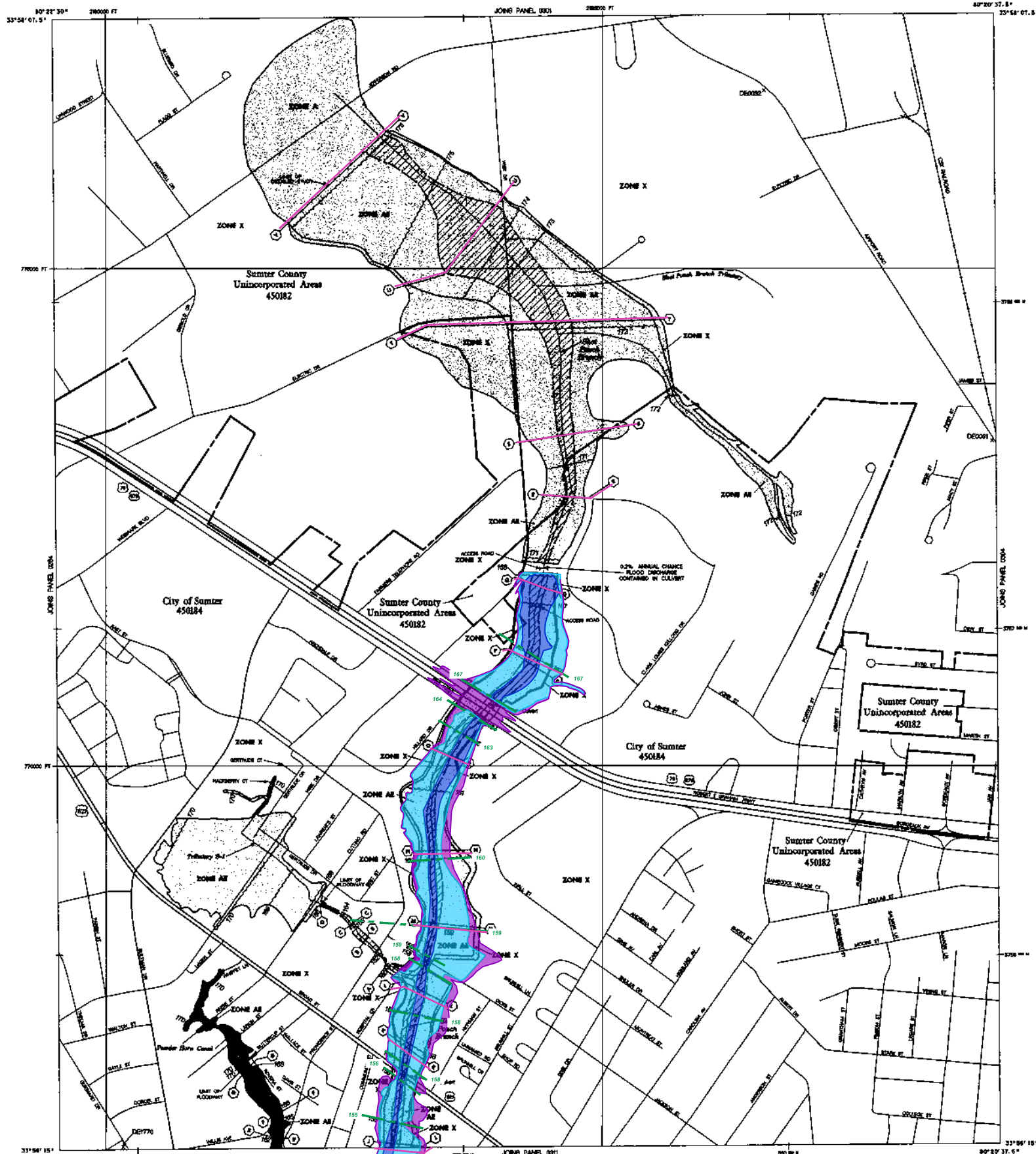
If you have questions about this map or questions concerning the National Flood Insurance Program, in general, please call 1-877-FEMA-828 (1-877-368-2627) or visit the FEMA website at <http://www.fema.gov>.



DNR

This digital Flood Insurance Rate Map (FIRM) was produced through a unique cooperative partnership between the State of South Carolina and the Federal Emergency Management Agency (FEMA). The State of South Carolina has implemented a long-term approach of floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment to map floodplain areas at the local level. As a part of this effort, the State of South Carolina has joined in a Cooperative Technical State agreement with FEMA to produce and maintain this digital FIRM.

<http://www.dnr.state.sc.us/>



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area (SFHA) is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zone A, AE, AH, AO, AM, V, and VE. The base flood elevation is the minimum elevation of the 1% annual chance flood.

- Zone A: No Base Flood Elevation determined.
- Zone AE: Base Flood Elevation determined.
- Zone AH: Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation determined.
- Zone AO: Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation determined.
- Zone AM: Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently abandoned. Zone AM indicates that the former flood control system is being removed to provide protection from the 1% annual chance or greater flood.
- Zone V: Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevation determined.
- Zone VE: Coastal flood zone with velocity hazard (wave action); no Base Flood Elevation determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

Zone X: Areas of 0.2% annual chance flood; areas of 1% annual chance flood with wave depths of less than 1 foot or with depths of less than 1 square foot, and areas protected by levees from 1% annual chance flood.

OTHER AREAS

Zone X: Areas determined to be outside the 0.2% annual chance floodplain.

Zone X: Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPA)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone A boundary
- Zone AE boundary
- Zone AH boundary
- Zone AO boundary
- Zone AM boundary
- Zone V boundary
- Zone VE boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevation, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet
- Base Flood Elevation value where uniform within zone; elevation in feet

*Referenced to the National Geodetic Vertical Datum of 1929

Zone AE: Base Flood Elevation

Zone AH: Base Flood Elevation

Zone AO: Base Flood Elevation

Zone AM: Base Flood Elevation

Zone V: Base Flood Elevation

Zone VE: Base Flood Elevation

Zone X: Base Flood Elevation

Zone X: Base Flood Elevation

Zone X: Base Flood Elevation

Zone X: Base Flood Elevation

Zone X: Base Flood Elevation

Zone X: Base Flood Elevation

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Zone X: Base Flood Elevation

Zone X: Base Flood Elevation

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly those local drainage sources of small areas. The community map user should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where these Flood Elevations (FEs) and/or Floodway Data have been determined, users are encouraged to consult the Flood Profile, Floodway Data and/or Summary of Elevation Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that FEs shown on the FIRM represent rounded, whole-foot elevations. These FEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Special Flood Elevations shown on this map apply only to buildings of 0.7 National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that special flood elevations are also provided in the Summary of Elevation Data tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Elevation Data tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood venting structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood venting structures for this jurisdiction.

The projection used in the preparation of this map was South Carolina State Plane, The North Carolina State Plane, NAD 83, UTM, UTM zone 18N. Differences in datum, horizontal projection, or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

Special Reference System: CHAMBERS
National Geodetic Survey, NOAA
Silver Spring, Maryland Center
1235 East-West Highway
Silver Spring, Maryland 20910
(301) 761-3811

To obtain current elevation, description, and/or location information for flood marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 761-8348, or visit their website at <http://www.ngs.noaa.gov>.

Base map information shown on this FIRM was provided in digital format by Sumter County Planning Commission. The information was photoreduced at a scale of 1:4,000 from aerial photography dated 1998.

This map reflects map updates and updates stress about certifications that those shown on the previous FIRM for the jurisdiction. The floodway and floodway data were transferred from the previous FIRM. The floodway and floodway data were transferred from the previous FIRM. The floodway and floodway data were transferred from the previous FIRM. As a result, the flood profile and floodway data tables in the Flood Insurance Study report which contain authoritative hydraulic data may reflect stream channel changes that differ from what is shown on this map.

Boundary limits shown on this map are based on the best data available at the time of publication. Because changes due to construction or other reasons may have occurred after this map was published, map users should contact appropriate community officials to verify current boundary locations.

Please refer to the separately printed map for an overview map of the county showing the layout of map panels, community map repository addresses, and a listing of communities with National Flood Insurance Program data for each community as well as a listing of the panels on which each community is located.

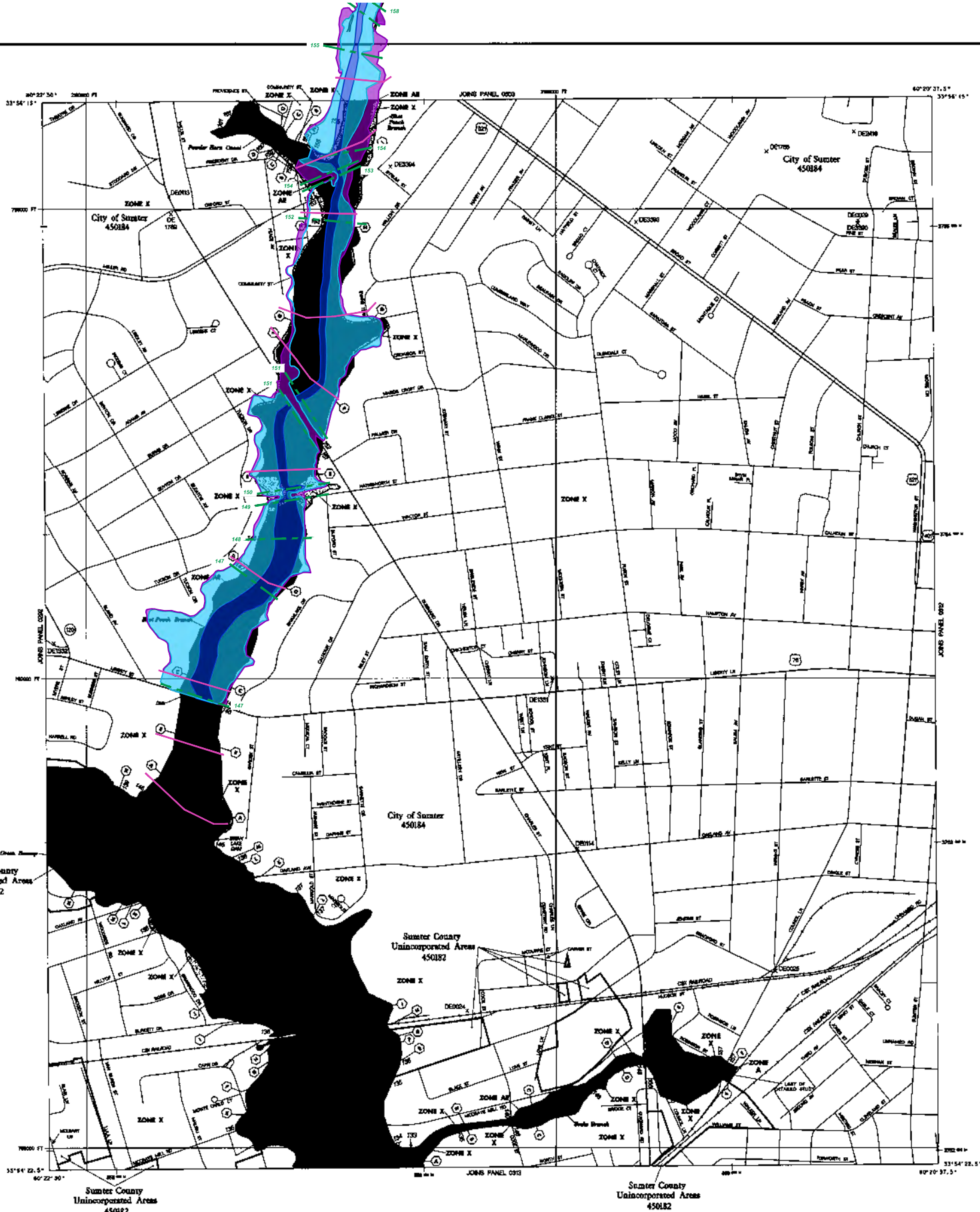
Contact the FIRM Map Service Center at 1-800-358-8916 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-8920 and their website at <http://www.fema.gov>.

If you have questions about this map or questions concerning the National Flood Insurance Program, in general, please call 1-877-FEMA-8282 or 1-877-256-2527 or visit the FEMA website at <http://www.fema.gov>.



This Digital Flood Insurance Rate Map (DFIRM) was produced through a unique cooperative partnership between the State of South Carolina and the Federal Emergency Management Agency (FEMA). The State of South Carolina has implemented a long-term approach of floodplain management to decrease the costs associated with flooding. This is demonstrated by the State's commitment in map floodplain areas at the local level. As a part of this effort, the State of South Carolina has joined in a Cooperative Technical Data Agreement with FEMA to produce and maintain this digital FIRM.

<http://www.dnr.state.sc.us/>



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood) also known as the base flood is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zone A, Zone AE, Zone X, Zone V, and Zone VE. The base flood elevation is the water-surface elevation of the 1% annual chance flood.

- Zone A** 1% Annual Chance Flood Elevation Determined.
- Zone AE** Base Flood Elevation Determined.
- Zone AE1** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation Determined.
- Zone AE2** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation Determined.
- Zone AE3** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently dismantled. Zone AE3 indicates that the former flood control system is being retained to provide protection from the 1% annual chance or greater flood.
- Zone AE4** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevation Determined.
- Zone VE** Coastal flood area with velocity hazard (wave action); no Base Flood Elevation Determined.
- Zone V** Coastal flood area with velocity hazard (wave action); no Base Flood Elevation Determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream, plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

Zone X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with depths of flood waters less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

Zone X Areas determined to be outside the 0.2% annual chance floodplain.

Zone D Areas in which flood heights are undetermined, but probable.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPA)

OPA areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Boundary lines

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundaries dividing Special Flood Hazard Areas of different base flood elevations, flood depths or flood velocities.

Base Flood Elevation line and value; elevation in feet.

Base Flood Elevation value where uniform within zone; elevation in feet.

Reference to the National Geodetic Vertical Datum of 1929

One section line

Traverse line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83); UTM, UTM zone 18N.

1000-meter Universal Transverse Mercator grid values; zone 17.

1000-foot grid values; South Carolina State Plane, coordinate system, NAD 83; UTM, UTM zone 18N; UTM, UTM zone 18N.

North arrow; see explanation in Notes to Users section of this FIRM.

Other info

MAP REPOSITORY

Please to Map Repository on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

FEBRUARY 16, 2007

EFFECTIVE DATES OF REVISIONS TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction. To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.



PANEL 08110

FIRM
FLOOD INSURANCE RATE MAP
SUMTER COUNTY
SOUTH CAROLINA
AND INCORPORATED AREAS

PANEL 311 OF 625

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

COUNTY	NAME	FEET	DATE
SUMTER COUNTY	450184	1000	2007

MAP NUMBER
450184C08110

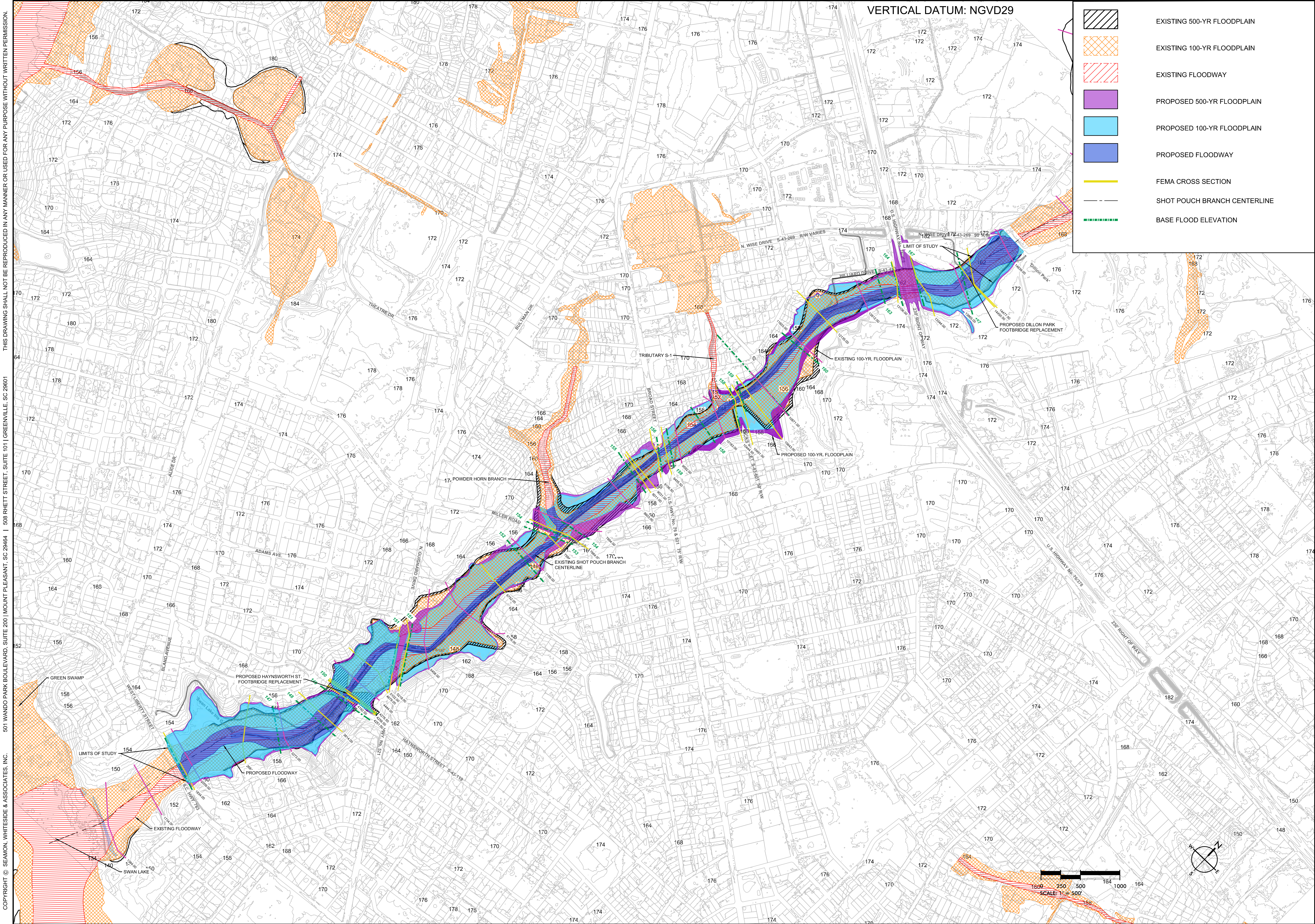
EFFECTIVE DATE
FEBRUARY 16, 2007

Federal Emergency Management Agency

Appendix # 5

Additional Documentation

5a. Topographic Work Map



THIS DRAWING SHALL NOT BE REPRODUCED IN ANY MANNER OR USED FOR ANY PURPOSE WITHOUT WRITTEN PERMISSION

501 WANDO PARK BOULEVARD, SUITE 200 | MOUNT PLEASANT, SC 29464 | 508 RHETT STREET, SUITE 101 | GREENVILLE, SC 29601

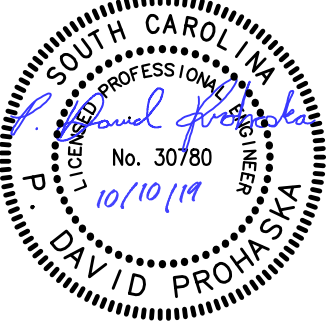
COPYRIGHT © SEAMON, WHITESIDE & ASSOCIATES, INC.

VERTICAL DATUM: NGVD29

- EXISTING 500-YR FLOODPLAIN
- EXISTING 100-YR FLOODPLAIN
- EXISTING FLOODWAY
- PROPOSED 500-YR FLOODPLAIN
- PROPOSED 100-YR FLOODPLAIN
- PROPOSED FLOODWAY
- FEMA CROSS SECTION
- SHOT POUCH BRANCH CENTERLINE
- BASE FLOOD ELEVATION

SW
SEAMONWHITESIDE

MOUNT PLEASANT, SC
843.884.1667
GREENVILLE, SC
864.298.0534
SUMMERVILLE, SC
843.884.1667
SPARTANBURG, SC
864.298.0534
CHARLOTTE, NC
980.312.5450
WWW.SEAMONWHITESIDE.COM



SHOT POUCH GREENWAY

CLOMR
SUMTER, SC

SW+ PROJECT: MPO7619
DATE: 10/01/19
DRAWN BY: CBW
CHECKED BY: PDP

REVISION HISTORY

NO.	DESCRIPTION	DATE

TOPOGRAPHIC
WORKMAP

5b. ESA Compliance



United States Department of the Interior



FISH AND WILDLIFE SERVICE

South Carolina Ecological Services

176 Croghan Spur Road, Suite 200

Charleston, SC 29407-7558

Phone: (843) 727-4707 Fax: (843) 727-4218

<http://www.fws.gov/charleston/>

In Reply Refer To:

October 18, 2018

Consultation Code: 04ES1000-2019-SLI-0061

Event Code: 04ES1000-2019-E-00115

Project Name: Shot Pouch Greenway

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - USFWS National Wildlife Refuges and Fish Hatcheries
 - Migratory Birds
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

South Carolina Ecological Services
176 Croghan Spur Road, Suite 200
Charleston, SC 29407-7558
(843) 727-4707

Project Summary

Consultation Code: 04ES1000-2019-SLI-0061

Event Code: 04ES1000-2019-E-00115

Project Name: Shot Pouch Greenway

Project Type: RECREATION CONSTRUCTION / MAINTENANCE

Project Description: The proposed project is a master-planned greenway within the identified project area that will include construction of a raised multi-use, paved path and incorporation of existing paths as depicted in the permit application drawings. A total of 1.27 acres of jurisdictional aquatic resources will be impacted in order to complete the Shot Pouch Greenway. It is anticipate that this project will be complete within the next 10 years.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/33.934922600843606N80.36475729827004W>



Counties: Sumter, SC

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

NAME	STATUS
Red-cockaded Woodpecker <i>Picoides borealis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7614	Endangered
Wood Stork <i>Mycteria americana</i> Population: AL, FL, GA, MS, NC, SC No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8477	Threatened

Flowering Plants

NAME	STATUS
American Chaffseed <i>Schwalbea americana</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1286	Endangered
Canby's Dropwort <i>Oxypolis canbyi</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7738	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

5c. Haynsworth St. Bridge Drawings

FOUNDATIONS:

- ABUTMENT CONCRETE:

- [illegible]

Diagram illustrating the Abutment Plan, showing dimensions and components:

- Overall width: 50'-2" (HORIZONTAL) BEARING OUT-TO-OUT
- Horizontal distance between inside anchors: 48'-6" C OF INSIDE ANCHORS (HORIZONTAL)
- Vertical dimensions (from top to bottom):
 - 6"
 - 14'-6" EST. (Total height)
 - 13'-6" EST. (Height to center of anchors)
 - 12'-6" EST. (Height of anchors)
 - 6"
- Horizontal dimensions (from left to right):
 - 6"
 - 6"
- Components labeled:
 - ABUTMENT BACK WALL, TYP.
 - ABUTMENT BEARING SEAT, TYP.
 - ABUTMENT FOOTING, TYP.
- Check Square dimension line.
- Abutment Plan title.



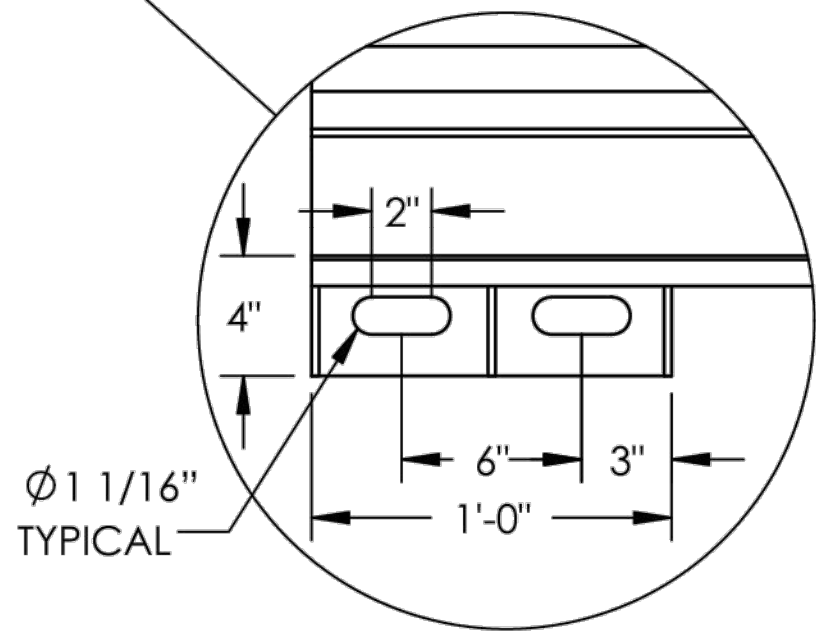
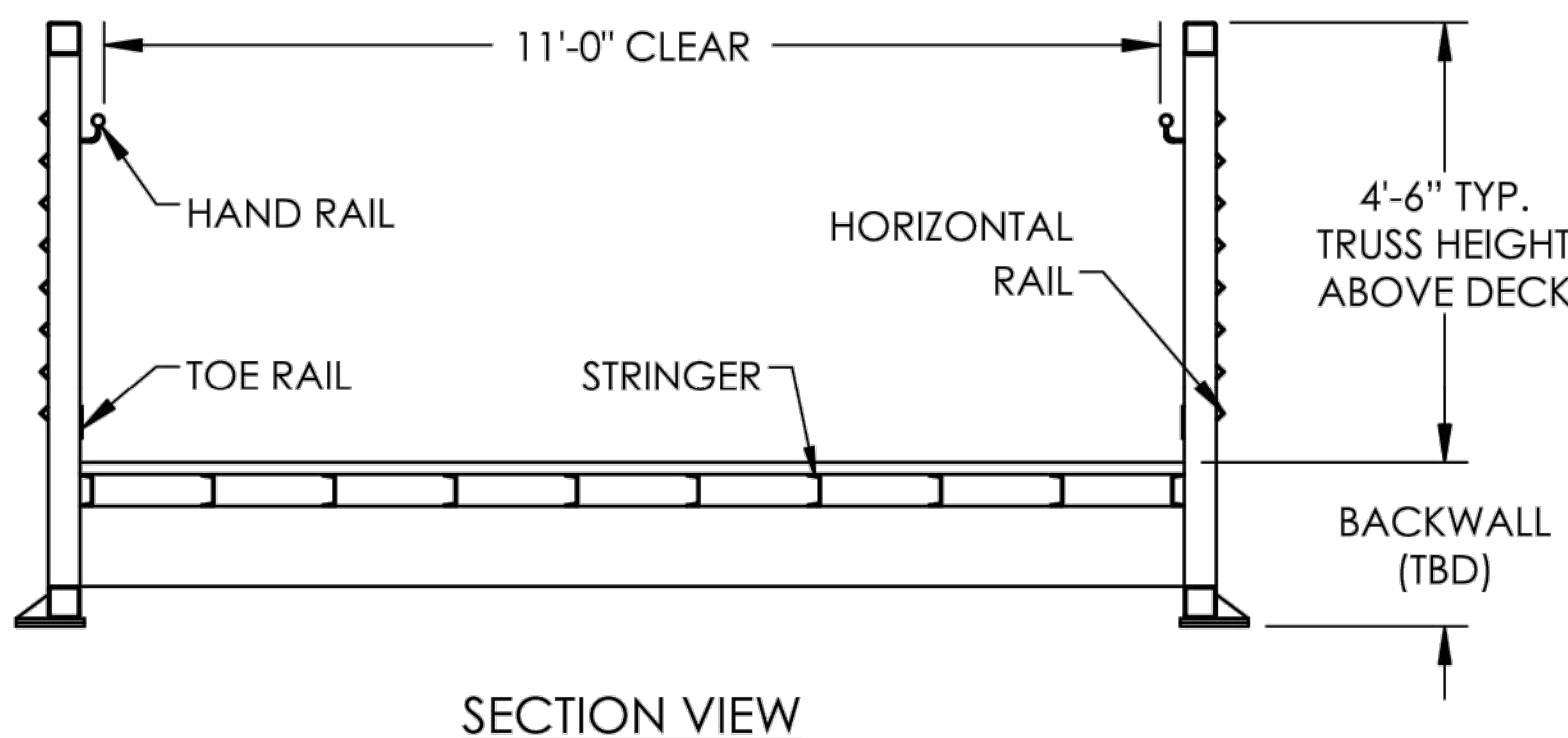
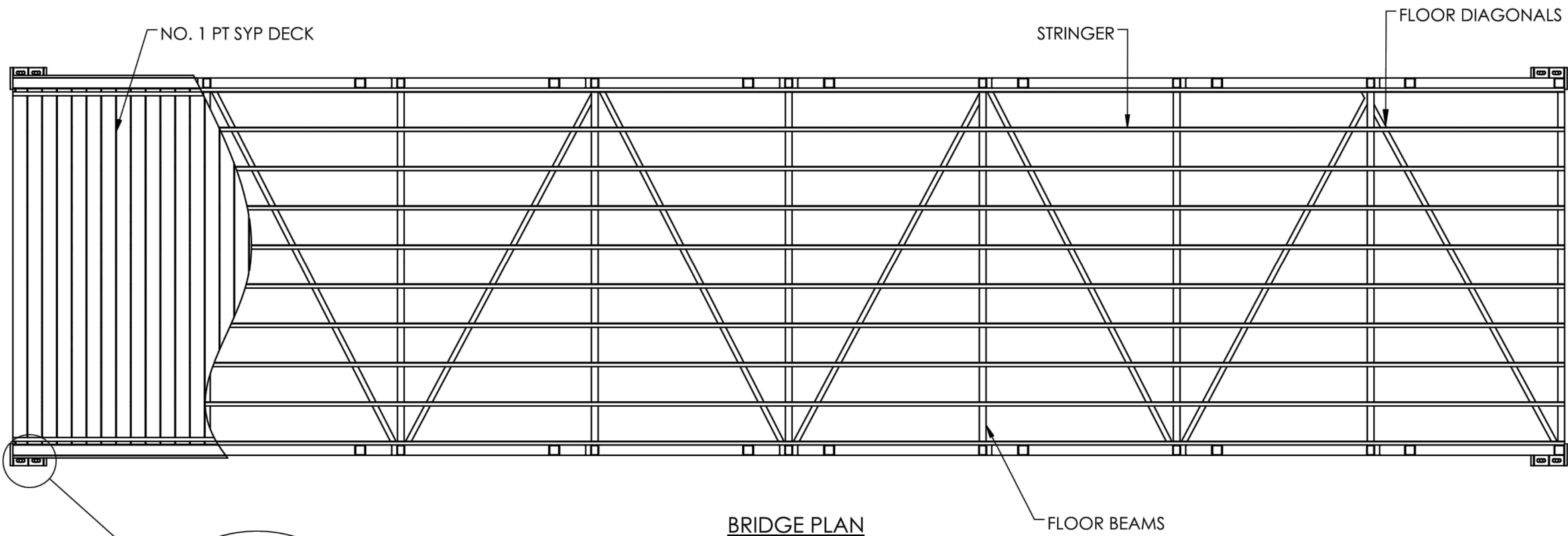
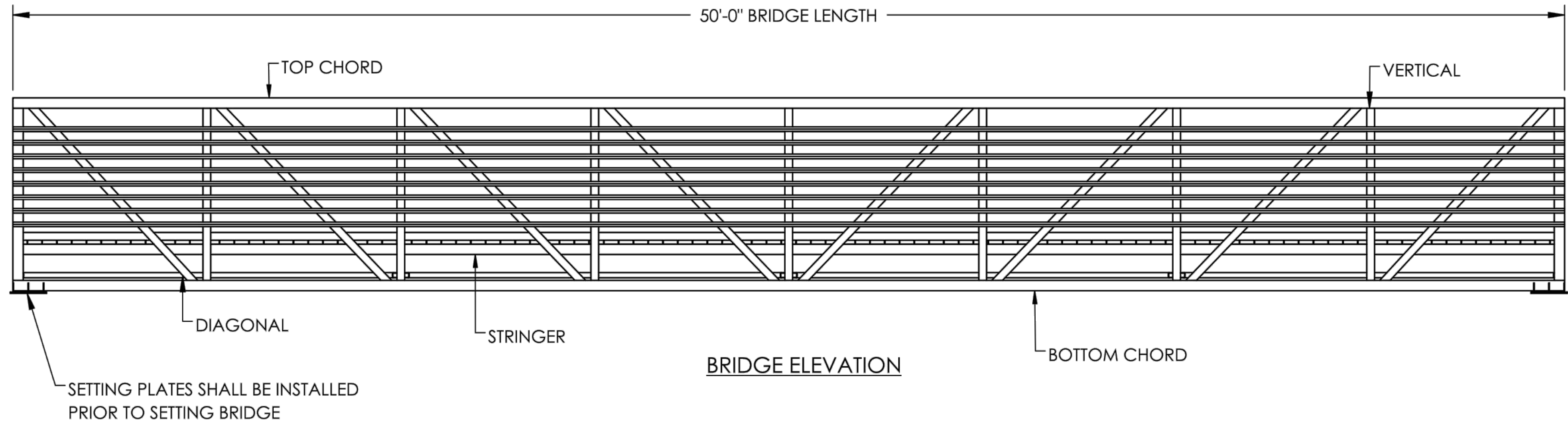
BRIDGE
BROTHERS

REV	DATE	DESCRIPTION
0	7/28/17	PRELIMINARY SUBMITTAL

14 OF 162

P:\00-2017-117 SHOT POUCH GREENWAY\CAD\00-2017-117 DET.DWG

- GENERAL NOTES:**
- 1. BRIDGE BEARINGS SHALL BE CONSTRUCTED AT SAME LEVEL
 - 2. SETTING PLATES SHALL BE SHIPPED LOOSE FROM BRIDGE
 - 3. BRIDGE OFF-LOADING FROM FREIGHT TRUCK AND INSTALLATION BY OTHERS
 - 4. BRIDGE SHALL BE CAMBERED AS REQUIRED TO OFFSET DEAD LOAD
 - 5. HSS SQUARE & RECTANGULAR TUBING SHALL BE ASTM A847 WEATHERING
 - 6. FLAT PLATE AND CHANNEL SHALL BE ASTM A588 WEATHERING
 - 7. SHOP WELDING SHALL CONFORM TO AWS D1.1
 - 8. DEBUR ALL EXPOSED WELDS WHICH MAY COME IN CONTACT WITH PEDESTRIANS
 - 9. ALL EXPOSED SURFACES OF TRUSS & DECK FRAME SHALL BE BLAST CLEANED IN ACCORDANCE WITH SSPC-SP7
- DESIGN CRITERIA:**
- 1. AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2009
 - 2. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2014, 7th EDITION w/ 2015 & 2016 INTERIM REVISIONS
 - 3. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 2015, 1st EDITION
 - 4. AASHTO M 133 STANDARD SPECIFICATION FOR PRESERVATIVES AND PRESSURE TREATMENT PROCESSES FOR TIMBER, 2012
 - 5. AISC PART 16.1-2010 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
 - 6. AWS D1.1 STRUCTURAL STEEL WELDING CODE-STEEL, 2015
 - 7. NDS SUPPLEMENT - DESIGN VALUES FOR WOOD CONSTRUCTION, 2015
 - 8. GUIDE TO STABILITY DESIGN CRITERIA FOR METAL STRUCTURES, 2010, 6th EDITION
 - 9. STANDARD ENGINEERING PRACTICE
 - 10. LOADINGS:
 - 25 PSF DEAD LOAD (ESTIMATED)
 - 90 PSF PEDESTRIAN LIVE LOAD
 - 50 PLF RAIL LIVE LOAD, 200 LB POINT LOAD
 - H5 (10,000 LB) VEHICLE LOAD
 - 105 MPH WIND LOAD (3 SECOND GUST)



*ALL DIMENSIONS ARE ESTIMATED AND MAY VARY BASED ON FINAL DESIGN

BRIDGE BROTHERS

57 OLD IVY SQUARE, ATLANTA, GA 30342
(866) 258-3401, WWW.BRIDGEBROTHERSINC.COM

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BRIDGE BROTHERS, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BRIDGE BROTHERS, LLC IS PROHIBITED.

SHOT POUCH PEDESTRIAN BRIDGE

SUMTER COUNTY, SC

CUSTOMER:

PROJECT # PO #

TOLERANCES UNLESS SPECIFIED OTHERWISE XXX = ±1/4"; FRACTIONS = ±1/8"; ANGULAR = ±1°		REV	DATE	DESCRIPTION	
DRAWN BY: MEK	P-1	0	7/28/17	PRELIMINARY SUBMITTAL	
CHECKED BY: JAB					
BRIDGE DETAILS					
SCALE: N/A					

DESIGNED:	JLC	REVISIONS	
REVIEWED:	MSR	NO	DATE
DRAWN:	CLO	ITEM	
00-2017-117	9/9/18		
PROJECT NO.	DATE		
N.T.S.	00-2017-117_det.dwg		
SCALE	FILE		

alta

PLANNING + DESIGN

www.altaplanning.com

638 East Washington Street
Greenville, SC 29601
p:864.605.3980 x702



**Shot Pouch
Greenway**

Sumter County, South Carolina

DETAILS

SHEET NO.

5d. Affected Property Owners

PARCEL ID	OWNER	MAILING ADDRESS	CITY	STATE	ZIP
2291001006	B & S RENTALS LLC	852 W LIBERTY ST	SUMTER	SC	29150
2291001012	BUTLER ELIZABETH GARY	734 ESTATE DRIVE	SUMTER	SC	29150
2291001014	CITY OF SUMTER	PO BX 1449	SUMTER	SC	29151
2301501009	SUMTER COUNTY	13 EAST CANAL STREET	SUMTER	SC	29150
2291003029	GORE VIVIAN J & BANKS ETHEL M	930 BETSY DRIVE	COLUMBIA	SC	29210
2291001015	CHAVIS DANNY	3790 BART DAVIS RD	ALCOLU	SC	29001
2291003030	WASHINGTON SUSAN ELI % JENNIFER ADAMS	3 BROAD COURT	SUMTER	SC	29150
2291003023	WILLIAMS DAISY	207 WEEQUAHIC	NEWARK	NJ	07112
2290702025	SCOTT WILHELMENIA D	4835 DENNIS RD	REMBERT	SC	29128
2290001027	SUMTER COUNTY	13 EAST CANAL STREET	SUMTER	SC	29150
2290202006	SUMTER COUNTY	13 EAST CANAL STREET	SUMTER	SC	29150
2291003024	OUTING SERENA HEIRS OF	9287 UPWOOD LANE	COLUMBIA	MD	21045
2290001019	SOUTHAMPTON HOLDINGS LLC ETAL	38 HAYNESWORTH ST	SUMTER	SC	29150
2290702043	SUMTER COUNTY	13 EAST CANAL STREET	SUMTER	SC	29150
2280003001	SUMTER CITY OF	P O BOX 1449	SUMTER	SC	29151
2291003026	CHURCH CORINTH MISSIONARY BAP TIST	80 LILLIE DRIVE	SUMTER	SC	29153
2290702035	SOUTHAMPTON HOLDINGS LLC ETAL	38 HAYNESWORTH ST	SUMTER	SC	29150
2291501016	EXCHANGERIGHT NET LEASED PORTFOLIO 14 DST	200 S LOS ROBLES AVE STE 210	PASADENA	CA	91101
2290702035	SOUTHAMPTON HOLDINGS LLC ETAL	38 HAYNESWORTH ST	SUMTER	SC	29150
2290202001	CHURCH SUMTER BIBLE BY TRS	P O BOX 1855	SUMTER	SC	29150
2280001001	OSBORNE ADDISON L JR & PEIDIS PANAGIOTIS	3080 COX RD	SUMTER	SC	29154
2280001001	OSBORNE ADDISON L JR & PEIDIS PANAGIOTIS	3080 COX RD	SUMTER	SC	29154
2290001021	SUMTER CITY OF	PO BOX 1449	SUMTER	SC	29151
2291003036	NELSON ANITA DWYER & DWYER JAMES M III	116 GILLS CROSSING	COLUMBIA	SC	29223
2291003032	HUDSON DIANA P ETAL	3005 TAMARAH WAY	SUMTER	SC	29150
2290001012	SUMTER CITY OF	PO BOX 1449	SUMTER	SC	29151
2291003037	NELSON ANITA DWYER & DWYER JAMES M III	116 GILLS CROSSING	COLUMBIA	SC	29223
2291001009	GARRIS BRADFORD HINSON	2540 HIGHVIEW ST	SUMTER	SC	29154
2291003057	OREILLY AUTOMOTIVE INC % THOMSON REUTERS PTS	PO BOX 9167	SPRINGFIELD	MO	65801
2291501012	YOUNG MEN CHRISTIAN ASSOCIATIO	50 WILLOW DRIVE	SUMTER	SC	29150
2291602030	HODGE LAND COMPANY INC	11 BROAD STREET	SUMTER	SC	29150
2291501014	STEPHENS PROPERTIES LLC	POST OFFICE BOX 176	MANNING	SC	29102
2291003031	H & N LLC	1224 PICKENS ST STE 200	COLUMBIA	SC	29201
2290001017	HODGE W MILES AS TRUSTEE	11 BROAD ST	SUMTER	SC	29150
2290201057	NEWMAN TERRY S	5 WARREN COURT	SUMTER	SC	29150
2290201052	LAWS DAVID JR	P O BOX 878	SUMTER	SC	29151
2290001015	CHURCH SUMTER BIBLE	420 S PIKE WEST	SUMTER	SC	29150
2290201056	MORRELL ROBERT R & LATRICIA V	139 RAST ST	SUMTER	SC	29150
2290202001	CHURCH SUMTER BIBLE BY TRS	P O BOX 1855	SUMTER	SC	29150
2291602031	BRADING CHAD ETAL	59 BARNWOOD CIRCLE	GREENVILLE	SC	29607
2290702039	SCOTT WILHELMENIA D	4835 DENNIS RD	REMBERT	SC	29128
2290201055	MORRELL ROBERT R & LATRICIA V	139 RAST ST	SUMTER	SC	29150
2290201026	DEAS TOMEDIA M	121 RAST STREET	SUMTER	SC	29150
2290702032	COSOM RENEE M	52 BRUNHILL ST	SUMTER	SC	29150
2290201014	BURGETT ETHEL WRAY	27 HILLIARD DR	SUMTER	SC	29150
2290703024	DICKS ABRAM A ETAL	590 DICKS ST	SUMTER	SC	29150
2290201059	WATKINS GEORGE E JR & REBECCA B	5226 SPRING HILL RD	REMBERT	SC	29128
2290703033	FOX JUANITA LE	122 WILLOW DR	SUMTER	SC	29150
2291003038	ELDRIDGE JULIUS E JR TRUSTEE &ELDRIDGE ROLAND	118 SNOWDEN ST	SUMTER	SC	29150
2290201054	NEWMAN TERRY S	5 WARREN COURT	SUMTER	SC	29150
2290201058	SOUTHAMPTON HOLDINGS LLC ETAL	38 HAYNESWORTH ST	SUMTER	SC	29150
2290703023	A C INVESTMENTS CO INC	507 BROAD ST	SUMTER	SC	29150
2291001016	CANTY RALPH	PO BOX 1231	SUMTER	SC	29151
2290703029	GARY LEROY	683 MARLBOROUGH	SUMTER	SC	59154
2290703030	BRIGGS JASPER ETAL	17426 SW 29ST	MIRAMAR	FL	33029
2290702003	SOUTHAMPTON HOLDINGS LLC ETAL	38 HAYNESWORTH ST	SUMTER	SC	29150
2291001004	BROWN ENTERPRISES INC %	GOGGINS 3011 BROOKS DR	SNELLVILLE	GA	30078
2291003027	RILEY BARBARA B	33 NORTH WYSTERIA LANE	WINNSBORO	SC	29180
2291602033	LEE EMILY J & JOHN R	PO BOX 968	SUMTER	SC	29151
2291501011	YOUNG MENS CHRISTIAN ASSOC	50 WILLOW DRIVE	SUMTER	SC	29151
2291604014	SUMTER CITY OF	P O BOX 1449	SUMTER	SC	29151
2291003028	GEDDIS BERNIE	21 COMMUNITY ST	SUMTER	SC	29150
2280103020	HEFLIN JOHN W & EILEEN M	8 BURNS DRIVE	SUMTER	SC	29150

2280803013	DUNLAP TYLER B JR	1770 CAMDEN HWY	SUMTER	SC	29153
2280803003	HEBERT DESSIE M	127 TUCSON DRIVE	SUMTER	SC	29150
2280201005	CROUSE DAVID W & MASIE A	226 EVANS TERRACE	SUMTER	SC	29150
2280803014	PEACEFUL WAY PROPERTIES LLC	487 PRINGLE DRIVE	SUMTER	SC	29150
2280803002	WOOD JEFFERY & CATHERINE	131 TUCSON DR	SUMTER	SC	29150
2280104002	MCCASKILL F LYDE & BERTHA D	1088 SALTWOOD RD	SUMTER	SC	29154
2280803012	PEACEFUL WAY PROPERTIES LLC	487 PRINGLE DRIVE	SUMTER	SC	29150
2280103023	HEFLIN JOHN W & EILEEN M	8 BURNS DRIVE	SUMTER	SC	29150
2280803004	WAITERS NINA S	125 TUCSON DRIVE	SUMTER	SC	29150
2280902031	KEFFER JOHN S	41 TUCSON DR	SUMTER	SC	29150
2280902020	SHAW ANN M TRUSTEE	33 TUCSON DRIVE	SUMTER	SC	29150
2280803001	HILL CORINNE E ESTATE	345 W CALHOUN ST	SUMTER	SC	29150
2280904003	MOORMAN JOHN R & ANNA D	18 SWAN LAKE DRIVE	SUMTER	SC	29150
2290702036	BARNES JOANNA L	65 RAST STREET	SUMTER	SC	29150
2280104003	MCCASKILL F LYDE & BERTHA D	1088 SALTWOOD RD	SUMTER	SC	29154
2280703006	MCELVEEN JOSEPH T JR	20 BUFORD ST	SUMTER	SC	29150
2281001002	SUMTER CITY OF	P O BOX 1449	SUMTER	SC	29151
2280201008	LOVICE DAVID B & LEANNE S	14 CROWSON STREET	SUMTER	SC	29150
2290703034	BURCH SALLIE D ETAL	67 PULASKI ST	BROOKLYN	NY	11206
2290702038	CAPITAL INVESTMENT PROPERTIES LLC	PO BOX 2395	SUMTER	SC	29151
2290702010	BARKLEY CHARLES L	12 THOMAS DR	SUMTER	SC	29150
2280701005	MAJOR LEE H	39 PALMER DR	SUMTER	SC	29150
2290703064	GARVEY JAMES J & TERRY MAXWELLJ	3615 GATORBAY LANE	SUMTER	SC	29150
2290703039	CANTY RALPH W SR	PO BOX 1231	SUMTER	SC	29151
2290702037	PRINGLE LETITIA	55 RAST ST	SUMTER	SC	29150
2290702009	ARDIS TOMMIE	19 NEWMAN STREET	SUMTER	SC	29150
2280703005	WILLIAMS GREGORY H & ELIZABETHHOBBIE	24 BUFORD	SUMTER	SC	29150
2290201060	BURGETT ETHEL WRAY	27 HILLIARD DR	SUMTER	SC	29150
2290201060	BURGETT ETHEL WRAY	27 HILLIARD DR	SUMTER	SC	29150
2290703026	DIXON ELIZABETH B	P O BOX 374	MAYESVILLE	SC	29104
2290703025	DICKS ABRAM JR HEIRS(BERNICE)*	590 DICKS ST	SUMTER	SC	29150
2290703050	CANTY RALPH W SR	PO BOX 1231	SUMTER	SC	29151
2290703031	JOHNSON HERBERT HEIRS OF	20 MILTON RD	SUMTER	SC	29150
2290703067	GARVEY JAMES J & TERRY MAXWELLJ	3615 GATORBAY LANE	SUMTER	SC	29150
2280201004	KENNEDY KATHERINE L	3295 E BREWINGTON RD	SUMTER	SC	29153
2280803011	SUMTER CITY OF	P O BOX 1449	SUMTER	SC	29151
2280103019	SCOBEE WILLIAM LEE	139 TUCSON DR	SUMTER	SC	29150
2280703001	MACEWEN LYNN M	42 BUFORD ST	SUMTER	SC	29150
2280703002	RUMPH ROBERT M	38 BUFORD ST	SUMTER	SC	29150
2280803010	NOYES CHARLES V II	103 TUCSON DRIVE	SUMTER	SC	29150
2280703003	CONNOR ALLAN E & APRIL BARKLEY	30 BUFORD ST	SUMTER	SC	29150
2280803008	EDWARDS MARY A	PO BX 3353	SUMTER	SC	29151
2290703027	GREEN COULTER	628 SCOTT ST	HINESVILLE	GA	31313
2290702031	SCRIVEN PHILIP M	SCSU BOX 7433	ORANGEBURG	SC	29117
2290703028	RICHARDSON GEORGIA HEIRS OF C/O DAISY HOWARD	13 CECIL ST	SUMTER	SC	29150
2290703035	WHITE NATHALEE V ETAL	845 HAGER STREET	SUMTER	SC	29150
2290703022	A C INVESTMENT CO INC	507 BROAD ST	SUMTER	SC	29150
2291602029	BRADING CHAD ETAL	59 BARNWOOD CIRCLE	GREENVILLE	SC	29607
2280201002	CHANDLER WILLIAM P & CHRISTIN	84 WILLOW DRIVE	SUMTER	SC	29150
2280102017	BREWER MICHAEL G	439 N GUIGNARD DRIVE	SUMTER	SC	29150
2280102016	BREWER MICHAEL	439 N GUIGNARD DR	SUMTER	SC	29150
2290001013	MILLS MARGUERITE C	675 SEROTINA CT	MT PLEASANT	SC	29464
2280904001	JONES KATHRYN O	22 SWAN LAKE DRIVE	SUMTER	SC	29150
2280904005	BARWICK ANTHONY E & DALE S	10 SWAN LAKE	SUMTER	SC	29150
2281001003	DRAKEFORD ROSEMARY WELLS	16 BUFORD	SUMTER	SC	29150
2280904006	SHAW AUDREY M	6 SWAN LAKE DRIVE	SUMTER	SC	29150
2280904008	WEINBERG M M III & NANCY S	2 SWAN LAKE DR	SUMTER	SC	29150
2280904004	CHURCH OF THE HOLY COMFORTER	213 NORTH MAIN ST	SUMTER	SC	29150
2280902019	JAMES GEORGE C JR & DENA O	25 TUCSON DRIVE	SUMTER	SC	29150
2281001006	PRESCOTT ROSANNE M	24 SWAN LAKE DR	SUMTER	SC	29150
2290201053	BRADLEY SHASHAUNNA L & STACEY	M 159 PACK RD	SUMTER	SC	29150
2290702002	NEWMAN TERRY S	5 WARREN COURT	SUMTER	SC	29150
2290703001	ONEAL DOROTHY J	2170 AVALON DR	SUMTER	SC	29154
2291003033	WALKER GEORGIA H & MONTGOMERY	976 JENSEN RD	SUMTER	SC	29154

2280201007	HUNT STEPHEN E JR & HEATHER M	222 EVANS TERRACE	SUMTER	SC	29150
2280201013	HASKELL A CARTER & APRIL	231 MASON CROFT	SUMTER	SC	29150
2280803005	BOUCHER PAUL J & DOREEN	121 TUCSON DRIVE	SUMTER	SC	29150
2280904007	OSTEEN JOHN DUVALL & SUSAN D	4 SWAN LAKE DR	SUMTER	SC	29150
2290703037	DUPREE BARBARA JANET MICKENS	PO BOX 1106	SUMTER	SC	29151
2290703038	JOHNSON HERBERT HEIRS OF	20 MILTON RD	SUMTER	SC	29150
2290702033	A C INVESTMENT COMPANY INC	507 BROAD STREET	SUMTER	SC	29150
2280804001	BURNS CHARLES R	59 TUCSON DR	SUMTER	SC	29150
2290703021	MYERS MARTHA A & JAMES GREGORY	ETAL C/O 596 DICKS STREET	SUMTER	SC	29150
2280001004	SUMTER CITY OF	P O BOX 1449	SUMTER	SC	29151
2280803007	SHULER MARION	115 TUCSON DR	SUMTER	SC	29150
2290703036	JACKSON EARTHA LEE LE	120 WEST 131ST STREET PVT	NEW YORK	NY	10027
2280102013	BREWER MICHAEL	439 N GUIGNARD DR	SUMTER	SC	29150
2280904002	DAVIS JAMES K JR & ASHLEIGH M	20 SWAN LAKE DR	SUMTER	SC	29150
2280102011	SUMTER DG LLC	PO BOX 924	GAINESVILLE	GA	30503
2291003054	MCLEOD REGIONAL MEDICAL CENTEROF THE PEE DEE INC	1001 DAY STREET	FLORENCE	SC	29506
2300002010	SUMTER COUNTY	13 EAST CANAL STREET	SUMTER	SC	29150
2290201011	CLARK LINDA C	19 HILLIARD DR	SUMTER	SC	29150
2280701002	AVINS SAMUEL S & SHELLY A	500 HAYNSWORTH ST	SUMTER	SC	29150



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

B & S Rentals Llc
852 W Liberty St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
1. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
2. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 852 W Liberty St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Butler Elizabeth Gary
734 Estate Drive
Sumter, SC 29150

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2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 734 Estate Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

City Of Sumter
Po Bx 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Bx 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter County
13 East Canal Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 13 East Canal Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Gore Vivian J & Banks Ethel M
930 Betsy Drive
Columbia, SC 29210

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 930 Betsy Drive, Columbia, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Chavis Danny
3790 Bart Davis Rd
Alcolu, SC 29001

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3790 Bart Davis Rd, Alcolu, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Washington Susan Eli % Jennifer Adams
3 Broad Court
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3 Broad Court, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Williams Daisy
207 Weequahic
Newark, NJ 07112

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 207 Weequahic, Newark, NJ. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Scott Wilhelmenia D
4835 Dennis Rd
Rembert, SC 29128

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 4835 Dennis Rd, Rembert, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter County
13 East Canal Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 13 East Canal Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter County
13 East Canal Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 13 East Canal Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Outing Serena Heirs Of
9287 Upwood Lane
Columbia, MD 21045

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 9287 Upwood Lane, Columbia, MD. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Southampton Holdings Llc Etal
38 Haynesworth St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 38 Haynesworth St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter County
13 East Canal Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 13 East Canal Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter City Of
P O Box 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Church Corinth Missionary Bap Tist
80 Lillie Drive
Sumter, SC 29153

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 80 Lillie Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Southampton Holdings Llc Etal
38 Haynesworth St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 38 Haynesworth St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Exchangeright Net Leased Portfolio 14 Dst
200 S Los Robles Ave Ste 210
Pasadena, CA 91101

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 200 S Los Robles Ave Ste 210, Pasadena, CA. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Southampton Holdings Llc Etal
38 Haynesworth St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 38 Haynesworth St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Church Sumter Bible By Trs
P O Box 1855
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 1855, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Osborne Addison L Jr & Peidis Panagiotis
3080 Cox Rd
Sumter, SC 29154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3080 Cox Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Osborne Addison L Jr & Peidis Panagiotis
3080 Cox Rd
Sumter, SC 29154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3080 Cox Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter City Of
Po Box 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Nelson Anita Dwyer & Dwyer James M Iii
116 Gills Crossing
Columbia, SC 29223

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 116 Gills Crossing, Columbia, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Hudson Diana P Etal
3005 Tamarah Way
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

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1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
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3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3005 Tamarah Way, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter City Of
Po Box 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

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2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Nelson Anita Dwyer & Dwyer James M Iii
116 Gills Crossing
Columbia, SC 29223

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 116 Gills Crossing, Columbia, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Garris Bradford Hinson
2540 Highview St
Sumter, SC 29154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 2540 Highview St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Oreilly Automotive Inc % Thomson Reuters Pts
Po Box 9167
Springfield, MO 65801

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 9167, Springfield, MO. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Young Men Christian Associatio
50 Willow Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 50 Willow Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Hodge Land Company Inc
11 Broad Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 11 Broad Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Stephens Properties Llc
Post Office Box 176
Manning, SC 29102

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Post Office Box 176, Manning, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

H & N Llc
1224 Pickens St Ste 200
Columbia, SC 29201

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 1224 Pickens St Ste 200, Columbia, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Hodge W Miles As Trustee
11 Broad St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 11 Broad St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Newman Terry S
5 Warren Court
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 5 Warren Court, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Laws David Jr
P O Box 878
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 878, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Church Sumter Bible
420 S Pike West
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 420 S Pike West, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Morrell Robert R & Latricia V
139 Rast St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 139 Rast St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Church Sumter Bible By Trs
P O Box 1855
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 1855, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Brading Chad Etal
59 Barnwood Circle
Greenville, SC 29607

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 59 Barnwood Circle, Greenville, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Scott Wilhelmenia D
4835 Dennis Rd
Rembert, SC 29128

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 4835 Dennis Rd, Rembert, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Morrell Robert R & Latricia V
139 Rast St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 139 Rast St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Deas Tomekia M
121 Rast Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 121 Rast Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Cosom Renee M
52 Brunhill St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 52 Brunhill St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Burgett Ethel Wray
27 Hilliard Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 27 Hilliard Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Dicks Abram A Etal
590 Dicks St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 590 Dicks St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Watkins George E Jr & Rebecca B
5226 Spring Hill Rd
Rembert, SC 29128

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 5226 Spring Hill Rd, Rembert, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Fox Juanita Le
122 Willow Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 122 Willow Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Eldridge Julius E Jr Trustee & Eldridge Roland
118 Snowden St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 118 Snowden St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Newman Terry S
5 Warren Court
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 5 Warren Court, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Southampton Holdings Llc Etal
38 Haynesworth St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 38 Haynesworth St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

A C Investments Co Inc
507 Broad St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 507 Broad St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Canty Ralph
Po Box 1231
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 1231, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Gary Leroy
683 Marlborough
Sumter, SC 59154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 683 Marlborough, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Briggs Jasper Etal
17426 Sw 29st
Miramar, FL 33029

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 17426 Sw 29st, Miramar, FL. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Southampton Holdings Llc Etal
38 Haynesworth St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 38 Haynesworth St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Brown Enterprises Inc %
Goggins 3011 Brooks Dr
Snellville, GA 30078

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Goggins 3011 Brooks Dr, Snellville, GA. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Riley Barbara B
33 North Wysteria Lane
Winnsboro, SC 29180

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 33 North Wysteria Lane, Winnsboro, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Lee Emily J & John R
Po Box 968
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 968, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Young Mens Christian Assoc
50 Willow Drive
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 50 Willow Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter City Of
P O Box 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Geddis Bernie
21 Community St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 21 Community St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Heflin John W & Eileen M
8 Burns Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 8 Burns Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Dunlap Tyler B Jr
1770 Camden Hwy
Sumter, SC 29153

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 1770 Camden Hwy, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Hebert Dessie M
127 Tucson Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 127 Tucson Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Crouse David W & Masie A
226 Evans Terrace
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 226 Evans Terrace, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Peaceful Way Properties Llc
487 Pringle Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 487 Pringle Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Wood Jeffery & Catherine
131 Tucson Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 131 Tucson Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Mccaskill F Lyde & Bertha D
1088 Saltwood Rd
Sumter, SC 29154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 1088 Saltwood Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Peaceful Way Properties Llc
487 Pringle Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 487 Pringle Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Heflin John W & Eileen M
8 Burns Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 8 Burns Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Waiters Nina S
125 Tucson Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 125 Tucson Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Keffer John S
41 Tucson Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 41 Tucson Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Shaw Ann M Trustee
33 Tucson Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 33 Tucson Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Hill Corinne E Estate
345 W Calhoun St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 345 W Calhoun St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Moorman John R & Anna D
18 Swan Lake Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 18 Swan Lake Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Barnes Joanna L
65 Rast Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 65 Rast Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Mccaskill F Lyde & Bertha D
1088 Saltwood Rd
Sumter, SC 29154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 1088 Saltwood Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

McElveen Joseph T Jr
20 Buford St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 20 Buford St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter City Of
P O Box 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Lovice David B & Leanne S
14 Crowson Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 14 Crowson Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Burch Sallie D Etal
67 Pulaski St
Brooklyn, NY 11206

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 67 Pulaski St, Brooklyn, NY. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Capital Investment Properties Llc
Po Box 2395
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 2395, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Barkley Charles L
12 Thomas Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 12 Thomas Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Major Lee H
39 Palmer Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 39 Palmer Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Garvey James J & Terry Maxwellj
3615 Gatorbay Lane
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3615 Gatorbay Lane, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Canty Ralph W Sr
Po Box 1231
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 1231, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Pringle Letitia
55 Rast St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 55 Rast St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Ardis Tommie
19 Newman Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 19 Newman Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Williams Gregory H & Elizabethhobbie
24 Buford
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 24 Buford, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Burgett Ethel Wray
27 Hilliard Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 27 Hilliard Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Burgett Ethel Wray
27 Hilliard Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 27 Hilliard Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Dixon Elizabeth B
P O Box 374
Mayesville, SC 29104

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 374, Mayesville, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Dicks Abram Jr Heirs(Bernice)*
590 Dicks St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 590 Dicks St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Canty Ralph W Sr
Po Box 1231
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 1231, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Johnson Herbert Heirs Of
20 Milton Rd
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 20 Milton Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Garvey James J & Terry Maxwellj
3615 Gatorbay Lane
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3615 Gatorbay Lane, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Kennedy Katherine L
3295 E Brewington Rd
Sumter, SC 29153

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

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2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 3295 E Brewington Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter City Of
P O Box 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Scobee William Lee
139 Tucson Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 139 Tucson Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Macewen Lynn M
42 Buford St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 42 Buford St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Rumph Robert M
38 Buford St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 38 Buford St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Noyes Charles V II
103 Tucson Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 103 Tucson Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Connor Allan E & April Barkley
30 Buford St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 30 Buford St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Edwards Mary A
Po Bx 3353
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Bx 3353, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Green Coulter
628 Scott St
Hinesville, GA 31313

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 628 Scott St, Hinesville, GA. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Scriven Philip M
Scsu Box 7433
Orangeburg, SC 29117

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Scsu Box 7433, Orangeburg, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Richardson Georgia Heirs Of C/O Daisy Howard
13 Cecil St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 13 Cecil St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

White Nathalee V Etal
845 Hager Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 845 Hager Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

A C Investment Co Inc
507 Broad St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 507 Broad St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Brading Chad Etal
59 Barnwood Circle
Greenville, SC 29607

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 59 Barnwood Circle, Greenville, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Chandler William P & Christin
84 Willow Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 84 Willow Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Brewer Michael G
439 N Guignard Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 439 N Guignard Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Brewer Michael
439 N Guignard Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 439 N Guignard Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Mills Marguerite C
675 Serotina Ct
Mt Pleasant, SC 29464

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 675 Serotina Ct, Mt Pleasant, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Jones Kathryn O
22 Swan Lake Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 22 Swan Lake Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Barwick Anthony E & Dale S
10 Swan Lake
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 10 Swan Lake, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Drakeford Rosemary Wells
16 Buford
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 16 Buford, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Shaw Audrey M
6 Swan Lake Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 6 Swan Lake Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Weinberg M M Iii & Nancy S
2 Swan Lake Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 2 Swan Lake Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Church Of The Holy Comforter
213 North Main St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

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Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 213 North Main St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

James George C Jr & Dena O
25 Tucson Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

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The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 25 Tucson Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Prescott Rosanne M
24 Swan Lake Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 24 Swan Lake Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Bradley Shashaunna L & Stacey
M 159 Pack Rd
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at M 159 Pack Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Newman Terry S
5 Warren Court
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 5 Warren Court, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Oneal Dorothy J
2170 Avalon Dr
Sumter, SC 29154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 2170 Avalon Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Walker Georgia H & Montgomery
976 Jensen Rd
Sumter, SC 29154

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 976 Jensen Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Hunt Stephen E Jr & Heather M
222 Evans Terrace
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 222 Evans Terrace, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Haskell A Carter & April
231 Mason Croft
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 231 Mason Croft, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Boucher Paul J & Doreen
121 Tucson Drive
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 121 Tucson Drive, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Osteen John Duvall & Susan D
4 Swan Lake Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 4 Swan Lake Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Dupree Barbara Janet Mickens
Po Box 1106
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 1106, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Johnson Herbert Heirs Of
20 Milton Rd
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 20 Milton Rd, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

A C Investment Company Inc
507 Broad Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 507 Broad Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Burns Charles R
59 Tucson Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 59 Tucson Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Myers Martha A & James Gregory
Etal C/O 596 Dicks Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Etal C/O 596 Dicks Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter City Of
P O Box 1449
Sumter, SC 29151

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at P O Box 1449, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Shuler Marion
115 Tucson Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 115 Tucson Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Jackson Eartha Lee Le
120 West 131st Street Pvt
New York, NY 10027

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 120 West 131st Street Pvt, New York, NY. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Brewer Michael
439 N Guignard Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 439 N Guignard Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Davis James K Jr & Ashleigh M
20 Swan Lake Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 20 Swan Lake Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter Dg Llc
Po Box 924
Gainesville, GA 30503

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at Po Box 924, Gainesville, GA. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

McLeod Regional Medical Center of The Pee Dee Inc
1001 Day Street
Florence, SC 29506

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 1001 Day Street, Florence, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Sumter County
13 East Canal Street
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 13 East Canal Street, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Clark Linda C
19 Hilliard Dr
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 19 Hilliard Dr, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator



Sumter City-County

Planning Department

DERON L. MCCORMICK
CITY MANAGER

GEORGE K. MCGREGOR
PLANNING DIRECTOR

GARY M. MIXON
COUNTY ADMINISTRATOR

July 24, 2019

Avins Samuel S & Shelly A
500 Haynsworth St
Sumter, SC 29150

Dear Sir or Madam,

The Flood Insurance Rate Map (FIRM) for a community depicts the Special Flood Hazard Area (SFHA), the area which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The floodway is the portion of the floodplain that includes the channel of a river or other watercourse and the adjacent land area that must be reserved in order to discharge the 1% annual chance (base) flood without cumulatively increasing the water-surface elevation by more than a designated height. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

The City of Sumter is applying for a Conditional Letter of Map Revision (CLOMR) from the Federal Emergency Management Agency (DHS-FEMA) on behalf of the City of Sumter to revise FIRM 45085C0303D and 45085C0311D for the City of Sumter and Sumter County along Shot Pouch Branch. The City of Sumter is proposing to construct a public multi-use trail and associated pedestrian crossing structures as part of the greenway project.

The proposed project will result in increases in the 1% annual chance (base) water-surface elevations for a portion of Shot Pouch Branch.

Once the project has been completed, a Letter of Map Revision (LOMR) request should be submitted that will, in part, revise the following flood hazards along Shot Pouch Branch.

1. The floodway will be revised from West Liberty Street to Dillon Park along Shot Pouch Branch. The floodway will increase and decrease within the revised area.
2. Base Flood Elevations (BFEs) will increase and decrease along Shot Pouch Branch.
3. The SFHA will increase and decrease along Shot Pouch Branch.

This letter is to inform you of the proposed project that may affect flood elevations on your property at 500 Haynsworth St, Sumter, SC. This letter is also to inform you of the potential changes to the effective flood hazard information that would result after the project is completed and a LOMR request is submitted to FEMA.

Maps and detailed analysis of the proposed flood hazard revisions can be reviewed at the Sumter City-County Planning Department offices at 12 W. Liberty Street, Sumter, SC 29150. If you have any questions or concerns about the proposed project or its effect on your property, you may contact Helen Roodman at (803) 774-1636 or via e-mail at hroodman@sumtersc.gov.

Sincerely,

Helen M. Roodman, AICP, CFM
Zoning Administrator

CERTIFICATION OF NO STRUCTURES AFFECTED

I, P. David Prohaska, confirm that I am a Registered Professional Engineer, No. 30780, in the State of South Carolina and that the preparation of the CLOMR request presented herein has been completed under my direction. I hereby certify that no existing structures would be affected by increases in the base (1%-annual-chance) flood elevation (BFE).

P. David Prohaska

5/8/19

Date

