



Upstream from ordinary.

BOARD OF ALDERMEN MEETING

RIVERSIDE CITY HALL

2950 NW VIVION ROAD

RIVERSIDE, MISSOURI 64150

TENTATIVE AGENDA

August 16, 2022

Closed Session – 6:00 p.m.

Regular Meeting - 7:00 p.m.

Call to Order

Roll Call

CLOSED SESSION

(6:00 p.m.)

1. Motion to enter into CLOSED SESSION for the following matters:

610.021(1) Legal actions, causes of action or litigation involving a public governmental body and any confidential or privileged communications between a public governmental body or its representatives and its attorneys

610.021 (2) Leasing, purchase, or sale of real estate by a public governmental body where public knowledge of the transaction might adversely affect the legal consideration therefore

610.021(3) Hiring, firing, disciplining or promoting a particular employee, when personal information about the employee is discussed.

610.021(13) Individually identifiable personnel records, performance ratings or records pertaining to employee or applicant for employment.

2. Motion to adjourn closed.

REGULAR SESSION

(7:00 p.m.)

Call to Order

Roll Call

Pledge of Allegiance

Public Comments - Members of the public may address exclusively the Mayor and members of the Board of Aldermen during Public Comments ONLY. This Public Comments time is reserved for citizen comments regarding **agenda** and **non-agenda** items. However, any item not listed on the agenda will be taken under advisement. Public comment on any agenda item which has a **Public Hearing** should be reserved until the Public Hearing is opened and comments on such item will be taken at that time. Each speaker is limited to 5 minutes.

LEGISLATIVE SESSION

1. CONSENT AGENDA

All matters listed under the Consent Agenda are considered to be routine by the Board of Aldermen and will be enacted by one motion to approve the Consent Agenda as presented. There is no separate discussion of these items. The Mayor or a member of the Board of Aldermen may request that any item be removed from the Consent Agenda for discussion or explanation. If removed, it will be considered separately following approval of the remaining items on the Consent Agenda. No motion is required to remove an item from the Consent Agenda.

Approval of minutes for August 2, 2022.

Approval of Court Report for July 2022.

R-2022-088: A RESOLUTION AWARDED CONSTRUCTION OF THE 2022 INDIAN HILLS CIPP PROJECT AND APPROVING THE AGREEMENT BETWEEN THE CITY AND SAK CONSTRUCTION, LLC FOR CONSTRUCTION OF SUCH PROJECT. Point Of Contact: City Engineer Travis Hoover.

REGULAR AGENDA

1. First Reading: Bill No. 2022-045: **AN ORDINANCE AMENDING THE MUNICIPAL CODE RELATED TO NOISE DISTURBANCE.** Point of Contact: Community Development Director Mike Duffy.
2. **R-2022-087: A RESOLUTION AUTHORIZING THE EXPENDITURE OF FUNDS OUT OF THE CITY TREASURY OF THE CITY OF RIVERSIDE FOR FISCAL YEAR 2021-2022 AND 2022-2023 WEEKS ENDING AUGUST 5TH AND AUGUST 12TH IN THE AMOUNT OF \$434,365.52.** Point of Contact: Finance Director Erika Benitez.
3. **R-2022-089: A RESOLUTION APPROVING AN AGREEMENT FOR COMPREHENSIVE PLANNING SERVICES BETWEEN THE CITY OF RIVERSIDE MISSOURI AND RDG PLANNING & DESIGN.** Point Of Contact: Community Development Director Mike Duffy.
4. **R-2022-090: A RESOLUTION APPROVING TASK ORDER NUMBER 1 WITH RDG PLANNING & DESIGN.** Point of Contact: Community Development Director Mike Duffy.
5. **Motion** to approve Beer and Light Wine Liquor License, contingent upon State of Missouri Approval for The Tree Hugger Truck LLC –Managing Agent Phillip Newman at 7601 E. 75th Street, Kansas City, MO 64138. Point of Contact: City Clerk Robin Kincaid.
6. **Communication from City Administrator**
 - a) **Department Reports**
 - i. Community Development
 - ii. Engineering
 - iii. Finance
 - iv. Fire
 - v. Police
 - vi. Public Works
 - vii. Levee Board Report

7. **Communication from Mayor**

8. **Communication from Board of Aldermen**

9. **Motion** to Adjourn.

ATTEST:


Robin Kincaid, City Clerk


Michael Duffy, Acting City Administrator

MINUTES
REGULAR MEETING
BOARD OF ALDERMEN
RIVERSIDE, MISSOURI

Tuesday, August 2, 2022
6:00 p.m.

The Board of Aldermen for the City of Riverside, Missouri, met in regular session in the Board of Aldermen Chambers at City Hall, 2950 NW Vivion Road, Riverside, Missouri, on Tuesday, August 2, 2022.

Mayor Rose called the meeting to order at 6:02 p.m. Those in attendance were, Mayor Kathy Rose, Aldermen Jill Beck, Dawn Cockrell, Sal LoPorto, Rob Milner, and Steve Palma (by Zoom.)
Alderman Nathan Cretsinger was absent.

Also present were City Administrator Brian Koral, City Clerk Robin Kincaid, Community Development Director Mike Duffy, and City Attorney Paul Campo.

**MOTION TO ENTER INTO
CLOSED @ 6:02 P.M.**

Alderman Beck moved to enter closed session pursuant to RSMo 610.021 (1) Legal Action and litigation, and RSMo 610.021 (2) Leasing, Purchase, or sale of real estate, RSMo 610.021(3) Hiring, firing, disciplining, or promoting a particular employee, when personal information about the employee is discussed, and RSMo 610.021 (13) Individually identifiable personnel records, performance ratings or records pertaining to employee or applicant for employment, second by Alderman LoPorto.
Yes: Beck, LoPorto, Milner, Palma, and Cockrell.
Motion carried 5-0.

**MOTION TO ADJOURN
CLOSED @ 6:17 P.M.**

Alderman Beck moved at 6:17 p.m. to adjourn closed session with no action taken, second by Alderman Cockrell.
Yes: Beck, Cockrell, Palma, LoPorto, and Milner.
Motion carried 5-0.

REGULAR SESSION

Mayor Kathy Rose called the Regular Session Meeting to order at 7:07 p.m.

Those in attendance were Mayor Kathy Rose, Aldermen Dawn Cockrell, Jill Beck, Rob Milner, Sal LoPorto, and Steve Palma (by Zoom at 7:04 p.m.)

Also present were City Administrator Brian Koral, Community Development Director Mike Duffy, City Clerk Robin Kincaid, Public Works Director Tom Wooddell, City Engineer Travis Hoover, Police Chief Chris Skinrood, Fire Chief Gordon Fowlston, Human Resources Manager Amy Strough, and City Attorney Paul Campo.

PLEDGE OF ALLEGIANCE Mayor Rose led the Pledge of Allegiance.

PUBLIC COMMENT	None.
CONSENT AGENDA	Alderman Beck moved to approve the consent agenda as presented, second by Alderman Cockrell. Yes: Beck, Cockrell, LoPorto, and Milner. Motion carried 4-0.
MINUTES OF 07-19-22	Alderman Beck moved to approve the minutes of the July 19, 2022, meeting, second by Alderman Cockrell. Yes: Beck, Cockrell, LoPorto, and Milner. Motion carried 4-0.
REGULAR AGENDA	
BILL NO. 2022-044 PT Fire Hire – Jewitt	City Clerk Robin Kincaid gave first reading of Bill No. 2022-044. Alderman Beck moved to accept first reading and place Bill 2022-044 on second and final reading, second by Alderman Cockrell. Yes: Beck, Cockrell, Milner, and LoPorto. Motion carried 4-0. City Clerk Kincaid gave second reading of Bill No. 2022-044. Alderman Milner moved to approve Bill 2022-044 and enact said bill as ordinance, second by Alderman Cockrell. Yes: Milner, Cockrell, Beck, and LoPorto. Motion carried 4-0.
RESOLUTION 2022-085 Bill Pay	Alderman LoPorto moved to approve Resolution 2022-085 authorizing the expenditure of funds for fiscal year 2021-2022 and 2022-2023 for weeks ending July 22 nd and July 29 th in the amount of \$467,734.87, second by Alderman Cockrell. Yes: LoPorto, Cockrell, Milner, and Beck. Motion carried 4-0.
RESOLUTION 2022-086 2022 Street Maint - Concrete	City Engineer Travis Hoover explained that we had two bids submitted and the lower of the two was selected. Alderman Milner moved to approve Resolution 2022-086 awarding the bid for construction of the 2022 street maintenance – concrete and approving the agreement between the City and Terry Snelling Construction, Inc. for construction of such project, second by Alderman Beck. Yes: Milner, Beck, LoPorto, and Cockrell. Motion carried 4-0.
Liquor License Approval Carved - 10.15.22	Alderman Beck moved to approve the picnic not-for-profit liquor license contingent upon State of Missouri approval for the Carved, Managing Agent April Roberson, event dates – October 15, 2022, at Renner Brenner Park, second by Alderman Cockrell. Yes: Beck, Cockrell, LoPorto, Milner, and Palma. Motion carried 5-0.

CITY ADMINISTRATOR City Administrator Koral announced that there will be a retirement reception for Communications Manager/ Records Custodian Candy Gram this Friday at 11:30 a.m. to celebrate 40 years of service. We are also partnering with the YMCA for morning pool hours after school opens. The Parkville pool is closing for annual maintenance and updating features, so they will offer morning hours to use our pool, closing at 1:00 p.m., and reopening at 3:00 p.m. for our normal after school swim hours throughout the regular season. Happy Election Day.

COMMUNITY DEVELOPMENT Community Development Mike Duffy discussed a phone call from a resident regarding an issue with concrete pours in the early morning hours at the RedX construction site. We have looked at our noise ordinance and with the help of our city attorney, we have changes to the language to allow for a construction waiver with notification prior to the event to residential properties within 1,000 feet of the location of the pours, along with a few other requirements. Duffy answered questions and stated that this will be brought to the board for consideration at the next meeting.

ENGINEERING Nothing to report.

FINANCE Nothing to report.

FIRE Nothing to report.

POLICE Nothing to report.

PUBLIC WORKS Nothing to report.

LEVEE BOARD Nothing to report.

MAYOR'S DISCUSSION Mayor Kathy Rose stated that she wanted to talk about our successes. We have had the Junior Police Academy Graduation, the Park Hill South Football Team doing community service in the E.H. Young Park, we honored the Beyond the Bell Program at English Landing Elementary at MML Civic Leadership Awards Banquet, and these were all huge successes for our community. These programs make such a difference, and it makes me really happy to see and hear all the positive comments and great outcomes! I did need to mention one complaint I received about the parking on Woodland and Valley, which we are looking into this issue, the city is working on the problem.

BOARD OF ALDERMEN Alderman Milner – Nothing to report.

Alderman Cockrell – Nothing to report.

Alderman LoPorto – Nothing to report.

Alderman Beck – Nothing to report.

Alderman Palma – Nothing to report.

MOTION TO ADJOURN

Alderman Beck moved to adjourn the meeting at 7:13 p.m., second by Alderman Cockrell.

Yes: Beck, Cockrell, Palma, Milner, and LoPorto.

Motions carried 5-0.

Robin Kincaid, City Clerk

**CITY OF RIVERSIDE
MUNICIPAL COURT
2950 N.W. VIVION RD
RIVERSIDE, MISSOURI 64150**

**REPORT TO CITY CLERK
FOR MONTH OF JULY**

I do hereby certify that this is a complete listing of the cases heard in the Municipal Division for the month of **JULY 2022**.



Shayla Jones
Court Administrator

Filed: August 1, 2022
RSMo. 479.080.3

(Trial de novo as filed: None)



Report received by City Clerk

*Printed: 08/01/2022

MUNICIPAL DIVISION SUMMARY REPORTING FORM

Refer to instructions for directions and term definitions. Complete a report each month even if there has not been any court activity.

<u>I. COURT INFORMATION</u>		Municipality: RIVERSIDE	Reporting Period: Jul 1, 2022 - Aug 1, 2022	
Mailing Address: 2950 NW VIVION ROAD, RIVERSIDE, MO 64150				
Physical Address: 2950 NW VIVION ROAD, RIVERSIDE, MO 64150			County: Platte County	Circuit: 06
Telephone Number: (816)7411212		Fax Number:		
Prepared by: SHAYLA JONES		E-mail Address:		
Municipal Judge: FERGUSON				
<u>II. MONTHLY CASELOAD INFORMATION</u>				
		Alcohol & Drug Related Traffic	Other Traffic	Non-Traffic Ordinance
A. Cases (citations/informations) pending at start of month		33	1,492	373
B. Cases (citations/informations) filed		5	170	30
C. Cases (citations/informations) disposed				
1. jury trial (Springfield, Jefferson County, and St. Louis County only)		0	0	0
2. court/bench trial - GUILTY		1	19	6
3. court/bench trial - NOT GUILTY		0	0	0
4. plea of GUILTY in court		0	23	3
5. Violations Bureau Citations (i.e. written plea of guilty) and bond forfeiture by court order (as payment of fines/costs)		0	14	0
6. dismissed by court		0	0	0
7. <i>nolle prosequi</i>		0	15	1
8. certified for jury trial (not heard in Municipal Division)		0	0	0
9. TOTAL CASE DISPOSITIONS		1	71	10
D. Cases (citations/informations) pending at end of month [pending caseload = (A+B)-C9]		37	1,591	393
E. Trial de Novo and/or appeal applications filed		0	0	0
<u>III. WARRANT INFORMATION (pre- & post-disposition)</u>		<u>IV. PARKING TICKETS</u>		
1. # Issued during reporting period	258	1. # Issued during period	0	
2. # Served/withdrawn during reporting period	15	<input checked="" type="checkbox"/> Court staff does not process parking tickets		
3. # Outstanding at end of reporting period	1,235			

MUNICIPAL DIVISION SUMMARY REPORTING FORM

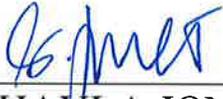
COURT INFORMATION	Municipality: RIVERSIDE	Reporting Period: Jul 1, 2022 - Aug 1, 2022
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<u>V. DISBURSEMENTS</u>			
Excess Revenue (minor traffic and municipal ordinance violations, subject to the excess revenue percentage limitation)		Other Disbursements: Enter below additional surcharges and/or fees not listed above. Designate if subject to the excess revenue percentage limitation. Examples include, but are not limited to, arrest costs and witness fees.	
Fines - Excess Revenue	\$4,282.50	Court Automation	\$406.00
Clerk Fee - Excess Revenue	\$576.00	Total Other Disbursements	\$406.00
Crime Victims Compensation (CVC) Fund surcharge - Paid to City/Excess Revenue	\$17.76	Total Disbursements of Costs, Fees, Surcharges and Bonds Forfeited	\$7,690.00
Bond forfeitures (paid to city) - Excess Revenue	\$0.00	Bond Refunds	\$0.00
Total Excess Revenue	\$4,876.26	Total Disbursements	\$7,690.00
Other Revenue (non-minor traffic and ordinance violations, not subject to the excess revenue percentage limitation)			
Fines - Other	\$1,348.50		
Clerk Fee - Other	\$120.00		
Judicial Education Fund (JEF) <input checked="" type="checkbox"/> Court does not retain funds for JEF	\$0.00		
Peace Officer Standards and Training (POST) Commission surcharge	\$58.00		
Crime Victims Compensation (CVC) Fund surcharge - Paid to State	\$413.54		
Crime Victims Compensation (CVC) Fund surcharge - Paid to City/Other	\$3.70		
Law Enforcement Training (LET) Fund surcharge	\$116.00		
Domestic Violence Shelter surcharge	\$232.00		
Inmate Prisoner Detainee Security Fund surcharge	\$116.00		
Restitution	\$0.00		
Parking ticket revenue (including penalties)	\$0.00		
Bond forfeitures (paid to city) - Other	\$0.00		
Total Other Revenue	\$2,407.74		

MONTHLY REPORT
TO THE
CITY OF RIVERSIDE, MISSOURI

August 1, 2022

I ATTEST THAT THE FOREGOING IS A TRUE AND
FACTUAL ACCOUNTING OF COURT FOR THE MONTH OF
JULY 2022.



SHAYLA JONES, COURT ADMINISTRATOR

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Total Other Revenue	\$2,407.74		

A RESOLUTION AWARDDING CONSTRUCTION OF THE 2022 INDIAN HILLS CIPP PROJECT AND APPROVING THE AGREEMENT BETWEEN THE CITY AND SAK CONSTRUCTION, LLC FOR CONSTRUCTION OF SUCH PROJECT

WHEREAS, SAK Construction, LLC provided a bid to St. Joseph, Missouri for Cast-In-Place Pipe (CIPP); and

WHEREAS, SAK Construction, LLC agrees to honor the pricing of the St. Joseph, Missouri bid for the City of Riverside project; and

WHEREAS, SAK Construction, LLC agrees to meet the standard specifications of the City of Riverside as incorporated in the attached project manual; and

WHEREAS, the City of Riverside desires to work with SAK Construction, LLC using the attached project manual and St. Joseph, Missouri pricing; and

WHEREAS, the City of Riverside has been awarded a Platte County Stormwater Grant in the amount of \$40,000 applicable to the Project; and

WHEREAS, the Board of Aldermen find it is in the best interest of the City to enter into a contract with SAK Construction, LLC to perform the Project.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RIVERSIDE MISSOURI AS FOLLOWS:

THAT the proposal of SAK Construction, LLC for the construction of the 2022 Indian Hills CIPP Project in the amount of \$88,246.13 is hereby accepted and approved; and

FURTHER THAT an agreement by and between the City of Riverside and SAK Construction, LLC in substantially the same form as attached hereto in Exhibit "A" and incorporated herein by reference is hereby authorized and approved, and the Mayor is authorized to execute the same on behalf of the City; and

FURTHER THAT the Mayor, City Administrator, City Attorney, and Finance Director are hereby authorized to execute all documents and agreements necessary or incidental to carry out the terms and conditions of such bid award and the City Clerk is authorized to attest thereto.

PASSED AND ADOPTED by the Board of Aldermen of the City of Riverside Missouri the 16th day of August 2022.

Kathleen L. Rose, Mayor

ATTEST:

Robin Kincaid, City Clerk

EXHIBIT "A"

2022 INDIAN HILLS CIPP PROJECT

PROJECT MANUAL

2022 INDIAN HILLS CIPP PROJECT

PROJECT NO: 153-025

The City of Riverside, Missouri

July 22, 2022

TABLE OF CONTENTS

DIVISION 0 – PROPOSAL AND CONTRACT DOCUMENTS

<i>SAK EXISTING CONTRACT WITH ST. JOSEPH, MISSOURI</i>
<i>SAK PROPOSAL BASED ON ST. JOSEPH, MO PRICING</i>
<i>AFFIDAVIT for WORK AUTHORIZATION</i>

AGREEMENT

EXHIBIT A	PAYMENT BOND
EXHIBIT B	TIME FOR COMPLETION
EXHIBIT C	SCOPE OF WORK
EXHIBIT D	TECHNICAL SPECIFICATIONS
EXHIBIT E	NOTICE TO PROCEED
EXHIBIT F	EXAMPLE - APPLICATION FOR PAYMENT FORM
EXHIBIT G	EXAMPLE - CHANGE ORDER FORM
EXHIBIT H	CERTIFICATE OF SUBSTANTIAL COMPLETION
EXHIBIT I	CONTRACTOR AFFIDAVIT FOR FINAL PAYMENT
EXHIBIT J	SUBCONTRACTOR AFFIDAVIT FOR FINAL PAYMENT
EXHIBIT K	ENGINEER/CONSULT. CERT. for Acceptance & Final Payment
EXHIBIT L	ANTI-DISCRIMINATION AGAINST ISRAEL ACT CERTIFICATION

SPECIFICATIONS

DIVISION 1 – GENERAL REQUIREMENTS

<u>Section</u>	<u>Description</u>
01015	CONTRACTOR USE OF PREMISES
01030	SPECIAL CONDITIONS
01040	COORDINATION
01270	MEASUREMENT AND PAYMENT
01310	JOB SITE ADMINISTRATION
01320	CONSTRUCTION SCHEDULE
01410	TESTING LABORATORY SERVICES
01524	WASTE AREA, MATERIAL STORAGE AND SITE APPEARANCE
01570	TEMPORARY TRAFFIC CONTROL

DIVISION 2 – SITEWORK

<u>Section</u>	<u>Description</u>
02532	CURED-IN-PLACE PIPE

DIVISION 0 - PROPOSAL AND CONTRACT
DOCUMENTS



636.385.1000 *tel*
 636.385.1100 *fax*
 864 Hoff Road
 O'Fallon, MO 63366
www.sakcon.com

February 27, 2019

City of St. Joseph, MO
 1100 Frederick Avenue
 St. Joseph, MO 64501

Mr. Keven Schneider:

SAK Construction, LLC is pleased to offer The City of St. Joseph, MO the following pricing per the TCPN National IPA purchasing agreement:

Tab 6 - Pricing

Not to Exceed Pricing

- TCPN requests pricing be submitted as not to exceed for any participating entity
- Unlike fixed pricing the awarded vendor can adjust submitted pricing lower if needed, but cannot exceed original pricing submitted for solicitation.
- Vendor must allow for lower pricing to be available for similar product and service purchases.

	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>
Section A: Cured-in-place pipe (CIPP) reconstruction of gravity sewers Part 1 - Installation			
6" x 4.5mm	1	LF	\$36.00
8" x 4.5mm	1	LF	\$26.50
10" x 6.0mm	1	LF	\$31.00
12" x 6.0mm	1	LF	\$46.00
15" x 7.5mm	1	LF	\$52.00
18" x 9.0mm	1	LF	\$82.50
21" x 9.0mm	1	LF	\$110.50
24" x 10.5mm	1	LF	\$125.00
27" x 10.5mm	1	LF	\$127.50
30" x 12.0mm	1	LF	\$130.00
33" x 12.0mm	1	LF	\$132.50
36" x 12.0mm	1	LF	\$135.00
42" x 13.5mm	1	LF	\$287.85
48" x 15.0mm	1	LF	\$412.00
54" x 18.0mm	1	LF	\$543.50
6" & 8" Additional 1.5mm	1	LF	\$1.00
10" & 12" Additional 1.5mm	1	LF	\$2.00
15" & 18" Additional 1.5mm	1	LF	\$10.00
21" & 24" Additional 1.5mm	1	LF	\$15.00
27" Additional 1.5mm	1	LF	\$25.00
30" Additional 1.5mm	1	LF	\$25.00
33" Additional 1.5mm	1	LF	\$30.00
36" Additional 1.5mm	1	LF	\$30.00
42" Additional 1.5mm	1	LF	\$40.00

48" Additional 1.5mm	1	LF	\$50.00
54" Additional 1.5mm	1	LF	\$60.00
6" - 10" Backyard Easement Setup Per Install Length	1	LF	\$4.00
12" - 18" Backyard Easement Setup Per Install Length	1	LF	\$10.00
Timber Matting for Large Diameter Setup	1	SY	\$20.00
Internal Reconnection of service connection by robotic cutter	1	EA	\$300.00
Sealing of service connection w/chemical grouting after internal reconnection, minimum quantity of 15 to be completed per mobilization.	1	EA	\$450.00

Note: Any CIPP over 54" diameter will be on an individual quote basis.

Part 2 - Clean/TV & Evaluation for Gravity Sewers associated with CIPP installation

6" - 12" Clean & TV sewer	1	LF	\$5.50
15" - 21" Clean & TV sewer	1	LF	\$11.25
24" - 33" Clean & TV sewer	1	LF	\$19.75
36" & 42" Clean & TV sewer	1	LF	\$30.50
48" & 54" Clean & TV sewer	1	LF	\$60.00
6" - 15" Post TV Inspection after Rehabilitation	1	LF	\$2.50
18" - 27" Post TV Inspection after Rehabilitation	1	LF	\$4.00
30" or Larger Post TV Inspection after Rehabilitation	1	LF	\$5.50
Re-setup for clean & TV Inspection Due to Point Repairs	1	EA	\$350.00
Root Removal (added to Clean & TV price)	1	LF	\$5.00
Grease Removal (Added to Clean & TV price)	1	LF	\$5.00
Other Remote Obstruction Removal (max. 10 LF)	1	EA	\$1,375.00
Sanitary Sewer Debris Removal/Disposal	1	TON	\$100.00
Above Ground Physical Inspection	1	LF	\$4.00

Part 3 - Bypass pumping system for gravity sewers

Set Up 4" Pump (Per Pump)	1	EA	\$455.00
Set Up 6" Pump (Per Pump)	1	EA	\$1,060.00
Set Up 8" Pump (Per Pump)	1	EA	\$1,515.00
Set Up 12" Pump (Per Pump)	1	EA	\$2,675.00
Set Up 4" Piping	1	LF	\$37.50
Set Up 6" Piping	1	LF	\$46.50
Set Up 8" Piping	1	LF	\$80.00
Set up 12" Piping	1	LF	\$110.00
Set up 18" Piping	1	LF	\$135.00
Operate 4" Pumping System	1	DAY	\$95.00
Operate 6" Pumping System	1	DAY	\$715.00
Operate 8" Pumping System	1	DAY	\$1,145.00
Operate 12" Pumping System	1	DAY	\$1,845.00
Bypass Pumping - Lg Diam Install Projects (30" to 54")	1	LF	\$75.00
Bypass - Driveway Ramp (Setup, Operate, Maintain)	1	EA	\$465.00
Bypass - Street Ramp (Setup, Operate, Maintain)	1	EA	\$465.00
Bypass - Street Trenching for 8" Pipe (Setup, Operate, Maintain)	1	LF	\$68.00
Bypass - Street Trenching for 12" Pipe (Setup, Operate, Maintain)	1	LF	\$91.00
Bypass - Street Trenching for 18" Pipe (Setup, Operate, Maintain)	1	LF	\$113.50
Bypass Plan (3rd Party Certified)	1	EA	\$2,170.00

Section B: CIPP renewal of Potable Water Mains & Pressure Pipes

6" diameter liner	1	LF	\$150.00
8" diameter liner	1	LF	\$200.00
10" diameter liner	1	LF	\$250.00
12" diameter liner	1	LF	\$300.00
14" diameter liner	1	LF	\$350.00
16" diameter liner	1	LF	\$400.00
18" diameter liner	1	LF	\$450.00
20" diameter liner	1	LF	\$500.00

24" diameter liner	1	LF	\$600.00
Re-opening of service connections internally (6" to 12" host pipes only)	1	EA	\$500.00
Setup fee per liner installation	1	EA	\$3,500.00
For any pits required refer to "Installation and Valve, Hydrant or Service Connection Pits" in Section C			

Section C: Pipe Bursting with HDPE for Sewer Lines

HDPE DR 19			
6-inch diameter	1	LF	\$35.50
8-inch diameter	1	LF	\$40.50
10-inch diameter	1	LF	\$45.50
12-inch diameter	1	LF	\$50.50
14-inch diameter	1	LF	\$72.50
16-inch diameter	1	LF	\$93.00
18-inch diameter	1	LF	\$115.00
20-inch diameter	1	LF	\$139.00
Setup fee per Pipe Bursting segment	1	EA	\$2,000.00

Manhole Connections

6-inch	1	EA	\$150.00
8-inch	1	EA	\$200.00
10-inch	1	EA	\$250.00
12-inch	1	EA	\$300.00
14-inch	1	EA	\$350.00
16-inch	1	EA	\$400.00
18-inch	1	EA	\$450.00
20-inch	1	EA	\$500.00

Installation and Valve, Hydrant or Service Connection Pits (add Fittings, etc. cost from Section H)

6 - 12 inch pipe connection			
a) 0-4 feet deep	1	EA	\$3,500.00
b) 4-6 feet deep	1	EA	\$5,500.00
c) 6-10 feet deep	1	EA	\$7,500.00

Clean-out Installation

4-inch	1	EA	\$375.00
6-inch	1	EA	\$475.00
For any pits required refer to "Installation and Valve, Hydrant or Service Connection Pits" above			

Sewer Lateral Pipe Bursting

4-inch	1	LF	\$31.25
6-inch	1	LF	\$35.50
For any pits required refer to "Installation and Valve, Hydrant or Service Connection Pits" above			

Pipe fusing - applicable to all Polyethylene processes listed on this contract (typically 50 foot joints)

Setup fee per pull segment	1	Per Segment	\$2,500.00
6 thru 12 inch	1	Per Pipe Joint	\$400.00
13 thru 18 inch	1	Per Pipe Joint	\$575.00
20 thru 24 inch	1	Per Pipe Joint	\$950.00
30 thru 42 inch	1	Per Pipe Joint	\$1,800.00
43 thru 48 inch	1	Per Pipe Joint	\$2,800.00

Section D: Polyethylene (PE) Sewer Pipe Sliplining

PE Pipe DR 22.5			
4-inch	1	LF	\$25.25
6-inch	1	LF	\$30.25
8-inch	1	LF	\$35.50
10-inch	1	LF	\$40.50
12-inch	1	LF	\$45.50
Installation Equipment Setup Fee per pipe liner segment insertion	1	EA	\$7,500.00
Annular Space - Grouting	1	CY	\$303.00
For access pits required refer to "Installation and Valve, Hydrant or Service Connection pits" in Section C			

Section E: Manhole and Structure Rehabilitation

Manhole Rehabilitation (std 4-ft diameter) - 1-inch Portland-based cementitious	1	VF	\$172.50
Manhole Rehabilitation (std 5-ft diameter) - 1-inch Portland-based cementitious	1	VF	\$184.00
Manhole Rehabilitation (std 6-ft diameter) - 1-inch Portland-based cementitious	1	VF	\$195.50
Manhole Rehabilitation (std 4-ft diameter) - 1-inch Calcium-aluminate-based cementitious	1	VF	\$230.00
Manhole Rehabilitation (std 5-ft diameter) - 1-inch Calcium-aluminate-based cementitious	1	VF	\$264.50
Manhole Rehabilitation (std 6-ft diameter) - 1-inch Calcium-aluminate-based cementitious	1	VF	\$299.00
Manhole Rehabilitation (std 4-ft diameter) - 125 mil Epoxy/Polyurea	1	VF	\$345.00
Manhole Rehabilitation (std 5-ft diameter) - 125 mil Epoxy/Polyurea	1	VF	\$402.50
Manhole Rehabilitation (std 6-ft diameter) - 125 mil Epoxy/Polyurea	1	VF	\$460.00
Manhole Rehabilitation (std 4-ft diameter) - 1-inch Geopolymer liner	1	VF	\$460.00
Manhole Rehabilitation (std 5-ft diameter) - 1-inch Geopolymer liner	1	VF	\$517.50
Manhole Rehabilitation (std 6-ft diameter) - 1-inch Geopolymer liner	1	VF	\$575.00
Manhole Rehabilitation (std 4-ft diameter) - Composite - 1" cementitious + 125 mils Epoxy/Polyurea	1	VF	\$690.00
Manhole Rehabilitation (std 5-ft diameter) - Composite - 1" cementitious + 125 mils Epoxy/Polyurea	1	VF	\$747.50
Manhole Rehabilitation (std 6-ft diameter) - Composite - 1" cementitious + 125 mils Epoxy/Polyurea	1	VF	\$805.00
Rebuild Bench and Invert	1	EA	\$1,150.00
Lift/Pump Station Rehab - 125 mils Epoxy/Polyurea	1	SF	\$92.00
Lift/Pump Station Rehab - Composite - 1" cementitious + 125 mils Epoxy/Polyurea	1	SF	\$201.25
Lift/Pump Station Rehab - Composite - each additional 1/2 inch cementitious liner	1	SF	\$28.75
Lift/Pump Station Rehab - 1" Geopolymer liner	1	SF	\$166.75
Lift/Pump Station Rehab - Geopolymer liner each additional 1/2 inch	1	SF	\$46.00
WWTP Structure Rehab - 125 mil Epoxy/Polyurea	1	SF	\$92.00
WWTP Structure Rehab - Composite - 1" Cementitious + 125 mils Epoxy/Polyurea	1	SF	\$201.25
WWTP Structure Rehab - Composite - each additional 1/2 inch cementitious liner	1	SF	\$28.75
WWTP Structure Rehab - 1" Geopolymer liner	1	SF	\$166.75
WWTP Structure Rehab - Geopolymer liner each additional 1/2 inch	1	SF	\$46.00
Vacuum Test Manhole (12" mainline and smaller)	1	EA	\$460.00
Holiday Test Manhole (Epoxy only)	1	EA	\$460.00
Sewer Structure Rehab (non-circular or manholes greater than 4-ft diameter) - 1" cementitious	1	SF	\$40.25
Sewer Structure Rehab (non-circular or manholes greater than 4-ft diameter) - Epoxy/Polyurea	1	SF	\$92.00
Sewer Structure Rehab (non-circular or manholes greater than 4-ft diameter) - 1" Geopolymer	1	SF	\$166.75
Installation of FRP rehab structures up to 6' depth (std 4' diameter)	1	EA	\$2,070.00
Additional depth for FRP rehab structures (std 4' diameter)	1	VF	\$460.00
All sizes installation of Manhole Chimney Seal	1	EA	\$634.80
New manhole frame and cover - 24"	1	EA	\$977.50
New manhole frame and cover - 32"	1	EA	\$1,725.00
Adjust manhole frame and cover up to 1 ft	1	EA	\$1,092.50
Adjust manhole frame and cover over 1 ft	1	VF	\$575.00
Invert installation - 4' diameter	1	EA	\$1,610.00
Invert installation - 5' diameter	1	EA	\$1,725.00
Invert installation - 6' diameter	1	EA	\$1,955.00
Invert installation - other configurations	1	SF	\$2,875.00
Grouting of heavy infiltration to facilitate manhole rehab	1	EA MH	\$1,515.00

Section F: Gravity Sewer CIPP Lateral Renewal Systems

4"-6" internal installation and cure of lateral liner with full wrap connection up to 20" from main	1	EA	\$2,250.00
4"-6" Internal installation of lateral liner with top hat connection up to 5' from main <15" dia - No cleanout required	1	EA	\$3,200.00
4"-6" Internal installation and cure of top hat shaped structure up to 20' from main <15" dia - Cleanout required	1	EA	\$5,000.00
4"-6" Installation and cure of structural lateral liner from main beyond 20' from main <15" dia	1	LF	\$60.00
4"-6" Installation and cure of structural lateral liner from surface clean out to main	1	LF	\$150.00
4"-6" Set-up charge per line section for installations of <20 total laterals per project	1	EA	\$2,000.00
4"-6" installation of a surface cleanout or access pit for Items #2 & #4	1	EA	\$3,000.00

Section G: Spin Cast Geopolymer Pipe Lining for Sanitary and Storm Sewer Lines

30" Storm Pipe - QLS Rehabilitation - 1." Thickness	1	LF	\$517.50
36" Storm Pipe - QLS Rehabilitation - 1." Thickness	1	LF	\$368.00
42" Storm Pipe - QLS Rehabilitation - 1." Thickness	1	LF	\$402.50
48" Storm Pipe - QLS Rehabilitation - 1." Thickness	1	LF	\$465.75
54" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$546.25
60" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$661.25
66" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$822.25
72" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$977.50
78" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,063.75
84" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,236.25
90" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,380.00
96" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,725.00
102" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$2,070.00
108" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$2,645.00
Greater than 108" Storm Pipe - QLS Rehabilitation - 1.5" Thickness	1	LF	\$3,105.00
Non-Circular Sewer Pipe/Tunnel	1	SF	\$51.75
30" Sanitary Sewer - QLS Rehabilitation - 1." Thickness	1	LF	\$517.50
36" Sanitary Sewer - QLS Rehabilitation - 1." Thickness	1	LF	\$368.00
42" Sanitary Sewer - QLS Rehabilitation - 1." Thickness	1	LF	\$402.50
48" Sanitary Sewer - QLS Rehabilitation - 1" Thickness	1	LF	\$465.75
54" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$546.25
60" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$661.25
66" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$822.25
72" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$977.50
78" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,063.75
84" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,236.25
90" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,380.00
96" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$1,725.00
102" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$2,070.00
108" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$2,645.00
Greater than 108" Sanitary Sewer - QLS Rehabilitation - 1.5" Thickness	1	LF	\$3,105.00
Each Additional .5" Thickness	1	SF	\$13.80
Reinforcement with Welded Wire Fabric- 4X4W4	1	SF(of WWF)	\$17.25
Reinforcement with Rebar #3	1	LF(of Rebar)	\$11.50
Reinforcement with Rebar #4	1	LF(of Rebar)	\$23.00
Reinforcement with Rebar #5	1	LF(of Rebar)	\$46.00
Infiltration Control - Quad-Plug	1	GALLON	\$115.00
Infiltration Control - Quad-Plug	1	PAIL	\$57.50
Rebuild Invert	1	CF	\$86.25
Joint Preparation	1	LF	\$23.00
Antimicrobial Application	1	SF	\$5.75
Channel Excavation	1	CY	\$57.50
Debris Removal	1	CY	\$74.75
Clearing and Grubbing	1	AC	\$5,175.00
Tree Removal (6" – 12")	1	EA	\$1,725.00
Tree Removal (13" – 23")	1	EA	\$2.00
Tree Removal (> 24")	1	EA	\$3,450.00
Rework Catchbasin Cover To Accept New Manhole Covers	1	EA	\$1,380.00
Service Lateral Reinstatement - Man Entry	1	EA	\$287.50

Section H: Additional Items which may apply to each section above

			*Pass Through Cost
Bonds and Insurance	1	LS	
*Bonds are a % and insurance is as quoted. These are a pass through cost.			
Pre-Construction Video	1	Day	\$1,000.00
Erosion Control	1	LF	\$1.50
Chemical Grouting	1	GAL	\$350.00
Maintenance Of Traffic (Residential/Non-DOT Regulated)			
a) Signage	1	Ea-Month	\$1,000.00
b) Flagmen	1	HR	\$45.50
c) Arrow Board	1	Day/EA	\$250.00
d) Traffic Control Plan (certified)	1	EA	\$2,500.00
Excavation/Backfill			
a) 0-4 feet deep	1	Cubic Ft	\$2.00
b) 4-6 feet deep	1	Cubic Ft	\$3.00
c) 6-10 feet deep	1	Cubic Ft	\$4.00
d) over 10 feet deep refer to Section M			
Install PVC Sewer Piping			
8" - 12"	1	LF	\$150.00
15" - 21"	1	LF	\$250.00
24" - 30"	1	LF	\$350.00
Electrofuse Couplings			
10-inch	1	EA	\$1,500.00
12-inch	1	EA	\$1,675.00
14-inch	1	EA	\$2,200.00
18-inch	1	EA	\$3,675.00
20-inch	1	EA	\$6,050.00
24-inch and larger price based on Section M time and material cost plus basis			
Poly flanges with Backup rings (bolts not included)			
10-inch	1	EA	\$1,100.00
12-inch	1	EA	\$1,150.00
14-inch	1	EA	\$1,650.00
18-inch	1	EA	\$2,350.00
20-inch	1	EA	\$2,675.00
24-inch and larger price based on Section M time and material cost plus basis			
Poly MJ Adapters with Backup rings (bolts not included)			
10-inch	1	EA	\$1,100.00
12-inch	1	EA	\$1,150.00
14-inch	1	EA	\$1,650.00
18-inch	1	EA	\$2,350.00
20-inch	1	EA	\$2,675.00
24-inch and larger price based on Section M time and material cost plus basis			
S.S. HDPE pipe stiffeners			
10-inch	1	EA	\$850.00
12-inch	1	EA	\$915.00
14-inch	1	EA	\$1,125.00
18-inch	1	EA	\$1,775.00
20-inch	1	EA	\$2,650.00
24-inch and larger price based on Section M time and material cost plus basis			

Ductile Iron 90/45/22.5 degree elbows/fittings (bolts not included)

12"	1	EA	\$2,500.00
14"	1	EA	\$3,500.00
18"	1	EA	\$7,500.00
20"	1	EA	\$10,000.00
24"	1	EA	\$15,000.00

Mega Lugs

12"	1	EA	\$1,500.00
14"	1	EA	\$3,500.00
18"	1	EA	\$7,500.00
20"	1	EA	\$10,000.00
24"	1	EA	\$15,000.00

Sleeves

12"	1	EA	\$1,050.00
14"	1	EA	\$1,350.00
18"	1	EA	\$1,950.00
20"	1	EA	\$2,250.00

24-inch and larger price based on **Section I**, time and material cost plus basis

Trench Shoring

a) 4-6 feet deep	1	LFTrench/week	\$5.00
b) 6-10 feet deep	1	LFTrench/week	\$10.00
c) over 10 feet deep refer to section M			

Surface Restoration

a) Sod	1	SY	\$18.00
b) 4-inch concrete	1	SY	\$72.00
c) 6-inch concrete	1	SY	\$108.00
d) 8-inch concrete	1	SY	\$126.00
e) 2-inch asphalt	1	SY	\$36.00
f) 3-inch asphalt	1	SY	\$54.00
g) 2.5-inch asphalt concrete	1	SY	\$54.00
h) Curb	1	LF	\$25.00

Material extras

a) Lime Rock	1	Ton	\$35.00
b) 57/Washed Stone	1	Ton	\$30.00
c) Imported Sand	1	Ton	\$25.00
d) Gravel	1	Ton	\$30.00

To further clarify Section A: Cured-in-place pipe (CIPP) reconstruction of gravity sewers **Part 1 - Installation – Items 1-12 (6” to 36” CIPP)** below is a list of inclusions and exclusions for CIPP work orders:

INCLUSIONS

- Pipeline cleaning, measuring of pipe and diameter, televising, and service connection identification via CCTV.
- Bypass Pumping for 8”- 24” pipe (up to a 4 inch pump).
- CIPP Installation, curing, and end cutting per ASTM F-1216 latest revision.
- Live service connection reinstatement. Only capped services will not be cut.
- CCTV Acceptance Inspection.
- Traffic Control.
- Price includes one mobilization per work order.
- Performance and Payment Bonds per work order.

EXCLUSIONS:

- Emergency Work to be priced separately.
- Bypass over 24” pipe or for situations where pumping needs exceed a 4 Inch pump, bypass will be priced as a separate item (extra).
- Point Repairs
- Heavy Cleaning (concrete/brick removal, cutting hanging gaskets/rebar, etc.)

NOTES:

~~This pricing is valid for work orders totaling a minimum of \$125,000 each.~~

This proposal assumes that the pipe can be lined without excavation (point repairs excluded). In the event that after pre-cleaning/CCTV inspection an obstruction is found that will impede the lining, the necessary repair(s), cleaning/CCTV pre and post repair, and additional mobilization (if necessary) may be negotiated with the City of St. Joseph.

Thank for the opportunity to provide this pricing through the collective bargaining agreement, which you are a member. We value the relationship that we have with you and we look forward to continuing that working relationship for many years to come.

Sincerely,
SAK Construction, LLC

Cary C. Shaw

Cary Shaw
Business Development CIPP – Central Region

Accepted By

Date

Printed Name

Title



636.385.1000 *tel*
 636.385.1100 *fax*
 864 Hoff Road
 O'Fallon, MO 63366
www.sakcon.com

July 21, 2022

City of Riverside
2950 NW Vivion Road
Riverside, MO 64150

Re: Riverside, MO – 2022 CIPP

Noel Bennion:

SAK Construction, LLC is pleased to offer the following quotation on the above referenced project per City of St. Joseph, MO terms:

Item	Description	Diameter	Quantity	Unit Price	Total Price
1	CCTV Pre-CIPP Investigation, 15"-21" Pipe	15"-21"	448 LF	\$11.25	\$5,040.00
2	Cured-in-Place Pipe, 15" diameter	15"	204 LF	\$149.00	\$30,396.00
3	Cured-in-Place Pipe, 18" diameter	18"	244 LF	\$205.00	\$50,020.00
4	CCTV Post Inspection, 6" - 15" Pipe	6"-15"	204 LF	\$2.50	\$510.00
5	CCTV Post Inspection, 18" - 27" Pipe	18"-27"	244 LF	\$4.00	\$976.00
Total					\$86,942.00

Payment Bond = \$1,304.13

INCLUSIONS:

TOTAL = \$88,246.13

- Normal pipeline cleaning, measuring of pipe and diameter, and televising.
- CIPP Installation, curing, and end cutting per ASTM F-1216 latest revision.
- Live service connection reinstatement. Only capped services will not be cut.
- CCTV Acceptance Inspection.
- Traffic Control.
- Price includes one mobilization.

EXCLUSIONS:

- Grouting of voids in pipe, if necessary, prior to CIPP lining.
- Removal/Trimming of protruding taps, hanging gaskets, etc.
- Any special insurance required, i.e., railroad protective insurance.
- Heavy Traffic Control, Traffic Control Plans, Flaggers, and Arrow Boards.
- Access into the site. We will need access for our equipment.
- Point repairs.
- Permits.
- Performance and Payment Bonds (Add 1.5% if bonding is needed).

NOTE:

This proposal assumes that the pipe can be lined without excavation (point repairs excluded). In the event that after pre-cleaning/CCTV inspection an obstruction is found that will impede the lining, the necessary repair(s), cleaning/CCTV pre and post repair, and additional mobilization (if necessary) may be negotiated with the Prime Contractor/Owner.

This proposal and its unit prices assume that the lengths of each pipe segments provided are accurate. If the actual length of a segment to be lined is more than 10% less than given, the price of that segment may be negotiated with the Prime Contractor/Owner at a higher unit price or lump sum.

PAYMENT TERMS:

- Net 30 days after receipt of an invoice
- Partial monthly payments will be requested
- Final Payment in full within 30 days of completion of SAK work

Thank you for the opportunity to quote on this project. Please call with any questions.

Sincerely,
SAK Construction, LLC

Tim Bussen
Tim Bussen
General Manager – Central Region

Accepted By
Printed Name:
Title:

Date

AFFIDAVIT for WORK AUTHORIZATION

(as required by Section 285.530, Revised Statutes of Missouri)

As used in this Affidavit, the following terms shall have the following meanings:

EMPLOYEE: Any person performing work or service of any kind or character for hire within the State of Missouri.

FEDERAL WORK AUTHORIZATION PROGRAM: Any of the electronic verification of work authorization programs operated by the United States Department of Homeland Security or an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, under the Immigration Reform and Control Act of 1986 (IRCA), P.L. 99-603.

KNOWINGLY: A person acts knowingly or with knowledge,
(a) with respect to the person’s conduct or to attendant circumstances when the person is aware of the nature of the person’s conduct or that those circumstances exist; or
(b) with respect to a result of the person’s conduct when the person is aware that the person’s conduct is practically certain to cause that result.

UNAUTHORIZED ALIEN: An alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. 1324a(h)(3).

State of _____)

County of _____) ss:

BEFORE ME, the undersigned notary, personally appeared _____, who, being duly sworn, states on his/her oath or affirmation as follows:

1. My name is _____ and I am currently the _____ of _____ (hereinafter “Contractor”), whose business address is _____, and I am authorized to make this Affidavit.

2. I am of sound mind and capable of making this Affidavit, and am personally acquainted with the facts stated herein.

3. Contractor is enrolled in and participates in a federal work authorization program with respect to the employees working in connection with the following services contracted between Contractor and the City of Riverside: **2022 INDIAN HILLS CIPP PROJECT (Project No. 153-025)**.

4. Contractor does not knowingly employ any person who is an unauthorized alien in connection with the contracted services set forth above.

5. Attached hereto is documentation affirming Contractor’s enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services.

Further, Affiant sayeth not.

Signature of Affiant

Printed Name: _____

Subscribed and sworn to before me this _____ day of _____, 20__.

Notary Public

***PLEASE NOTE:** Acceptable enrollment and participation documentation consists of the following 2 pages of the E-Verify Memorandum of Understanding: (1) a valid, completed copy of the first page identifying the Contractor; and (2) a valid copy of the signature page completed and signed by the Contractor, and the Department of Homeland Security – Verification.

**AGREEMENT
BETWEEN
CITY OF RIVERSIDE, MISSOURI AND**

Contractor: _____

**FOR
COMPLETION OF
2022 INDIAN HILLS CIPP PROJECT**

Project No. 153-025

ORDINANCE / RESOLUTION NO.: _____

CONTRACT PRICE: \$88,246.13 _____

AGREEMENT BETWEEN CITY OF RIVERSIDE AND CONTRACTOR

2022 INDIAN HILLS CIPP PROJECT

Project No: 153-025

THIS AGREEMENT, made and entered into as of the 16th day of August, 2022, by and between the City of Riverside, Missouri (“City”), and SAK Construction, LLC (“Contractor”), shall govern all Work to be provided by Contractor for City on the Project.

WHEREAS, City, under the provisions of Resolution No. _____, duly approved on the 16th day of August, 2022 and by virtue of the authority vested in City by the general ordinances of City, intends to enter into one or more contracts for the Project; and

WHEREAS, the Mayor is authorized and empowered by City to execute contracts on behalf of City, and the City Administrator (“Administrator”) is authorized to perform Administrator’s functions set forth in this Agreement; and

WHEREAS, Administrator may designate one or more engineers, architects, or other persons to assist Administrator in performing Administrator’s functions under this Agreement; and

WHEREAS, City desires to enter into an agreement with Contractor to obtain labor, services, materials, supplies, tools, equipment, supervision, management, and other items as set forth in this Agreement; and

WHEREAS, Contractor represents that Contractor is equipped, competent, and able to provide all the Work, in accordance with this Agreement;

NOW THEREFORE, in consideration of the mutual covenants and consideration herein contained, IT IS HEREBY AGREED by City and Contractor as follows:

**ARTICLE I
DEFINITIONS**

As used in this Agreement and the other Contract Documents, the following words and phrases shall have the respective meanings set forth below. Any capitalized terms used but not defined in this Agreement shall have the meanings given to such terms in the other Contract Documents.

- A. “Administrator” has the meaning set forth in the recitals of this Agreement.
- B. “Application for Payment” has the meaning set forth in Article VI, Paragraph A of this Agreement.
- C. “City” has the meaning set forth in the preamble of this Agreement.

D. “Change Order” means a change to the Project, which has been approved in accordance with the terms of this Agreement, specifically including, without limitation, the requirements set forth in Article VII of this Agreement.

E. “Contract Amount” has the meaning set forth in Article III, Paragraph A of this Agreement.

F. “Contract Documents” has the meaning set forth in Article V, Paragraph A of this Agreement.

G. “Contractor” has the meaning set forth in the preamble of this Agreement.

H. “Notice to Proceed” has the meaning set forth in Article IV, Paragraph A of this Agreement.

I. “Project” means the building, facility, and/or other improvements for which Contractor is to provide Work under this Agreement. The Project may also include construction by City or others.

J. “Resident Project Representative” means the following employee of the City of Riverside who shall manage the Project on behalf of the City: Travis Hoover - thoover@riversidemo.gov 816-372-9004.

K. “Subcontractor” means a person, firm or corporation supplying labor and materials or only labor for the Work for, and under separate contract or agreement with, the Contractor.

L. “Substantial Completion” means the stage in the progress of the Work where the Work or designated portion is sufficiently complete in accordance with the Contract Documents so that the City can occupy or utilize the Work for its intended use.

M. “Work” or “Work on the Project” means work to be performed at the location of the Project, including the transportation of materials and supplies to or from the location of the Project by employees of the Contractor and any Subcontractor. Work shall include all labor, services, materials, supplies, tools, equipment, supervision, management, and anything else necessary to accomplish the results and objectives described in Exhibit C (Scope of Work) and Exhibit D (Technical Specifications) to this Agreement and the other Contract Documents, in full compliance with all requirements set forth in the Contract Documents, subject to additions, deletions, and other changes as provided for in this Agreement. The Work may refer to the whole Project, or only a part of the Project if work on the Project also is being performed by City or others.

ARTICLE II THE PROJECT AND THE WORK

A. Contractor shall provide and pay for all Work for the Project.

B. Contractor represents that it has evaluated and satisfied itself as to all conditions and limitations under which the Work is to be performed, including, without limitation, (1) the location, condition, layout, and nature of the Project site and surrounding areas, (2) generally prevailing climatic conditions, (3) labor supply and costs, and (4) availability and cost of materials, tools, and equipment. City shall not be required to make any adjustment in either the Contract Amount or the time for performance of the Work because of Contractor's failure to do so.

C. The Resident Project Representative shall act as the City's representative during the construction period, shall decide questions which may arise as the quality and acceptability of materials furnished and Work performed, and shall interpret the intent of the Contract Documents in a fair and unbiased manner. The Resident Project Representative may recommend, but cannot approve Change Orders resulting in an increase in time of performance or payments due to Contractor. The Resident Project Representative will make visits to the site and determine if the Work is proceeding in accordance with the Contract Documents. The Contractor will be held strictly to the intent of the Contract Documents in regard to the quality of materials, workmanship, and execution of the Work. Inspections may be at the factory or fabrication plant of the source of the material supply. The Resident Project Representative will not be responsible for the construction means, controls, techniques, sequences, procedures or construction safety.

D. Contractor may be furnished additional instructions and detail drawings by the Resident Project Representative, as necessary to carry out the Work required by the Contract Documents. The additional drawings and instructions thus supplied will become a part of the contract drawings, and the Contractor shall carry out the Work in accordance with the additional detail drawings and instructions.

ARTICLE III CONTRACT AMOUNT

A. Provided Contractor performs all Work in accordance with the Contract Documents and complies fully with each and every obligation of Contractor under the Contract Documents, City shall pay Contractor the sum of Eighty Eight Thousand Two Hundred Forty Six Dollars and Thirteen Cents (\$88,246.13). This amount shall include all costs, permit fees, profit, overhead, expenses, taxes, and compensation of every kind related to the Work, and shall be referred to as the "Contract Amount."

B. The Contract Amount is subject to final determination of Work performed at unit prices set forth in the Proposal completed by Contractor. The quantities of unit price Work set forth in Contractor's Proposal are estimates only, are not guaranteed, and are solely for the purpose of determining an initial Contract Amount. Unless otherwise stated elsewhere in the Contract Documents, (1) determination of the actual quantities and classifications of unit price Work performed will be made by City and (2) final payment for all unit price items set forth in Contractor's Proposal will be based on actual quantities as determined by City. The Contractor is responsible for verifying the unit quantities before excavation and/or installation at the Project site. Contractor shall identify and notify the City of any variance in unit quantities in excess of ten percent (10%) of the amount set forth in Contractor's Proposal IN ADVANCE

of performing the Work. Any increase in quantities of materials or Work performed as a result of over-excavation by Contractor will not be compensated.

C. Payment of the Contract Amount shall be full compensation for all labor, services, materials, supplies, tools, equipment, supervision, management, and anything else necessary to complete the respective items in place, in full compliance with all requirements set forth in the Contract Documents. All costs, permit fees, profit, overhead, expenses, taxes, and compensation of every kind related to the Work are included in the Contract Amount. No labor, services, materials, supplies, tools, equipment, supervision, management, or anything else required by the Contract Documents for the proper and successful completion of the Work shall be paid for outside of or in addition to the Contract Amount. The Work set forth in the Contract Amount shall be itemized in Contractor's Proposal. All Work not specifically set forth in Contractor's Proposal as a separate pay item is a subsidiary obligation of Contractor, and all costs, permit fees, profit, overhead, expenses, taxes and compensation of every kind in connection therewith are included in the Contract Amount set forth in Contractor's Proposal.

D. THIS AGREEMENT IS SUBJECT TO THE CITY ORDINANCES, AND PAYMENT SHALL BE LIMITED TO THE AMOUNT OF PARTICULAR APPROPRIATION FOR THE WORK BY THE BOARD OF ALDERMEN. THE TOTAL PAYMENT UNDER THIS AGREEMENT SHALL NOT EXCEED THE APPROPRIATION CONTAINED IN THE APPLICABLE RESOLUTIONS OR ORDINANCES ADOPTED BY THE BOARD OF ALDERMEN AUTHORIZING THE WORK AND CONTRACTOR SHALL NOT SEEK, NOR BE ENTITLED TO, PAYMENT EXCEEDING THIS AMOUNT UNLESS CITY DIRECTS CONTRACTOR TO PERFORM ADDITIONAL WORK IN ACCORDANCE WITH THIS AGREEMENT, AND CITY ENACTS ANOTHER RESOLUTION OR ORDINANCE AUTHORIZING THE AMOUNT CITY AGREES TO PAY UNDER THIS AGREEMENT.

ARTICLE IV PROGRESS OF WORK /SUBMITTALS

A. COMMENCEMENT OF WORK. The date of beginning and the time for completion of the Work are essential conditions of the Contract Documents. Contractor shall commence performance of the Work on the date indicated in a written notice ("Notice to Proceed") that shall be given by City to Contractor.

B. TIME FOR COMPLETION. Contractor shall achieve Substantial Completion, as defined in Article I hereof, no later than 11/01/2022. The Contractor will proceed with the Work at such rate of progress to ensure Substantial Completion within the contract time. It is expressly understood and agreed, by and between the Contractor and the City, that the contract time to achieve Substantial Completion of the Work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the Work. No extensions will be granted, except in case of unusual (unseasonable) weather conditions or additional work requested by the City under Change Order. Following Substantial Completion, Contractor shall proceed to complete all uncompleted Work items as promptly as permitted by weather conditions or any other conditions affecting completion of the Work.

C. TIME OF THE ESSENCE. Time is of the essence in the performance of the Work and any other Contractor obligations under the Contract Documents. Contractor shall upon commencement of construction work daily to complete the Work except for Saturdays, Sundays, holidays, and days of inclement weather. This Paragraph does not preclude Contractor from working Saturdays, Sundays, holidays, or days of inclement weather. Contractor shall give the City at least 48 hours notice if intending to work on Saturday, Sunday, holidays or days of impending inclement weather.

D. CONSTRUCTION SCHEDULE. Promptly after the execution of this Agreement, and in any event before commencing performance of the Work, Contractor shall submit to City for approval a construction schedule that specifies the dates on which Contractor plans to begin and complete various parts of the Work, including dates on which information and approvals are required from City. Upon City's written approval of the schedule, Contractor shall comply with it unless directed by City to do otherwise. Contractor shall update the schedule on a monthly basis or at more frequent appropriate intervals if required by the conditions of the Work and the Project. With each Application for Payment under Article VI of this Agreement, Contractor shall submit an updated, current schedule. Neither the original schedule nor any update shall exceed time limits for the entire Project under the Contract Documents.

E. PHOTOGRAPHS OF PROJECT. The Contractor shall furnish photographs of the Project site in the number, type, and stage as enumerated below:

1. Pre-Construction photos - minimum of 15 ground level digital shots
2. Construction photos of significant changes - minimum of 15 ground level digital shots
3. Post Construction photos - minimum of 15 ground level digital shots

F. DELAY IN PERFORMANCE. In the event the City determines that performance of the Work is not progressing as required by the Contract Documents or that the Work is being unnecessarily delayed or will not be finished within the prescribed time, the City may, in the City's sole discretion and in addition to any other right or remedy City may have, require Contractor, at Contractor's sole cost, to accelerate Contractor's progress. Such acceleration shall continue until the progress of the Work complies with the Contract Documents and clearly indicates that all Work will be completed within the prescribed time.

G. SUSPENSION OF WORK. The City may suspend the Work or any portion thereof for a period of not more than ninety (90) days or such further time as agreed upon by the Contractor, by written notice to the Contractor which shall fix the date on which Work shall be resumed. The Contractor will resume the Work on the date so fixed. The Contractor will be allowed an increase in the contract price or an extension of the contract time, or both, directly attributable to any suspension

H. DRAWINGS AND SPECIFICATIONS. The intent of the drawings and specifications is that the Contractor shall furnish all labor, materials, tools, equipment and transportation necessary for the proper execution of the Work in accordance with the Contract Documents and all incidental Work necessary to complete the Project in an acceptable manner, ready for use, occupancy or operation by the City. In case of conflict between the drawings

and specification, the specifications shall govern. Figure dimensions on drawings shall govern over general drawings. Any discrepancies found between the drawings and specifications and site conditions or any inconsistencies or ambiguities in the drawings or specifications shall be immediately reported to the Resident Project Representative in writing, who shall promptly correct such inconsistencies or ambiguities in writing. Work done by the Contractor after discovery of such discrepancies, inconsistencies or ambiguities shall be done at the Contractor's risk.

I. SHOP DRAWINGS. Contractor shall submit to Resident Project Representative for review all shop drawings, samples, product data, and similar submittals required by the Contract Documents. Contractor shall be responsible to City for the accuracy and conformity of its submittals to the Contract Documents. Shop drawings shall bear the Contractor's certification that it has reviewed, checked and approved the shop drawings and that they are in conformance with the requirements of the Contract Documents. Contractor shall prepare and deliver its submittals to City in a manner consistent with the construction schedule and in such time and sequence so as not to delay performance of the Work. Portions of the Work requiring a shop drawing or sample submission shall not begin until the shop drawing or submission has been reviewed by the Resident Project Representative. Review of any Contractor submittal shall not be deemed to authorize deviations, substitutions, or changes in the requirements of the Contract Documents unless express written approval is obtained from City specifically authorizing such deviation, substitution, or change. When submitted for the Resident Project Representative's review, any shop drawing which substantially deviates from the requirement of the Contract Documents shall be evidenced by a Change Order. If the Contract Documents do not contain submittal requirements pertaining to the Work, Contractor agrees upon request to submit in a timely fashion to City for review by Resident Project Representative any shop drawings, samples, product data, manufacturers' literature, or similar submittals as may reasonably be required by City. Contractor shall perform all Work strictly in accordance with approved submittals. Resident Project Representative's review does not relieve Contractor from responsibility for defective Work resulting from errors or omissions of any kind on the reviewed submittals. A copy of each shop drawing and each sample shall be kept in good order by the Contractor at the site and shall be available to the Resident Project Representative.

J. MATERIALS, SERVICES AND FACILITIES. It is understood that except as otherwise specifically stated in the Contract Documents, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, power, transportation, supervision, temporary construction of any nature, and all other services and facilities of any nature whatsoever necessary to execute, complete, and deliver the Work within the specified time. Materials and equipment shall be so stored as to insure the preservation of their quality and fitness for the Work. Stored materials and equipment to be incorporated in the Work shall be located so as to facilitate prompt inspection. Manufactured articles, materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned as directed by the manufacturer. Material, supplies and equipment shall be in accordance with samples submitted by the Contractor and approved by the Resident Project Representative. Materials, supplies or equipment to be incorporated into the Work shall not be purchased by the Contractor or by any Subcontractor subject to a chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller.

K. INSPECTION AND TESTING OF MATERIALS. All materials and equipment used in the construction of the Project shall be subject to adequate inspection and testing in accordance with generally accepted standards, as required and defined in the Contract Documents. The Contractor shall provide at the Contractor's expense the testing and inspection services required by the Contract Documents. The City shall provide all inspection and testing services not required by the Contract Documents. If the Contract Documents, laws, ordinances, rules, regulations or orders of any public authority having jurisdiction require any Work to specifically be inspected, tested or approved by someone other than the Contractor, the Contractor will give the Resident Project Representative timely notice of readiness. The Contractor will then furnish the Resident Project Representative the required certificates of inspection, testing approval. Inspections, tests or approvals by the Resident Project Representative or others shall not relieve the Contractor from the obligation to perform the Work in accordance with the requirements of the Contract Documents. The Resident Project Representative and the City's representatives will at all times have access to the Work. In addition, authorized representatives and agents of any participating Federal or State agency shall be permitted to inspect all Work, materials, payrolls, records or personnel, invoices of materials and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the Work and also for any inspection or testing thereof.

If any Work is covered prior to inspection by the Resident Project Representative it must, if requested by the Resident Project Representative, be uncovered for the Resident Project Representative's observation and replaced at the Contractor's expense. If the Resident Project Representative considers it necessary or advisable that covered Work be inspected or tested by others, the Contractor, at the Resident Project Representative's request, will uncover, expose or otherwise make available for observation, inspection or testing as the Resident Project Representative may require, that portion of the Work in question, furnishing all necessary labor, materials, tools and equipment.

L. CORRECTION OF WORK. The Contractor shall promptly remove from the Project site all Work rejected by the Resident Project Representative for failure to comply with the Contract Documents, whether incorporated in the construction or not, and the Contractor shall promptly replace and re-execute the Work in accordance with the Contract Documents and without expense to the City and shall bear the expense of making good all work of other contractors destroyed or damaged by such removal or replacement. All removal and replacement Work shall be done at the Contractor's expense. If the Contractor does not take action to remove such rejected Work within ten (10) days after receipt of written notice, the City may remove such Work and store the materials at the expense of the Contractor.

M. SUBSTITUTIONS. Whenever a material, article, or piece of equipment is identified on the drawings and specifications by referenced to brand name or catalog numbers, it shall be understood that this is referenced for the purpose of defining the performance or other salient requirements and that other products of equal capacities, quality and function shall be considered. The Contractor may recommend the substitution of material, article or piece of equipment of equal substance and function for those referred to in the Contract Documents by referenced to brand name or catalog number, if, in the opinion of the City, such material, article or piece of equipment is of equal substance function to that specified, the City may approve, in writing, its substitution and use by the Contractor. Any cost differential shall be deductible from the contract price and in such event the Contract Documents shall be

modified by Change Order. The Contractor warrants that if substitutes are approved, no major changes in the function or general design of the Project will result. Incidental changes or extra component parts required to accommodate the substitute will be made by the Contractor without a change in the contract price or contract time.

N. LANDS & RIGHT OF WAY. Prior to issuance of Notice to Proceed, the City shall obtain all lands and rights-of-way necessary for the carrying out and completion of Work to be performed pursuant to the Contract Documents, unless otherwise mutually agreed by the Contractor and City, in writing. The City shall provide to Contractor information which delineates and describes the lands owned and right of way acquired. The Contractor shall provide at its own expense and without liability to the City any additional land and access thereto that the Contractor may desire for temporary construction facilities, or for storage of materials.

O. SURVEYS, PERMITS AND REGULATIONS. The City shall furnish all boundary surveys and establish all base lines for locating the principal component parts of the Work together with a suitable number of benchmarks adjacent to the Work as shown in the Contract Documents. From the information provided by the City, unless otherwise specified in the Contract Documents, the Contractor shall develop and make all detail surveys needed for construction such as slope stakes, batter boards, stakes for pipe locations and other working points, lines, elevations and cut sheets.

The Contractor shall carefully preserve benchmarks, reference points and stakes and, in case of willful or careless destruction, shall be charged with the resulting expense and shall be responsible for any mistake that may be caused by their unnecessary loss or disturbance.

Permits and licenses of temporary nature necessary for the prosecution of the Work shall be secured and paid for by the Contractor unless otherwise stated in the supplemental general conditions. Permits, licenses and easements for permanent structures or permanent changes in existing facilities shall be secured and paid for by the City, unless otherwise specified. The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the Work as drawn and specified. If the Contractor observes that the Contract Documents are at variance therewith, the Contractor shall promptly notify the City in writing, and any necessary changes shall be adjusted as provided in Article VII changes in the Work.

P. SUBSURFACE CONDITIONS. The Contractor has the responsibility to become familiar with the Project site and the conditions under which Work will have to be performed during the construction period. Excavating for foundations of surface structure: buildings, bridges, tanks, towers, retaining walls and other types of surface structures. The Contractor shall promptly, and before such conditions are disturbed (excepting an emergency), notify the City by written notice of subsurface or latent physical conditions at the site differing materially from those indicated in the Contract Documents. Contractor shall also be required to notify City of any unknown physical conditions at the site of unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents at the location of the Project. The City shall investigate the conditions, and if it is found that such conditions do so materially differ and cause an

increase or decrease in the cost of, or in the time required for, performance of the Work, the Contract Documents may be modified by Change Order as provided in Article VII. Any claim of the Contractor for adjustment hereinafter shall not be allowed unless the required written notice has been given; provided that the City may, if the City determines the facts so justify consider and adjust any such claims asserted before the date of the final payment. Excavating for below-surface structures: water mains, storms, power and telephone cables and other types of below surface structures. No extra compensation will be paid for rock excavation or varying geologic features encountered on the Project, unless so shown in the Proposal. If man-made hazards are encountered by the Contractor, excluding utilities, which are not visible from the surface, such as buried concrete foundations, buried garbage dumps that cannot be by-passed and requires additional Work consult the Resident Project Representative.

Q. SUPERVISION BY CONTRACTOR. The Contractor will supervise and direct the Work. The Contractor will be solely responsible for the means, methods, techniques, sequences and procedures of construction. The Contractor will employ and maintain on the Work a qualified supervisor or superintendent who shall have been designated in writing by the Contractor or the Contractor's representative at the site. The supervisor shall have full authority to act on behalf of the Contractor and all communications given to the supervisor shall be a binding as if given to the Contractor. The supervisor shall be present on the site at all times as required to perform adequate supervision and coordination of the Work.

ARTICLE V CONTRACT DOCUMENTS

A. The following documents, and any other documents that are attached to, incorporated by reference into, or otherwise included in them, and all Change Orders, are hereby incorporated into this Agreement, and form the entire agreement between City and Contractor, and are referred to as the Contract Documents:

1. EXPERIENCE QUESTIONNAIRE
2. AFFIDAVIT OF WORK AUTHORIZATION
3. This AGREEMENT BETWEEN CITY OF RIVERSIDE AND CONTRACTOR
4. PAYMENT BOND
5. TIME FOR COMPLETION
6. SCOPE OF WORK
7. TECHNICAL SPECIFICATIONS
8. NOTICE TO PROCEED
9. APPLICATION FOR PAYMENT FORM
10. CHANGE ORDER FORM
11. CERTIFICATE FOR SUBSTANTIAL COMPLETION
12. CONTRACTOR AFFIDAVIT FOR FINAL PAYMENT
13. SUBCONTRACTOR AFFIDAVIT FOR FINAL PAYMENT

14. ENGINEER/CONSULTANT CERTIFICATE for Acceptance & Final Payment

B. Contractor represents that it has examined and become familiar with the Contract Documents in their entirety, that any and all ambiguities, inconsistencies, and conflicts observed by Contractor have been called to City's attention in writing and have been resolved in writing to Contractor's satisfaction. Except for actual conflict between provisions in the Contract Documents, making it impossible for Contractor to comply with all provisions of the Contract Documents, the Contract Documents shall be cumulative, and Contractor shall comply with all provisions of all Contract Documents. In case of actual conflict, Contractor shall notify City of the conflict in writing and then shall comply with such provisions of the Contract Documents as City directs.

**ARTICLE VI
PAYMENTS**

A. Prior to submitting its first application for payment in accordance with the terms hereof in substantially the form attached hereto as Exhibit F (an "Application for Payment"), Contractor shall provide City with a schedule of values dividing the Work, and the Contract Amount, into workable categories in a form acceptable to City. Each Application for Payment shall be based upon the percentage of actual completion of each category, multiplied by the dollar value of such category.

B. On or about the first day of Contractor's monthly accounting period, Contractor shall submit an Application for Payment to the Resident Project Representative. In addition to the amount of payment requested in the Application for Payment, each Application for Payment shall list the original Contract Amount, the amount Contractor has invoiced City to date, the amount Contractor has received to date, total additions to and deletions from the Contract Amount pursuant to approved Change Orders, and an itemization of any further additions to or deletions from the Contract Amount that Contractor claims. Contractor shall identify each Subcontractor and supplier whom Contractor intends to pay from the requested payment and shall state the amount Contractor intends to pay each such Subcontractor and supplier. An Application for Payment shall not include a request for payment for any portion of the Work that was performed or furnished by a Subcontractor or supplier if Contractor does not intend to pay such Subcontractor or supplier from such payment, nor shall the Application for Payment include a request for payment for any Work performed deemed unsatisfactory by City. Contractor shall include with each Application all supporting documentation as City may require. The City shall, within fifteen (15) days, review and approve such Application for Payment, or return the Application for Payment to the Contractor indicating in writing the reasons for refusing to approve payment. In the latter case, the Contractor may make the necessary corrections and resubmit the Application. Within fifteen (15) days of its receipt of payment from City, Contractor shall pay all Subcontractors and suppliers to whom payment is owed from the amount paid to Contractor.

C. All payments under this Agreement shall be made only upon the approval of Resident Project Representative and Administrator. Resident Project Representative shall review each Application for Payment and certify for payment such amounts as Resident Project Representative determines are due Contractor. From the total amount certified, City shall

withhold five percent (5%) as retainage until final completion and acceptance of the Work. The five percent (5%) retainage may be reduced by Change Order if final completion and acceptance of the Work is delayed due to unforeseen circumstances and the Work is usable for its intended purpose by the City. If reduction in the retainage is approved, the remaining retainage shall be an amount equal to or greater than 200% of the estimated amount necessary to complete the Work.

D. The City Treasurer, upon presentation of an Application for Payment, shall prepare a check for the sum certified to be due (exclusive of retainage), payable out of the funds in the City Treasury available for Contractor under the authorizing Resolution or Ordinance approved by the Board of Aldermen. Payment shall be made to Contractor after the Board of Aldermen review and approve the payment and authorize the Mayor and City Treasurer to sign and deliver the check.

E. Neither Administrator or Resident Project Representative's approval certificate nor payment made to Contractor shall constitute acceptance of any part of the Work. Contractor shall remain obligated to perform all Work in accordance with the Contract Documents.

F. With each Application for Payment, Contractor shall submit a signed certificate of receipt of prior payments and release of claims and rights in connection with prior payments, in a form approved by City. City may, at its option, also require a similar receipt and release of claims and rights from each Subcontractor or supplier performing any Work, prior to making any payment to Contractor. The Subcontractors' and suppliers' receipts and releases shall be in a form approved by City and shall indicate that (except for retainage) all debts for Work performed or materials supplied included on any previous Application for Payment to City from Contractor have been satisfied and that the Subcontractor or supplier waives and releases any and all claims or rights in connection therewith.

G. Contractor shall not be entitled to final payment for the Work until Contractor submits a final Application for Payment, all requirements of the Contract Documents are complied with, and Resident Project Representative issues his or her certificate to that effect. The Engineer's Certificate of Acceptance will be on the form attached hereto as Exhibit K. City, within thirty (30) days after the delivery of Engineer's Certificate of Acceptance, shall pay Contractor all remaining funds which Contractor is due under this Agreement.

H. Acceptance of final payment by Contractor shall release City from all further obligations to Contractor, except as to such amounts, if any, Contractor has identified in its final Application for Payment as claimed by Contractor. All claims not identified in the final Application for Payment are waived. Any payment, however final or otherwise, shall not release the Contractor or its sureties from any obligations under the Contract Documents or the Payment Bond.

I. City may withhold final or any other payment to Contractor on any reasonable basis, including but not limited to the following:

1. Unsatisfactory job progress,
2. Defective Work,

3. Failure to make payments to Subcontractors or suppliers,
4. Reasonable evidence that all Work cannot be completed for the unpaid balance of the Contract Amount,
5. Damage by Contractor or Subcontractors or suppliers to property of City or others,
6. Contractor's breach of this Agreement, or
7. Contractor's failure to provide requested documentation.

J. The Contractor shall, at the request of City, furnish satisfactory evidence that all obligations to Subcontractors, laborers, workmen, mechanics, materialmen and furnishers of machinery and parts thereof, equipment, tools and all supplies incurred in the furtherance of the performance of the Work have been paid, discharged or waived. If Contractor does not pay Subcontractors or suppliers for labor and/or material properly provided, City may, but shall not be required to, pay Subcontractors and suppliers directly. Any payments made to Subcontractors and suppliers shall be charged against the Contract Amount. City shall not be liable to Contractor for any such payments made in good faith. This provision shall not confer any right upon any Subcontractor or supplier to seek payment directly from City.

K. Notwithstanding any other provision for payment contained herein, in the event the Missouri Department of Labor and Industrial Relations has determined that a violation of Section 292.675 RSMo has occurred and that a penalty shall be assessed, the City shall withhold and retain all sums and amounts due and owing when making payments to Contractor under this Agreement.

ARTICLE VII CHANGES/CLAIMS

A. City, without invalidating this Agreement, may at any time and without notice to any surety, order additions to, deletions from, or other changes to the Work. Upon receipt of such an order, in writing, Contractor shall proceed as and when directed in the order. Contractor shall not proceed with any addition, deletion, or other change without a written order. No oral direction or order shall constitute authority for Contractor to proceed with any addition, deletion, or other change. If Contractor undertakes any addition, deletion, or other change without a written order from City, Contractor shall not be entitled to any increase in the Contract Amount or the time for performance of the Work, and Contractor shall be solely and completely responsible for the acceptability to City of the addition, deletion, or other change.

B. If a change to the Work causes a net increase or decrease in the cost of Contractor's performance, the Contract Amount shall be increased or decreased as follows:

1. If the Work is covered by unit prices set forth in Contractor's Proposal, by application of such unit prices to the quantities of the items involved; or

2. If the Work involved is not covered by unit prices set forth in Contractor's Proposal, by a lump sum as to which Contractor and City mutually agree prior to the commencement of performance of the change.

C. If a change to the Work causes an increase or decrease in the time required for Contractor's performance, an equitable adjustment to the time for performance shall be made.

D. A change in the Contract Amount or the time for performance of the Work shall be accomplished only by written Change Order, which shall state the increase or decrease, if any, in the Contract Amount or the time for performance. No course of conduct or dealings between the parties, nor express or implied acceptance of alterations or additions to the Work, and no claim that City has been unjustly enriched by any alteration or addition to the Work, whether or not there is, in fact, any such enrichment, shall be the basis of any claim to an increase in any amounts due under the Contract Documents or a change in the time for performance of the Work.

E. Agreement on any Change Order shall constitute a final settlement of all matters relating to the change in the Work that is the subject of the Change Order, including but not limited to all direct and indirect costs associated with such change and any and all adjustments to the Contract Amount and time for performance of the Work.

F. If Contractor is delayed or interfered with at any time in the commencement or prosecution of the Work by an act or neglect of City, an employee, officer, or agent of City, or an architect or engineer or separate contractor engaged by or on behalf of City, or by changes ordered in the Work, an act of God, fire, or other cause over which Contractor has no control and that Contractor could not reasonably anticipate, the time for performance of the Work shall be equitably extended, provided that Contractor gives notice as provided for in Paragraph G below.

G. Any claim by Contractor for additional time or money for the performance of the Work, including but not limited to any claim based on or arising out of an addition to, deletion from, or other change to the Work and/or delay to or interference with commencement or prosecution of any of the Work, shall be submitted to City's designated representative within five (5) working days of the beginning of the event for which the claim is made or on which it is based. If any claim is not submitted within the five-day period, it shall be deemed waived.

H. No change or claim, nor any delay or dispute concerning the determination of any increase or decrease in the amount of time and money for the performance of the Work, shall excuse Contractor from proceeding with prosecution of the Work, including any Work as changed.

ARTICLE VIII INSURANCE

A. Contractor shall, at all times during the performance of any of the Work, maintain not less than the following insurance coverages and amounts:

- Bodily injury by accident \$1,000,000.00
- Bodily injury by disease \$500,000.00 each employee

B. All insurance shall be written by an insurer or insurers acceptable to City and with a minimum financial rating not lower than “A-” in Best’s Insurance Guide, latest edition. All insurance shall be written on an occurrence basis, and all aggregate limits shall apply in total to the Work only. Each policy providing general liability coverage or automobile liability coverage (including any umbrella or excess policy that provides any required general or automobile liability coverage) shall provide contractual liability coverage for all indemnity obligations of Contractor under the Contract Documents. Each policy providing general liability or automobile liability coverage (including any umbrella or excess policy that provides any required general or automobile liability coverage) shall, in form satisfactory to City, (1) name as additional insureds City, its employees, officers, and agents, and any architects, engineers, or other design professionals engaged by or on behalf of City, and (2) provide that it is primary to any other insurance maintained by any additional insured, which other insurance shall be excess or contingent. The insurance provided to the additional insureds shall apply, without limitation, to injury or damage caused by Work included in the products/completed operations hazard.

C. Contractor shall maintain the products and completed operations coverage for not less than one (1) year after the date of final acceptance by City of all of Contractor’s Work.

D. Contractor shall obtain property insurance upon the entire Work for the full cost of replacement at the time of loss. This insurance shall list as named insureds City, Contractor, Subcontractors, and suppliers. This insurance shall be written as a Builder’s Risk/Installation Floater “all risk” or equivalent form to cover all risks of physical loss except those specifically excluded by the policy and shall insure at least against the perils of fire, lightning, explosion, wind storm, hail, smoke, aircraft and vehicles, riot and civil commotion, theft, vandalism, malicious mischief, debris removal, flood, earthquake, earth movement, water damage, wind, testing, and collapse. This insurance shall, without limitation, insure portions of the Work stored on or off the Project site or in transit, when at the risk of City, Contractor, or a Subcontractor or supplier. Contractor shall be solely responsible for any deductible amounts. This insurance shall remain in effect until final payment has been made to Contractor or until no person or entity other than City has an insurable interest in the property to be covered by this insurance, whichever is sooner. City and Contractor waive all rights against each other and their respective employees, agents, contractors, Subcontractors, and suppliers for damages caused by risks covered by the property insurance provided for in this Paragraph, except such rights as they may have to the proceeds of the insurance.

E. All policies and certificates of insurance shall provide no less than thirty (30) days’ prior written notice to City in the event of cancellation, expiration, non-renewal, alteration, or reduction (including but not limited to reduction by paid claims) of coverage or limits contained in the policy or evidenced by the certificate of insurance. Contractor shall furnish City a certificate or certificates and copies of policies, all satisfactory to City, evidencing that Contractor has all the required insurance and is in compliance with this Article. The certificate or certificates and copies of policies shall be delivered to City’s designated

representative not less than seven (7) days before Contractor first performs any of the Work. All policies except Workers' Compensation and Employer's Liability shall contain a waiver of subrogation in favor of City, its employees, officers, and agents, and architects, engineers, or other design professionals engaged by or on behalf of City.

F. Contractor also shall maintain any additional insurance coverages and any higher limits provided for elsewhere in the Contract Documents and shall furnish City any additional insurance documentation provided for elsewhere in the Contract Documents.

G. If any part of the Work is subcontracted, each Subcontractor, or Contractor on behalf of the Subcontractor, shall maintain liability and worker's compensation insurance coverages and amounts satisfying all the requirements of this Article. Certificates and copies of policies, satisfactory to City, evidencing the required insurance and compliance with this Article shall be delivered to City's designated representative not less than seven (7) days before the Subcontractor first performs any of the Work.

H. If Contractor is a transient employer as defined in Section 285.230 RSMo, Contractor must post in a prominent and easily accessible place at the Work site a clearly legible copy of the following: (1) the notice of registration for employer withholding issued to such transient employer by the Director of Revenue; (2) proof of coverage for workers' compensation insurance or self-insurance signed by the transient employer and verified by the Department of Revenue through the records of the Division of Workers' Compensation; and (3) the notice of registration for unemployment insurance issued to such transient employer by the Division of Employment Security. Any transient employer failing to comply with these requirements shall, under Section 285.234 RSMo be liable for a penalty of \$500 per day until the notice required by this Paragraph are posted as required by law.

ARTICLE IX INDEMNITY

A. To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless City, its employees, officers, and agents, and any architects, engineers, or other design professionals engaged by or on behalf of City, from and against claims, damages, losses, and expenses, including but not limited to attorney's fees, arising out of or resulting from the performance of the Work, provided that such claim, damage, loss, or expenses is attributable to bodily injury, sickness, disease, or death or to injury to or destruction of tangible property (other than the Work itself), but only to the extent caused or allegedly caused by the negligent or willful acts or omissions of Contractor, a Subcontractor or supplier, or anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, regardless of whether such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. This obligation is not intended to, and shall not, negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person as set forth in this Agreement.

B. In claims against any person or entity indemnified herein by an employee of Contractor, a Subcontractor or supplier, or anyone directly or indirectly employed by them or for whose acts they may be liable, the indemnification obligation shall not be limited by a

limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or a Subcontractor or supplier under workers' compensation acts, disability benefit acts, or other employee benefit acts.

ARTICLE X PATENT LIABILITY

Contractor agrees to defend, indemnify, and hold harmless City, its officers, employees and agents from and against any claim, action or suit that may be brought against them for Contractor's infringement of any Letters Patent in the performance of this Agreement or any breach or violation of trademark or proprietary or trade secret rights of others, as well as against any judgments, decrees, damages, costs and expenses sought, adjudicated, or recovered against any of them, on account of any such actual or alleged infringement.

ARTICLE XI COVENANT AGAINST LOBBYING AND UNDUE INFLUENCE

A. Contractor represents and warrants that it has not employed or retained any company or person, other than a bona fide employee working for Contractor, to solicit or secure this Agreement, and that it has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift, or any other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, City shall have the right to void this Agreement without liability and, in its discretion, to deduct from the Contract Amount, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

B. Contractor represents and warrants that no payments have been or shall be made, directly or indirectly, by or on behalf of Contractor to or for the benefit of any officer, employee, or agent of City who may reasonably be expected to influence the decision to requisition issue or take any action with respect to this Agreement. Contractor shall allow a mutually agreeable nationally recognized certified public accounting firm to examine, at City's expense, such of Contractor's books and records as may be necessary, in the accountant's reasonable opinion, to verify Contractor's compliance with this Article.

C. No official of the City who is authorized in such capacity and on behalf of the City to negotiate, make, accept, or approve, or to take part in negotiating, making, accepting, or approving any architectural, engineering, inspection, construction, or material supply contract or any subcontract in connection with the construction of the Project, shall become directly or indirectly interested personally in this Agreement or in any part hereof. No officer, employee, architect, attorney, engineer, or inspector of or for the City who is authorized in such capacity and on behalf of the City to exercise any legislative, executive, supervisory, or other similar functions in connection with the construction of the Project, shall become directly or indirectly interested personally in this Agreement or in any part thereof, any material supply contract, subcontract, insurance contract, or any other contract pertaining to the Project.

**ARTICLE XII
RECORDS REGARDING PAYMENT**

For a period of at least two (2) years after final payment to Contractor, Contractor shall maintain, in accordance with generally accepted accounting principles, such records as are necessary to substantiate that all Applications for Payment hereunder were valid and properly chargeable to City. For lump sum contract Work, the records shall demonstrate that the City was billed at appropriate times for proper percentages of completion and for payments to Subcontractors and suppliers. For any Work, including extra Work, not charged on a lump sum basis, the records to be maintained hereunder include but are not limited to all contracts, subcontracts, material bills, correspondence, accounting records, time sheets, payroll records, canceled checks, orders, and invoices pertaining to City's account. City or its representative shall, upon reasonable prior notice to Contractor, be given the opportunity to audit these records at any time during normal business hours to verify the accuracy of Contractor's invoices and charges.

**ARTICLE XIII
NOTICES**

A. The following persons are designated by the respective parties to act on behalf of such party and to receive all written notices and Applications for Payment:

If to the City:

Travis Hoover
2950 NW Vivion Rd.
City of Riverside, MO
Riverside, MO 64150
thoover@riversidemo.gov

If to the Contractor:

Name: Tom Qualls
Title: Chief Estimator
Street Address: 864 Hoff Rd
City, State Zip: O'Fallon, MO 63366
Email: tqualls@sakcon.com

B. Any notice required by the Contract Documents to be given in writing or that either City or Contractor wishes to give to the other in writing shall be signed by or on behalf of the party giving notice. The notice shall be deemed to have been completed when sent by certified or registered mail to the other party at the address set forth herein, or delivered in person to said party or their authorized representative.

C. Contractor's designated representative shall be available to meet with City at any time during the performance of the Work and shall have full authority to act on Contractor's behalf on any matter related to this Agreement and/or the Work.

**ARTICLE XIV
DEFAULT AND TERMINATION**

A. If Contractor fails to comply, becomes unable to comply, or with reasonable probability (as determined solely by City) will become unable to comply with any of Contractor's obligations under the Contract Documents, including but not limited to (1) failure

at any time to furnish sufficient labor or supervision, sufficient materials or services (including but not limited to insurance and bonds) complying with the Contract Documents, or sufficient or properly operating tools, equipment, or other items necessary for the performance of the Work, (2) failure in any respect to prosecute the Work with promptness and diligence, (3) causing any stoppage of, delay in, or interference with any work of City or any others on the Project, (4) abandonment by Contractor of all or any part of the Work, or (5) bankruptcy, insolvency or general assignment for the benefit of creditors by Contractor, Contractor shall be in default, and if the default is not corrected to City's satisfaction within seventy-two (72) hours of delivery of a written notice to Contractor to correct such default, City may, in addition to any other right or remedy City may have, terminate the services of the Contractor and take possession of the Project and of all materials, equipment, tools, construction equipment and machinery thereon owned by the Contractor and finish the Work by whatever method the City may deem expedient to correct the default, at Contractor's expense. In such case the Contractor shall not be entitled to receive any further payment until the Work is finished. If such costs exceed the unpaid balance due to Contractor, the Contractor will pay the difference to the City.

B. If City exercises its right to take over and complete any part or all of the Work, City and its designees shall have access to and may take possession of Contractor's materials, tools, equipment, and other items at the Project site, en route to the site, or in storage or being manufactured or fabricated away from the site, as may be necessary to prosecute the Work taken over by City, and may employ Contractor's employees or former employees, all without any liability to Contractor.

C. Contractor shall be liable for and shall pay to City all costs and expenses of whatsoever nature incurred by City as a result of any default by Contractor, including but not limited to the cost of labor, supervision, materials, tools, equipment, services, overhead, travel, and legal and accounting fees. Contractor also shall be liable for and shall pay to City all charges, liabilities, fines, penalties, losses, damages, and claims sustained by or assessed against City as a result of any delay or disruption resulting from any default by Contractor. The total amount of such costs, expenses, charges, liabilities, fines, penalties, losses, damages, and claims may be deducted by City from the amount, if any, otherwise due Contractor, and Contractor shall pay City the full amount of any excess of such total over the amount otherwise due Contractor.

D. No right or remedy conferred upon or reserved to City by the Contract Documents is exclusive of any other right or remedy provided or permitted in the Contract Documents or by law or equity, but each right or remedy is cumulative of every other right or remedy, and every right or remedy may be enforced concurrently or from time to time. No exercise by City of any right or remedy shall relieve Contractor from full and absolute responsibility for all of Contractor's obligations under the Contract Documents.

E. No failure or delay of City to give notice to correct any default of Contractor or to exercise any of City's rights or remedies shall waive or excuse the default, and City shall remain free to pursue all rights and remedies. No failure of City to insist, in any one or more instances, upon the performance of any of Contractor's obligations under the Contract Documents shall be deemed or construed as a waiver or relinquishment of City's right to insist upon strict performance of the obligation in any future instance.

F. If through no act or fault of the Contractor, the Work is suspended for a period of more than ninety (90) days by the City or under an order of court or other public authority, or the City fails to act on any request for payment within thirty (30) days after it is submitted, or the City fails to pay the Contractor substantially the sum approved by the Resident Project Representative and Administrator, then the Contractor may after ten (10) days from delivery of written notice to the City terminate the Agreement and recover from the City payment for all Work executed.

G. The City, without terminating the service of the Contractor or written notice to the Surety, through the Administrator may withhold, without prejudice to the rights of the City under the terms of the Agreement, or on account of subsequently discovered evidence, nullify the whole or part of any approved partial payment estimate to such extent as may be necessary to protect the City from loss on account of (1) defective Work not remedied, (2) claims filed or reasonable evidence indicating probably filing of claims, (3) failure of Contractor to make payments properly to Subcontractors or for material or labor, (4) a reasonable doubt that the Work can be completed for the balance then unpaid, (5) damages to another contractor, or (6) performance of Work in violation of the terms of the Contract Documents.

ARTICLE XV TERMINATION FOR CONVENIENCE

Notwithstanding anything contained herein to the contrary, City may, at any time, for any reason, and without Contractor's being in default, terminate Contractor's performance of any part or all of the Work for City's own convenience by giving written notice to Contractor. Upon receipt of notice of termination for City's convenience, Contractor shall, to the extent directed by City, stop Work and turn over to City or City's designee materials and equipment purchased for the Work. City shall pay Contractor, in accordance with the Contract Documents, for only so much of the Work as is actually performed as of the termination for convenience. City shall not be obligated to Contractor for any further payment, including but not limited to prospective overhead or profit on unperformed Work. If a termination by City of Contractor's right to proceed on the ground of default by Contractor is determined later to have been improper, the termination automatically shall be converted to a termination for City's convenience, and City's obligation to Contractor shall be limited to payment to Contractor as provided in this Article.

ARTICLE XVI COMPLIANCE WITH LAWS

A. Contractor shall comply strictly with all federal, state, and local laws, ordinances, rules, regulations, orders, and the like applicable to the Work, including, but not limited to any applicable prompt payment laws and all U.S. Army Corps of Engineers guidelines, rules, regulations, and criteria for Work within or adjacent to a flood control project area. Contractor shall secure all permits from public and private sources necessary for the fulfillment of Contractor's obligations under the Contract Documents.

B. With each Application for Payment submitted by Contractor to City, Contractor shall include (a) a signed statement, in form acceptable to City, showing, for each weekly payroll period that ended during the period covered by the Application for Payment, the name, address, social security number, occupation, and craft of each worker employed by Contractor in connection with the Work and, for each such worker, the number of hours worked each day, the total hours worked during the payroll period, the gross amount earned, an itemization of all deductions, and the net wages paid and (b) a corresponding statement from each Subcontractor of any tier that employed any workers in connection with the Work during the period covered by the Application for Payment.

C. This Agreement shall be governed by and construed in accordance with the laws of the State of Missouri.

ARTICLE XVII LABOR STANDARDS PROVISIONS

A. **EXCESSIVE UNEMPLOYMENT.** During periods of excessive unemployment (any month immediately following two consecutive calendar months during which the level of unemployment in the state has exceeded five percent (5%) as measured by the United States Bureau of Labor Statistics) only Missouri labors (persons who have resided in Missouri for at least thirty days and intend to become or remain Missouri residents) and laborers from non-restrictive states (persons who are residents of a state which has not enacted state laws restricting Missouri laborers from working on public works projects in that state, as determined by the Labor and Industrial Relations Commission), may be employed under the contract, except that other laborers may be used when Missouri laborers or laborers from nonrestrictive states are not available, or are incapable of performing the particular type of work involved, if so certified by the Contractor and approved by the City.

B. **UNDERPAYMENT OF WAGES.** In case of underpayment of wages by the Contractor or by any Subcontractors to laborers or mechanics employed by the Contractor or Subcontractor upon the Work covered by this Agreement, the City, in addition to such other rights as may be afforded it under this Agreement shall withhold from the Contractor, out of any payments due the Contractor, so much thereof as the City may consider necessary to pay such laborers or mechanics the full amount of wages required by this Agreement. The amount so withheld may be disbursed by the City, for and on account of the Contractor or the Subcontractor (as may be appropriate), to the respective laborers or mechanics to whom the same is due or on their behalf to plans, funds, or programs for any type of fringe benefit prescribed in the applicable wage determination.

C. **LIMITATIONS ON EMPLOYMENT.** No person under the age of sixteen (16) years and no person who, at the time, is serving sentence in a penal or correctional institution shall be employed on the Work covered by this Agreement.

ARTICLE XVIII EQUAL EMPLOYMENT OPPORTUNITY

The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative

action to ensure that applicants and employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, employment, upgrading, demotion, or transfer; recruitment, or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

**ARTICLE XIX
SUBCONTRACTS, ASSIGNMENT, OR TRANSFER**

A. Except with the prior written consent of City, Contractor shall not assign this Agreement or any money due or to become due Contractor or issue a subcontract or purchase order to any person or entity for any or all of the Work. City's consent to any assignment, subcontract, or purchase order shall not relieve Contractor from any obligation under the Contract Documents, nor shall it create any obligation from City to any assignee, Subcontractor, or vendor.

B. Each subcontract or purchase order issued by Contractor for any of the Work shall be in writing and shall provide that City is an intended third-party beneficiary of the subcontract or purchase order.

C. The Contractor shall be fully responsible to the City for the acts and omissions of its Subcontractors, and of person either directly or indirectly employed by them, as the Contractor is for the acts and omissions of person directly employed by it.

D. The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the Work to bind Subcontractors to the Contractor by the terms of the Contract Documents insofar as applicable to the Work of Subcontractors and give the Contractor the same power as regards terminating any Subcontract that the City may exercise over the Contractor under any provision of the Contract Documents. Nothing contained in this Agreement shall create any contractual relation between any Subcontractor and the City.

E. Each subcontract or purchase order issued by Contractor for any of the Work shall provide that it is freely assignable by Contractor to City. Contractor hereby assigns to City all its interest in any present or future subcontract or purchase order issued by Contractor for any or all of the Work. This assignment shall be effective upon acceptance by City in writing and only as to the specific subcontract(s) and/or purchase order(s) that City designates in the writing. This assignment may be accepted by City at any time, whether before or after final payment to Contractor, and may not be withdrawn by Contractor without City's written consent.

**ARTICLE XX
SEPARATE CONTRACTS**

A. The City reserves the right enter into other contracts in connection with the Project. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their Work, and shall properly connect and coordinate the work with theirs. If the proper execution or results of any part of

the Contractor's Work depends upon the work of any other contractor, the Contractor shall inspect and promptly report to the Administrator any defects in such work that render it unsuitable for such proper execution and results.

B. The City may perform additional work related to the Project or the City may enter into other contracts containing provisions similar to these. The Contractor will afford the other contractors who are parties to such contracts (or the City, if the City is performing the additional work) reasonable opportunity for the introduction and storage of materials and equipment and the execution of work, and shall properly connect and coordinate the Work with theirs.

C. If the performance of additional work by other contractors or the City is not noted in the Contract Documents prior to the execution of the contract, written notice thereof shall be given to the Contractor prior to starting any such addition work. If the Contractor believes that the performance of such additional work by the City or others involves it in additional expense or entitles it to any extension of the contract time the Contractor may make a claim thereof as provided in Article VII.

ARTICLE XXI ACCESS TO SITE/CLEANING UP

A. Contractor shall ensure that the Work, at all times, is performed in a manner that affords reasonable access, both vehicular and pedestrian, around the site of the Work and all adjacent areas.

B. Representatives of City may inspect or review any Work performed by Contractor, and consult with Contractor, at any time. City's inspections or reviews shall not constitute acceptance or approval of Work unless specifically stated in writing. Contractor shall meet with City at the request of City.

C. Contractor shall at all times, during performance of the Work, keep the Project site clean and free from debris resulting from the Work. Prior to discontinuing Work in an area, Contractor shall clean the area and remove all rubbish and its construction equipment, tools, machinery, waste, and surplus materials. Contractor shall make provisions to minimize and confine dust and debris resulting from construction activities. If Contractor fails to comply with cleanup duties within twenty-four (24) hours after written notification from City of non-compliance, City may implement cleanup measures without further notice and deduct the cost from any amounts due or to become due Contractor.

ARTICLE XXII COMPETENCE

Contractor represents and warrants that it maintains all necessary licenses, registration, competence, and experience to perform all the Work.

ARTICLE XXIII WARRANTY

A. Contractor shall exercise high professional skill, care, and diligence in the

performance of the Work, and shall carry out its responsibilities in accordance with customarily accepted good professional practices. The Contractor shall guarantee all materials and equipment furnished and Work performed for a period of one (1) year from the date of completion and acceptance of the Work. The Contractor warrants and guarantees for one (1) year from the date of completion and acceptance of the Work that the completed Work is free from all defects due to faulty materials or workmanship. The date of completion for all scopes of work shall be the last date of acceptance of all Work in this Agreement. Contractor shall promptly make such corrections as may be necessary be reason of such defects including the repair of any other damages that were caused by defects in the Work, at its own expense. The City will give notice of observed defects with reasonable promptness. In the event that the Contractor fails to make such repairs, adjustments or other Work that may be necessary by such defects, the City may do so and charge the Contractor the cost thereby incurred. In emergency where, in the judgment of the City, delay would cause serious loss or damage, repairs and replacement of defects in the Work and damage caused by defects may be made without notice being sent to the Contractor, and the Contractor shall pay the cost thereof. Neither final payment, Engineer's Final Certificate, nor any other provision in the Contract Documents shall affect Contractor's obligation to complete the Work free of defects in workmanship and material.

B. Contractor shall remain solely responsible for the performance of the Work as required by the Contract Documents, notwithstanding any suggestions or observations made by another person or entity with respect to the Work.

C. This Article does not establish a period of limitation with respect to any obligation of Contractor under the Contract Documents, and does not limit the time allowed by law for any action for breach of such obligation.

ARTICLE XXIV STORAGE OF MATERIALS AND EQUIPMENT

The Contractor shall provide at its own expense and without liability to the City any additional land and access thereto that the Contractor may desire for temporary construction facilities, or for storage of materials. Only materials and equipment that are to be used directly in the Work shall be brought to and stored at the Project site by Contractor. After equipment is no longer required for the Work, it shall be promptly removed from the Project site. Protection of construction materials and equipment stored at the Project site from weather, theft, and all other casualty or damage is solely the responsibility of Contractor.

ARTICLE XXV TAXES

A Missouri Sales Tax Project Exemption Certificate (Missouri Department of Revenue Form 5060) will be provided by the City for the purchase of any materials or personal property incorporated into or consumed in the Project, pursuant to RSMo 144.062. The Contractor will pay all other sales, consumer, use and other similar taxes required by the State of Missouri or other taxing jurisdiction.

ARTICLE XXVI
SAFETY

A. Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with performance of the Work and shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury, or loss to (1) employees and other persons at the Project site or who may be affected by the Work, (2) materials and equipment stored at on-site or off-site locations for use in performance of the Work, and (3) other property at the Project site or in its vicinity, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

B. Contractor shall give notices required by and comply strictly with applicable laws, ordinances, rules, regulations, orders, and the like bearing on safety of persons or property or their protection from damage, injury, or loss. The Contractor will erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety and protections. The Contractor will notify owners of adjacent utilities when prosecution of the Work may affect them. The Contractor will remedy all damage, injury or loss to any property caused directly or indirectly, in whole or part, by the Contractor, any Subcontractor or anyone directly or indirectly employed by any of them or anyone whose acts any of them may be liable.

C. The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the site, which occur as a result of its prosecution of the Work. The safety provisions of applicable laws and building and construction codes shall be observed and the Contractor shall take or cause to be taken, such additional safety and health measures as the City may determine to be reasonably necessary.

D. Pursuant to Section 292.675 RSMo, Contractor shall provide a ten (10) hour Occupational Safety and Health Administration (OSHA) construction safety program for all employees who will be on-site at the Project. The construction safety program shall include a course in construction safety and health that is approved by OSHA or a similar program approved by the Missouri Department of Labor and Industrial Relations which is at least as stringent as an approved OSHA program as required by Section 292.675 RSMo. Contractor shall require its on-site employees to complete a construction safety program within sixty (60) days after the date Work on the Project commences. Contractor acknowledges and agrees that any of Contractor's employees found on the Project site without documentation of the successful completion of a construction safety program shall be required to produce such documentation within twenty (20) days, or will be subject to removal from the Project. Contractor shall require all of its Subcontractors to comply with the requirements of this Paragraph and Section 292.675 RSMo.

E. Contractor shall forfeit to the City as a penalty two thousand five hundred dollars (\$2,500.00), plus one hundred dollars (\$100.00) for each on-site employee employed by Contractor or its Subcontractor, for each calendar day, or portion thereof, such on-site employee is employed without the construction safety training required herein. The penalty described in this Paragraph shall not begin to accrue until the time periods herein have elapsed.

Violations of this requirement and imposition of the penalty described in this Paragraph shall be investigated and determined by the Missouri Department of Labor and Industrial Relations.

F. If City deems any part of the Work or the Project site unsafe, City, without assuming responsibility for Contractor's safety program, may require Contractor to stop performance of the Work or take corrective measures satisfactory to City, or both. If Contractor does not adopt corrective measures, City may perform them or have them performed and deduct their cost from the Contract Amount. Contractor shall make no claim for damages, for an increase in the Contract Amount, or for a change in the time for performance of the Work based on Contractor's compliance with City's reasonable request.

ARTICLE XXVII AUTHORIZED EMPLOYEES

Contractor acknowledges that Section 285.530 RSMo prohibits any business entity or employer from knowingly employing, hiring for employment, or continuing to employ an unauthorized alien to perform work within the State of Missouri. Contractor therefore covenants that it is not knowingly in violation of subsection 1 of Section 285.530 RSMo, and that it will not knowingly employ, hire for employment, or continue to employ any unauthorized aliens to perform Work on the Project, and that its employees are lawfully eligible to work in the United States.

ARTICLE XXVIII INDEPENDENT CONTRACTOR

Contractor is an independent contractor, and neither Contractor or any Subcontractors, suppliers, employees, or agents shall be deemed an employee or agent of City for any purpose.

ARTICLE XXIX CONFLICT

Contractor shall promptly upon discovery notify City of any conflict, ambiguity or inconsistency in the Contract Documents, or between any Contract Document and actual field conditions, and City shall resolve such conflict, ambiguity or inconsistency in its sole discretion.

ARTICLE XXX PAYMENT BOND

The Contractor shall within ten (10) days after the receipt of the Notice of Award furnish the City with a Payment Bond in the form set forth in Exhibit A in an amount at least equal to one hundred percent (100%) of the contract price, conditioned upon the prompt payment by the Contractor to all persons supplying labor and materials in the prosecution of the Work provided by the Contract Documents. Such bond shall be executed by the Contractor and a corporate bonding company licensed to transact such business in the state in which the Work is to be performed and named on the current list of "Surety Companies Acceptable on

Federal Bonds” as published in the Treasury Department Circular Number 570 and shall have a rating of at least “A-” from Best’s. The expense of these bonds shall be borne by the Contractor. If at any time a surety on any such bond is declared a bankrupt or loses its right to do business the state in which the Work is to be performed or is removed from the list of Surety Companies accepted on Federal Bonds, Contractor shall within ten (10) days after notice from the City to do so, substitute an acceptable bond in such form and sum and signed by such other surety or sureties as may be satisfactory to the City. The premiums on such bond shall be paid by the Contractor. No further payment shall be deemed due nor shall payment be made to Contractor until the new surety or sureties shall have furnished an acceptable bond to the City.

**ARTICLE XXXI
SEVERABILITY**

Should any specific provision of this Agreement or other Contract Documents be found to be unenforceable, the remaining provisions shall remain in full force and effect.

**ARTICLE XXXII
NO PRESUMPTION AGAINST THE DRAFTER**

No presumption or inference against the City shall be made because of the City’s preparation of this Agreement or other Contract Documents.

**ARTICLE XXXIII
DISPUTES/ATTORNEY FEES**

A. If a dispute arises out of or relates to this Agreement or other Contract Documents, or the breach thereof, and if the dispute cannot be resolved through negotiation, City and Contractor shall first try in good faith to resolve the dispute by mediation before resorting to litigation. Unless City and Contractor agree otherwise, the mediation shall be administered by the American Arbitration Association under its Construction Industry Mediation Rules.

B. In the event of litigation between Contractor and City concerning the Project or this Agreement or other Contract Documents, the prevailing party shall be entitled to recover from the other party its reasonable attorney fees, costs, and expenses arising from such litigation.

**ARTICLE XXXIV
TITLES**

The titles given to the Articles in this Agreement are for ease of reference only and shall not be relied upon or cited for any other purpose. Specifically, but without limitation, the titles shall not define or limit any of the provisions of any of the Articles.

**ARTICLE XXXV
PROVISIONS REQUIRED BY LAW DEEMED INSERTED**

Each and every provision of law and clause required by law to be inserted in this

Agreement shall be deemed to be inserted herein and this Agreement shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon the application of either party this Agreement shall forthwith be physically amended to make such insertion or correction. All such laws, orders and regulations are applicable to this Project and are made a part hereof by reference.

**ARTICLE XXXVI
ENTIRE AGREEMENT**

This Agreement and the other Contract Documents constitute the entire agreement between the parties with respect to their subject matter. Any prior agreements, understandings, or other matters, whether oral or written, are of no further force or effect. Subject to Article VII of this Agreement, this Agreement and any other Contract Document may be amended, changed, or supplemented only by written agreement executed by both of the parties.

THIS AGREEMENT shall be binding on the parties only after it has been duly executed by City and Contractor.

[THE REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their authorized representatives.

APPROVED AS TO FORM:

ATTORNEY:

By: _____

Attorney, _____

COUNTERSIGNED BY:

CITY PURCHASING AGENT:

By: _____

Brian E. Koral
City Administrator

CITY OF RIVERSIDE:

By: _____

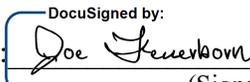
Kathleen L. Rose, Mayor

ATTEST:

Robin Kincaid, City Clerk

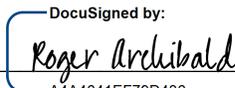
CONTRACTOR:

SAK Construction, LLC

By:  _____
FED298564DF74D3(Signature)

Printed Name: Joe Feuerborn

Title: Vice President

ATTEST:  _____
A4A4641EF79D436...

SECRETARY, Roger Archibald
(Name Printed)

EXHIBIT A

PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS: that _____ a _____ [insert corporation, partnership or individual], hereinafter called Principal, and _____ [insert name of surety], hereinafter called Surety, are held and firmly bound unto the CITY OF RIVERSIDE, MISSOURI (“City”), and unto all persons, firms and corporations who or which may furnish labor, or who furnish materials to perform as described under the Agreement and Contract Documents more fully described below and to their successors and assigns in the total aggregate penal sum of One Hundred Six Thousand Seven Hundred Fifty Dollars and Forty-Two Cents (\$106,750.42) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that WHEREAS, the Principal entered into a certain Agreement with the City, dated the _____ day of _____, 20____, for the construction of 2022 INDIAN HILLS CIPP PROJECT (153-025) approved by Resolution No. _____;

NOW, THEREFORE, in the event Principal shall pay the prevailing hourly rate of wages for each craft or type of worker required to execute the Work required by the Contract Documents described in the Agreement in the locality as determined by the Department of Labor and Industrial Relations of Missouri or by final judicial determination pursuant to the provisions of Sections 290.010 to 290.340 and 290.550 through 290.580, inclusive, of the Revised Statutes of Missouri, and shall timely pay to the proper parties all amounts due for material, machinery, equipment and tools, consumed or used in connection with the construction of such Work, and all insurance premiums, workers’ compensation, and all other kinds of insurance, on such Work, and for all labor performed in such Work whether by Principal, Subcontractor, or otherwise, then this obligation to be void, otherwise to remain in full force and effect, and the same may be sued on at the instance of any Subcontractor, material

supplier, laborer, mechanic, or other interested party, in the name of the City of Riverside, to the use of such parties, for any breach of the considerations hereof.

Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract Documents or to the Work to be performed thereunder shall in any wise affect its obligation on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract Documents or to the Work.

The Payment Bond above is accepted by the City this ____ day of _____, 2022.

CONTRACTOR AS PRINCIPAL

By: _____

(Signature)

Printed Name: _____

Title: _____

I hereby certify that (1) I have authority to execute this document on behalf of Surety; (2) Surety has an A.M. Best rating of A- or better; (3) Surety is named in the current list of Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and Acceptable Reinsuring Companies: as published in Circular 570 (most current revision) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury; and (4) Surety is duly licensed to issue bonds in the State of Missouri and in the jurisdiction in which the Project is located.

SURETY

By: _____

(Signature)

Printed Name: _____

Title: _____

Date: _____

Note:

- Date of Bond must NOT BE PRIOR TO DATE OF AGREEMENT
- If Contractor is a partnership, all partners must execute the Bond.

SURETY POWER OF ATTORNEY MUST BE ATTACHED

EXHIBIT B
Time for Completion

2022 INDIAN HILLS CIPP PROJECT (Project No. 153-025)

Time for Completion: 11/01/2022

EXHIBIT C

SCOPE OF WORK for

2022 INDIAN HILLS CIPP PROJECT (Project No. 153-025)

Contractor shall perform the following Work as more fully set forth in the Contract Documents:

All Work necessary to construct the 2022 INDIAN HILLS CIPP as shown on and in accordance with the Technical Specifications and/or Drawings referred to in Exhibit D to the Agreement.

Contractor to provide all necessary equipment, labor, and material to perform the Project construction and related work as shown in the Contract Documents. The Work includes, but is not limited to, the following:

1. Schedule and Coordinate all necessary inspections.
2. Contractor shall coordinate with all utilities prior to the work starting, including contacting underground locator services.
3. Include all temporary utility fees and permits.
4. Include 3rd party Special Inspections as required to demonstrate compliance with project specifications.
5. Include all surveying, layout and field engineering required for the performance of this work.
6. Provide digital photographs of the preconstruction, construction, and post construction site (see Article IV Progress of Work / Submittals (F) for specifics)
7. Provide all weather provisions to meet the schedule set forth in the contract documents.
8. Provide clean up associated with the contractors work. Site is to remain free of debris during the construction process.
9. Provide all traffic control as required throughout the construction process.

EXHIBIT C
SCOPE OF WORK



CIPP STORM WATER PIPE LINING

— Pipes to be lined

**Lengths shown are approximate.

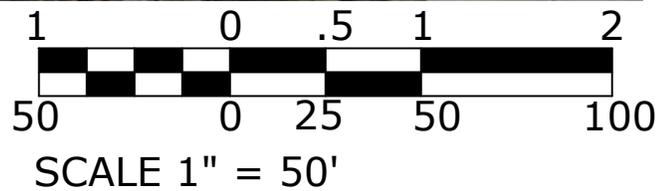
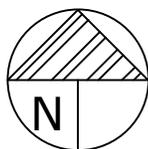


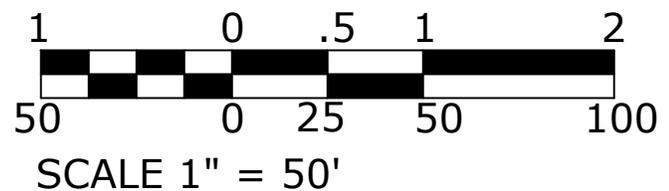
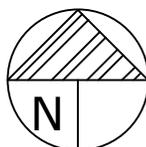
EXHIBIT C
SCOPE OF WORK

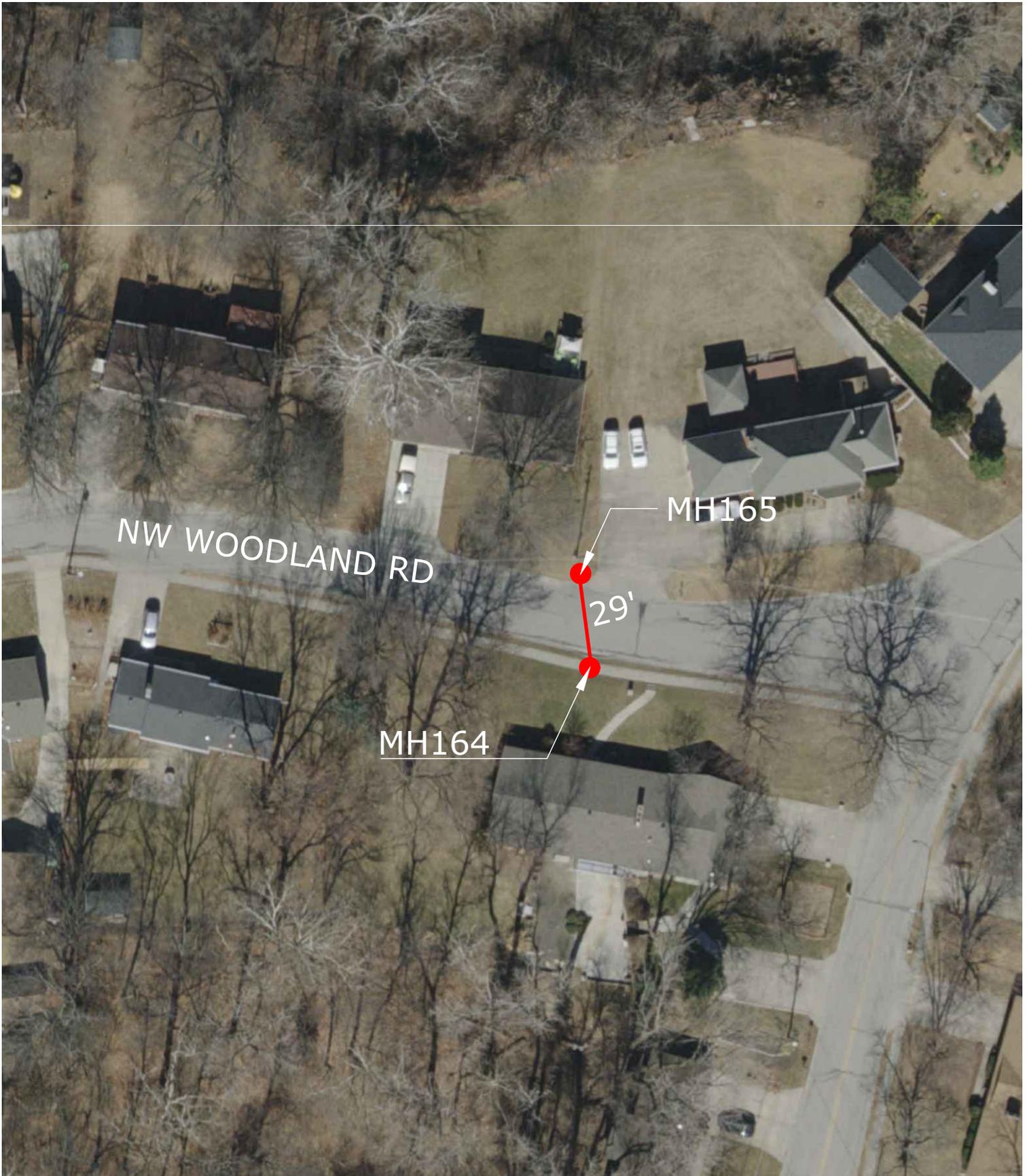


CIPP STORM WATER PIPE LINING

— Pipes to be lined

**Lengths shown are approximate.

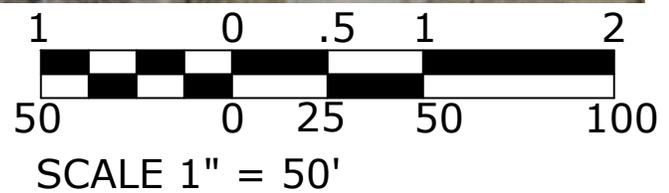




CIPP STORM WATER PIPE LINING

— Pipes to be lined

**Lengths shown are approximate.





CIPP STORM WATER PIPE LINING

— Pipes to be lined

**Lengths shown are approximate.

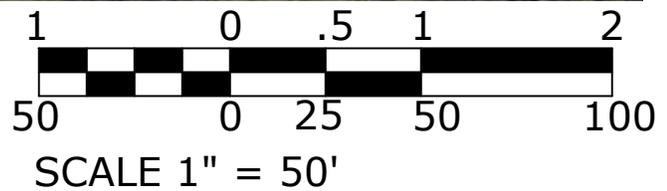
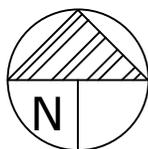


EXHIBIT D

TECHNICAL SPECIFICATIONS

2022 INDIAN HILLS CIPP PROJECT (Project No. 153-025)

The following Specifications govern Contractor's performance of the Work:

ENUMERATION OF SPECIFICATIONS AND ADDENDA:

Following are the Specifications and Addenda governing the work, which form a part of this contract, as set forth the Contract Documents:

SPECIFICATIONS:

Division 1 – General Requirements

<u>Section</u>	<u>Description</u>
01015	CONTRACTOR USE OF PREMISES
01030	SPECIAL CONDITIONS
01040	COORDINATION
01270	MEASUREMENT AND PAYMENT
01310	JOB SITE ADMINISTRATION
01320	CONSTRUCTION SCHEDULE
01410	TESTING LABORATORY SERVICES
01524	WASTE AREA, MATERIAL STORAGE AND SITE APPEARANCE
01570	TEMPORARY TRAFFIC CONTROL

Division 2 – Site Work

<u>Section</u>	<u>Description</u>
02532	CURED-IN-PLACE PIPE

ADDENDA:

No. _____ Date _____

EXHIBIT E



NOTICE TO PROCEED

DATE: _____

PROJECT: 2022 INDIAN HILLS CIPP PROJECT

PROJECT NO.: 153-025

ORD / RESO: _____ (approved _____)

TO: Contractor: _____
 (address) _____

You are hereby notified to commence work on or after the ____ day of _____, 2022 in accordance with the Agreement dated _____.

The date of substantial completion is 11/01/2022. The project shall be completed and ready for final payment by _____.

CITY OF RIVERSIDE

BY: _____
 Brian E. Koral, City Administrator

Receipt of the above NOTICE TO PROCEED is hereby acknowledged

BY: _____
 (Signature) (Printed)

 (Title) (Company)

this the _____ day of _____, 2022.

EXHIBIT F

APPLICATION FOR PAYMENT Continuation Sheet for Application for Payment

(Contact Capital Projects and Parks Manager, Noel Bennion with the City of Riverside for an electronic version nbennion@riversidemo.gov or by calling 816-372-9028)



CITY OF RIVERSIDE
MISSOURI

City of Riverside
2950 NW Vivion Road
Riverside Missouri, 64150

Project No. _____

Project Name _____

PAY APPLICATION NO. _____

Page 1 of 7

Date _____

1	Original Contract Amount	\$	-	Value of Work to Date:	\$	-	Total amount of actual work that has been completed to date
2	Net change by Change Orders	\$	-	Value of Completed to Date:	\$	-	Pays for work completed to date + pays for stored materials
3	Present Contract Amount (Line 1 +/- Line 2)	\$	-	Net Amount:	\$	-	Value of Completed work to date - retainage
4	Value of Stored Materials to Date:	\$	-	Less Previous Payments:	\$	-	Amount Due this Application
5	Five Percent Retainage:	\$	-	Balance to Finish Project, including Retainage	\$	-	Present contract amt - Previous payments - amount due this app

CONTRACTOR'S Certification for payment:

The undersigned CONTRACTOR certifies that: (1) all previous progress payments received from CH2M Hill, on account of Work done under the Contract referred to above, have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by current and prior Applications for Payment; (2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all liens, claims, security interest and encumbrances (except such as are covered by bond acceptable to CH2M Hill indemnifying CH2M Hill against any such lien, claim, security interest or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents.

ENGINEER'S Certification for Payment:

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Engineer certifies to the Owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED \$ _____

Construction Manager:

Construction Manager: _____

Name Printed: _____

Signed: _____

Date: _____

ACCEPTED BY CITY OF RIVERSIDE, MO

City Engineer Approved: _____

Travis Hoover Signed Date _____

Administrator Approved: _____

Greg Mills Signed Date _____

CONTRACTOR: _____

Name Printed: _____

Signed: _____

Date: _____

Address: _____

ENGINEER: _____

Name Printed: _____

Signed: _____

Date: _____

Address: _____

City _____

Item	Description of work	Contract		Unit		Contract		Stored		Completed		\$ Completed	
		Unit	Quantity	Unit	Bid	\$ Amount	Materials	To Date	To Date	To Date	To Date		
1													
2													
3													
4													
5													
6													
7													
8													
SA													

\$ _____

55

EXHIBIT G

CHANGE ORDER

(Contact Capital Projects and Parks Manager, Noel Bennion with the City of Riverside for an electronic version nbennion@riversidemo.gov or by calling 816-372-9028)



CHANGE ORDER NO. _____

Page Number: 1 of ____
 # of Pgs Attached: ____
 Date Prepared: _____

Contractor Name: _____

Project Name: _____
 Project Number: _____
 Contract Date: _____
 Project Location: Riverside, Missouri

The following changes to the original contract amount were required to cover cost incurred by the Contractor or to reflect savings realized by the Contractor as a result of a change in the actual constructed quantities from the estimated quantities shown on the Bid Proposal.

REQUIRED CHANGES IN PRESENT CONTRACT									
Line Item No.	Contract or Previous Quantity	Contract or Previous Unit Price	Contract or Previous Amount	Unit	Item Description & Reason for Change Order (Please describe item below and then follow with reason for Change Order) 1) Requested by City 2) Unknown Site Conditions 3) Not incorporated in plans/specs	New or Adjusted Quantity	New or Adjusted Unit Price	New or Adjusted Amount	
	0.0		\$0.00	LS				\$0.00	
			\$0.00					\$0.00	
			\$0.00					\$0.00	
			\$0.00					\$0.00	
			\$0.00					\$0.00	
			\$0.00					\$0.00	
			\$0.00					\$0.00	
			Previous Total					\$0.00	
								Adjusted Total	\$0.00
								Net Change	\$0.00

Statement of Contract	
Original Contract Amount	\$0.00
Net Amount of Previous Additions and Deductions	\$0.00
Net Contract Amount Prior to This Request	\$0.00
Amount of This Request	\$0.00
New Contract Amount	\$0.00
Percent Change in Contract Amount	#DIV/0!

DESIGN ENGINEER:
 Company: _____
 Name Printed: _____
 Signed: _____
 Date: _____

CITY OF RIVERSIDE, MISSOURI:
 Travis Hoover Signed Date
 City Administrator: Greg Mills Signed Date

CONTRACTOR:
CONTRACTOR'S Certification for Change Order:
 The undersigned CONTRACTOR certifies that all changes described above are necessary in order for the CONTRACTOR to proceed with execution of the contract documents, and that the values stated above are correct with respect to the work anticipated under this change order.

ON-SITE PROJECT MANAGER:
ON-SITE PROJECT MANAGER Certification for Change Order:
 In accordance with the Contract Documents, the on-site observations, and the data comprising this change order, the on-site project manager certifies to the Owner that to the best of the on-site project manager's knowledge, information and belief the above referenced changes are necessary in order to proceed with the execution of the contract documents, and that the values stated above are correct with respect to the work anticipated under this change order.

Company: _____
 Name Printed: _____
 Signed: _____
 Date: _____

Company: _____
 Name Printed: _____
 Signed: _____
 Date: _____



EXHIBIT H

Certificate of Substantial Completion

(to be completed after substantial completion of the project)

Table with 2 columns: Project Name: 2022 INDIAN HILLS CIPP PROJECT, Project #: 153-025; Requestor of Project: City of Riverside

This [tentative] [definite] Certificate of Substantial Completion applies to:

[] All Work under the Contract Documents: [] The following specified portions of the Work:

Four horizontal lines for specifying portions of work.

Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of the City, Contractor, and the Engineer, and found to be substantially complete. The Date of Substantial Completion of the Project or portion thereof designated above is hereby declared and is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

A [tentative] [definitive] list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

The responsibilities between the City and Contractor for security, operation, safety, maintenance, heat, utilities, insurance and warranties shall be as provided in the Contract Documents except as amended as follows:

[] Amended Responsibilities [] Not Amended

The City's Amended Responsibilities:

Three horizontal lines for listing City's amended responsibilities.

Contractor's Amended Responsibilities:

Two horizontal lines for listing Contractor's amended responsibilities.

The following documents are attached to and made part of this Certificate:

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

Executed by Engineer (Print & Sign) Date _____

Accepted by Contractor (Print & Sign) Date _____

Accepted by the City (Print & Sign) Date _____

EXHIBIT J

SUBCONTRACTOR AFFIDAVIT FOR FINAL PAYMENT

(to be completed at conclusion of project)

2022 INDIAN HILLS CIPP PROJECT (Project No. 153-025)

STATE OF _____)
) SS:
COUNTY OF _____)

After being duly sworn the person whose name and signature appears below hereby states under penalty of perjury that:

1. I am the duly authorized officer of the business indicated below (hereinafter Subcontractor) and I make this affidavit on behalf of Subcontractor in accordance with the requirements set forth in Section 290.290, RSMo. Subcontractor has completed all of the Work required under the terms and conditions of a subcontract as follows:

Subcontract with: _____, Contractor

Work Performed: _____

Total Dollar Amount of Subcontract and all Change Orders: \$ _____

Business Entity Type:	Subcontractor's Legal Name and Address
<input type="checkbox"/> Missouri Corporation	_____
<input type="checkbox"/> Foreign Corporation	_____
<input type="checkbox"/> Fictitious Name Corporation	_____
<input type="checkbox"/> Sole Proprietor	_____
<input type="checkbox"/> Limited Liability Company	Phone No. _____
<input type="checkbox"/> Partnership	Fax: _____
<input type="checkbox"/> Joint Venture	
E:mail: _____	
<input type="checkbox"/> Other (Specify) _____	Federal ID No. _____

I hereby certify that I have the authority to execute this affidavit on behalf of Subcontractor.

By: _____
(Signature) (Print Name)

(Title) (Date)

NOTARY
Subscribed and sworn to before me this _____ day of _____, 20_____.

My Commission Expires: _____
(Signature)

EXHIBIT K

**ENGINEER/CONSULTANT'S CERTIFICATION
For Acceptance and Final Payment**

(to be completed at conclusion of project)

City of Riverside, Missouri

Project Name: 2022 INDIAN HILLS CIPP PROJECT

Project No: 153-025

Contractor: _____

Contract Date: _____

Date of Completion and Acceptance: _____

The Contractor has notified me that he has completed all work in accordance with the Contract Documents and that it is functioning properly.

I hereby certify that a final inspection of all work under the Contract Documents was conducted by me and to the best of my knowledge; the work has been completed in accordance with the drawings and specifications and is functioning properly.

I have approved all payment estimates, and prepared and received approval of all change orders. I have received the required certifications; instructions for operating the equipment, manuals, and other documents that are applicable to this project from the Contractor and have delivered them to the City.

The City is now responsible for the security, operation, safety, maintenance, and insurance as applicable to the project. The Contractor will warranty all specified work for a period of one (1) year (or a longer period if governed by Missouri Statutes) from this date of completion. Notification has been given to the proper Government agencies that the work is completed.

I recommend, under the provision of the Contract Documents that the Work be accepted and that final payment be made.

Executed by the Engineer on this _____ day of _____, 20____.

Signature: _____

(SEAL)

Typed Name: _____

The work described above accepted by the consultant is hereby acknowledged and final payment authorized.

Kathleen L. Rose, Mayor

(SEAL)

Date: _____

Attest: _____
Robin Kincaid, City Clerk

cc: Contractor

EXHIBIT L
ANTI-DISCRIMINATION AGAINST ISRAEL ACT CERTIFICATION

Pursuant to RSMo. §34.600, a public entity shall not enter into a contract to acquire or dispose of services, supplies, information technology, or construction valued at \$100,000, or with a contractor having ten or more employees, unless the contract includes a written certification that the person or company is not currently engaged in, and shall not, for the duration of the contract, engage in a boycott of:

Goods or services from the State of Israel;

Companies doing business in, or with, Israel

Companies authorized by, licensed by, or organized under, the laws of the State of Israel; or

Persons or entities doing business in the State of Israel.

For a definition of the term “boycott”, please refer to RSMo. §34.600.3.

By signing below, the entity agrees and certifies that it does not currently, and will not for the duration of this contract, engage in any of the types of boycotts listed above.

Contractor:

By: _____

Name: _____

Title: _____

DIVISION 1 – GENERAL REQUIREMENTS

01015 CONTRACTOR USE OF PREMISES

The Contractor shall confine all construction activities to the limits of the project right-of-way and easements. Any additional easements and access to private property that are desired outside the project limits are the responsibility of the Contractor.

If the Contractor desires access to private property that is outside the project limits, the Contractor shall obtain a written agreement between the Property Owner and the Contractor and submit this written agreement to the City prior to accessing the private property.

01030 SPECIAL CONDITIONS

- A. Examination of the Site: Contractors may visit the site and inform themselves of all conditions presently existing. Failure to visit the site will in no way relieve the successful contractor from the necessity of furnishing all materials and performing all work required to complete the work in accordance with the specifications.
- B. Measurements: Any dimensions provided shall be verified by the Contractor. Any discrepancies between the specifications and the existing conditions shall be referred to the Owner for adjustment, before the work is performed.
- C. Protection of Monuments: The Contractor must carefully preserve bench marks, references or stakes and in case of willful or careless destruction, shall be charged with the resulting expense and shall be responsible for any mistakes that may be caused by their unnecessary loss or disturbance.
- D. Breakage and Damage: The Contractor shall be responsible for any breakage, damage or other injury to existing or new facilities caused directly or indirectly by the Contractor's operations and shall replace, at Contractor's own expense, in a manner approved by the Owner any such broken or damaged material.
- E. Delivery of Materials: The delivery of all materials, equipment, and miscellaneous items entering into the construction of the work is a part of this contract, including freight and hauling charges both to and from transportation points. Payment of charges for the above items shall be made by the Contractor. An amount covering all charges for freightage and delivery of items shall be included as a part of the contract price and in no case will an extra be allowed for such charges.
- F. Storage of Materials: All materials delivered to the job shall be stored so as to keep them in first class condition and free from deterioration or contamination.
- G. Coordination: All contractors, subcontractors and trades shall cooperate in coordination of their several works, but the principal responsibility for coordinating the project as a whole and the operations of the contractors and subcontractors shall lie with the Prime Contractor.
- H. Blasting: No blasting will be allowed on this project.

01040 COORDINATION:

- A. All construction activities shall be coordinated with all utility owners and the City of Riverside. Contractor shall be responsible for notifying all utility owners with facilities within the project limits prior to construction so the utilities can be located and identified.
- B. All construction activities shall be coordinated with adjacent property owners affected by construction of the project to assure access to their properties. Driveways to adjacent properties shall be accessible at the end of each working day.
- C. The Contractor will be responsible for notifying the Resident Project Representative in writing of the dates when construction will begin and end. The City will notify the school district, fire, and police departments, and the local newspapers.
- D. The Contractor shall be responsible for obtaining all necessary permits, and paying for any and all inspection and permit fees as required by the City.
- E. Project Coordination Meetings: In addition to the above said coordination responsibilities, the Contractor shall attend construction progress meetings with the Resident Project Representative on a monthly basis (at a minimum). Additional meetings may be held as needed. No direct payment will be made for this item but shall be considered subsidiary to the proposal.
- F. The Contractor shall coordinate his/her work to ensure that the Work is complete and to ensure efficient and orderly sequence of installation of construction elements.
- G. In the event certain parts of work are assigned to subcontractors, the Contractor shall be responsible to ensure each subcontractor completes work and that all interfaces between trades are properly addressed. All subcontractors shall also coordinate their work with the Owner through the Contractor.
- H. The Contractor is solely responsible for all Assignments of Work among subcontractors.
- I. The Contractor shall be responsible for assigning and coordinating work and ensuring that suppliers and installers are familiar with all requirements in Contract Documents relating to each item of work, regardless of location of information in Contract Documents.

01270 MEASUREMENT AND PAYMENT

- A. The quantities as given in the Proposal are not guaranteed to be the exact or total quantities required for the completion of the Work shown on the drawings and described in the specifications. Increases or decreases may be made over or under the Proposal estimated quantities to provide for needs that are determined by the Owner

during the process of the Work. Contract unit prices shall apply to such increased or decreased quantities.

- B. The Contractor agrees that he will make no claim for damages, anticipated profits, or otherwise, on account of any difference between the amounts of Work actually performed and materials actually furnished and the estimated amounts thereof. The Owner will not pay for or be responsible for unused materials which may have been ordered by the Contractor in accordance with the estimated quantities listed in the Proposal.
- C. It is the intent of the Contract Documents that all costs in connection with the Work, including furnishing of all materials, equipment, supplies and appurtenances; providing all construction plant, equipment, and tools; and performing of all necessary labor to fully complete the Work, shall be included in the unit and lump sum prices named in the Proposal. No item of Work that is required by the Contract Documents for the proper and successful completion of the Contract will be paid for outside of or in addition to the prices submitted in the Proposal. All Work not specifically set forth in the Proposal as a pay item shall be considered a subsidiary obligation of the Contract, and all cost in connection therewith shall be included in the process named in the Proposal.
- D. If item does not appear in the Proposal, or if said item is a part of another item listed in the Proposal, it will not be measured for payment.
- E. Whenever in the Proposal there is a discrepancy between unit prices and extensions or totals, the unit prices will govern, and the extensions or totals will be corrected accordingly.
- F. Items for payment will be measured in accordance with the stipulations of these specifications and as further shown on the drawings. Pay limits given are maximum, and where actual quantities of work items are less than as computed by said pay limits, the Contractor will be paid only for the actual quantities.
- G. Payment will be made as the sum of the following:
 - 1. Final authorized quantity of each item in the Proposal multiplied by the contract unit price therefore.
 - 2. Lump sum payment for each item so listed in the Proposal, at the contract lump sum price therefore.
 - 3. Any special payment or adjustment, plus or minus, as provided for in the Agreement.

01310 JOB SITE ADMINISTRATION

- A. The Contractor, or a duly authorized representative to act for the Contractor, shall continually be present at the site of the work, whenever construction activities are underway, for the duration of this project.
- B. The Contractor shall designate, in writing, the duly authorized representative(s) at the preconstruction meeting. The duly authorized representative(s) will be the official liaison between the Owner and Contractor regarding the signing of pay estimates, change orders, workday reports and other forms necessary for communication and project status inquiries. Upon project commencement, the Owner shall be notified, in writing, within five (5) working days of any changes in the Contractor's representative(s).

01320 CONSTRUCTION SCHEDULE

- A. General: The Contractor shall prepare and maintain a construction schedule for the duration of the project.
- B. Baseline Schedule: The Contractor shall prepare a baseline schedule to be presented to the Owner for review at the pre-construction meeting. The baseline construction schedule shall be in a form approved by the Owner and shall include at least the following information for each significant work item during each phase of the project:
 - 1. Beginning date of Project.
 - 2. Ending date of Project.
 - 3. Beginning Date of Each Phase.
 - 4. Completion Date of Each Phase.

Anticipated Notice to Proceed: 08/07/2022

Project Completion: November 1, 2022

The Owner will review the proposed progress schedule, and may require the Contractor to revise the same if, in the Owner's judgment, revisions are required to provide for completion of the project within the Contract Time.

- C. Schedule Updates: In addition to submitting a baseline project schedule, the Contractor shall update the project schedule prior to each monthly construction progress meeting. The updated schedule shall show the original baseline schedule, the actual work progress and the estimated completion of each significant work item for each phase of the project. The updated schedule shall be distributed to the City at each progress meeting.
- D. Payment: No direct payment shall be made.

01410 TESTING LABORATORY SERVICES

- A. General: Work under this item shall consist of furnishing all materials, labor and equipment necessary for a private testing laboratory to provide the material testing for items incorporated into the project. The tests, frequency and reports required to confirm contract compliance shall be as specified in the KCAPWA Standard Specifications unless otherwise noted below:

One copy of the test results shall be submitted to the Owner electronically within 24 hours of the test completion.

The testing lab must be agreed upon by the Contractor and the Owner.

- B. Payment: No direct payment shall be made. This item shall be considered subsidiary to the proposal items of the materials being tested.

01524 WASTE AREA, MATERIAL STORAGE AND SITE APPEARANCE

- A. General: The Contractor shall make his own arrangements for material and equipment storage areas and non-soil waste area.

The Contractor shall keep the site clean and free of all refuse, rubbish, scrap materials, and debris as a result of construction activities so that at all times the site of the work shall present a neat, orderly and workmanlike appearance. This includes the removal of earth and debris from streets and roads that resulted from the Contractor's activity. The Contractor shall restore the site of work and adjacent disturbed areas to the condition existing before work began as a minimum.

- B. Payment: No direct payment shall be made. This item shall be considered subsidiary to the Proposal item, "Mobilization".

01570 TEMPORARY TRAFFIC CONTROL

- A. General: Temporary traffic control on this project shall be done in accordance with Section 616 and all referenced sections of the Missouri Standard Specifications for Highway Construction (current edition) as published by the Missouri Highways and Transportation Commission.

This section shall cover all temporary traffic control devices as detailed on the plans or as directed by the Owner in charge of construction.

- B. Temporary Traffic Control Devices: All temporary traffic control devices shall be in conformance with "Part 6 of the Manual on Uniform Traffic Control Devices (MUTCD)," Current Edition and its latest revisions.

- C. Payment: No direct payment shall be made.

DIVISION 2 – SITEWORK

02532 CURED-IN-PLACE PIPE

PART 1: GENERAL

1.01 SCOPE: This section governs all work, materials, and testing for installation of Cured-In-Place Pipe (CIPP) for the lining of storm pipes. A flexible, polyester felt liner, saturated with a *thermosetting resin*, shall be inverted into the existing pipeline utilizing hydrostatic head or compressed air, or pulled into place. Curing shall be accomplished by circulating hot water or pressurized steam to cure the resin into a hard impermeable pipe. When cured, the hardened liner shall extend from end to end (manhole to manhole) of the section being lined in a continuous tight fitting watertight pipe-within-a-pipe.

1.02 GENERAL:

- A. Description: This specification references ASTM F-1216 and ASTM F-1743, which describe the requirements for the installation of cured-in-place pipe. Liner installation shall consist of furnishing all labor, materials and equipment for the complete installation of cured-in-place pipe in accordance with Contract Drawings, General Conditions, and these specifications.
- B. Specification Modifications: It is understood that throughout this section these Specifications may be modified by appropriate items in the Modifications to Detailed Specifications or notes on the Contract Drawings.
- C. Revisions of Standards: When reference is made to a Standard Specification, i.e., ASTM, ANSI, AWWA, the Specification referred to shall be understood to mean the latest revision of said specification as amended at the time of the Notice to Contractor, except as noted on the Drawings or in the Modifications to Detailed Specifications.
- D. Items Furnished by Owner: Owner will provide water necessary to perform the work, and a disposal site for debris removed in the performance of the work.

1.03 PERFORMANCE CRITERIA:

- A. The following performance criteria shall apply:
 - 1. The trenchless reconstruction process must be proven technology.
 - 2. The CIPP process shall be a custom designed pipe that will provide structural repair to the host pipe.
 - 3. The process must be a cured-in-place pipe process so as to be the most effective in reducing infiltration.
 - 4. There must be independent third-party verification of long-term physical properties and the enhancement factor in pipe design.
 - 5. The end pipe product shall not reduce flow after installed in the host pipe.
 - 6. A 24-hour emergency response time is mandatory.

7. Pulled-in-Place methods will be allowed, unless the pipe condition is not conducive to this method.
8. UV cured CIPP processes will not be allowed.

1.04 UNIT PRICES: Each item listed under this specification shall be measured and paid for at the unit price per lineal foot, at set forth on the Proposal.

A. The unit price shall include all labor, materials, equipment, overhead and profit, and incidentals necessary to complete the work, including the following:

1. Cleaning and removal of roots from the storm pipe, as required.
2. Trimming of intruding lateral taps, as required. Lateral taps shall be trimmed flush with the inside of the main pipe.
3. Pre-installation closed-circuit color television inspection recordings on media specified by the Owner. Also surface video inspection.
4. By-passing of existing storm flows required on all inversions except where noted.
5. Installation of pre-liner membrane, if indicated on the Proposal.
6. CIPP wet out, placement by inversion or pull-in, curing, and finishing per ASTM F-1216, ASTM F-1743 and D 5813.
7. Post-installation Television Inspection recordings on media specified by the Owner as well as written report form.
8. Traffic control using cones and flashing barricades as required.
9. Complete conformance to O.S.H.A. confined space entry safety regulations.
10. Fences removed and replaced; traffic control; site restoration; and other incidental construction.
11. Standard one-year warranty after completion of project.
12. Permits, Licensing, & Insurance as required.

1.05 WARRANTY: In lieu of all other expressed or implied and/or statutory warranties, including warranties of merchantability and fitness for a particular purpose, Contractor agrees to correct any defects in the materials or services provided by Contractor which are brought to the attention of contractor within one year following acceptance of Contractor's work (date of Final Payment), provided Owner affords Contractor suitable access and working conditions to accomplish such correction.

1.06 PRODUCT AND INSTALLER QUALIFICATION REQUIREMENTS: Since products are intended to have a minimum 50 year design life, and in order to minimize the Owner's risk, only proven products with substantial successful long term track records will be approved. Products and Installers seeking approval must possess all of the following criteria to be deemed Commercially Acceptable. Contractors shall provide documentation of these requirements WITH THE PROPOSAL.

A. Product Experience: For a Product to be considered Commercially Proven, a minimum of 1,000,000 linear feet or 4,000 manhole-to-manhole line

segments of successful wastewater collection system installations in the U.S. must be documented to the satisfaction of the Owner to assure commercial viability. In addition, at least 100,000 linear feet of the product shall have been in successful service within the State for a minimum of five years.

- B. **Installing Contractor Experience:** For a Contractor to be considered as Commercially Proven, the Contractor must satisfy all insurance, financial, and bonding requirements of the Owner, and must have had at least 5 (five) years active experience in the commercial installation of the product proposed. In addition, the Contractor must have successfully installed at least 1,000,000 feet of the same product proposed in wastewater collection systems. Field Supervisor/Foreman: Minimum five (5) years as a foreman/superintendent for a cured-in-place lining crew (installing actual product included with this project), and a minimum of 50,000 lineal feet of cured-in-place lining installed under his/her supervision. Such experience shall include the actual product, by trade name, CONTRACTOR proposes to install. Acceptable documentation of these minimum installations must be submitted to the Owner.
- C. For a product and installer to be Commercially Proven, the installer must own and operate a legally permitted permanent facility to impregnate the CIPP tubes. To ensure the Owner all installed products will meet the minimum product quality control standards set forth by the manufacture, all CIPP liners shall be impregnated by the approved product's licensed installer that is performing the work. No pre-impregnated CIPP products will be accepted from a third-party vendor. Contractors shall provide documentation of this facility with the proposal.
- D Storm rehabilitation products submitted for approval must provide Third Party Test Results supporting the long term performance and structural strength of the product and such data shall be satisfactory to the Owner. Test samples shall be prepared so as to simulate installation methods and trauma of the product. No product will be approved without independent third party testing verification.
- E. Both the rehabilitation manufacturing and installation processes shall operate under a quality management system which is third-party certified to ISO 9001. Proof of certification shall be required for approval.
- F. If either the installer or the manufacturer cannot meet the experience and qualification requirements set forth above, Contractor may furnish a cash bond to Owner. The cash bond shall be in the amount of 50 percent of the total Proposal price of the cured-in-place line segments, delivered in certified funds to Owner. Owner will hold the bond for a period of five years from the date of Final Acceptance of the Work by Owner.

1.07 SUBMITTALS: The Contractor shall submit the following submittal items.

- A. Product Data for Review:
1. Product properties, materials, and data sheets.
 - a) Flexural Strength ASTM D-790
 - b) Flexural Modulus ASTM D-790
 - c) Tensile Strength ASTM D-638
 - d) Tensile Modulus ASTM D-638
 - e) Corrosion Resistance ASTM F-1216
 - f) Impact Strength ASTM D-256, method A
 - g) Shear Strength ASTM D-732
 - h) Hardness (Barcol 33) ASTM D-2583
 - i) Std. Practice for Rehabilitation of existing Pipelines by Inversion and Curing of a Resin Impregnated Tube, ASTM F-1216,
 - j) Std. Practice for Rehabilitation of pipelines by pulled-in-place installation of a cured-in-place thermosetting resin pipe, ASTM F1743. (If applicable to the proposed reconstruction system)
 - k) Data from any other laboratory tests which demonstrate the properties, including long term properties, of the reconstruction system.
 2. Manufacturer's approval of designated installation contractor.
 3. Design Methodology: Describe and provide third party test data and documentation of the design calculations of the thickness recommendations of the finished reconstruction system. Include confirmation that the proposed reconstruction system will withstand the external pressures from ground water and any loads (depth, water table, soil type, traffic/non-traffic areas, etc.). Describe the conditions that will constitute fully deteriorated design calculations. Submit the empirical test data verifying the individual design calculations.
- B. Manufacturer's Certificates: Contractor shall furnish the following prior to shipment:
1. Affidavit of compliance with applicable standard.
 2. Structural Properties: Storm rehabilitation products submitted for approval must provide Third Party Test Results supporting the long term performance and structural strength of the product and such data shall be satisfactory to the Owner. Test samples shall be prepared so as to simulate installation methods and trauma of the product. No product will be approved without independent third party testing verification. Submit responsible third party test data to demonstrate compliance with the technical specifications pertaining to the proposed reconstruction system for each of the following properties (NOTE: Results shall be of coupons taken from samples obtained after installation).
 3. The rehabilitation product shall have ISO 9002 Certification or equal for its quality control and assurance programs. Proof of

certification shall be required for approval.

C. One-Year Warranty.

PART 2: PRODUCTS:

2.01 PRODUCT REQUIREMENTS: This part governs materials for complete cured-in-place liner installations.

A. **Liner Material and Cured Lining:** The lining material shall be a polyester fiber felt tubing, lined on one side with polyethylene (lined on both sides for pull-in insertion method) and fully impregnated with a liquid thermosetting resin as specified. Lining thickness (actual): The Contractor shall submit a design schedule to the Engineer, reflecting industry standards for fully deteriorated pipe conditions. The polyester felt tubing, including the polyethylene covered felt and thermosetting resin, shall meet the liner's manufacturer's standards. The cured lining material shall conform to the minimum structural standards set forth herein.

Cured Liner	Standard	Results
Flexural Stress	ASTM D-790	4,500 psi
Modulus of Elasticity	ASTM D-790 (short term)	400,000 psi

B. **Materials:**

1. The liner tube shall meet the requirements of ASTM F-1216, Section 5.1, or ASTM F-1743, Section 5. The tube shall be constructed to withstand installation pressures, have sufficient strength to bridge missing pipe, and stretch to fit irregular pipe sections.
2. The wet out Tube shall have a uniform thickness that when compressed at installation pressures will meet or exceed the Design thickness.
3. The Tube shall be sewn to a size that when installed will tightly fit the internal circumference and length of the original pipe. Allowance should be made for circumferential stretching during inversion. Overlapped layers of felt in longitudinal seams that cause lumps in the final product shall not be utilized.
4. The outside layer of the Tube (before wet out) shall be coated with an impermeable, flexible membrane that will contain the resin and facilitate monitoring of resin saturation during the resin impregnation (wet out) procedure. The membrane coating shall not be subject to delamination after curing of the cured-in-place pipe (CIPP).

5. The Tube shall be homogeneous across the entire wall thickness containing no intermediate or encapsulated elastomeric layers. No material shall be included in the Tube that may cause delamination in the cured CIPP. No dry or unsaturated layers shall be evident.
6. The wall color of the interior pipe surface of the CIPP after installation shall be a light reflective color so that a clear detailed examination with closed circuit television inspection equipment can be made. The wall color and distribution of pigment shall be uniform, without splotches or mottling.
7. Seams in the Tube shall be stronger than the non-seamed felt.
8. The outside of the Tube shall be marked for distance at regular intervals along its entire length, not to exceed 5 ft. Such markings shall include the Manufacturers name or identifying symbol. The tubes must be manufactured in the USA.
9. Resin - The resin system shall be a corrosion resistant polyester, vinyl ester, or epoxy and catalyst system that when properly cured within the tube composite meets the requirements of ASTM F1216 and ASTM F1743, the physical properties herein, and those which are to be utilized in the Design of the CIPP for this project. The resin shall produce CIPP which will comply with the structural and chemical resistance requirements of this specification.

C. Structural Requirements:

1. The CIPP shall be designed as per ASTM F1216, Appendix X.1. The CIPP design shall assume no bonding to the original pipe wall.
2. The Contractor must have performed long-term testing for flexural creep of the CIPP pipe material installed by Contractor's Company. Such testing results are to be used to determine the Long-term, time dependent flexural modulus to be utilized in the product design. This is a performance test of the materials (Tube and Resin) and general workmanship of the installation and curing. A percentage of the instantaneous flexural modulus value (as measured by ASTM D-790 testing) will be used in design calculations for external buckling. The percentage, or the long-term creep retention value utilized, will be verified by this testing. Values in excess of 50% will not be applied unless substantiated by qualified third party test data. The materials utilized for the contracted project shall be of a quality equal to or better than the materials used in the long-term test with respect to the initial flexural modulus used in Design.
3. The Enhancement Factor 'K' to be used in 'Partially Deteriorated' Design conditions shall be assigned a value of 7. Application of Enhancement (K) Factors in excess of 7 shall be substantiated through independent test data.
4. The layers of the cured CIPP shall be uniformly bonded. It shall not be possible to separate any two layers with a probe or point of a knife blade so that the layers separate cleanly or the probe or knife blade moves freely between the layers. If separation of the layers occurs during testing of field samples, new samples will be cut from the work. Any reoccurrence may

cause rejection of the work.

- C. **Liner Length:** The length of the liner shall be that deemed necessary by the Contractor to effectively carry out the inversion and seal the liner at the inlet and outlet points. Unless indicated otherwise on the drawings, the liner shall terminate at manholes and not within the pipe. The Contractor shall verify the lengths in the field before cutting the liner to length. Individual inversion runs can be made over one or more access points as determined in the field by the Contractor and approved by the Owner.
- D. **Pre-Liner Membrane:** A pre-liner membrane shall be used where noted on the Proposal or Drawings, in locations where heavy infiltration is present. Pre-liner membrane shall be a 3-ply laminate combining two layers of linear low-density polyethylene and a high-strength cord grid. Membrane shall have a permeance less than 0.040 grain/hour-sf-in. Hg. Pre-liner shall be Griffolyn TX-1200, or equal.

PART 3: INSTALLATION:

3.01 **INSPECTION AND TESTING:** Inspection and testing shall be performed by the Manufacturer's quality control personnel in conformance with applicable standards. Testing may be witnessed by Owner or approved independent testing laboratory. The Contractor shall provide three (3) copies of certified test reports indicating that material does conform to the specifications.

- A. **Chemical Resistance -** The CIPP shall meet the chemical resistance requirements of ASTM F1216, Appendix X2. CIPP samples for testing shall be of tube and resin system similar to that proposed for actual construction. It is required that CIPP samples with and without plastic coating meet these chemical testing requirements.
- B. **Hydraulic Capacity -** Overall, the hydraulic profile shall be maintained as large as possible. The CIPP shall have a minimum of the full flow capacity of the original pipe before rehabilitation. Calculated capacities may be derived using a commonly accepted roughness coefficient for the existing pipe material taking into consideration its age and condition.
- C. **CIPP Field Samples -** When requested by the Owner, the Contractor shall submit test results from field installations in the USA of the same resin system and tube materials as proposed for the actual installation. These test results must verify that the CIPP physical properties specified in Section 5.5 have been achieved in previous field applications. Samples for this project shall be made and tested as described in Section 10.1.

3.02 **PRE-INSTALLATION:**

- A. **Safety:** The Contractor shall carry out his operations in strict accordance with all OSHA and manufacturers' safety requirements. Particular attention is drawn to those

safety requirements involving working with scaffolding and entering confined spaces.

- B. Notice to Public : The Contractor shall notify the affected public at least 2 days, but no more than 14 days prior to televising, cleaning, or prepping a line segment in which they may be affected.
1. This notification, approved by Owner, should be in the form of door hangers and shall make the residents aware of the upcoming project and how it might affect them.
 2. This notice shall include a local telephone number of the Contractor.
 3. Also, the Contractor shall notify the public 24 hours before the actual inversion will take place.
 4. The notifications shall be distributed to all homeowners affected by repair, as well as resident's one segment upstream and downstream of the repair location.
 5. The Contractor shall personally contact any home or business which cannot be reconnected within the time stated on the written notice.
- C. Cleaning of Pipelines: Prior to any lining of a pipe so designated, it shall be the responsibility of the Contractor to remove internal deposits from the pipeline using accepted storm cleaning techniques.
1. The Contractor shall remove all internal debris from of the storm line that will interfere with the installation of CIPP.
 2. The Contractor shall properly dispose of all debris removed from the storms during the cleaning operation.
- D. Inspection of Pipelines: Inspection of pipelines shall be performed by experienced personnel trained in locating breaks, obstacles and service connections by closed circuit television. The interior of the pipeline shall be carefully inspected to determine the location and extent of any structural failures. The location of any conditions which may prevent proper installation of lining materials into the pipelines shall be noted so that these conditions can be corrected. A video recording Digital Format and suitable hardcopy log shall be kept and delivered to Owner when the lining work is complete.
- E. Line Obstructions: It shall be the responsibility of the Contractor to clear the line of all obstructions that will prevent the proper installation of the liner. Obstructions which cannot be removed by conventional cleaning methods may require an open cut point repair prior to liner installation. Open cut point repairs, if required prior to trenchless installation of liner pipe due to blockage or collapsed host pipe, shall be negotiated by the Owner and Contractor. Said cost to be in addition to unit cost.
- F. Protective Measures: In order to reduce homeowner complaints of burnt grass, the Contractor shall provide protective measures (e.g. felt, blocks of wood) to create a barrier between the boiler hoses and the grass for each inversion.

3.03 INSTALLATION:

A. Wet Out

1. The Contractor shall designate a location where the uncured resin in the original containers and the unimpregnated liner will be serial vacuum impregnated prior to installation. The Contractor shall allow the Owner to inspect the materials and "wet out" procedure.
2. A resin and catalyst system compatible with the requirement of this method shall be used.
3. The quantity of resin used for the tube impregnation shall be sufficient to fill the volume of air voids in the tube with additional allowances for polymerization shrinkage and the loss of resin through cracks and irregularities in the original pipe wall.
4. A serial vacuum impregnation process shall be used. To insure thorough resin saturation throughout the length of the felt tube, the point of vacuum shall be no further than 25 feet from the point of initial resin introduction. After vacuum in the tube is established, a vacuum point shall be no further than 75 feet from the leading edge of the resin. The leading edge of the resin slug shall be as near to perpendicular as possible. A roller system shall be used to uniformly distribute the resin throughout the tube. If the Installer uses an alternate method of resin impregnation, the method must produce the same results. Any alternate resin impregnation method must be proven.

B. Inversion/Insertion Method:

1. The "wet out" liner shall be inserted through an existing manhole or other approved access by means of an inversion process and the application of a hydrostatic head sufficient to fully extend the liner to the next designated access point.
2. As an alternate, the wet-out tube may be inverted using air pressure, as set forth in ASTM F 1216-09 Par. 7.4.2.
3. The impregnated liner materials shall be inserted into the inversion tube with the impermeable plastic membrane side out. At the lower end of the inversion tube, the liner tube shall be turned inside out and attached to the inversion tube so that a leak-proof seal is created.
4. The inversion head will be adjusted to be of sufficient height to invert the liner to the next access point designated and to hold the liner snug to the pipe wall and to produce dimples at side connections and flared ends at the entrance and exit access points.
5. The use of a lubricant is recommended and if used, such lubricant shall be as approved by the liner manufacturer's standards.
6. The liner manufacturer's standards shall be closely followed during the elevated curing temperature so as not to overstress the felt fiber and cause damage or failure of the liner prior to curing. (In certain cases, the Contractor may elect to use a Top Inversion. In this method, the liner is pre-inverted to a distance that corresponds to the minimum inversion head and instead of attaching to an elbow at the base of the inversion tube; the liner is attached to a top ring).

C. Pull-In Method: CIPP installation shall be in accordance with ASTM F1743, Section 6. Temperature gauges shall be placed inside the tube at the invert level of each end to monitor the temperatures during the cure cycle.

D. Liner Curing

1. After inversion is completed, the Contractor shall supply a suitable heat source and water re-circulation equipment, or steam delivery equipment.
2. The equipment shall be capable of delivering hot water to the far end of the liner through a hose, which has been perforated per the liner manufacturer's recommendations, to uniformly raise the water temperature in the entire liner above the temperature required to effect a cure of the resin.
3. As an alternate method: the pipeline may be cured using steam circulation, as set forth in ASTM F 1216-09 Par. 7.6.2.
4. This temperature shall be determined by the resin/catalyst system employed. The heat source shall be fitted with suitable monitors to gauge the temperature of the incoming and outgoing heat exchanger circulating water.
5. Water temperature in the line during the cure period shall not be less than 180 degrees F or more than 200 degrees F as measured at the heat exchanger return line.
6. Initial cure shall be deemed to be completed when inspection of the exposed portions of the liner appear to be hard and sound. The cure period shall be of the duration recommended by the resin manufacturer, as modified for the inversion lining process, during which time the re-circulation of the water and cycling of the heat exchanger to maintain the temperature in the liner continues.

D. Cool-Down: The Contractor shall cool the hardened liner to a temperature below 100 degrees F before relieving the static head in the inversion tube. Cool-down may be accomplished by the introduction of cool water into the inversion tube to replace water being drained from a small hole made in the end of the liner at the downstream end. Care shall be taken in the release of the static head such that a vacuum will not be developed that could damage the newly installed liner. As an alternate: the cool-down may be accomplished by circulation of cool air. The cool-down process shall comply with the resin manufacturer's specifications.

3.04 FINISH: The finished lining shall be continuous over the entire length of an insertion run and be as free as commercially practicable from visual defects such as foreign inclusions, dry spots, pinholes and delamination. The lining shall be impervious and free of any leakage from the pipe to the surrounding ground or from the ground to the inside of the lined pipe. Any defects which will affect the integrity or strength of the lining shall be repaired at the Contractor's expense, in a manner mutually agreed by the Owner and the Contractor.

3.05 POST-INSTALLATION

A. Sealing Liner at Ends: If due to broken or misaligned pipe at the access point, the lining fails to make a tight seal, the Contractor shall apply a seal at that point. The seal shall be of a resin mixture compatible with the liner.

- B. Liner Trimming: After the liner has been cured, the liner shall be trimmed entering and exiting the manhole, so that it is nearly flush with the manhole wall. Also, a V-notch shall be cut in the crown of the liner in the downstream manhole, so as to reduce future wear on television cables or cleaning equipment. For each inversion of 2 or more line segments using a single liner, the liner should be cut flush with the trough at the intermediate manhole(s), so that there is no ponding on the bench of the manhole(s). If additional line segments enter these intermediate manhole(s), the liner should not obstruct the flow from these lines.
- C. Liner Testing:
1. The water tightness of the liner shall be gauged while the liner is curing and under a positive head (or steam pressure).
 2. For each work order released, one CIPP sample for each diameter shall be prepared and physical properties tested in accordance with ASTM F1216 or ASTM F1743, Section 8, using either method proposed. The flexural properties must meet or exceed the values listed in Table 1 of the applicable ASTM.
 3. After the work is completed, the Contractor will provide the Owner with a video recording showing both the before lined and after lined conditions, including the restored connections. Visual inspection of the CIPP shall be in accordance with ASTM F1743, Section 8.6.
- D. Restoration: Upon completion of the installation work and after required testing indicates the lining is acceptable; the Contractor shall clean up the project area affected by the work. The Contractor shall restore the project site to conditions not less than those existing prior to his entry thereon, unless otherwise required by these specifications.
1. The Contractor shall coordinate surface restoration work with the affected private property owners.
 2. Private property over which the Owner has prior rights (i.e., utility easement, storm easement) and/or has obtained rights-of-way, licenses and/or agreements from the property owner to allow construction of a storm pipeline and appurtenances, shall be restored in conformance with these Contract Documents.
 3. Public property shall be restored with strict adherence to the requirements of the Contract Documents.

END OF SECTION 02532

Lining thickness for 15" and 18" pipes are based on the attached calculations from SAK.

Cured-In-Place Pipe (CIPP) Wall Thickness Design and Hydraulic Capacity Calculations

Project: Storm Sewer CIPP
Location: Riverside, MO
Owner: City of Riverside
Line Segment(s): 15" Storm Sewer GW at Top of Pipe
MH Depth:

14

Minimum Thickness: 6.2 mm
Nominal Thickness: 7.5 mm

Design Assumptions:

Shaded cells are user-defined

Condition of host pipe	FD	PD = partially deteriorated, FD = fully deteriorated
Inside diameter of host pipe (in)	15	
Ovality of host pipe (%)	5.0	Default value is 2%; range = 0%-10%
Slope of host pipe (ft/ft)	0.003	
Host pipe Manning's roughness (dimensionless)	0.013	varies from 0.013-0.030 (dependent on existing pipe material, geometry, diameter and condition)
CIPP Manning's roughness (dimensionless)	0.010	varies from 0.009-0.013
Constrained soil modulus of native soil in the pipe zone (psi)	M_{sn} = 1,000	See table below for recommended values

From Table 5.6 of AWWA Manual of Water Practices M45, Second Edition

Granular Native Soils		Unconfined compressive strength (q _u)		Cohesive Native Soils		M _{sn}	
Blows/ft (per ASTM D1586)	Description	tons/sf	kPa	Description	psi	kPa	
> 0 - 1	very, very loose	> 0 - 0.125	0 - 13	very, very soft	50	0.3	
1 - 2	very loose	0.125 - 0.25	13 - 25	very soft	200	1.4	
2 - 4	loose	0.25 - 0.50	25 - 50	soft	700	4.8	
4 - 8	loose	0.50 - 1.0	50 - 100	medium	1,500	10.3	
8 - 15	slightly compact	1.0 - 2.0	100 - 200	stiff	3,000	20.7	
15 - 30	compact	2.0 - 4.0	200 - 400	very stiff	5,000	34.5	
30 - 50	dense	4.0 - 6.0	400 - 600	hard	10,000	69.0	
> 50	very dense	> 6.0	> 600	very hard	20,000	138.0	

Flexural modulus of Elasticity of CIPP, initial (psi)	E = 400,000	Minimum value is 250,000 psi per ASTM F1216
Long-term retention of mechanical properties (%)	50%	Default value is 50%
Flexural modulus of elasticity of CIPP, long-term (psi)	E_L = 200,000	Determined from long-term retention %
Design safety factor	N = 2	Default value is 2.0
Unit weight of soil (pcf)	δ_s = 120	Applies to fully deteriorated designs only
Unit weight of water (pcf)	δ_w = 62.4	
Depth of cover (ft)	H = 12.75	Measured from ground surface to top of pipe
Height of groundwater (ft)	H_w = 0.00	Measured from top of pipe; Note: If water table is below top of pipe, input a negative number!
Internal vacuum pressure (psi)	P_v = 0.0	Default value is 0
Internal pressure (psi)	P = 0.0	Pressure pipe applications only! If no pressure, input 0
Diameter of hole or opening in original pipe wall (in)	d = 0.0	Pressure pipe applications only! If no pressure, input 0
Poisson's ratio of CIPP	ν = 0.30	Average value for CIPP per ASTM F1216
Flexural strength of CIPP, initial (psi)	σ_i = 4,500	Minimum value is 4,500 psi per ASTM F1216
Flexural strength of CIPP, long-term (psi)	σ_L = 2,250	Determined from long-term retention %
Tensile strength of CIPP, initial (psi)	σ_T = 3,000	Pressure pipe applications only!
Tensile strength of CIPP, long-term (psi)	σ_{TL} = 1,500	Determined from long-term retention %
Enhancement factor (dimensionless)	K = 7.0	Minimum value recommended per ASTM F1216
Surface live loading condition	HS20	HS20, HL93, E80 or airport

H20 Calculations as per AASTHO, Seventh Edition, 2014 (Highway Loads)

<p>For live load distribution transverse to culvert spans, the wheel/axle load interaction depth $H_{int,t}$ shall be determined as:</p> $H_{int,t} = \frac{s_w - w_t - 0.06D_i}{LLDF} \quad (3.6.1.2.6b-1)$ <p>in which:</p> <ul style="list-style-type: none"> where $H < H_{int,t}$: $w_w = \frac{w_t}{12} + LLDF(H) + 0.06 \frac{D_i}{12} \quad (3.6.1.2.6b-2)$ <ul style="list-style-type: none"> where $H \geq H_{int,t}$: $w_w = \frac{w_t}{12} + s_w + LLDF(H) + 0.06 \frac{D_i}{12} \quad (3.6.1.2.6b-3)$	<p>For live load distribution parallel to culvert span, the wheel/axle load interaction depth $H_{int,p}$ shall be determined as:</p> $H_{int,p} = \frac{s_w - l_t}{LLDF} \quad (3.6.1.2.6b-4)$ <p>in which:</p> <ul style="list-style-type: none"> where $H < H_{int,p}$: $l_w = \frac{l_t}{12} + LLDF(H) \quad (3.6.1.2.6b-5)$ <ul style="list-style-type: none"> where $H \geq H_{int,p}$: $l_w = \frac{l_t}{12} + s_w + LLDF(H) \quad (3.6.1.2.6b-6)$	<p>A_{LL} = rectangular area at depth H (ft²) l_w = live load patch length at depth H (ft) w_w = live load patch width at depth H (ft) $H_{int,t}$ = wheel interaction depth transverse to culvert span (ft) s_w = wheel spacing, 6.0 ft w_t = tire patch width, 20 (in.) D_i = inside diameter or clear span of the culvert (in.) $LLDF$ = live load distribution factor as specified in Table 3.6.1.2.6a-1 H = depth of fill over culvert (ft) $H_{int,p}$ = axle interaction depth parallel to culvert span (ft) s_w = axle spacing (ft) l_t = tire patch length, 10 (in.)</p>
<p>The rectangular area, A_{LL}, shall be determined as:</p> $A_{LL} = l_w w_w \quad (3.6.1.2.6a-1)$	<p>The live load vertical crown pressure shall be determined as:</p> $P_L = \frac{P \left(1 + \frac{IM}{100} \right) (m)}{A_{LL}} \quad (3.6.1.2.6b-7)$	<p>where:</p> <p>P_L = live load vertical crown pressure (ksf) P = live load applied at surface on all interacting wheels (kip) IM = dynamic load allowance as specified in Article 3.6.2.2 m = multiple presence factor specified in Article 3.6.1.1.2 A_{LL} = rectangular area at depth H (ft²)</p>

Load Type	HS20
Inside dia of host pipe	D_i = 15.0 in
Tire patch width	w_t = 20.0 in
Tire patch length	l_t = 10.0 in
Wheel spacing	s_w = 6.0 ft
Axle spacing	l_w = 14.0 ft
Live Load Distribution factor	LLDF = 1.15
Depth of fill over culvert	H = 12.8 ft
Wheel interaction depth - transverse	H_{int,t} = 3.7 ft
Live load patch width at depth H	w_w = 22.4 ft
Wheel interaction depth - parallel	H_{int,p} = 11.4 ft
Live load patch length at depth H	l_w = 29.5 ft
Rectangular area at depth H	A_{LL} = 660.8 sq. ft
Number of loaded lanes	n = 1.0
Multiple presence factor	m = 1.2
Dynamic load allowance	IM = 0.0
Live load applied at surface (Total applied surface wheel load)	P = 64,000.0 lb
Live load vertical crown pressure	P_L = w_{LH} = 0.81 psi
H20 live load transferred to pipe at depth H (psi)	w_{LH} = 0.81 psi

E80 Calculations (Railway Loads)

E80 live load transferred to pipe at depth H (psi)

$w_{LR} = 0.00$ from graph below

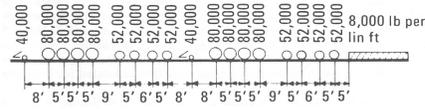
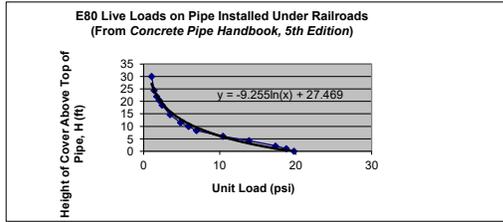


Figure 4.30. Spacing of Wheel Loads Per Axle for a Cooper E 80 Design Loading.

Airport Loads

- Modulus of elasticity of concrete (psi)
- Poisson's ratio of concrete (dimensionless)
- Modulus of subgrade reaction (lb/in³)
- Thickness of concrete pavement (in)
- Depth of cover, top of pipe to bottom of slab (ft)
- Horizontal distance from pipe centerline (ft)

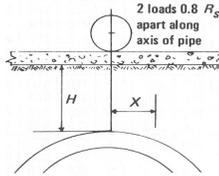
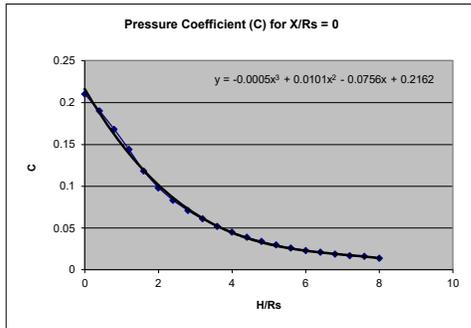
$E_c = 4,000,000$ default value is 4,000,000
 $\mu = 0.15$ default value is 0.15
 $k = 250$ see adjacent figure
 $h = 12$
 $H = 11.8$
 $X = 0$ assumed = 0 (worst case)
 $R_s = 3.27$
 $P_{LA} = 90,000$

$$R_s = \sqrt[4]{\frac{Eh^3}{12(1-\mu^2)k}}$$

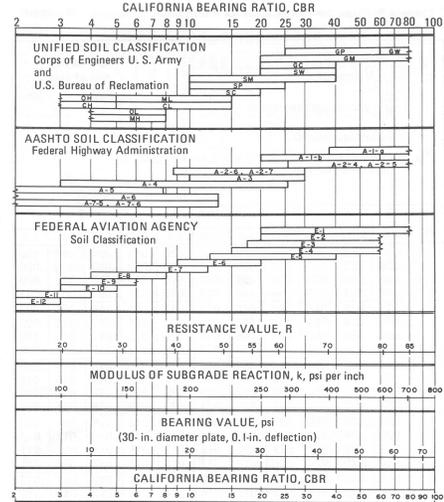
Radius of stiffness of the rigid pavement (ft)

Wheel load (lbs)

Worst-case loading scenario is for 2 loads spaced 0.8R_s apart and is calculated below. For alternate loading conditions, see *Concrete Pipe Handbook, 5th Edition*



$H/R_s = 3.599$
 $C = 0.052$



Airport live load transferred to pipe at depth H (psi)

$w_{LA} = 0.00$

$$w_{LA} = CP/R_s^2$$

Wall Thickness Design

Partially Deteriorated Gravity Pipe Condition

Ovality reduction factor (dimensionless)

$C = 0.64$

$$C = \left(\frac{1 - q/100}{1 + q/100} \right)^3$$

External hydrostatic pressure from groundwater (psi)

$P_w = 0.54$

$$P_w = \gamma_w(H_w + D/12)/144$$

Minimum thickness required, hydrostatic buckling

$t_1 = 0.12$ in
 $= 3.10$ mm

$$t_1 = \frac{D}{\left(\frac{2KEC}{(1-\nu^2)N(P_w + P_v)} \right)^{1/2} + 1}$$
 ASTM F1216, Equation X1.1

Minimum thickness required, ovality check

$t_2 = 0.09$ in
 $= 2.30$ mm
 $SDR_2 = 166$

$$1.5 \frac{q}{100} \left(1 + \frac{q}{100} \right) SDR^2 - 0.5 \left(1 + \frac{q}{100} \right) SDR \frac{C}{P_w} = 0$$
 ASTM F1216, Equation X1.2
 If $P_w = 0$, default $SDR = 100$

Quadratic factors for Eq. X1.2: $a = 0.07875$, $b = -0.525$, $c = -2076.923$

Fully Deteriorated Gravity Pipe Condition

- Total live load transferred to pipe at depth H (psi) =
- Water buoyancy factor (dimensionless)
- Total external pressure on pipe (psi)
- Coefficient of elastic support (in-lb)

$W_s = 0.81$ From live load calculations
 $R_w = 1.00$
 $q_t = 11.43$
 $B' = 0.364$

$$R_w = 1 - 0.33(H_w/H)$$
 (min. value = 0.67)
 $q_t = 0.433H_w + \delta_s HR_w/144 + W_s$
 $B' = 1/(1 + 4e^{-0.068H})$
Note: If $H_w < 0$, use $H_w = 0$ in this calculation
Note: If $H_w < 0$, use $H_w = 0$ in this calculation

Minimum thickness required, Luscher's buckling equation

$t_3 = 0.24$ in
 $= 6.15$ mm

$$t = \left[\frac{(Ng_t)^2 \cdot D^3 \cdot 12}{32 \cdot R_w \cdot B' \cdot M_{av} \cdot E_L \cdot C} \right]^{1/3}$$
 ASTM F1216, Equation X1.3

Minimum thickness required, pipe stiffness

$t_4 = 0.21$ in
 $= 5.36$ mm

$$t = D/(E/0.093 \cdot 12)^{1/3}$$
 ASTM F1216, Equation X1.4

Partially Deteriorated Pressure Pipe Condition

Minimum thickness required to withstand internal pressure in spanning across any holes in the original pipe wall

$t_{pr} = 0.00$ in
 $d/D = 0.00$
 $1.83(t_{pr}/D)^{1/2} = 0.00$
 $t_{pr1} = 0.00$ in
 $= 0.00$ mm

$$t_{pr} = D/((D/d)^2 - (5.33 \alpha_t/PN)^{1/2} + 1)$$
 ASTM F1216, Equation X1.6
 If $d/D > 1.83(t_{pr}/D)^{1/2}$, ASTM F1216, Equation X1.5, then liner is in ring tension or hoop stress and fully deteriorated pressure pipe condition applies (ASTM F1216, Equation X1.7)

Fully Deteriorated Pressure Pipe Condition

Minimum thickness required to withstand all external loads and the full internal pressure

$t_{pr2} = 0.00$ in
 $= 0.00$ mm

$$t_{pr2} = D/((2 \cdot \alpha_{TL}/PN) + 2)$$
 ASTM F1216, Equation X1.7

CIPP Wall Thickness Design Summary

- Host pipe condition
- CIPP end use application
- CIPP outside diameter (host pipe inside diameter)
- Minimum CIPP thickness calculated
- Minimum CIPP thickness recommended
- Nominal CIPP thickness to be supplied

Fully Deteriorated Gravity Flow	
D	15 in
t _{calc}	0.24 in
	6.15 mm
t _{min}	0.24 in
	6.15 mm
t _{CIPP}	7.5 mm
SDR _{CIPP}	51

Greatest value calculated from ASTM F1216 Equations X1.1, X1.2, X1.3 and X1.4 (gravity flow) or greatest of X1.1, X1.2, X1.3, X1.4 and X1.7 (pressure pipe)
 Based on a maximum SDR = 100
 Rounded up to the nearest 1.5 mm to reflect standard CIPP thicknesses supplied
 SDR = D/t Maximum recommended SDR for CIPP is 100 per ASTM F1216

Hydraulic Calculations

- CIPP inside diameter (in)
- Flow area of host pipe (ft²)
- Flow area of CIPP (ft²)
- Capacity of host pipe (cfs)
- Capacity of CIPP (cfs)
- % increase/decrease in Flow Capacity

$D_i = 14.4$
 $A_h = 1.23$
 $A_p = 1.13$
 $Q_h = 3.54$
 $Q_c = 4.13$
 $\Delta Q = 17\%$

$$Q = (1.486 \cdot A \cdot R_h^{2/3} \cdot S^{1/2})/n$$
 (Manning's Equation)
 where R_h = hydraulic radius = D/4 for pipe flowing full

Cured-In-Place Pipe (CIPP) Wall Thickness Design and Hydraulic Capacity Calculations

Project: Storm Sewer CIPP
Location: Riverside, MO
Owner: City of Riverside
Line Segment(s): 18" Storm Sewer GW at Top of Pipe
MH Depth:

14

Minimum Thickness: 7.3 mm
Nominal Thickness: 7.5 mm

Design Assumptions:

Shaded cells are user-defined

Condition of host pipe	FD	PD = partially deteriorated, FD = fully deteriorated
Inside diameter of host pipe (in)	18	
Ovality of host pipe (%)	5.0	Default value is 2%; range = 0%-10%
Slope of host pipe (ft/ft)	0.003	
Host pipe Manning's roughness (dimensionless)	0.013	varies from 0.013-0.030 (dependent on existing pipe material, geometry, diameter and condition)
CIPP Manning's roughness (dimensionless)	0.010	varies from 0.009-0.013
Constrained soil modulus of native soil in the pipe zone (psi)	M _{sn} = 1,000	See table below for recommended values

From Table 5.6 of AWWA Manual of Water Practices M45, Second Edition						
Granular Native Soils		Cohesive Native Soils			M _{sn}	
Blows/ft (per ASTM D1586)	Description	Unconfined compressive strength (q _u)		Description	psi	kPa
		tons/sf	kPa			
> 0 - 1	very, very loose	> 0 - 0.125	0 - 13	very, very soft	50	0.3
1 - 2	very loose	0.125 - 0.25	13 - 25	very soft	200	1.4
2 - 4	loose	0.25 - 0.50	25 - 50	soft	700	4.8
4 - 8	loose	0.50 - 1.0	50 - 100	medium	1,500	10.3
8 - 15	slightly compact	1.0 - 2.0	100 - 200	stiff	3,000	20.7
15 - 30	compact	2.0 - 4.0	200 - 400	very stiff	5,000	34.5
30 - 50	dense	4.0 - 6.0	400 - 600	hard	10,000	69.0
> 50	very dense	> 6.0	> 600	very hard	20,000	138.0

Flexural modulus of Elasticity of CIPP, initial (psi)	E = 400,000	Minimum value is 250,000 psi per ASTM F1216
Long-term retention of mechanical properties (%)	50%	Default value is 50%
Flexural modulus of elasticity of CIPP, long-term (psi)	E _L = 200,000	Determined from long-term retention %
Design safety factor	N = 2	Default value is 2.0
Unit weight of soil (pcf)	δ _s = 120	Applies to fully deteriorated designs only
Unit weight of water (pcf)	δ _w = 62.4	
Depth of cover (ft)	H = 12.50	Measured from ground surface to top of pipe
Height of groundwater (ft)	H _w = 0.00	Measured from top of pipe; Note: If water table is below top of pipe, input a negative number!
Internal vacuum pressure (psi)	P _v = 0.0	Default value is 0
Internal pressure (psi)	P = 0.0	Pressure pipe applications only! If no pressure, input 0
Diameter of hole or opening in original pipe wall (in)	d = 0.0	Pressure pipe applications only! If no pressure, input 0
Poisson's ratio of CIPP	ν = 0.30	Average value for CIPP per ASTM F1216
Flexural strength of CIPP, initial (psi)	σ _i = 4,500	Minimum value is 4,500 psi per ASTM F1216
Flexural strength of CIPP, long-term (psi)	σ _L = 2,250	Determined from long-term retention %
Tensile strength of CIPP, initial (psi)	σ _T = 3,000	Pressure pipe applications only!
Tensile strength of CIPP, long-term (psi)	σ _{TL} = 1,500	Determined from long-term retention %
Enhancement factor (dimensionless)	K = 7.0	Minimum value recommended per ASTM F1216
Surface live loading condition	HS20	HS20, HL93, E80 or airport

H20 Calculations as per AASTHO, Seventh Edition, 2014 (Highway Loads)

<p>For live load distribution transverse to culvert spans, the wheel/axle load interaction depth $H_{int,t}$ shall be determined as:</p> $H_{int,t} = \frac{s_w - w_t - \frac{0.06D_i}{12}}{LLDF} \quad (3.6.1.2.6b-1)$ <p>in which:</p> <ul style="list-style-type: none"> where $H < H_{int,t}$: $w_w = \frac{w_t}{12} + LLDF(H) + 0.06 \frac{D_i}{12} \quad (3.6.1.2.6b-2)$ <ul style="list-style-type: none"> where $H \geq H_{int,t}$: $w_w = \frac{w_t}{12} + s_w + LLDF(H) + 0.06 \frac{D_i}{12} \quad (3.6.1.2.6b-3)$	<p>For live load distribution parallel to culvert span, the wheel/axle load interaction depth $H_{int,p}$ shall be determined as:</p> $H_{int,p} = \frac{s_w - l_t}{LLDF} \quad (3.6.1.2.6b-4)$ <p>in which:</p> <ul style="list-style-type: none"> where $H < H_{int,p}$: $l_w = \frac{l_t}{12} + LLDF(H) \quad (3.6.1.2.6b-5)$ <ul style="list-style-type: none"> where $H \geq H_{int,p}$: $l_w = \frac{l_t}{12} + s_w + LLDF(H) \quad (3.6.1.2.6b-6)$	<p>A_{LL} = rectangular area at depth H (ft²)</p> <p>l_w = live load patch length at depth H (ft)</p> <p>w_w = live load patch width at depth H (ft)</p> <p>$H_{int,t}$ = wheel interaction depth transverse to culvert span (ft)</p> <p>s_w = wheel spacing, 6.0 ft</p> <p>w_t = tire patch width, 20 (in.)</p> <p>D_i = inside diameter or clear span of the culvert (in.)</p> <p>$LLDF$ = live load distribution factor as specified in Table 3.6.1.2.6a-1</p> <p>H = depth of fill over culvert (ft)</p> <p>$H_{int,p}$ = axle interaction depth parallel to culvert span (ft)</p> <p>s_w = axle spacing (ft)</p> <p>l_t = tire patch length, 10 (in.)</p>
<p>The rectangular area, A_{LL}, shall be determined as:</p> $A_{LL} = l_w w_w \quad (3.6.1.2.6a-1)$	<p>The live load vertical crown pressure shall be determined as:</p> $P_L = \frac{P \left(1 + \frac{IM}{100} \right) (m)}{A_{LL}} \quad (3.6.1.2.6b-7)$	<p>where:</p> <p>P_L = live load vertical crown pressure (ksf)</p> <p>P = live load applied at surface on all interacting wheels (kip)</p> <p>IM = dynamic load allowance as specified in Article 3.6.2.2</p> <p>m = multiple presence factor specified in Article 3.6.1.1.2</p> <p>A_{LL} = rectangular area at depth H (ft²)</p>

Load Type	HS20
Inside dia of host pipe	D _i = 18.0 in
Tire patch width	w _t = 20.0 in
Tire patch length	l _t = 10.0 in
Wheel spacing	s _w = 6.0 ft
Axle spacing	l _w = 14.0 ft
Live Load Distribution factor	LLDF = 1.15
Depth of fill over culvert	H = 12.5 ft
Wheel interaction depth - transverse	H _{int,t} = 3.7 ft
Live load patch width at depth H	w _w = 22.1 ft
Wheel interaction depth - parallel	H _{int,p} = 11.4 ft
Live load patch length at depth H	l _w = 29.2 ft
Rectangular area at depth H	A _{LL} = 646.4 sq. ft
Number of loaded lanes	n = 1.0
Multiple presence factor	m = 1.2
Dynamic load allowance	IM = 0.0
Live load applied at surface (Total applied surface wheel load)	P = 64,000.0 lb
Live load vertical crown pressure	P _L = w _{LH} = 0.83 psi
H20 live load transferred to pipe at depth H (psi)	w _{LH} = 0.83 psi

E80 Calculations (Railway Loads)

E80 live load transferred to pipe at depth H (psi)

$w_{LR} = 0.00$ from graph below

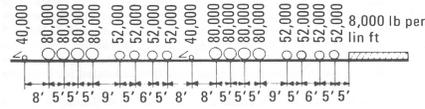
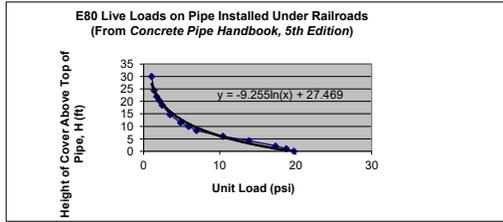


Figure 4.30. Spacing of Wheel Loads Per Axle for a Cooper E 80 Design Loading.

Airport Loads

- Modulus of elasticity of concrete (psi)
- Poisson's ratio of concrete (dimensionless)
- Modulus of subgrade reaction (lb/in³)
- Thickness of concrete pavement (in)
- Depth of cover, top of pipe to bottom of slab (ft)
- Horizontal distance from pipe centerline (ft)

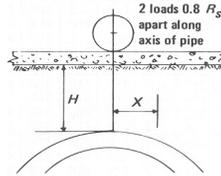
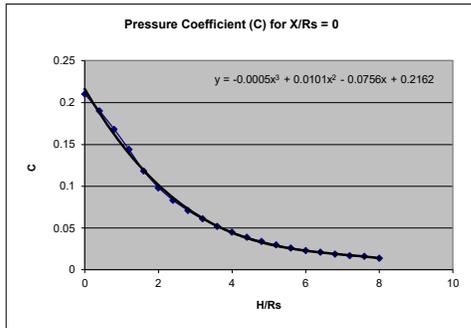
$E_c = 4,000,000$ default value is 4,000,000
 $\mu = 0.15$ default value is 0.15
 $k = 250$ see adjacent figure
 $h = 12$
 $H = 11.5$
 $X = 0$ assumed = 0 (worst case)
 $R_s = 3.27$
 $P_{LA} = 90,000$

$$R_s = \sqrt[4]{\frac{Eh^3}{12(1-\mu^2)k}}$$

Radius of stiffness of the rigid pavement (ft)

Wheel load (lbs)

Worst-case loading scenario is for 2 loads spaced 0.8R_s apart and is calculated below. For alternate loading conditions, see *Concrete Pipe Handbook, 5th Edition*



$H/R_s = 3.522$
 $C = 0.053$

CALIFORNIA BEARING RATIO, CBR	
2	3 4 5 6 7 8 9 10 15 20 25 30 40 50 60 70 80 100
UNIFIED SOIL CLASSIFICATION and U.S. Bureau of Reclamation	SM, SP, SW, SC, SC ₁ , SC ₂ , SC ₃ , SC ₄ , SC ₅ , SC ₆ , SC ₇ , SC ₈ , SC ₉ , SC ₁₀ , SC ₁₁ , SC ₁₂ , SC ₁₃ , SC ₁₄ , SC ₁₅ , SC ₁₆ , SC ₁₇ , SC ₁₈ , SC ₁₉ , SC ₂₀ , SC ₂₁ , SC ₂₂ , SC ₂₃ , SC ₂₄ , SC ₂₅ , SC ₂₆ , SC ₂₇ , SC ₂₈ , SC ₂₉ , SC ₃₀ , SC ₃₁ , SC ₃₂ , SC ₃₃ , SC ₃₄ , SC ₃₅ , SC ₃₆ , SC ₃₇ , SC ₃₈ , SC ₃₉ , SC ₄₀ , SC ₄₁ , SC ₄₂ , SC ₄₃ , SC ₄₄ , SC ₄₅ , SC ₄₆ , SC ₄₇ , SC ₄₈ , SC ₄₉ , SC ₅₀ , SC ₅₁ , SC ₅₂ , SC ₅₃ , SC ₅₄ , SC ₅₅ , SC ₅₆ , SC ₅₇ , SC ₅₈ , SC ₅₉ , SC ₆₀ , SC ₆₁ , SC ₆₂ , SC ₆₃ , SC ₆₄ , SC ₆₅ , SC ₆₆ , SC ₆₇ , SC ₆₈ , SC ₆₉ , SC ₇₀ , SC ₇₁ , SC ₇₂ , SC ₇₃ , SC ₇₄ , SC ₇₅ , SC ₇₆ , SC ₇₇ , SC ₇₈ , SC ₇₉ , SC ₈₀ , SC ₈₁ , SC ₈₂ , SC ₈₃ , SC ₈₄ , SC ₈₅ , SC ₈₆ , SC ₈₇ , SC ₈₈ , SC ₈₉ , SC ₉₀ , SC ₉₁ , SC ₉₂ , SC ₉₃ , SC ₉₄ , SC ₉₅ , SC ₉₆ , SC ₉₇ , SC ₉₈ , SC ₉₉ , SC ₁₀₀
AASHTO SOIL CLASSIFICATION Federal Highway Administration	A-1, A-1.5, A-2, A-2.5, A-3, A-3.5, A-4, A-4.5, A-5, A-5.5, A-6, A-6.5, A-7, A-7.5, A-8, A-8.5, A-9, A-9.5, A-10, A-10.5, A-11, A-11.5, A-12, A-12.5, A-13, A-13.5, A-14, A-14.5, A-15, A-15.5, A-16, A-16.5, A-17, A-17.5, A-18, A-18.5, A-19, A-19.5, A-20, A-20.5, A-21, A-21.5, A-22, A-22.5, A-23, A-23.5, A-24, A-24.5, A-25, A-25.5, A-26, A-26.5, A-27, A-27.5, A-28, A-28.5, A-29, A-29.5, A-30, A-30.5, A-31, A-31.5, A-32, A-32.5, A-33, A-33.5, A-34, A-34.5, A-35, A-35.5, A-36, A-36.5, A-37, A-37.5, A-38, A-38.5, A-39, A-39.5, A-40, A-40.5, A-41, A-41.5, A-42, A-42.5, A-43, A-43.5, A-44, A-44.5, A-45, A-45.5, A-46, A-46.5, A-47, A-47.5, A-48, A-48.5, A-49, A-49.5, A-50, A-50.5, A-51, A-51.5, A-52, A-52.5, A-53, A-53.5, A-54, A-54.5, A-55, A-55.5, A-56, A-56.5, A-57, A-57.5, A-58, A-58.5, A-59, A-59.5, A-60, A-60.5, A-61, A-61.5, A-62, A-62.5, A-63, A-63.5, A-64, A-64.5, A-65, A-65.5, A-66, A-66.5, A-67, A-67.5, A-68, A-68.5, A-69, A-69.5, A-70, A-70.5, A-71, A-71.5, A-72, A-72.5, A-73, A-73.5, A-74, A-74.5, A-75, A-75.5, A-76, A-76.5, A-77, A-77.5, A-78, A-78.5, A-79, A-79.5, A-80, A-80.5, A-81, A-81.5, A-82, A-82.5, A-83, A-83.5, A-84, A-84.5, A-85, A-85.5, A-86, A-86.5, A-87, A-87.5, A-88, A-88.5, A-89, A-89.5, A-90, A-90.5, A-91, A-91.5, A-92, A-92.5, A-93, A-93.5, A-94, A-94.5, A-95, A-95.5, A-96, A-96.5, A-97, A-97.5, A-98, A-98.5, A-99, A-99.5, A-100
FEDERAL AVIATION AGENCY Soil Classification	FC, FC ₁ , FC ₂ , FC ₃ , FC ₄ , FC ₅ , FC ₆ , FC ₇ , FC ₈ , FC ₉ , FC ₁₀ , FC ₁₁ , FC ₁₂ , FC ₁₃ , FC ₁₄ , FC ₁₅ , FC ₁₆ , FC ₁₇ , FC ₁₈ , FC ₁₉ , FC ₂₀ , FC ₂₁ , FC ₂₂ , FC ₂₃ , FC ₂₄ , FC ₂₅ , FC ₂₆ , FC ₂₇ , FC ₂₈ , FC ₂₉ , FC ₃₀ , FC ₃₁ , FC ₃₂ , FC ₃₃ , FC ₃₄ , FC ₃₅ , FC ₃₆ , FC ₃₇ , FC ₃₈ , FC ₃₉ , FC ₄₀ , FC ₄₁ , FC ₄₂ , FC ₄₃ , FC ₄₄ , FC ₄₅ , FC ₄₆ , FC ₄₇ , FC ₄₈ , FC ₄₉ , FC ₅₀ , FC ₅₁ , FC ₅₂ , FC ₅₃ , FC ₅₄ , FC ₅₅ , FC ₅₆ , FC ₅₇ , FC ₅₈ , FC ₅₉ , FC ₆₀ , FC ₆₁ , FC ₆₂ , FC ₆₃ , FC ₆₄ , FC ₆₅ , FC ₆₆ , FC ₆₇ , FC ₆₈ , FC ₆₉ , FC ₇₀ , FC ₇₁ , FC ₇₂ , FC ₇₃ , FC ₇₄ , FC ₇₅ , FC ₇₆ , FC ₇₇ , FC ₇₈ , FC ₇₉ , FC ₈₀ , FC ₈₁ , FC ₈₂ , FC ₈₃ , FC ₈₄ , FC ₈₅ , FC ₈₆ , FC ₈₇ , FC ₈₈ , FC ₈₉ , FC ₉₀ , FC ₉₁ , FC ₉₂ , FC ₉₃ , FC ₉₄ , FC ₉₅ , FC ₉₆ , FC ₉₇ , FC ₉₈ , FC ₉₉ , FC ₁₀₀
RESISTANCE VALUE, R	20 30 40 50 55 60 70 80 85
MODULUS OF SUBGRADE REACTION, k, psi per inch	100 150 200 250 300 400 500 600 700 800
BEARING VALUE, psi (30-in. diameter plate, 0.1-in. deflection)	10 20 30 40 50 60 70
CALIFORNIA BEARING RATIO, CBR	2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60 70 80 90 100

Airport live load transferred to pipe at depth H (psi)

$w_{LA} = 0.00$

$$w_{LA} = CP/R_s^2$$

Wall Thickness Design

Partially Deteriorated Gravity Pipe Condition

Ovality reduction factor (dimensionless)

$C = 0.64$

$$C = \left(\frac{1 - q/100}{1 + q/100} \right)^3$$

External hydrostatic pressure from groundwater (psi)

$P_w = 0.65$

$$P_w = \gamma_w(H_w + D/12)/144$$

Minimum thickness required, hydrostatic buckling

$t_1 = 0.16$ in
 $= 3.95$ mm

$$t_1 = \frac{D}{\left(\frac{2 \cdot K \cdot E \cdot C}{(1-\nu^2) \cdot N \cdot (P_w + P_v)} \right)^{1/2} + 1}$$
 ASTM F1216, Equation X1.1

Minimum thickness required, ovality check

$t_2 = 0.12$ in
 $= 3.02$ mm
 $SDR_2 = 152$

$$1.5 \cdot \frac{q}{100} \left(1 + \frac{q}{100} \right) \cdot SDR^2 - 0.5 \cdot \left(1 + \frac{q}{100} \right) \cdot SDR \cdot \frac{c_1}{P \cdot N} = 0$$
 ASTM F1216, Equation X1.2
 If $P_w = 0$, default $SDR = 100$

Quadratic factors for Eq. X1.2: $a = 0.07875$, $b = -0.525$, $c = -1730.769$

Fully Deteriorated Gravity Pipe Condition

- Total live load transferred to pipe at depth H (psi) =
- Water buoyancy factor (dimensionless)
- Total external pressure on pipe (psi)
- Coefficient of elastic support (in-lb)

$W_s = 0.83$ From live load calculations
 $R_w = 1.00$
 $q_1 = 11.24$
 $B' = 0.360$

$$R_w = 1 - 0.33(H_w/H) \text{ (min. value = 0.67)}$$

$$q_1 = 0.433H_w + \delta_1 HR_w/144 + W_s$$

$$B' = 1/(1+4e^{-0.065H})$$

Note: If $H_w < 0$, use $H_w = 0$ in this calculation
Note: If $H_w < 0$, use $H_w = 0$ in this calculation

Minimum thickness required, Luscher's buckling equation

$t_3 = 0.29$ in
 $= 7.32$ mm

$$t = \left[\frac{(Nq_1)^2 \cdot D^3 \cdot 12}{32 \cdot R_w \cdot B' \cdot M_{av} \cdot E_L \cdot C} \right]^{1/3}$$
 ASTM F1216, Equation X1.3

Minimum thickness required, pipe stiffness

$t_4 = 0.25$ in
 $= 6.44$ mm

$$t = D/(E/0.093 \cdot 12)^{1/3}$$
 ASTM F1216, Equation X1.4

Partially Deteriorated Pressure Pipe Condition

Minimum thickness required to withstand internal pressure in spanning across any holes in the original pipe wall

$t_{pr} = 0.00$ in
 $d/D = 0.00$
 $1.83(t_{pr}/D)^{1/2} = 0.00$
 $t_{pr1} = 0.00$ in
 $= 0.00$ mm

$$t_{pr} = D/((D/d)^2 - (5.33 \cdot \alpha_i/PN)^{1/2} + 1)$$
 ASTM F1216, Equation X1.6
 If $d/D > 1.83(t_{pr}/D)^{1/2}$, ASTM F1216, Equation X1.5, then liner is in ring tension or hoop stress and fully deteriorated pressure pipe condition applies (ASTM F1216, Equation X1.7)

Fully Deteriorated Pressure Pipe Condition

Minimum thickness required to withstand all external loads and the full internal pressure

$t_{pr2} = 0.00$ in
 $= 0.00$ mm

$$t_{pr2} = D/((2 \cdot \alpha_{it}/PN) + 2)$$
 ASTM F1216, Equation X1.7

CIPP Wall Thickness Design Summary

- Host pipe condition
- CIPP end use application
- CIPP outside diameter (host pipe inside diameter)
- Minimum CIPP thickness calculated
- Minimum CIPP thickness recommended
- Nominal CIPP thickness to be supplied

Fully Deteriorated Gravity Flow	
D	18 in
t_{calc}	0.29 in
	7.32 mm
t_{min}	0.29 in
	7.32 mm
t_{CIPP}	7.5 mm
SDR_{CIPP}	61

Greatest value calculated from ASTM F1216 Equations X1.1, X1.2, X1.3 and X1.4 (gravity flow) or greatest of X1.1, X1.2, X1.3, X1.4 and X1.7 (pressure pipe)
 Based on a maximum $SDR = 100$
 Rounded up to the nearest 1.5 mm to reflect standard CIPP thicknesses supplied
 $SDR = D/t$ Maximum recommended SDR for CIPP is 100 per ASTM F1216

Hydraulic Calculations

- CIPP inside diameter (in)
- Flow area of host pipe (ft²)
- Flow area of CIPP (ft²)
- Capacity of host pipe (cfs)
- Capacity of CIPP (cfs)
- % increase/decrease in Flow Capacity

$D_i = 17.4$
 $A_h = 1.77$
 $A_p = 1.65$
 $Q_h = 5.75$
 $Q_p = 6.84$
 $\Delta Q = 19\%$

$$Q = (1.486 \cdot A \cdot R_h^{2/3} \cdot S^{1/2})/n$$
 (Manning's Equation)
 where R_h = hydraulic radius = D/4 for pipe flowing full

AN ORDINANCE AMENDING THE MUNICIPAL CODE RELATED TO NOISE DISTURBANCE.

BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF RIVERSIDE, MISSOURI AS FOLLOWS:

SECTION 1 – AMENDMENT. That Section 210.770 of the Municipal Code of the City of Riverside, Missouri is hereby amended to read as follows (language to be added is underlined; and language to be deleted contains a ~~striketrough~~):

Section 210.770 Noise Disturbance.

- A. A person commits the offense of noise disturbance if such person shall make, continue, cause or permit to be made or continued any of the following:
1. Barking dogs or other noisy animals which disturb the comfort and repose of any person in the vicinity.
 2. Use of sound-producing or reproducing equipment between the hours of 10:00 P.M. and 7:00 A.M. that is plainly audible within a dwelling unit that is not the source of the sound, or use of such equipment on public property or on a public right-of-way so as to be plainly audible fifty (50) feet or more from the source of the sound. The Board of Aldermen may grant an exemption from this Subsection to allow a person reasonable use of public property or the right-of-way to broadcast music or speech.
- B. Notwithstanding any other provision of this Code, the Director of Community Development may grant a temporary permit waiver to subsection A.2 of this section for after-hours construction activity if the Director determines that the impact to the public health, safety, and welfare is not outweighed by the public benefits resulting from the construction activity. If approved by the Director, the applicant is required to provide written notice to any residential areas within one thousand (1,000) feet no less than twenty-four (24) hours prior to the beginning of the construction activity. The Director may revoke any issued temporary permit waiver if the Director subsequently determines that the impact to the public health, safety, and welfare outweighs the public benefits resulting from the construction activity.

SECTION 2 – EFFECTIVE DATE. This ordinance shall be in full force and effect from and after the date of its passage and approval.

BE IT REMEMBERED that the above was read two times by heading only, **PASSED AND APPROVED** by a majority of the Board of Aldermen and **APPROVED** by the Mayor of the City of Riverside this _____ day of _____ 2022.

Mayor Kathleen L. Rose

ATTEST:

Robin Kincaid, City Clerk

RESOLUTION NO. R – 2022-087

A RESOLUTION AUTHORIZING THE EXPENDITURE OF FUNDS OUT OF THE CITY TREASURY OF THE CITY OF RIVERSIDE FOR FISCAL YEAR 2021-2022 AND 2022-2023 WEEKS ENDING AUGUST 5TH AND AUGUST 12TH IN THE AMOUNT OF \$434,365.52.

WHEREAS, the Board of Aldermen find it is in the best interest of the citizens of the City of Riverside to authorize and approve the expenditure of funds as set forth in Exhibit “A” attached hereto;

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RIVERSIDE, MISSOURI, AS FOLLOWS:

THAT the disbursements and expenditure of funds from the city treasury in the amount of \$434,365.52 as set forth in Exhibit “A” attached hereto and made a part hereof by reference are hereby authorized and approved.

FURTHER THAT the City Administrator is hereby authorized to execute all agreements or documents necessary to approve the purchase of goods and services contemplated therein and the Finance Director is authorized to issue a check therefor to the respective companies, firms, persons in the amounts set forth therein.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Riverside, Missouri, the 16TH day of August 2022.

Mayor Kathleen L. Rose

ATTEST:

Robin Kincaid, City Clerk



Expense Approval Report

By Purchased From Vendor

Post Dates 8/10/2022 - 8/10/2022

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount	
Purchased From Vendor: COMPLETE OFFICE SOLUTIONS INC						
COMPLETE OFFICE SOLUTION	32052663	08/10/2022	POSTBASE 65 INK-PIC40 -17,0	10-112-000-51500	159.00	
Purchased From Vendor COMPLETE OFFICE SOLUTIONS INC Total:					159.00	
Purchased From Vendor: EVERGY						
EVERGY	0107-16-0767	08/01/22	08/10/2022	STREETLIGHTS - 06-30-2022 t	10-331-000-26800	22,597.27
Purchased From Vendor EVERGY Total:					22,597.27	
Purchased From Vendor: KCMO WATER SERVICES						
KCMO WATER SERVICES	6146710354909	06-30-2022	08/10/2022	4498 HIGH DR - 04-30-2022 t	10-337-104-25400	3,278.06
Purchased From Vendor KCMO WATER SERVICES Total:					3,278.06	
Purchased From Vendor: MISSOURI AMERICAN WATER CO						
MISSOURI AMERICAN WATER	210010445575	07-05-22	08/10/2022	2805 NW VIVION RD - 06-02-2	10-336-111-25400	492.94
MISSOURI AMERICAN WATER	210015748552	07-05-22	08/10/2022	4820 HOMESTEAD TER PARKF	10-336-109-25400	10.04
MISSOURI AMERICAN WATER	210015953323	07-08-22	08/10/2022	2901 NW VIVION RD PARK - 0	10-336-108-25400	16.73
MISSOURI AMERICAN WATER	210010690719		08/10/2022	777 A ARGOSY PKWY IRRIG - 0	10-336-113-25400	1,128.82
MISSOURI AMERICAN WATER	210010445575	08/01/22	08/10/2022	2805 NW VIVION RD - 07-02-2	10-336-111-25400	956.47
MISSOURI AMERICAN WATER	210015748552	08-02-22	08/10/2022	4820 HOMESTEAD TER PARKF	10-336-109-25400	10.57
MISSOURI AMERICAN WATER	210010504726	08-03-22	08/10/2022	RIVERWAY/PLATTE RD FOUTN	10-336-112-25400	74.76
MISSOURI AMERICAN WATER	210010690719 -		08/10/2022	777 A ARGOSY PKWY IRRIG - 0	10-336-113-25400	4,286.40
MISSOURI AMERICAN WATER	210015884915	08-03-22	08/10/2022	1001 NW ARGOSY PARK - 07-0	10-336-107-25400	183.49
MISSOURI AMERICAN WATER	210015953323	08-03-22	08/10/2022	2901 NW VIVION RD PARK - 0	10-336-108-25400	16.03
MISSOURI AMERICAN WATER	220030262177		08/10/2022	2992 NW VIVION RD - 07-06-	10-336-122-25400	51.54
MISSOURI AMERICAN WATER	210039935444	08-04-22	08/10/2022	210012068028 - w platte valle	10-336-112-25400	4,229.73
MISSOURI AMERICAN WATER	210039935444	08-04-22	08/10/2022	210015746389 - 4200 Riversi	10-337-101-25400	70.15
MISSOURI AMERICAN WATER	210039935444	08-04-22	08/10/2022	210014458047 - 2950 NW Viv	10-337-102-25400	2,036.60
MISSOURI AMERICAN WATER	210039935444	08-04-22	08/10/2022	210010165930 - 2990 Fire Sta	10-337-103-25400	94.09
MISSOURI AMERICAN WATER	210039935444	08-04-22	08/10/2022	210015746471 - 4498 High D	10-337-104-25400	200.56
MISSOURI AMERICAN WATER	220030262177-cm		08/10/2022	2992 NW VIVION RD - 06-03-	10-336-122-25400	-7.50
Purchased From Vendor MISSOURI AMERICAN WATER CO Total:					13,851.42	
Purchased From Vendor: SMITH, DANIEL						
SMITH, DANIEL	08/11/2022	08/10/2022	BAND/SENIOR DANCE ON 08/	10-341-100-44522	500.00	
Purchased From Vendor SMITH, DANIEL Total:					500.00	
Purchased From Vendor: SPIRE						
SPIRE	3730422222	07-20-2022	08/10/2022	4200 NW RIVERSIDE DR - 06-2	10-337-101-25200	44.60
SPIRE	4413651111	07-20-2022	08/10/2022	4498 NW HIGH DR - 06-21-20	10-337-104-25200	102.68
SPIRE	6274511111	07-20-2022	08/10/2022	2990 NW VIVION RD - 01/20 t	10-337-103-25200	89.66
Purchased From Vendor SPIRE Total:					236.94	
Purchased From Vendor: TOWN & COUNTRY BUILDING SERVICES						
TOWN & COUNTRY BUILDING	29833 - fix	08/10/2022	Actual inv was \$1650. - credit	10-337-103-44200	1,178.55	
Purchased From Vendor TOWN & COUNTRY BUILDING SERVICES Total:					1,178.55	
Grand Total:					41,801.24	

Report Summary

Fund Summary

Fund	Expense Amount	Payment Amount
10 - GENERAL FUND	41,801.24	41,801.24
Grand Total:	41,801.24	41,801.24

Account Summary

Account Number	Account Name	Expense Amount	Payment Amount
10-112-000-51500	Postage	159.00	159.00
10-331-000-26800	City-Wide Streetlighting	22,597.27	22,597.27
10-336-107-25400	Water - EH Young	183.49	183.49
10-336-108-25400	Water - Renner	32.76	32.76
10-336-109-25400	Water - Homestead Park	20.61	20.61
10-336-111-25400	Water - Welcome Plaza	1,449.41	1,449.41
10 336 112 25400	Water - Fountain W Platt	4,304.49	4,304.49
10-336-113-25400	Water - ROW Irrigation	5,415.22	5,415.22
10-336-122-25400	Water - Fitness Court	44.04	44.04
10-337-101-25200	Gas - Public Works	44.60	44.60
10-337-101-25400	Water - Public Works	70.15	70.15
10-337-102-25400	Water - City Hall	2,036.60	2,036.60
10-337-103-25200	Gas - Public Safety	89.66	89.66
10-337-103-25400	Water - Public Safety	94.09	94.09
10-337-103-44200	Custodial - Public Safety	1,178.55	1,178.55
10-337-104-25200	Gas - Community Center	102.68	102.68
10-337-104-25400	Water - Community Cen	3,478.62	3,478.62
10-341-100-44522	Recreational Programs	500.00	500.00
	Grand Total:	41,801.24	41,801.24

Project Account Summary

Project Account Key	Expense Amount	Payment Amount
None	41,801.24	41,801.24
Grand Total:	41,801.24	41,801.24



Expense Approval Report

By Purchased From Vendor

Post Dates 8/12/2022 - 8/12/2022

Vendor Name	Purchased From Vendor	Post Date	Description (Item)	Account Number	Amount
Purchased From Vendor: FOP LODGE 50 - UNION DUES					
FOP LODGE 50 - UNION DUES	FOP LODGE 50 - UNION DUES	08/12/2022	POLICE UNION DUES - 08/12/	10-20510	387.60
Purchased From Vendor FOP LODGE 50 - UNION DUES Total:					387.60
Purchased From Vendor: IAFF LOCAL 42 - UNION DUES					
IAFF LOCAL 42 - UNION DUES	IAFF LOCAL 42 - UNION DUES	08/12/2022	UNION DUES PT/ 08/12/2022	10-20510	111.25
IAFF LOCAL 42 - UNION DUES	IAFF LOCAL 42 - UNION DUES	08/12/2022	UNION DUES FT - 08/12/2022	10-20510	534.27
Purchased From Vendor IAFF LOCAL 42 - UNION DUES Total:					645.52
Grand Total:					1,033.12



Expense Approval Report

By Purchased From Vendor

Post Dates 8/16/2022 - 8/16/2022

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Purchased From Vendor: ABOVE AND BEYOND					
CARD SERVICES	9209 08/22	08/16/2022	POOL CHEMS	10-336-110-52010	447.00
CARD SERVICES	9209 08/22	08/16/2022	POOL CHEMS	10-336-110-52010	90.00
Purchased From Vendor ABOVE AND BEYOND Total:					537.00
Purchased From Vendor: ACE IMAGEWEAR					
ACE IMAGEWEAR	1202100	08/16/2022	ENTRY MATS/ PUBLIC WORKS	10-337-101-41500	37.88
ACE IMAGEWEAR	1202101	08/16/2022	ENTRY MATS / PUBLIC SAFETY	10-337-103-41500	23.61
ACE IMAGEWEAR	1202102	08/16/2022	DUST MOP, WET MOP & MAT	10-337-104-41500	18.34
ACE IMAGEWEAR	1202103	08/16/2022	ENTRY MATS / CITY HALL	10-337-102-41500	30.57
ACE IMAGEWEAR	1204053	08/16/2022	ENTRY MATS/ PUBLIC WORKS	10-337-101-41500	37.88
ACE IMAGEWEAR	1204054	08/16/2022	ENTRY MATS / PUBLIC SAFETY	10-337-103-41500	23.61
ACE IMAGEWEAR	1204055	08/16/2022	DUST MOP, WET MOP & MAT	10-337-104-41500	18.34
ACE IMAGEWEAR	1204056	08/16/2022	ENTRY MATS / CITY HALL	10-337-102-41500	30.57
Purchased From Vendor ACE IMAGEWEAR Total:					220.80
Purchased From Vendor: ADOBE					
CARD SERVICES	0058 08/22	08/16/2022	CITY CLERK SOFTWARE	10-112-000-34000	14.99
Purchased From Vendor ADOBE Total:					14.99
Purchased From Vendor: ADVANCE AUTO PARTS					
CARD SERVICES	0718 08/22	08/16/2022	MOWERS OIL FILTERS	10-331-000-40000	41.45
CARD SERVICES	0718 08/22	08/16/2022	OIL FILTERS 550'S STOCK & DE	10-331-000-41000	212.68
Purchased From Vendor ADVANCE AUTO PARTS Total:					254.13
Purchased From Vendor: ALADTEC, INC					
CARD SERVICES	0025 08/22	08/16/2022	SCHEDULING SOFTWARE	10-226-000-40501	2,668.00
Purchased From Vendor ALADTEC, INC Total:					2,668.00
Purchased From Vendor: AMAZON					
CARD SERVICES	0023 08/22	08/16/2022	INTERIOR ANTENNA - ANNEX	10-221-000-40000	18.99
CARD SERVICES	0025 08/22	08/16/2022	REPLACE JUMP PACK	10-226-000-40001	254.99
CARD SERVICES	0025 08/22	08/16/2022	HEATING ELEMENT DRYER	10-226-000-40001	26.89
CARD SERVICES	0025 08/22	08/16/2022	BELT, ROLLERS FOR DRYER & P	10-226-000-40001	100.76
CARD SERVICES	0025 08/22	08/16/2022	BATH RUG	10-226-000-41600	34.99
CARD SERVICES	0025 08/22	08/16/2022	TOWEL RACK	10-226-000-41600	9.99
CARD SERVICES	0025 08/22	08/16/2022	LAUNDRY BASKET, TOWELS &	10-226-000-41600	225.85
CARD SERVICES	0025 08/22	08/16/2022	CURTAINS & RODS	10-226-000-41600	172.36
CARD SERVICES	0025 08/22	08/16/2022	COOKTOP	10-226-000-41600	169.99
CARD SERVICES	0025 08/22	08/16/2022	BUG ZAPPER	10-226-000-41600	35.99
CARD SERVICES	0025 08/22	08/16/2022	GRILL COVER & MAT	10-226-000-53720	64.96
CARD SERVICES	0025 08/22	08/16/2022	SOAP DISPENSER REPLACEME	10-226-000-53720	81.39
CARD SERVICES	0025 08/22	08/16/2022	DISH DRYING RACK & LAMP	10-226-000-53720	42.96
CARD SERVICES	0025 08/22	08/16/2022	PAPER TOWELS REPLACEMEN	10-226-000-53720	57.64
CARD SERVICES	0025 08/22	08/16/2022	CHIEF FOWLSTON - HARD HAT	10-226-000-56002	94.50
CARD SERVICES	0058 08/22	08/16/2022	OFFICE SUPPLIES	10-112-000-50500	34.16
CARD SERVICES	0058 08/22	08/16/2022	OFFICE SUPPLIES	10-112-000-50500	36.95
CARD SERVICES	0058 08/22	08/16/2022	CREDIT - BOA SUPPLIES	10-112-000-53900	-21.90
CARD SERVICES	0058 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	30.98
CARD SERVICES	0058 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	29.80
CARD SERVICES	0058 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	12.40
CARD SERVICES	0058 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	43.98
CARD SERVICES	0058 08/22	08/16/2022	GRAM RETIREMENT	10-115-000-31200	33.97
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	309.99
CARD SERVICES	0247 08/22	08/16/2022	WORKROOM SUPPLIES	10-112-000-50500	29.95
CARD SERVICES	0247 08/22	08/16/2022	WORKROOM SUPPLIES	10-112-000-50500	7.99
CARD SERVICES	0247 08/22	08/16/2022	SUPPLIES FOR ERIKA	10-112-000-50500	130.74
CARD SERVICES	0247 08/22	08/16/2022	WORKROOM SUPPLIES	10-112-000-50500	56.60

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
CARD SERVICES	0247 08/22	08/16/2022	OFFICE SUPPLIES	10-112-000-50500	45.58
CARD SERVICES	0247 08/22	08/16/2022	SUPPLIES FOR METTE	10-112-000-50500	38.35
CARD SERVICES	0247 08/22	08/16/2022	SUPPLIES FOR METTE	10-112-000-50500	15.68
CARD SERVICES	0247 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	21.50
CARD SERVICES	0247 08/22	08/16/2022	CREDIT - BOA SUPPLIES	10-112-000-53900	-21.50
CARD SERVICES	0247 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	21.99
CARD SERVICES	0247 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	23.24
CARD SERVICES	0247 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	29.68
CARD SERVICES	0247 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	37.98
CARD SERVICES	0460 08/22	08/16/2022	SUN SCREEN - REACHING RIVE	10-112-000-41000	28.90
CARD SERVICES	0460 08/22	08/16/2022	OFFICE SUPPLIES - ERIKA DRY	10-112-000-50500	168.76
CARD SERVICES	0460 08/22	08/16/2022	OFFICE SUPPLIES - LEADERSHI	10-112-000-50500	33.14
CARD SERVICES	0460 08/22	08/16/2022	OFFICE SUPPLIES - SURFACEP	10-112-000-50500	29.90
CARD SERVICES	1542 08/22	08/16/2022	CSI SUPPLIES	10-221-000-44509	36.96
CARD SERVICES	9068 08/22	08/16/2022	GEESE AMMO SUPPLIES	10-819-000-50500	41.41
CARD SERVICES	9068 08/22	08/16/2022	GEESE AMMO SUPPLIES	10-819-000-50500	10.24
CARD SERVICES	9068 08/22	08/16/2022	GLASS CLEANER FOR SHANE	10-819-000-50500	9.99
CARD SERVICES	9068 08/22	08/16/2022	IPHONE CASE FOR SHANE	10-819-000-50500	22.46
CARD SERVICES	9068 08/22	08/16/2022	CAMERA FOR SHANE	10-819-000-52701	79.99
CARD SERVICES	9068 08/22	08/16/2022	SAFETY GLASSES FOR SHANE	10-819-000-52701	55.00
CARD SERVICES	9068 08/22	08/16/2022	CAN CASE FOR SHANE	10-819-000-52701	25.99
CARD SERVICES	9068 08/22	08/16/2022	FPAL GOLF - SHOT TENT SUPP	52-221-000-44510	14.99
CARD SERVICES	9076 08/22	08/16/2022	PICKLE BALLS	10-341-100-44522	18.99
CARD SERVICES	9100 08/22	08/16/2022	KCUPS FOR KEURIG FOR GRA	10-115-000-31200	22.90
CARD SERVICES	9100 08/22	08/16/2022	CREDIT - RETURN DRUM UNIT	10-224-000-50500	-104.00
CARD SERVICES	9100 08/22	08/16/2022	DRUM UNITS FOR REJIS PRINT	10-224-000-50500	290.96
CARD SERVICES	9100 08/22	08/16/2022	OFFICE SUPPLIES	10-224-000-50500	126.50
CARD SERVICES	9100 08/22	08/16/2022	FPAL GOLF TOURNAMENT ZIP	52-221-000-44510	56.40
Purchased From Vendor AMAZON Total:					3,309.84
Purchased From Vendor: ARROWHEAD SCIENTIFIC, INC					
CARD SERVICES	1542 08/22	08/16/2022	CSI SUPPLIES	10-221-000-44509	174.41
Purchased From Vendor ARROWHEAD SCIENTIFIC, INC Total:					174.41
Purchased From Vendor: ASIAN BUFFET					
CARD SERVICES	0108 08/22	08/16/2022	COMMANDERS MEETING	10-221-000-36200	33.95
Purchased From Vendor ASIAN BUFFET Total:					33.95
Purchased From Vendor: AT&T					
CARD SERVICES	0058 08/22	08/16/2022	HOMER	10-112-000-27201	19.99
CARD SERVICES	0058 08/22	08/16/2022	HOMER	10-112-000-27201	19.99
CARD SERVICES	9100 08/22	08/16/2022	PHONE SYSTEM PRI SERVICE	10-112-000-27000	470.12
CARD SERVICES	9100 08/22	08/16/2022	PHONE SYSTEM VOIP SERVICE	10-112-000-27000	443.36
CARD SERVICES	9100 08/22	08/16/2022	PHONE SYSTEM SIP TRUNKS	10-112-000-27000	626.50
Purchased From Vendor AT&T Total:					1,579.96
Purchased From Vendor: AUGUSTINE EXTERMINATORS, INC					
CARD SERVICES	1393 08/22	08/16/2022	QUARTERLY FACILITY EXTERM	10-336-107-42100	74.16
CARD SERVICES	1393 08/22	08/16/2022	QUARTERLY FACILITY EXTERM	10-336-108-42100	53.05
CARD SERVICES	1393 08/22	08/16/2022	QUARTERLY FACILITY EXTERM	10-337-101-41500	72.10
CARD SERVICES	1393 08/22	08/16/2022	QUARTERLY FACILITY EXTERM	10-337-102-41500	350.00
CARD SERVICES	1393 08/22	08/16/2022	QUARTERLY FACILITY EXTERM	10-337-103-41500	500.00
CARD SERVICES	1393 08/22	08/16/2022	QUARTERLY FACILITY EXTERM	10-337-104-41500	350.00
Purchased From Vendor AUGUSTINE EXTERMINATORS, INC Total:					1,399.31
Purchased From Vendor: BARBER EXCAVATING LLC					
BARBER EXCAVATING LLC	3014	08/16/2022	Vivion Utility Adjustments	21-025-000-53000	805.00
Purchased From Vendor BARBER EXCAVATING LLC Total:					805.00
Purchased From Vendor: BARRIO BRIARCLIFF					
CARD SERVICES	0460 08/22	08/16/2022	LUNCH MTG - KORAL/SPALMA	10-112-000-36100	40.69
Purchased From Vendor BARRIO BRIARCLIFF Total:					40.69

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Purchased From Vendor: BETTER WASH					
CARD SERVICES	9084 08/22	08/16/2022	VEH MAINT	10-221-000-41000	40.00
Purchased From Vendor BETTER WASH Total:					40.00
Purchased From Vendor: BLUE SPRINGS FORD					
CARD SERVICES	0627 08/22	08/16/2022	TRUCK 93 OIL LEAK	10-331-000-41000	51.38
Purchased From Vendor BLUE SPRINGS FORD Total:					51.38
Purchased From Vendor: BLUEWATER					
CARD SERVICES	0221 08/22	08/16/2022	PINK DYE LLINEAR FOUNDATI	10-336-112-42100	157.80
Purchased From Vendor BLUEWATER Total:					157.80
Purchased From Vendor: BOUND TREE MEDICAL LLC					
CARD SERVICES	0270 08/22	08/16/2022	MEDICAL SUPPLIES	10-226-000-53720	41.52
CARD SERVICES	0767 08/22	08/16/2022	MED SUPPLIES	10-226-000-53707	47.40
CARD SERVICES	0767 08/22	08/16/2022	MED SUPPLIES	10-226-000-53707	19.00
Purchased From Vendor BOUND TREE MEDICAL LLC Total:					107.92
Purchased From Vendor: BRS FIELD OPS, LLC					
BRS FIELD OPS, LLC	20210217 PERMIT #	08/16/2022	PERMIT # 20210217 REFUND	10-000-40005	125.00
Purchased From Vendor BRS FIELD OPS, LLC Total:					125.00
Purchased From Vendor: C R GR8, LLC					
C R GR8, LLC	07/13/2022	08/16/2022	Merrimac gutter replacement	21-025-000-53000	5,904.00
Purchased From Vendor C R GR8, LLC Total:					5,904.00
Purchased From Vendor: CAPITAL ELECTRIC LINE BUILDERS					
CARD SERVICES	1393 08/22	08/16/2022	CITY TRAFFIC SIGNAL MAINT	10-331-000-40900	2,902.74
Purchased From Vendor CAPITAL ELECTRIC LINE BUILDERS Total:					2,902.74
Purchased From Vendor: CENTURION MOVING AND STORAGE					
CARD SERVICES	0452 08/22	08/16/2022	PS MOVE	21-086-103-65000	2,992.50
CARD SERVICES	0452 08/22	08/16/2022	PS MOVE	21-086-103-65000	262.50
Purchased From Vendor CENTURION MOVING AND STORAGE Total:					3,255.00
Purchased From Vendor: CHICK FIL A					
CARD SERVICES	9100 08/22	08/16/2022	JR POLICE ACADEMY LUNCHE	10-224-000-22903	105.54
Purchased From Vendor CHICK FIL A Total:					105.54
Purchased From Vendor: CHICKEN N PICKLE					
CARD SERVICES	9100 08/22	08/16/2022	JR POLICE ACADEMY LUNCHE	10-224-000-22903	146.70
Purchased From Vendor CHICKEN N PICKLE Total:					146.70
Purchased From Vendor: CHILI'S					
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	20.16
Purchased From Vendor CHILI'S Total:					20.16
Purchased From Vendor: CICI'S PIZZA					
CARD SERVICES	1351 08/22	08/16/2022	JPA	10-224-000-22903	140.78
Purchased From Vendor CICI'S PIZZA Total:					140.78
Purchased From Vendor: City of Independence, MO					
City of Independence, MO	BENITEZ 06-2022	08/16/2022	TRAVEL REIMBURSEMENT	10-112-000-36000	1,860.11
Purchased From Vendor City of Independence, MO Total:					1,860.11
Purchased From Vendor: COCKRELL PAVING, LLC					
COCKRELL PAVING, LLC	2022-33	08/16/2022	Merrimac asphalt patches	21-025-000-53000	7,850.00
Purchased From Vendor COCKRELL PAVING, LLC Total:					7,850.00
Purchased From Vendor: COLUMBIA CAPITAL MANAGEMENT, LLC					
COLUMBIA CAPITAL MANAGE	22385003	08/16/2022	INVESTMENT MANAGEMENT/	10-112-000-21300	11,478.10
Purchased From Vendor COLUMBIA CAPITAL MANAGEMENT, LLC Total:					11,478.10
Purchased From Vendor: COMMENCO, INC					
CARD SERVICES	0025 08/22	08/16/2022	ANTENNA MOUNT MAGNET	10-226-000-40001	26.78
Purchased From Vendor COMMENCO, INC Total:					26.78
Purchased From Vendor: CORNER CAFE					
CARD SERVICES	0108 08/22	08/16/2022	ACCESS CONTROL/VIDEO	10-221-000-36200	88.75
CARD SERVICES	0460 08/22	08/16/2022	BRKFST MTG - KORAL/BOWM	10-112-000-36100	36.00

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
CARD SERVICES	9191 08/22	08/16/2022	BREAKFAST DURING MOVE	10-226-000-22900	68.46
Purchased From Vendor CORNER CAFE Total:					193.21
Purchased From Vendor: CROWN EQUIPMENT					
CARD SERVICES	9209 08/22	08/16/2022	PS MOVING FOR RFMODFI	10-337-103-41500	565.00
Purchased From Vendor CROWN EQUIPMENT Total:					565.00
Purchased From Vendor: CULLIGAN WATER					
CARD SERVICES	9100 08/22	08/16/2022	WATER SYSTEM FOR PATROL	10-224-000-50500	25.21
Purchased From Vendor CULLIGAN WATER Total:					25.21
Purchased From Vendor: DAMON PURSELL CONSTRUCTION CO.					
DAMON PURSELL CONSTRUCT	276723	08/16/2022	YARD WASTE DISPOSAL	10-331-000-26100	343.00
Purchased From Vendor DAMON PURSELL CONSTRUCTION CO. Total:					343.00
Purchased From Vendor: DESIGN TECHNOLOGIES, LLC					
DESIGN TECHNOLOGIES, LLC	3001	08/16/2022	IT - CAT6A & CAT6 CABLING	10-112-000-40500	907.50
Purchased From Vendor DESIGN TECHNOLOGIES, LLC Total:					907.50
Purchased From Vendor: DONUT KING					
CARD SERVICES	0082 08/22	08/16/2022	BUSINESS LUNCH CIU	10-221-000-36200	82.23
Purchased From Vendor DONUT KING Total:					82.23
Purchased From Vendor: DONUT PALACE					
CARD SERVICES	0429 08/22	08/16/2022	FPAL GOLF TOURNAMENT	52-221-000-44510	47.48
Purchased From Vendor DONUT PALACE Total:					47.48
Purchased From Vendor: EAGLE ENGRAVING					
CARD SERVICES	0025 08/22	08/16/2022	RETIRE GIFT - GRAM	10-226-000-22900	306.95
Purchased From Vendor EAGLE ENGRAVING Total:					306.95
Purchased From Vendor: EBAY					
CARD SERVICES	0025 08/22	08/16/2022	CAR RADIO SPEAKERS & CHAR	10-226-000-40001	107.45
CARD SERVICES	0025 08/22	08/16/2022	CAR RADIO SPEAKERS & CHAR	10-226-000-40001	60.45
CARD SERVICES	9191 08/22	08/16/2022	HARDHAT - PAYNE	10-226-000-56007	98.05
Purchased From Vendor EBAY Total:					265.95
Purchased From Vendor: EDDY, DENNY					
EDDY, DENNY	08/11/2022	08/16/2022	SECURITY DEPOSTI REIMBURS	10-20010	450.00
Purchased From Vendor EDDY, DENNY Total:					450.00
Purchased From Vendor: EDELMAN-LYON CO					
CARD SERVICES	0221 08/22	08/16/2022	CH LOBBY DOOR REPAIR	10-337-102-41500	1,064.00
Purchased From Vendor EDELMAN-LYON CO Total:					1,064.00
Purchased From Vendor: ELEVATOR SAFETY SERVICES					
CARD SERVICES	0221 08/22	08/16/2022	PS ELEVATOR INSPECTION	10-337-103-41500	165.00
Purchased From Vendor ELEVATOR SAFETY SERVICES Total:					165.00
Purchased From Vendor: ELLISON, ANDREA					
ELLISON, ANDREA	08/16/22 REFUND	08/16/2022	SECURITY DEPOSIT REFUND	10-20010	150.00
Purchased From Vendor ELLISON, ANDREA Total:					150.00
Purchased From Vendor: EMBASSY LANDSCAPE GROUP, INC					
EMBASSY LANDSCAPE GROUP,	130671	08/16/2022	GROUNDS MAINTENANCE - A	10-331-000-41800	723.75
EMBASSY LANDSCAPE GROUP,	130672	08/16/2022	BRIDGE BEDS/ BED MAINTEN	10-331-000-41800	199.75
EMBASSY LANDSCAPE GROUP,	130674	08/16/2022	WELCOME CNTR/ GROUND	10-336-111-42100	349.87
EMBASSY LANDSCAPE GROUP,	130675	08/16/2022	WELCOME CNTR/ GROUND	10-336-111-42100	100.62
EMBASSY LANDSCAPE GROUP,	130702	08/16/2022	SPLASH PARK/ GROUND	10-336-112-42100	307.87
EMBASSY LANDSCAPE GROUP,	130703	08/16/2022	WATERFALL/ GROUND	10-336-112-42100	172.00
EMBASSY LANDSCAPE GROUP,	130704	08/16/2022	EH YOUNG/ GROUND	10-336-107-42100	326.87
Purchased From Vendor EMBASSY LANDSCAPE GROUP, INC Total:					2,180.73
Purchased From Vendor: ESO (EMERGENCY REPORTING)					
ESO (EMERGENCY REPORTIN	ESO-84279	08/16/2022	FIRE & EMS PACKAGE	10-226-000-40501	5,712.58
Purchased From Vendor ESO (EMERGENCY REPORTING) Total:					5,712.58
Purchased From Vendor: FASTENAL COMPANY					
CARD SERVICES	1567 08/22	08/16/2022	MARKING PAINT	21-025-000-53000	8.83

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
CARD SERVICES	9209 08/22	08/16/2022	PS REMODEL	10-337-103-41500	82.51
Purchased From Vendor FASTENAL COMPANY Total:					91.34
Purchased From Vendor: FELDMAN'S FARM AND HOME					
CARD SERVICES	0023 08/22	08/16/2022	FPAL GOLF PRIZES	52-221-000-44510	208.98
Purchased From Vendor FELDMAN'S FARM AND HOME Total:					208.98
Purchased From Vendor: FICHIPWE, DEPRUNA					
FICHIPWE, DEPRUNA	08/16/22 REFUND	08/16/2022	SECURITY DEPOSIT REFUND	10-20010	100.00
Purchased From Vendor FICHIPWE, DEPRUNA Total:					100.00
Purchased From Vendor: FIREHOUSE SUBS					
CARD SERVICES	9100 08/22	08/16/2022	JR POLICE ACADEMY LUNCHE	10-224-000-22903	115.27
CARD SERVICES	9191 08/22	08/16/2022	LUNCH DURING MOVE	10-226-000-22900	77.47
Purchased From Vendor FIREHOUSE SUBS Total:					192.74
Purchased From Vendor: FREELANCE EXCAVATION, LLC					
FREELANCE EXCAVATION, LLC	277	08/16/2022	Tullison Road grading	21-025-000-53000	3,010.00
FREELANCE EXCAVATION, LLC	279	08/16/2022	Merrimac inlet riprap	21-025-000-53000	1,255.00
FREELANCE EXCAVATION, LLC	284	08/16/2022	EHY topsoil, mulch, cleanup	21-025-000-53000	1,610.00
Purchased From Vendor FREELANCE EXCAVATION, LLC Total:					5,875.00
Purchased From Vendor: GALLS INCORPORATED					
CARD SERVICES	0082 08/22	08/16/2022	UNIFORM	10-221-000-56000	143.50
CARD SERVICES	0108 08/22	08/16/2022	UNIFORMS	10-221-000-56000	25.10
CARD SERVICES	0108 08/22	08/16/2022	UNIFORMS	10-221-000-56000	203.75
CARD SERVICES	0114 08/22	08/16/2022	UNIFORM	10-221-000-56000	54.35
CARD SERVICES	0221 08/22	08/16/2022	PANTS - JR	10-331-000-56000	106.04
CARD SERVICES	0494 08/22	08/16/2022	UNIFORM	10-221-000-56000	143.50
CARD SERVICES	0502 08/22	08/16/2022	UNIFORM	10-221-000-56000	46.47
CARD SERVICES	0718 08/22	08/16/2022	PANTS - ERIC	10-331-000-56000	102.96
CARD SERVICES	0759 08/22	08/16/2022	EMS PANTS - KARSON	10-226-000-56000	115.60
CARD SERVICES	1708 08/22	08/16/2022	UNIFORM	10-221-000-56000	190.53
Purchased From Vendor GALLS INCORPORATED Total:					1,131.80
Purchased From Vendor: GAYLORD ROCKIES RESORT					
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	15.62
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	83.33
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	21.36
Purchased From Vendor GAYLORD ROCKIES RESORT Total:					120.31
Purchased From Vendor: GENERAL ELEVATOR & HYDRAULICS, INC.					
CARD SERVICES	0221 08/22	08/16/2022	PS ELEVATOR INSPECTION	10-337-103-41500	345.00
Purchased From Vendor GENERAL ELEVATOR & HYDRAULICS, INC. Total:					345.00
Purchased From Vendor: GFL ENVIRONMENTAL					
CARD SERVICES	0058 08/22	08/16/2022	CITY WIDE TRASH	10-331-000-26000	6,774.84
CARD SERVICES	0058 08/22	08/16/2022	PW & PURCELL DUMP	10-331-000-26100	1,618.18
CARD SERVICES	0058 08/22	08/16/2022	PS MISC DUMP	21-086-103-65000	75.00
Purchased From Vendor GFL ENVIRONMENTAL Total:					8,468.02
Purchased From Vendor: GO CAR WASH					
CARD SERVICES	0023 08/22	08/16/2022	VEH 102 MAINT	10-221-000-41000	32.99
CARD SERVICES	0502 08/22	08/16/2022	VEH MAINT	10-221-000-41000	22.99
Purchased From Vendor GO CAR WASH Total:					55.98
Purchased From Vendor: GRANDMA'S CATERING					
CARD SERVICES	1914 08/22	08/16/2022	BOA DINNER	10-112-000-53900	356.15
CARD SERVICES	1914 08/22	08/16/2022	BOA DINNER - TIP	10-112-000-53900	15.00
Purchased From Vendor GRANDMA'S CATERING Total:					371.15
Purchased From Vendor: GREEN TOUCH LAWN & TREE					
CARD SERVICES	0221 08/22	08/16/2022	BEGWORM TREATMENT CAM	10-336-000-41800	1,644.50
Purchased From Vendor GREEN TOUCH LAWN & TREE Total:					1,644.50
Purchased From Vendor: HALLMARK					
CARD SERVICES	9100 08/22	08/16/2022	GREETING CARD FOR GRAM'S	10-224-000-22900	14.99
Purchased From Vendor HALLMARK Total:					14.99

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Purchased From Vendor: HAMPEL OIL, INC					
CARD SERVICES	0130 08/22	08/16/2022	TDC 1500 MOWER	10-331-000-40000	126.95
Purchased From Vendor HAMPEL OIL, INC Total:					126.95
Purchased From Vendor: HAPPY SIGNS LLC					
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	122.60
Purchased From Vendor HAPPY SIGNS LLC Total:					122.60
Purchased From Vendor: HARRIS CALORIFIC SALES					
CARD SERVICES	1393 08/22	08/16/2022	WELDING CABLES	10-331-000-52700	495.00
Purchased From Vendor HARRIS CALORIFIC SALES Total:					495.00
Purchased From Vendor: HERITAGE TRACTOR, INC					
CARD SERVICES	0312 08/22	08/16/2022	JD MOWERS #12 REPAIR	10-331-000-40000	3,046.61
CARD SERVICES	0312 08/22	08/16/2022	JD MOWERS STOCK	10-331-000-40000	260.32
CARD SERVICES	0312 08/22	08/16/2022	JD MOWERS FILTERS STOCK	10-331-000-40000	49.92
Purchased From Vendor HERITAGE TRACTOR, INC Total:					3,356.85
Purchased From Vendor: HOME DEPOT					
CARD SERVICES	0221 08/22	08/16/2022	MOBILE PRESSURE WASHER O	10-331-000-40000	51.88
CARD SERVICES	0221 08/22	08/16/2022	WELCOME PLAZA ELECTRIC R	10-336-111-42100	97.98
CARD SERVICES	0270 08/22	08/16/2022	FIRE SUPPLIES	10-226-000-53720	48.17
CARD SERVICES	0429 08/22	08/16/2022	EXT CORD	10-226-000-53720	65.97
CARD SERVICES	0452 08/22	08/16/2022	TREE WATERING BAGS	10-332-000-52700	204.63
CARD SERVICES	0452 08/22	08/16/2022	TREE WATERING BAGS	10-332-000-52700	10.77
CARD SERVICES	0452 08/22	08/16/2022	TREE WATERING BAGS	10-332-000-52700	10.77
CARD SERVICES	0502 08/22	08/16/2022	K9 EQUIP	10-221-000-44505	24.28
CARD SERVICES	0627 08/22	08/16/2022	EH PAINT SUPPLIES FOR RR EX	10-336-107-42100	91.46
CARD SERVICES	0718 08/22	08/16/2022	CC RTU CLEANING	10-337-104-41500	23.94
CARD SERVICES	0759 08/22	08/16/2022	DECK SUPPLIES	10-226-000-53720	117.38
CARD SERVICES	9084 08/22	08/16/2022	TOOLS FOR POLICE DEPT	10-221-000-44512	660.94
CARD SERVICES	9183 08/22	08/16/2022	FRIDGE WATER CONNECT	10-226-000-53720	62.96
CARD SERVICES	9183 08/22	08/16/2022	ANT TRAPS BAIT	10-226-000-53720	23.94
CARD SERVICES	9183 08/22	08/16/2022	CREDIT - FRIDGE WATER CON	10-226-000-53720	-17.98
CARD SERVICES	9191 08/22	08/16/2022	KEYS FOR NEW TRAILER	10-226-000-53720	73.76
CARD SERVICES	9209 08/22	08/16/2022	MOWER TRAILERS	10-331-000-40000	128.88
CARD SERVICES	9209 08/22	08/16/2022	EH PICKLEBALL GATE REPAIR	10-336-107-42100	7.78
Purchased From Vendor HOME DEPOT Total:					1,687.51
Purchased From Vendor: HOUSTON EXCAVATING					
HOUSTON EXCAVATING	480	08/16/2022	Horizons West	21-020-000-54000	10,000.00
HOUSTON EXCAVATING	481	08/16/2022	Horizons West	21-020-000-54000	8,000.00
Purchased From Vendor HOUSTON EXCAVATING Total:					18,000.00
Purchased From Vendor: HYVEE					
CARD SERVICES	0247 08/22	08/16/2022	JPA AWARD LUNCH	10-224-000-22903	1,205.00
CARD SERVICES	0247 08/22	08/16/2022	FPAL GOLF TOURNEY - BREAK	52-221-000-44510	625.00
Purchased From Vendor HYVEE Total:					1,830.00
Purchased From Vendor: IAI					
CARD SERVICES	1898 08/22	08/16/2022	IAI CONF	10-221-000-36405	400.00
Purchased From Vendor IAI Total:					400.00
Purchased From Vendor: INDEPENDENT DOOR & GATE OF MO, LLC					
CARD SERVICES	0221 08/22	08/16/2022	CH LOBBY DOOR REPAIR	10-337-102-41500	263.75
CARD SERVICES	0221 08/22	08/16/2022	PS SECURITY	10-337-103-41500	660.25
Purchased From Vendor INDEPENDENT DOOR & GATE OF MO, LLC Total:					924.00
Purchased From Vendor: INTERNATIONAL CODE COUNCIL, INC.					
CARD SERVICES	0551 08/22	08/16/2022	ICC CONF REG	10-819-000-36400	650.00
Purchased From Vendor INTERNATIONAL CODE COUNCIL, INC. Total:					650.00
Purchased From Vendor: J AND R SHOES					
CARD SERVICES	0312 08/22	08/16/2022	BOOTS - MATT	10-331-000-56000	203.99
CARD SERVICES	0312 08/22	08/16/2022	BOOTS - DARREN	10-331-000-56000	203.99
Purchased From Vendor J AND R SHOES Total:					407.98

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Purchased From Vendor: JULIE RANGEL					
CARD SERVICES	0502 08/22	08/16/2022	K9 EQUIP	10-221-000-44505	75.97
Purchased From Vendor JULIE RANGEL Total:					75.97
Purchased From Vendor: KC BOBCAT					
CARD SERVICES	0718 08/22	08/16/2022	SKID STEER MAINT	10-331-000-40000	265.08
Purchased From Vendor KC BOBCAT Total:					265.08
Purchased From Vendor: KC DOGS					
CARD SERVICES	9068 08/22	08/16/2022	HOT DOGS FOR INDIAN HILLS	10-112-000-22910	540.55
CARD SERVICES	9068 08/22	08/16/2022	HOT DOGS FOR TOWNHOMES	10-112-000-22910	670.28
Purchased From Vendor KC DOGS Total:					1,210.83
Purchased From Vendor: KC WEB, INC					
CARD SERVICES	9100 08/22	08/16/2022	INTERNET FOR CITY	10-112-000-27000	200.00
Purchased From Vendor KC WEB, INC Total:					200.00
Purchased From Vendor: KINGDOM TREE AND STOMP					
CARD SERVICES	1567 08/22	08/16/2022	635 CLEARING SOUTH OF RR	21-025-000-53000	3,000.00
Purchased From Vendor KINGDOM TREE AND STOMP Total:					3,000.00
Purchased From Vendor: LANDMARK NEWSPAPER, THE					
CARD SERVICES	0058 08/22	08/16/2022	1 YEAR RENEWAL	10-112-000-34000	30.00
Purchased From Vendor LANDMARK NEWSPAPER, THE Total:					30.00
Purchased From Vendor: LEAVENWORTH FMS					
CARD SERVICES	1542 08/22	08/16/2022	JOB FAIR	10-224-000-40708	150.00
Purchased From Vendor LEAVENWORTH FMS Total:					150.00
Purchased From Vendor: LEIBRANDS RIVERSIDE AUTO					
LEIBRANDS RIVERSIDE AUTO	8624	08/16/2022	VEHICLE #90 MAINT/AC & TIR	10-221-000-41000	1,192.24
LEIBRANDS RIVERSIDE AUTO	8631	08/16/2022	VEHICLE #107 MAINT/ OIL CH	10-221-000-41000	91.90
LEIBRANDS RIVERSIDE AUTO	8781	08/16/2022	VEHICLE #92 MAINT/ OIL CHA	10-221-000-41000	91.90
LEIBRANDS RIVERSIDE AUTO	8825	08/16/2022	VEHICLE #F250 MAINT/ OIL C	10-221-000-41000	91.90
Purchased From Vendor LEIBRANDS RIVERSIDE AUTO Total:					1,467.94
Purchased From Vendor: LEXIS NEXIS					
CARD SERVICES	0082 08/22	08/16/2022	CIU DUES	10-221-000-34500	74.00
Purchased From Vendor LEXIS NEXIS Total:					74.00
Purchased From Vendor: LOOMIS ARMORED US, LLC					
LOOMIS ARMORED US, LLC	13062760	08/16/2022	COURIER SERVICE/ AUGUST 2	10-112-000-43800	211.43
Purchased From Vendor LOOMIS ARMORED US, LLC Total:					211.43
Purchased From Vendor: LOTUS LAWNCARE & SERVICES, LLC					
LOTUS LAWNCARE & SERVICE	11211	08/16/2022	2022 MODOT ROW mowing	10-331-000-21304	17,000.00
Purchased From Vendor LOTUS LAWNCARE & SERVICES, LLC Total:					17,000.00
Purchased From Vendor: LOWES					
CARD SERVICES	0025 08/22	08/16/2022	CREDIT - JOIST HANGER	10-226-000-53720	-8.88
CARD SERVICES	0025 08/22	08/16/2022	SCREWS & MISC	10-226-000-53720	119.00
CARD SERVICES	0025 08/22	08/16/2022	SURGE PROTECTORS & EXT C	10-226-000-53720	147.06
CARD SERVICES	0025 08/22	08/16/2022	STAIR STRINGERS DECK	10-226-000-53720	165.12
CARD SERVICES	0025 08/22	08/16/2022	GRASS SEED, NUTS, BOLTS, ET	10-226-000-53720	192.94
CARD SERVICES	0130 08/22	08/16/2022	ARGOSY N BACKFLOW	10-336-113-42100	3.86
CARD SERVICES	0270 08/22	08/16/2022	DECK SUPPLIES	10-226-000-53720	134.78
CARD SERVICES	0270 08/22	08/16/2022	CLEANING SUPPLIES	10-226-000-53720	101.25
CARD SERVICES	9084 08/22	08/16/2022	SUPPLIES TO MAKE FLAG FOR	10-221-000-44512	62.00
Purchased From Vendor LOWES Total:					917.13
Purchased From Vendor: MACNAUGHT USA					
CARD SERVICES	1393 08/22	08/16/2022	BULK OIL PUMPS	10-331-000-52700	1,373.20
Purchased From Vendor MACNAUGHT USA Total:					1,373.20
Purchased From Vendor: MANAGERPLUS SOLUTIONS, LLC					
CARD SERVICES	9100 08/22	08/16/2022	FLEET MGR YEARLY MAINT FE	10-224-000-40701	2,250.82
Purchased From Vendor MANAGERPLUS SOLUTIONS, LLC Total:					2,250.82
Purchased From Vendor: MASTER-TECH AUTOMOTIVE REPAIR, INC					
CARD SERVICES	0025 08/22	08/16/2022	VEH 800 SERVICE	10-226-000-41000	98.40

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
CARD SERVICES	0312 08/22	08/16/2022	TRUCK 89 AC	10-331-000-41000	313.62
Purchased From Vendor MASTER-TECH AUTOMOTIVE REPAIR, INC Total:					412.02
Purchased From Vendor: MCCLURE ENGINEERING					
MCCLURE ENGINEERING	110867	08/16/2022	Vivion Rd Trail east	21-072-000-51000	4,830.00
Purchased From Vendor MCCLURE ENGINEERING Total:					4,830.00
Purchased From Vendor: MELT BOX KC					
CARD SERVICES	9068 08/22	08/16/2022	ICE CREAM FOR INDIAN HILLS	10-112-000-22910	660.00
CARD SERVICES	9068 08/22	08/16/2022	ICE CREAM FOR TOWNHOME	10-112-000-22910	1,080.00
Purchased From Vendor MELT BOX KC Total:					1,740.00
Purchased From Vendor: MENARDS					
CARD SERVICES	0058 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	12.32
Purchased From Vendor MENARDS Total:					12.32
Purchased From Vendor: METRO ROLLOFF CONTAINER SERVICES					
CARD SERVICES	0221 08/22	08/16/2022	MRT PORT O'POTTY	10-336-000-42000	102.99
CARD SERVICES	0221 08/22	08/16/2022	MRT POT O'POTTY	10-336-000-42000	102.99
CARD SERVICES	0221 08/22	08/16/2022	EH POT O'POTTY	10-336-107-42100	390.00
CARD SERVICES	0221 08/22	08/16/2022	EH PORT O'POTTY	10-336-107-42100	390.98
CARD SERVICES	0221 08/22	08/16/2022	RB POT O'POTTY	10-336-108-42100	255.50
Purchased From Vendor METRO ROLLOFF CONTAINER SERVICES Total:					1,242.46
Purchased From Vendor: METROMEDIA, INC					
CARD SERVICES	0058 08/22	08/16/2022	NRCC AD ANNUAL BROCHURE	10-112-000-21000	494.00
Purchased From Vendor METROMEDIA, INC Total:					494.00
Purchased From Vendor: MI RANCHITO					
CARD SERVICES	9084 08/22	08/16/2022	COMMAND STAFF LUNCH MT	10-221-000-44512	39.32
Purchased From Vendor MI RANCHITO Total:					39.32
Purchased From Vendor: MICHAEL'S STORES					
CARD SERVICES	0108 08/22	08/16/2022	GRAM RETIRE	10-115-000-31200	72.82
Purchased From Vendor MICHAEL'S STORES Total:					72.82
Purchased From Vendor: MIDWAY FORD TRUCK CENTER					
CARD SERVICES	9209 08/22	08/16/2022	TRUCK 84 REPAIR	10-331-000-41000	559.52
Purchased From Vendor MIDWAY FORD TRUCK CENTER Total:					559.52
Purchased From Vendor: MINSKY'S PIZZA					
CARD SERVICES	1914 08/22	08/16/2022	BOA DINNER	10-112-000-53900	230.35
Purchased From Vendor MINSKY'S PIZZA Total:					230.35
Purchased From Vendor: MISSISSIPPI WELDERS					
CARD SERVICES	1393 08/22	08/16/2022	TIG WELDING EQUIP	10-331-000-52700	1,470.29
Purchased From Vendor MISSISSIPPI WELDERS Total:					1,470.29
Purchased From Vendor: MISSOURI MUNICIPAL LEAGUE					
CARD SERVICES	0058 08/22	08/16/2022	ROSE, KORAL, DUFFY & HONO	10-112-000-22910	300.00
CARD SERVICES	0058 08/22	08/16/2022	KORAL - MCMA ANNUAL DUE	10-112-000-34500	150.00
MISSOURI MUNICIPAL LEAGU	RESO R-2022-082	08/16/2022	CITY SUMMIT SPONSORSHIP S	10-112-000-21000	5,000.00
Purchased From Vendor MISSOURI MUNICIPAL LEAGUE Total:					5,450.00
Purchased From Vendor: MISSOURI NETWORK ALLIANCE					
MISSOURI NETWORK ALLIANC	43714	08/16/2022	INTERNET AUG 2022	10-112-000-40500	2,025.00
Purchased From Vendor MISSOURI NETWORK ALLIANCE Total:					2,025.00
Purchased From Vendor: MISSOURI ONE CALL SYSTEM, INC					
MISSOURI ONE CALL SYSTEM,	2070270	08/16/2022	LOCATE FEES (125) / JULY 202	10-331-000-21306	156.25
Purchased From Vendor MISSOURI ONE CALL SYSTEM, INC Total:					156.25
Purchased From Vendor: MISSOURI STATE HIGHWAY PATROL					
MISSOURI STATE HIGHWAY PA	812HP022X82106	08/16/2022	PD CRIMINAL RECORDS SEAR	10-112-000-30800	166.25
MISSOURI STATE HIGHWAY PA	812HP022X82106	08/16/2022	ADMIN/HR CRIMINAL RECOR	10-115-000-30800	66.50
Purchased From Vendor MISSOURI STATE HIGHWAY PATROL Total:					232.75
Purchased From Vendor: MOD PIZZA					
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	20.35
Purchased From Vendor MOD PIZZA Total:					20.35

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Purchased From Vendor: MOON BOUNCE KC					
CARD SERVICES	9068 08/22	08/16/2022	INFLATABLES FOR INDIAN HILL	10-112-000-22910	385.57
Purchased From Vendor MOON BOUNCE KC Total:					385.57
Purchased From Vendor: MOTOROLA SOLUTIONS, INC					
MOTOROLA SOLUTIONS, INC	8281389234	08/16/2022	PORTABLE RADIOS	30-226-000-65000	12,546.27
MOTOROLA SOLUTIONS, INC	8281390257	08/16/2022	PORTABLE RADIOS	30-226-000-65000	46,626.00
CARD SERVICES	0023 08/22	08/16/2022	BATTERY REPLACEMENT PORT	10-221-000-40000	192.72
Purchased From Vendor MOTOROLA SOLUTIONS, INC Total:					59,364.99
Purchased From Vendor: MRC I LLC					
CARD SERVICES	9076 08/22	08/16/2022	RECYCLING EVENT	10-331-000-26400	325.00
Purchased From Vendor MRC I LLC Total:					325.00
Purchased From Vendor: NAYAK WASH					
CARD SERVICES	0502 08/22	08/16/2022	DOG WASH	10-221-000-44505	10.00
CARD SERVICES	0502 08/22	08/16/2022	DOG WASH	10-221-000-44505	10.00
Purchased From Vendor NAYAK WASH Total:					20.00
Purchased From Vendor: NORTHERN TOOL					
CARD SERVICES	1393 08/22	08/16/2022	DRUM DOLLIES	10-331-000-52700	219.97
Purchased From Vendor NORTHERN TOOL Total:					219.97
Purchased From Vendor: NU CPS REGISTRATION					
CARD SERVICES	0023 08/22	08/16/2022	CREDIT - COMMAND COLLEG	10-221-000-36414	-4,500.00
Purchased From Vendor NU CPS REGISTRATION Total:					-4,500.00
Purchased From Vendor: NUESYNERGY, INC					
NUESYNERGY, INC	N51234	08/16/2022	ADMIN FEE FOR HSA & CAFET	10-115-000-31610	291.00
Purchased From Vendor NUESYNERGY, INC Total:					291.00
Purchased From Vendor: OFFICE DEPOT, INC					
OFFICE DEPOT, INC	23020397	08/16/2022	OFFICE SUPPLIES	10-112-000-50500	294.74
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	58.67
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	74.27
CARD SERVICES	0221 08/22	08/16/2022	PW OFFICE SUPPLIES	10-331-000-51600	167.86
Purchased From Vendor OFFICE DEPOT, INC Total:					595.54
Purchased From Vendor: ONSTAR DATA PLAN					
CARD SERVICES	9084 08/22	08/16/2022	VEH MAINT	10-224-000-27200	15.00
CARD SERVICES	9084 08/22	08/16/2022	VEH MAINT	10-224-000-27200	27.99
Purchased From Vendor ONSTAR DATA PLAN Total:					42.99
Purchased From Vendor: O'REILLY AUTO					
CARD SERVICES	0130 08/22	08/16/2022	TRUCK 93 & STOCK	10-331-000-41000	183.72
CARD SERVICES	0627 08/22	08/16/2022	WIPER FLUID STOCK	10-331-000-41000	311.52
Purchased From Vendor O'REILLY AUTO Total:					495.24
Purchased From Vendor: ORR SAFETY					
CARD SERVICES	0221 08/22	08/16/2022	PS REMODEL	10-337-103-41500	222.00
Purchased From Vendor ORR SAFETY Total:					222.00
Purchased From Vendor: OUTBACK STEAKHOUSE					
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	41.45
Purchased From Vendor OUTBACK STEAKHOUSE Total:					41.45
Purchased From Vendor: OUTLAW CIGAR					
CARD SERVICES	0108 08/22	08/16/2022	FPAL GOLF	52-221-000-44510	186.25
Purchased From Vendor OUTLAW CIGAR Total:					186.25
Purchased From Vendor: PACKTRACK					
CARD SERVICES	0502 08/22	08/16/2022	K9 SOFTWARE	10-221-000-44505	14.00
Purchased From Vendor PACKTRACK Total:					14.00
Purchased From Vendor: PARTY CITY					
CARD SERVICES	9076 08/22	08/16/2022	TABLE CLOTH - JPA LUNCH	10-341-100-44522	26.50
Purchased From Vendor PARTY CITY Total:					26.50

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount	
Purchased From Vendor: PAYPAL						
CARD SERVICES	0108 08/22	08/16/2022	PROPERTY ROOM DUES	10-221-000-34500	65.00	
					Purchased From Vendor PAYPAL Total:	65.00
Purchased From Vendor: PEANUT						
CARD SERVICES	0460 08/22	08/16/2022	ANNUAL EVAL MTG - STROUG	10-112-000-36100	40.00	
					Purchased From Vendor PEANUT Total:	40.00
Purchased From Vendor: PETCO						
CARD SERVICES	0239 08/22	08/16/2022	KENNEL FOR TRUCK	10-819-000-41000	154.49	
CARD SERVICES	0502 08/22	08/16/2022	K9 EQUIP	10-221-000-44505	14.23	
CARD SERVICES	0502 08/22	08/16/2022	DOG FOOD	10-221-000-44505	113.95	
CARD SERVICES	0502 08/22	08/16/2022	K9 EQUIP	10-221-000-44505	25.19	
					Purchased From Vendor PETCO Total:	307.86
Purchased From Vendor: PETSMAART						
CARD SERVICES	0502 08/22	08/16/2022	K9 EQUIP	10-221-000-44505	40.25	
					Purchased From Vendor PETSMAART Total:	40.25
Purchased From Vendor: PRICE CHOPPER						
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	36.12	
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	4.50	
					Purchased From Vendor PRICE CHOPPER Total:	40.62
Purchased From Vendor: PRIDE CLEANERS						
CARD SERVICES	0108 08/22	08/16/2022	UNIFORM	10-221-000-56000	60.61	
					Purchased From Vendor PRIDE CLEANERS Total:	60.61
Purchased From Vendor: Q4 INDUSTRIES, LLC						
CARD SERVICES	0221 08/22	08/16/2022	TRASH BAGS	10-331-000-51011	374.20	
					Purchased From Vendor Q4 INDUSTRIES, LLC Total:	374.20
Purchased From Vendor: QUALITY PLUMBING INC						
CARD SERVICES	0221 08/22	08/16/2022	CH COURT TOILET REPAIR	10-337-102-41500	350.00	
					Purchased From Vendor QUALITY PLUMBING INC Total:	350.00
Purchased From Vendor: QUIK TRIP						
CARD SERVICES	0023 08/22	08/16/2022	NKC SHOOTING - DRINKS	10-221-000-52500	5.22	
CARD SERVICES	0429 08/22	08/16/2022	MISCHARGE	10-14000	11.63	
CARD SERVICES	0429 08/22	08/16/2022	FUEL	10-226-000-54100	60.18	
					Purchased From Vendor QUIK TRIP Total:	77.03
Purchased From Vendor: R H FASTENER SUPPLY						
CARD SERVICES	0718 08/22	08/16/2022	OIL DRUM DOLLY BOLTS	10-337-101-41500	10.00	
					Purchased From Vendor R H FASTENER SUPPLY Total:	10.00
Purchased From Vendor: RED X						
CARD SERVICES	0058 08/22	08/16/2022	KINCAID	10-112-000-27201	19.99	
CARD SERVICES	0058 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	10.00	
					Purchased From Vendor RED X Total:	29.99
Purchased From Vendor: REEVES						
CARD SERVICES	9209 08/22	08/16/2022	WATER LEAK REPAIR PS	10-337-103-41500	51.70	
					Purchased From Vendor REEVES Total:	51.70
Purchased From Vendor: REJIS COMMISSION						
CARD SERVICES	0025 08/22	08/16/2022	GA NET ACCESS	10-226-000-34000	15.00	
					Purchased From Vendor REJIS COMMISSION Total:	15.00
Purchased From Vendor: RIVERSIDE CARWASH						
CARD SERVICES	0025 08/22	08/16/2022	VEH 800	10-226-000-41000	10.00	
					Purchased From Vendor RIVERSIDE CARWASH Total:	10.00
Purchased From Vendor: RIVERSIDE, CITY OF						
RIVERSIDE, CITY OF	081122	08/16/2022	COMMUNITY CENTER	10-341-100-44522	6.67	
RIVERSIDE, CITY OF	081122	08/16/2022	RECORDER OF DEEDS/ MONT	10-819-000-32500	138.00	
RIVERSIDE, CITY OF	081122	08/16/2022	RECORDER OF DEEDS/ PALISA	10-819-000-32500	69.00	
RIVERSIDE, CITY OF	081122	08/16/2022	RECORDER OF DEEDS/ 40 WE	10-819-000-32500	66.00	
RIVERSIDE, CITY OF	081122	08/16/2022	OVERAGE	10-819-000-32500	-0.01	
RIVERSIDE, CITY OF	081122	08/16/2022	CAR WASH	10-819-000-44503	20.00	

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
RIVERSIDE, CITY OF	081122	08/16/2022	CAR WASH	10-819-000-44503	20.00
Purchased From Vendor RIVERSIDE, CITY OF Total:					319.66
Purchased From Vendor: RUBY TUESDAYS					
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	18.13
Purchased From Vendor RUBY TUESDAYS Total:					18.13
Purchased From Vendor: SAM'S CLUB DIRECT					
CARD SERVICES	0025 08/22	08/16/2022	PLATES	10-226-000-53720	46.44
CARD SERVICES	0429 08/22	08/16/2022	ALUMINUM FOIL	10-226-000-53720	27.28
CARD SERVICES	0429 08/22	08/16/2022	FPAL GOLF TOURNAMENT	52-221-000-44510	425.64
CARD SERVICES	9076 08/22	08/16/2022	REC PROGRAM	10-341-100-44522	295.66
CARD SERVICES	9183 08/22	08/16/2022	KITCHEN CONDIMENTS	10-226-000-53720	205.30
Purchased From Vendor SAM'S CLUB DIRECT Total:					1,000.32
Purchased From Vendor: SARPINO'S PIZZERIA					
CARD SERVICES	9084 08/22	08/16/2022	PIZZA FOR FINAL CLEANING D	10-224-000-22900	69.44
Purchased From Vendor SARPINO'S PIZZERIA Total:					69.44
Purchased From Vendor: SCHULTE SUPPLY					
CARD SERVICES	0221 08/22	08/16/2022	GLOVES PW SHOP	10-331-000-51600	89.90
Purchased From Vendor SCHULTE SUPPLY Total:					89.90
Purchased From Vendor: SHERWIN WILLIAMS					
CARD SERVICES	0130 08/22	08/16/2022	EH PAINT FOR RR PILLERS & B	10-336-107-42100	343.20
Purchased From Vendor SHERWIN WILLIAMS Total:					343.20
Purchased From Vendor: SINOSA, JESSIE					
SINOSA, JESSIE	08/16/22 REFUND	08/16/2022	SECURITY DEPOSIT REFUND	10-20010	50.00
Purchased From Vendor SINOSA, JESSIE Total:					50.00
Purchased From Vendor: SLIVINSKI'S BAKERY					
CARD SERVICES	0058 08/22	08/16/2022	MAYOR'S PLATTE CO MTG	10-102-000-36100	65.87
Purchased From Vendor SLIVINSKI'S BAKERY Total:					65.87
Purchased From Vendor: SMITH, DANIEL					
SMITH, DANIEL	BAND 08/25/22	08/16/2022	BAND/SENIOR DANCE ON 08/	10-341-100-44522	500.00
Purchased From Vendor SMITH, DANIEL Total:					500.00
Purchased From Vendor: SMOKIN GUNS BBQ					
CARD SERVICES	0023 08/22	08/16/2022	COMMANDERS MEETING	10-221-000-36200	45.60
Purchased From Vendor SMOKIN GUNS BBQ Total:					45.60
Purchased From Vendor: SOUTHWEST					
CARD SERVICES	0025 08/22	08/16/2022	INT'L FIRE CHIEF CONF	10-226-000-36000	387.96
CARD SERVICES	0551 08/22	08/16/2022	ICC CONF	10-819-000-36000	66.50
Purchased From Vendor SOUTHWEST Total:					454.46
Purchased From Vendor: SPECTRUM					
CARD SERVICES	1393 08/22	08/16/2022	PW CABLE TV	10-331-000-25600	268.12
CARD SERVICES	9076 08/22	08/16/2022	CC CABLE	10-341-000-25600	90.57
CARD SERVICES	9100 08/22	08/16/2022	BACKUP INTERNET FOR DR PH	10-112-000-27000	119.98
CARD SERVICES	9100 08/22	08/16/2022	CABLE POLICE/FIRE	10-224-000-25600	130.62
Purchased From Vendor SPECTRUM Total:					609.29
Purchased From Vendor: SPENCER FANE LLP					
CARD SERVICES	0692 08/22	08/16/2022	DEV CON SUN - APRIL 2022	10-112-000-20300	731.16
CARD SERVICES	0692 08/22	08/16/2022	ECO DEVO - MARCH 2022	10-112-000-20300	1,050.00
CARD SERVICES	0692 08/22	08/16/2022	ECO DEVO - MAY 2022	10-112-000-20300	1,891.50
CARD SERVICES	0692 08/22	08/16/2022	DEV CONSULT - MAY 2022	10-112-000-20300	1,920.31
CARD SERVICES	0692 08/22	08/16/2022	VLT - MAY 2022	10-112-000-20300	2,400.00
CARD SERVICES	0692 08/22	08/16/2022	VLT - APRIL 2022	10-112-000-20300	4,275.00
CARD SERVICES	0692 08/22	08/16/2022	DEV CON SUN - MARCH 2022	10-112-000-20300	320.99
CARD SERVICES	0692 08/22	08/16/2022	ECO DEVO - APRIL 2022	10-112-000-20300	1,941.50
CARD SERVICES	0692 08/22	08/16/2022	MAGNET - APRIL 2022	21-020-000-51007	3,234.00
CARD SERVICES	0692 08/22	08/16/2022	SM LOT 40 W - MARCH 2022	21-020-000-51007	1,012.50
CARD SERVICES	0692 08/22	08/16/2022	DL 4 PSA - MARCH 2022	21-020-000-51007	3,627.00
CARD SERVICES	0692 08/22	08/16/2022	SM LOT 40 W - APRIL 2022	21-020-000-51007	5,517.50

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
CARD SERVICES	0692 08/22	08/16/2022	TIF - APRIL 2022	21-020-000-51007	792.00
CARD SERVICES	0692 08/22	08/16/2022	AMPH-MAG - MAY 2022	21-020-000-51007	9,927.00
CARD SERVICES	0692 08/22	08/16/2022	DL4 P & S - APRIL 2022	21-020-000-51007	11,446.00
CARD SERVICES	0692 08/22	08/16/2022	MAGNET - MARCH 2022	21-020-000-51007	5,250.00
CARD SERVICES	0692 08/22	08/16/2022	SOCCER - MARCH 2022	21-221-000-51001	2,531.00
CARD SERVICES	0692 08/22	08/16/2022	LIBRARY - MAY 2022	22-066-000-53000	8,128.00
CARD SERVICES	0692 08/22	08/16/2022	LIBRARY - APRIL 2022	22-066-000-53000	3,174.50
Purchased From Vendor SPENCER FANE LLP Total:					69,169.96
Purchased From Vendor: SUMMER MOON					
CARD SERVICES	0460 08/22	08/16/2022	ANNUAL EVAL MTG - SKINRO	10-112-000-36100	14.45
Purchased From Vendor SUMMER MOON Total:					14.45
Purchased From Vendor: SUPERIOR ELECTRICAL CONSTRUCTION, INC					
SUPERIOR ELECTRICAL CONST	351356	08/16/2022	Trailer service connection	21-086-103-65000	5,692.58
Purchased From Vendor SUPERIOR ELECTRICAL CONSTRUCTION, INC Total:					5,692.58
Purchased From Vendor: SUREFIRE					
CARD SERVICES	0082 08/22	08/16/2022	FIREARM BATTERIES	10-221-000-53047	263.30
Purchased From Vendor SUREFIRE Total:					263.30
Purchased From Vendor: TASK FORCE TIPS INC					
CARD SERVICES	0429 08/22	08/16/2022	REPAIR NOZZLE	10-226-000-40001	166.50
Purchased From Vendor TASK FORCE TIPS INC Total:					166.50
Purchased From Vendor: TOWN & COUNTRY BUILDING SERVICES					
TOWN & COUNTRY BUILDING	00144103	08/16/2022	JANITORIAL SERVICE PUBLIC S	10-337-103-44200	1,435.00
TOWN & COUNTRY BUILDING	00144104	08/16/2022	JANITORIAL SERVICE CITY HAL	10-337-102-44200	1,885.00
TOWN & COUNTRY BUILDING	00144105	08/16/2022	JANITORIAL SERVICE PUBLIC	10-337-102-44200	260.00
Purchased From Vendor TOWN & COUNTRY BUILDING SERVICES Total:					3,580.00
Purchased From Vendor: TOWNER COMMUNICATIONS, LLC					
TOWNER COMMUNICATIONS,	26428	08/16/2022	EXTENDED WARRANTY/ 08/01	10-224-000-40703	1,500.00
TOWNER COMMUNICATIONS,	26443	08/16/2022	NETWORK ISSUES - PHONE	10-224-000-40703	600.00
CARD SERVICES	9100 08/22	08/16/2022	DUE TO SERVER CHANGES PH	10-224-000-40703	582.00
CARD SERVICES	9100 08/22	08/16/2022	SETUP PS ADMIN FAX/COPIER	10-224-000-40703	207.00
CARD SERVICES	9100 08/22	08/16/2022	EXT & PHONE FOR J WILCOX	10-224-000-40703	187.50
Purchased From Vendor TOWNER COMMUNICATIONS, LLC Total:					3,076.50
Purchased From Vendor: TRACTOR SUPPLY CO					
CARD SERVICES	0502 08/22	08/16/2022	K9 EQUIP	10-221-000-44505	75.73
Purchased From Vendor TRACTOR SUPPLY CO Total:					75.73
Purchased From Vendor: TRAVEL MEAL					
CARD SERVICES	1351 08/22	08/16/2022	TRAINING TRAVEL	10-221-000-36009	25.94
Purchased From Vendor TRAVEL MEAL Total:					25.94
Purchased From Vendor: TWISTED FRESH					
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	174.36
Purchased From Vendor TWISTED FRESH Total:					174.36
Purchased From Vendor: TWO GUYS & A GRILL					
CARD SERVICES	0460 08/22	08/16/2022	ANNUAL BUDGET TOWNHALL	10-112-000-36100	586.16
CARD SERVICES	9100 08/22	08/16/2022	FPAL GOLF TOURNAMENT LU	52-221-000-44510	2,070.00
Purchased From Vendor TWO GUYS & A GRILL Total:					2,656.16
Purchased From Vendor: TYLER TECHNOLOGIES, INC					
CARD SERVICES	0058 08/22	08/16/2022	KRAMER TRAINING	10-112-000-36400	750.00
CARD SERVICES	0058 08/22	08/16/2022	KRAMER TRAINING	10-112-000-36400	150.00
CARD SERVICES	9100 08/22	08/16/2022	BRAZOS ETICKET YEARLY MAI	10-224-000-40704	1,607.16
Purchased From Vendor TYLER TECHNOLOGIES, INC Total:					2,507.16
Purchased From Vendor: U-HAUL					
CARD SERVICES	9100 08/22	08/16/2022	FPAL GOLF TOURNAMENT TR	52-221-000-44510	149.75
Purchased From Vendor U-HAUL Total:					149.75
Purchased From Vendor: VERIZON					
CARD SERVICES	9100 08/22	08/16/2022	CH ADMIN	10-112-000-27200	63.91
CARD SERVICES	9100 08/22	08/16/2022	CH ADMIN	10-112-000-27201	440.11

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
CARD SERVICES	9100 08/22	08/16/2022	POLICE	10-224-000-27200	680.69
CARD SERVICES	9100 08/22	08/16/2022	FIRE	10-226-000-27200	560.66
CARD SERVICES	9100 08/22	08/16/2022	PUBLIC WORKS	10-331-000-27200	120.03
CARD SERVICES	9100 08/22	08/16/2022	ENGINEERING	10-332-000-27200	40.01
CARD SERVICES	9100 08/22	08/16/2022	COM DEV	10-819-000-27200	120.55
Purchased From Vendor VERIZON Total:					2,025.96
Purchased From Vendor: VISTAPRINT					
CARD SERVICES	1914 08/22	08/16/2022	CARDS - CAMERON & PALMA	10-112-000-32000	145.65
Purchased From Vendor VISTAPRINT Total:					145.65
Purchased From Vendor: VOSS LIGHTING					
CARD SERVICES	9209 08/22	08/16/2022	LIGHT CH STOCK	10-337-102-41500	267.90
Purchased From Vendor VOSS LIGHTING Total:					267.90
Purchased From Vendor: WALGREENS					
CARD SERVICES	0108 08/22	08/16/2022	JPA	10-224-000-22903	36.85
Purchased From Vendor WALGREENS Total:					36.85
Purchased From Vendor: WALMART					
CARD SERVICES	0023 08/22	08/16/2022	FPAL GOLF PAPER GOODS	52-221-000-44510	10.84
CARD SERVICES	0058 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	41.15
CARD SERVICES	0247 08/22	08/16/2022	BOA SUPPLIES	10-112-000-53900	5.06
CARD SERVICES	9100 08/22	08/16/2022	KEURIG FOR GRAM'S RETIRM	10-115-000-31200	109.99
CARD SERVICES	9100 08/22	08/16/2022	JR POLICE ACADEMY GATORA	10-224-000-22903	8.98
CARD SERVICES	9100 08/22	08/16/2022	FPAL GOLF TOURNAMENT SN	52-221-000-44510	14.56
Purchased From Vendor WALMART Total:					190.58
Purchased From Vendor: WATER ENGINEERING					
CARD SERVICES	0221 08/22	08/16/2022	POOL CHEMS	10-336-110-52010	736.50
Purchased From Vendor WATER ENGINEERING Total:					736.50
Purchased From Vendor: WATTS UP					
CARD SERVICES	0627 08/22	08/16/2022	BULBS CH STOCK	10-337-101-41500	347.50
Purchased From Vendor WATTS UP Total:					347.50
Purchased From Vendor: WEBSTAUANT STORE					
CARD SERVICES	9084 08/22	08/16/2022	MINI FRIDGE REPLACEMENT	10-224-000-40709	2,252.09
Purchased From Vendor WEBSTAUANT STORE Total:					2,252.09
Purchased From Vendor: WESTLAKE HARDWARE					
CARD SERVICES	0108 08/22	08/16/2022	FPAL GOLF	52-221-000-44510	631.97
Purchased From Vendor WESTLAKE HARDWARE Total:					631.97
Purchased From Vendor: WEX BANK					
WEX BANK	82710564	08/16/2022	FUEL PURCHASED - ADMINIST	10-112-000-54100	57.30
WEX BANK	82710564	08/16/2022	FUEL PURCHASED - POLICE	10-224-000-54100	7,965.28
WEX BANK	82710564	08/16/2022	FUEL PURCHASED - FIRE DEPT	10-226-000-54100	2,416.31
WEX BANK	82710564	08/16/2022	FUEL PURCHASED - PUBLIC W	10-331-000-54100	2,439.38
WEX BANK	82710564	08/16/2022	FUEL PURCHASED - ENGINEER	10-332-000-54100	328.58
WEX BANK	82710564	08/16/2022	FUEL PURCHASED - COMMUN	10-819-000-54000	495.48
Purchased From Vendor WEX BANK Total:					13,702.33
Purchased From Vendor: WILLIAMS & CAMPO, P.C.					
WILLIAMS & CAMPO, P.C.	548	08/16/2022	LEGAL SERVICES/ JULY 2022	10-112-000-20300	6,206.00
Purchased From Vendor WILLIAMS & CAMPO, P.C. Total:					6,206.00
Purchased From Vendor: WILLIAMS, SPURGEON, KUHL & FRESHNOCK ARCHITECTS, INC					
WILLIAMS, SPURGEON, KUHL	21010012	08/16/2022	PUBLIC SAFETY RENOVATIONS	21-086-000-50000	9,014.09
WILLIAMS, SPURGEON, KUHL	21010014	08/16/2022	PUBLIC SAFETY RENOVATIONS	21-086-000-50000	4,988.31
Purchased From Vendor WILLIAMS, SPURGEON, KUHL & FRESHNOCK ARCHITECTS, INC Total:					14,002.40
Purchased From Vendor: YMCA OF GREATER KANSAS CITY					
YMCA OF GREATER KANSAS CI	JULY 2022 Mem	08/16/2022	REIMB CITY'S SHARE/ EMPLO	10-115-000-21301	409.50
YMCA OF GREATER KANSAS CI	JULY 2022 Mem	08/16/2022	REIMB CITY'S SHARE/ EMPLO	10-341-000-22800	22,762.50
YMCA OF GREATER KANSAS CI	JULY 2022 Mem	08/16/2022	SUPPORT FEE	10-341-000-22801	3,313.33
YMCA OF GREATER KANSAS CI	AUGUST 2022	08/16/2022	POOL MANAGEMENT FEE/ AU	10-336-110-44517	22,600.60
Purchased From Vendor YMCA OF GREATER KANSAS CITY Total:					49,085.93

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Purchased From Vendor: YODER, CRYSTAL					
YODER, CRYSTAL	08/16/22 REFUND	08/16/2022	SECURITY DEPOSIT REFUND	10-20010	75.00
Purchased From Vendor YODER, CRYSTAL Total:					75.00
Grand Total:					391,531.16

A RESOLUTION APPROVING AN AGREEMENT FOR COMPREHENSIVE PLANNING SERVICES BETWEEN THE CITY OF RIVERSIDE MISSOURI AND RDG PLANNING & DESIGN.

WHEREAS, the City of Riverside, Missouri, (the “City”) desires to retain the services of a consulting firm whose duties and responsibilities would include comprehensive planning; and

WHEREAS, the City issued a Request for Qualifications for Comprehensive Planning Services; and

WHEREAS, the City received five (5) Statements of Qualifications in response; and

WHEREAS, RDG Planning & Design, LLC, organized in the state of Nebraska, submitted a Statement of Qualification; and

WHEREAS, the Community Development Director, City Planner, City Administrator, Mayor, and a City Alderman reviewed the statements and conducted interviews with four firms and determined that RDG Planning & Design was qualified; and

WHEREAS, an Agreement for Comprehensive Planning Services Services (the “Agreement”) (“Attachment 1” attached hereto and incorporated herein) was then prepared that is structured so that the base agreement provides for generalized, planning services, while more specific services required, will be authorized in the form of a Task Order which will be individually approved by the Board of Aldermen, and they set forth specific scope of services, compensation, scheduling, and other necessary terms as dependent upon the nature of the project and work requested; and

WHEREAS, the staff recommends to the Board the passage and approval of this resolution approving the Agreement and;

WHEREAS, the AGREEMENT fulfills a public purpose, will further the growth of the City, facilitate the orderly development of the City, improve the environment of the City, foster increased economic activity within the City, increase employment opportunities within the City, enable the City to direct development, and otherwise is in the best interest of the City by furthering the health, safety, and welfare of its residents and taxpayers.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RIVERSIDE, MISSOURI, AS FOLLOWS:

That it is in the best interest of the City, in order to further the health, safety, and welfare of its residents, businesses and taxpayers to approve the Agreement for Comprehensive Planning Services (the “Agreement”) (“Attachment 1” attached hereto and incorporated herein), and such Agreement is approved; and

FURTHER THAT the Mayor, City Administrator, and all other required city officials are authorized to execute the Agreement authorized herein together with any and all documents necessary or incidental to the performance thereof and to take such other actions as may be deemed lawful, necessary and/or convenient to carry out and comply with the intent of this Resolution; and

RESOLUTION NO. R-2022-089

FURTHER THAT the provisions of this resolution are severable and if any provision hereof is declared invalid, unconstitutional or unenforceable, such determination shall not affect the validity of the remainder of this resolution; and

FURTHER THAT this Resolution shall be in full force and effect from and after the date of its passage and approval.

PASSED AND ADOPTED by the Board of Aldermen of the City of Riverside, Missouri, the 16th day of August 2022.

Kathleen L. Rose, Mayor

ATTEST:

Robin Kincaid, City Clerk

AGREEMENT FOR PLANNING SERVICES

THIS AGREEMENT is entered into as of the **16th day of August, 2022** (the “Effective Date”), by and between RDG Planning and Design, organized in the state of Iowa, having an office at 1302 Howard St, Omaha, NE 68102 (the “Consultant”) and the City of Riverside, Missouri, a Missouri municipal corporation (the “City”).

WHEREAS, the City desires to engage the Consultant to provide services to the City regarding planning services as more fully described in Exhibit A, entitled “Project Services” attached hereto and incorporated herein by reference.

NOW, THEREFORE, in consideration of the promises and mutual covenants between the parties and for other good and valuable consideration the receipt of which is acknowledged by the parties, they agree as follows.

1. **Term of Agreement.**

This non-exclusive Agreement shall begin as of the Effective Date and shall continue until terminated as provided herein.

2. **Scope of Services.**

A. *General.* The Consultant shall provide the Project Services described in Exhibit A. The Consultant is solely responsible for payment of wages, salaries, fringe benefits and other compensation of, or claimed by, the Consultant’s personnel in the performance of the Project Services, including, without limitation, contributions to any employee benefit plans and all payroll taxes.

B. *Project Specific.* In addition to the Project Services to be provided pursuant to this Agreement, the City may task the Consultant to provide additional professional planning services on a project-specific basis. In the event the Consultant is tasked to provide such services, the City and the Consultant shall acknowledge a separate Task Order in the form attached hereto as Exhibit C in its substantial form, which describes the scope of services to be provided by the Consultant and the City, providing for compensation for services to be provided by the Consultant, and providing completion times for said services, and any other necessary matters. The compensation to be paid the Consultant pursuant to any supplemental agreement shall be at the rates set forth in Exhibit B attached hereto and incorporated herein by reference unless otherwise agreed in the Task Order. In no event is any work in excess of that described in Exhibit A authorized by this Agreement without the City and the Consultant first entering into a Task Order.

3. **Compensation and Invoices.**

A. The City agrees to compensate the Consultant in accordance with the Compensation Schedule contained in Exhibit B.

B. The City will pay all proper invoices within thirty (30) days of receipt. The following establishes the invoice procedure:

1. All invoices shall contain a narrative entry sufficient to describe the work or task performed and an indication of the person and job classification who performed the work.
2. The Consultant shall not charge the City more than \$0.10 per page (for 8 ½ x 11” paper). If an outside copying job (e.g., FedEx Office) is required, Consultant shall only bill the actual cost incurred for photocopying with no markup.
3. All other out-of-pocket expenses will be for actual cost only with no markup (includes meals, hotels, courier, printing of plan sheets, special delivery, etc.).

C. The City shall have the right to withhold payment to Consultant for any work not completed in a satisfactory manner until such time as Consultant modifies such work to the satisfaction of the City.

4. The City’s Responsibilities.

The City shall give prompt notice to the Consultant of any matters of which the City becomes aware that may affect the Project Services of the Consultant. The City shall cooperate with the Consultant in performing the Project Services by making available at reasonable times and places relevant City documents and pertinent City officers and employees to advise, assist, consult and direct the Consultant. The City shall examine documents submitted by the Consultant and render decisions promptly as may be required.

5. Insurance.

A. General Provisions. Consultant shall file (by the Effective Date) with the City evidence of liability insurance that is consistent with the amounts set forth below.

B. Limits and Coverage.

1. A policy of insurance for Commercial General Liability Coverage shall be provided in the aggregate amount of not less than \$2,000,000 for all claims and \$1,000,000 per occurrence. A policy of insurance for Automobile Liability Coverage shall also be provided in the amount of not less than \$1,000,000 on a combined single limit. The City shall be listed as an additional insured as respects both policies. Neither policy shall not be cancelled, or materially modified so as to be out of compliance with the requirements of this section, or not renewed without thirty (30) days advance written notice of such event being given to the City.
2. The Consultant shall obtain and maintain Workers’ Compensation Insurance for a limit of \$500,000 for all of their respective employees, and in case any work is sublet, the Consultant shall require any subcontractors to provide Workers’ Compensation insurance for all subcontractor’s employees, in compliance with Missouri law. The Consultant hereby indemnifies the City for any damage resulting to it from failure of either the Consultant or any contractor or subcontractor to obtain and maintain such insurance. The Consultant shall provide the City with a certificate of insurance indicating Workers’ Compensation coverage by the Effective Date.

3. Professional Liability Insurance covering claims resulting from engineering and surveying errors and omissions with a limit of \$1,000,000 per occurrence and \$2,000,000 aggregate.

6. Termination.

Any party may terminate this Agreement at any time, with or without cause, by giving thirty (30) days' notice to the other party in writing. In the event of termination, all finished or unfinished reports, or other material prepared by the Consultant pursuant to this Agreement, shall be provided to the City. Upon termination the City shall pay Consultant for all services rendered and costs incurred up through the termination date for any satisfactory work completed on the project prior to the date of termination.

7. Relationship of Parties.

It is the intent of the parties that the Consultant shall be an independent contractor in its capacity hereunder. Nothing herein shall be construed to create an employer-employee relationship. All services performed pursuant to this Agreement shall be performed by the Consultant as an independent contractor. The Consultant shall not have the power to bind or obligate the City except as set forth in this Agreement or as otherwise approved by the City in writing.

8. Notices.

Any notice, approval or other communication between the City and the Consultant pursuant to this Agreement shall be made in writing and shall be deemed to be effective upon receipt or refusal of service and may be given by personal delivery, courier, reliable overnight delivery or deposit in the United States mail, postage prepaid, registered or certified, return receipt requested, to the address specified below or to such other address as may later be designated by written notice of the other party:

The City:

City of Riverside
Attn: Michael Duffy
Community Development Director
2950 NW Vivion Road
Riverside, Missouri 64150
mduffy@riversidemo.gov

The Consultant:

RDG Planning & Design
Attn: Amy Haase
Principal-in-Charge
1302 Howard St
Omaha, NE 68102
ahaase@rdgusa.com

Nothing contained in this section shall be construed to restrict the transmission of routine communications between representatives of the City and the Consultant.

9. Disputes.

In the event of a dispute between the City and the Consultant arising out of or related to this Agreement, the aggrieved party shall notify the other parties of the dispute within a reasonable time after such dispute arises in an effort to resolve the dispute by direct negotiation or mediation. During the pending of any dispute, the parties shall continue diligently to fulfill their respective obligations hereunder.

10. Waiver.

A waiver by any party of any breach of this Agreement by any other party shall only be in writing. Such a waiver shall not affect the waiving party's rights with respect to any other or further breach or the same kind of breach on another occasion.

11. Severability.

The invalidity, illegality, or unenforceability of any provision of this Agreement or the occurrence of any event rendering any portion or provision of this Agreement void shall in no way affect the validity or enforceability of any other portion or provision of this Agreement. Any invalid, illegal or unenforceable provision shall be deemed severed from this Agreement, and the balance of this Agreement shall be construed and enforced as if it did not contain the particular portion or provision held to be invalid, illegal or unenforceable. The parties further agree to amend this Agreement to replace any stricken provision with a valid, legal and enforceable provision that comes as close as possible to the intent of the stricken provision. The provisions of this Section shall not prevent this entire Agreement from being invalidated should a provision which is of the essence of this Agreement be determined to be invalid, illegal or unenforceable.

12. Entire Agreement; Governing Law.

This Agreement constitutes the entire and integrated agreement between the parties with respect to the subject matter hereof and supersedes all prior and contemporaneous agreements and negotiations with respect thereto. This Agreement may be amended only by a written instrument signed by all parties. This Agreement shall be governed by the laws of the State of Missouri. In the event this Agreement is litigated, venue shall be proper only in the Circuit Court of Platte County, Missouri.

13. Counterparts.

This Agreement may be executed in separate counterparts.

14. Assignment.

Neither the City nor the Consultant shall assign any rights or duties under this Agreement without the prior written consent of the other party, which consent may be granted or withheld in such other party's absolute discretion. Nothing contained in this Section shall prevent the Consultant from engaging independent consultants, associates, and subcontractors to assist in performance of the Project Services, provided however, in the event Consultant employs independent consultants, associates, and subcontractors to assist in performing the Project Services, Consultant shall be solely responsible for the negligent performance of the independent consultants, associates, and subcontractors so employed. Each party binds itself and its successors and assigns to all provisions of this Agreement.

15. No Third Party Rights.

The provisions of this Agreement shall not be deemed to create any third party benefit hereunder for any member of the public or to authorize any one, not a party hereto, to maintain suit pursuant to the terms of this Agreement.

16. Opinions of Cost.

Consultant's opinion of probable construction costs shall be made on the basis of experience and qualification as a professional planner or engineer, but Consultant does not warrant or guarantee that proposals, bids, or actual costs will not vary from Consultant's costs estimates.

17. Good Faith Efforts and Cooperation.

The parties agree to use good faith efforts in a professional manner in the performance of their services and covenants in this Agreement and to cooperate at all times and coordinate their activities as necessary during the Term of this Agreement to assist in performance of the Project Services and to ensure performance of the Project Services in an efficient and timely manner.

18. Authority.

Each party represents to the other parties that it has the power and authority to enter into this Agreement and that the person(s) executing it on its behalf has the power to do so and to bind it to the terms of this Agreement. The Consultant represents that it has taken all action necessary or appropriate to authorize it to execute, deliver and perform this Agreement and to cause it to be binding upon the Consultant.

19. Covenant Against Contingent Fees.

The Consultant warrants that the Consultant has not employed or retained any company or person, other than a bona fide employee working for the Consultant, to solicit or secure this Agreement, and that Consultant has not paid or agreed to pay any company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gifts, or any other consideration contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, the City shall have the right to annul this Agreement without liability or, at its discretion, to deduct from the contract price or consideration, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

20. Ownership of Documents.

Payment by City to Consultant as provided herein shall vest in City title to all drawings, sketches, studies, analyses, reports, models, and other paper, documents, computer files, and material produced by Consultant exclusively for the Project Services performed pursuant to this Agreement up to the time of such payments, and the right to use the same without other or further compensation, provided that any use for another purpose shall be without liability to the Consultant. Upon completion of the Project Services, Consultant shall deliver to City possession of all records pertaining to the Project Services.

21. Compliance with Laws.

Consultant shall comply with all federal, state, and local laws, ordinances, and regulations applicable to the Project Services. Consultant shall secure all licenses, permits, etc. from public and private sources necessary for the fulfillment of its obligations under this Agreement.

22. Consultant's Endorsement.

Consultant shall endorse as necessary all plans, specifications, estimates, and engineering data furnished by it.

23. Indemnification and Hold Harmless.

Consultant shall indemnify and hold harmless City and its officers, employees, elected or appointed officials, and attorneys, each in their official and individual capacities, from and against judgments, damages, losses, expenses, including reasonable attorneys' fees, to the extent caused by the negligent acts, errors, omissions, or willful misconduct of Consultant, or its employees, or subcontractors, in the performance of Consultant's duties under this Agreement, or any supplements or amendments thereto.

24. Professional Responsibility.

Consultant will exercise reasonable skill, care, and diligence in the performance of its services in accordance with customarily accepted professional engineering practices. If Consultant fails to meet the foregoing standard, Consultant will perform at its own cost, and without reimbursement from City, the professional engineering services necessary to correct errors and omissions that are caused by Consultant's failure to comply with above standard.

25. Tax Exempt.

City and its agencies are exempt from State and local sales taxes. Sites of all transactions derived from this Agreement shall be deemed to have been accomplished within the State of Missouri.

26. Safety.

In the performance of the Project Services, Consultant shall comply with the applicable provisions of the Federal Occupational Safety and Health Act, as well as any pertinent federal, state and/or local safety or environmental codes.

27. Anti-Discrimination Clause.

Consultant and its agents, employees, or subcontractors shall not in any way, directly or indirectly, discriminate against any person because of age, race, color, handicap, sex, national origin, or religious creed.

28. Force Majeure.

Neither party will be liable for inadequate performance to the extent caused by a condition (for example, natural disaster, act of terrorism, riot, labor condition) that was beyond the party's reasonable control.

IN WITNESS WHEREOF, the Consultant and the City have executed this Agreement as of the Effective Date.

(rest of page intentionally left blank)

RDG:

By: _____

Name: _____

Title: _____

Dated: _____

CITY OF RIVERSIDE, MISSOURI:

By: _____

Name: Kathleen L. Rose

Title: Mayor

Dated: _____

ATTEST: _____
Robin Kincaid, City Clerk

By: _____

Name: Brian Koral

Title: City Administrator

Dated: _____

WORK AUTHORIZATION AFFIDAVIT PURSUANT TO 285.530, RSMo

STATE OF MISSOURI)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, personally appeared _____, who, being duly sworn, states on his oath or affirmation as follows:

1. My name is _____ and I am currently the _____ of _____ (hereinafter “Contractor”), whose business address is _____, and I am authorized to make this Affidavit.
2. I am of sound mind and capable of making this Affidavit, and am personally acquainted with the facts stated herein.
3. Consultant is enrolled in and participates in a federal work authorization program with respect to the employees working in connection with the provision of Engineering Services.
4. Consultant does not knowingly employ any person who is an unauthorized alien in connection with the contracted services set forth above.

Affiant

Printed Name

Subscribed and sworn to before me this ____ day of _____, 2022.

Notary Public

EXHIBIT A
Project Services

Perform comprehensive planning services, including but not limited to:

- Participate in discussions and meetings with City Staff, Board of Aldermen and other boards or commissions;
- Perform functions that are project specific as directed by the City Administrator or his designee.

Exhibit B
Compensation Schedule

Exhibit C

Form of Task Order

**Task Order Number ____
For Comprehensive Planning Services**

This Task Order is entered into as of the **16th day of August, 2022** (the “Effective Date”), by and between _____, organized in the state of _____, having an office at _____ (the “Consultant”) and the City of Riverside, Missouri, a Missouri municipal corporation (the “City”).

WHEREAS, the City has engaged Consultant to provide comprehensive planning services pursuant to the Agreement for Planning Services dated July 19th, 2022, pursuant to which the City may task the Consultant to provide additional professional engineering services on a project-specific basis by acknowledging a separate Task Order.

NOW, THEREFORE, in consideration of the promises and mutual covenants between the parties and for other good and valuable consideration the receipt of which is acknowledged by the parties, they agree as follows:

1. **Incorporation of Base Agreement.** This Task Order is subject to all terms and conditions contained in the Agreement for Comprehensive Planning Services dated August 16th, 2022, that are not inconsistent with the specific terms contained herein, and the Agreement for Engineering Services dated August 16th, 2022, between the parties is incorporated herein as if set forth in full by this reference.
2. **Scope of Services.** The Scope of Services pursuant to this Task Order are as contained in Exhibit A.
3. **Term.** Consultant shall begin work pursuant to this Task Order upon its Effective Date, and shall [continue until otherwise completed or this Task Order is terminated] [be completed by final acceptance of the project as approved by the City].
4. **Compensation.** Unless compensation is set forth in this Task Order, compensation shall be as provided in the Agreement for Comprehensive Planning Services dated August 16th, 2022, between the parties.
5. **Project Schedule.** See task orders.

IN WITNESS WHEREOF, the Consultant and the City have executed this Agreement as of the Effective Date.

RDG:

CITY OF RIVERSIDE, MISSOURI:

By: _____

By: _____

Name: _____

Name: Kathleen L. Rose

Title: _____

Title: Mayor

Dated: _____

Dated: _____

ATTEST: _____
Robin Kincaid, City Clerk

By: _____

Name: Brian Koral

Title: City Administrator

Dated: _____

A RESOLUTION APPROVING TASK ORDER NUMBER 1 WITH RDG PLANNING & DESIGN

BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RIVERSIDE, MISSOURI AS FOLLOWS:

THAT the Riverside Board of Aldermen hereby approves Task Order Number 1 by and between the City of Riverside and RDG Planning & Design, in substantially the form attached hereto, and the Mayor is authorized to execute the Task Order Number 1 on behalf of the City; and

FURTHER THAT the Mayor, the City Administrator and other appropriate City officials are hereby authorized to take any and all actions as may be deemed necessary or convenient to carry out and comply with the intent of this Resolution and to execute and deliver for and on behalf of the City all certificates, instruments, agreements and other documents, as may be necessary or convenient to perform all matters herein authorized; and

FURTHER THAT this Resolution shall be in full force and effect from and after its passage and approval.

PASSED AND ADOPTED by the Board of Aldermen of the City of Riverside, Missouri, the 16th day of August 2022.

Mayor Kathleen L. Rose

ATTEST:

Robin Kincaid, City Clerk

**Task Order Number 1
For Comprehensive Planning Services**

This Task Order is entered into as of the 16th day of August, 2022 (the “Effective Date”), by and between RDG Planning & Design, LLC, organized in the state of Nebraska, having an office at 1302 Howard St, Omaha, NE 68102 (“RDG”) and the City of Riverside, Missouri, a Missouri municipal corporation (the “City”).

WHEREAS, the City has engaged RDG to provide comprehensive planning services pursuant to the Agreement for Comprehensive Planning Services dated August 16, 2022, pursuant to which the City may task RDG to provide additional professional planning services on a project-specific basis by acknowledging a separate Task Order.

NOW, THEREFORE, in consideration of the promises and mutual covenants between the parties and for other good and valuable consideration the receipt of which is acknowledged by the parties, they agree as follows:

- 1. Incorporation of Base Agreement.** This Task Order is subject to all terms and conditions contained in the Agreement for Comprehensive Planning Services dated August 16, 2022, that are not inconsistent with the specific terms contained herein, and the Agreement for Comprehensive Planning Services dated August 16, 2022, between the parties is incorporated herein as if set forth in full by this reference.
- 2. Scope of Services.** The Scope of Services pursuant to this Task Order are as contained in Exhibit A.
- 3. Term.** RDG shall begin work pursuant to this Task Order No. 1 upon its Effective Date and shall continue until this initial scope for the Riverside Comprehensive Plan (“Project”) is completed as evidenced by final acceptance of the Project by the City.
- 4. Compensation.** Compensation shall be in accordance with the attached schedule (see Exhibit B).
- 5. Project Completion.** The Riverside Comprehensive Plan project shall be completed no later than November 10, 2023, unless a new date is mutually agreed to by the parties.

IN WITNESS WHEREOF, RDG and the City have executed this Agreement as of the Effective Date.

RDG PLANNING & DESIGN:

CITY OF RIVERSIDE, MISSOURI:

By: _____

By: _____

Name: _____

Name: Kathleen L. Rose

Title: _____

Title: Mayor

Dated: _____

Dated: _____

ATTEST: _____
Robin Kincaid, City Clerk

By: _____

Name: Brian Koral

Title: City Administrator

Dated: _____

Exhibit A to Task Order 1

Scope of Services for

Riverside Comprehensive Plan

PROJECT DESCRIPTION

The City of Riverside, Missouri (“City”) seeks consulting services to prepare a new comprehensive plan that will guide the City for the next twenty years. While the City’s current Comprehensive Plan can serve as a resource, it is expected that the plan will provide new vision, goals, objectives, and policies to guide the city’s development and redevelopment. This plan will also provide guidance to the Board of Aldermen, various advisory boards, planning commission, staff, developers, property owners, and residents on the appropriate growth and visual character of the city.

The updated plan will integrate all aspects of urban development including demographics, land use recommendations, public facilities, transportation, environmental, and trends. A critical component of the plan will be engaging historically underrepresented populations in the planning process. The vision component will need to analyze how technology is changing land use planning. Another key component of the plan will be an analysis of the impact that disruptive technologies (remote work, ride sharing, short term residential rentals, driverless vehicles, etc.) will have on land uses in Riverside.

APPROACH

Our approach is focused on document creation through community involvement. While there are standard requirements and best practices to meet in a comprehensive plan, Riverside’s plan should focus on the city’s key challenges and its strengths.

Ultimately, the city’s comprehensive plan should be designed and drafted to provide guidance and inspire the community. Many great things set Riverside up for continued success, and these should be marketed to new and existing residents. To achieve this our approach is broken down into three core elements:

- Where are we now?
- Where do we want to go?
- How do we get there?

We propose confirming the detailed work program at the start to meet milestones, create expectations, and advance the project on time.

TASK 1: PUBLIC ENGAGEMENT & AWARENESS CAMPAIGN

Our overriding approach with any planning process is listening: Listening to the desires of residents and making those come to life in a plan residents can own. But we also understand that change is sometimes hard for long-time residents. Therefore, we need to listen to their priorities and then project those into a plan that inspires both them and the next generation. Our team is familiar with engaging the public during COVID-19 and are prepared to work within your City's social distancing requirements and preferences.

PUBLIC ENGAGEMENT PLAN

Our Team will develop a Public Engagement Plan with City staff and our graphics design team at the start of the process. The comprehensive plan should be an integrated process to avoid stakeholder fatigue and capture the widest audience. This will directly feed into the implementation of the plan. Our team will tailor engagement to meet identified goals for the comprehensive plan and include both on-site and online opportunities, using hybrid approaches as necessary to adapt to fluctuating public health situations. The process should include a spectrum of tools discussed on the next pages.

PROJECT MANAGEMENT & STEERING COMMITTEE

The day-to-day work of the plan will be completed in close partnership with the City with the understanding that staff has limited capacity. We see the need for bi-weekly meetings with City staff at the beginning of the process, transitioning to an as-needed basis. The coordination meetings with staff (held by video conference) allow the team to plan upcoming events, ensure data collection, review meeting output, and develop content.

The Steering Committee should bring a broad representation to the planning process and include representation from the Board of Aldermen, the Planning Commission, advisory bodies and economic development along with major employers, human service providers, and even youth. The Steering Committee will meet several times to provide direction, course correction, and review deliverables. The meeting schedule is set at the beginning of the process to establish involvement expectations and allow members to plan schedules accordingly.

AWARENESS CAMPAIGN

Awareness of the process is continual and ensures new audiences are welcomed and engaged at any point. To do this, the campaign will include many online elements that share information and interact with residents. These include:

- Project Branding and Marketing. The project needs a recognizable identity that is reinforced throughout the entire process. PowerPoints, posters, a website, and the publication need to share the brand.

- **Project Website.** Our Team will develop a project website to post updates. This will be through Social Pinpoint which allows us to tailor engagement and branding to Riverside. Social Pinpoint includes a traditional landing page and interactive opportunities such as surveys, forums, maps, idea walls, and spending privatizations. Its fun design attracts people to engage and provide meaningful input and feedback
- **Social Media.** The Team will work with the City to schedule and coordinate announcements for social media platforms.
- **Print Material.** Added to this will be traditional print media and promotional materials. This includes fliers, posters, and content for newsletters. Using an established project brand, our Team will design, develop, and produce these materials.

Working with the City, we will also help provide content for local newspapers, TV interviews, or other more traditional methods of informing people about the project.

THE PUBLIC ENGAGEMENT ELEMENTS

Our public engagement process is an iterative process that builds on each event to expand understanding, set goals, establish a vision, and create momentum for implementation. These events will be a mix of online and in-person. The following is a description of these events in the order in which they will occur.

- **Survey + Interactive Mapping.** The planning process begins with the development of an online survey or report card. It will explore in further detail the issues and opportunities most important to residents and will be the first soft engagement with the plan. The survey can be completed in partnership with ETC if desired.
- **Neighborhood Outreach Events.** The Neighborhood Outreach Events offers residents the first larger-scale opportunity to learn more about the importance of the plan and to share insights on the city's opportunities and challenges. We will participate in one event per neighborhood (total of 10) to ask them to talk about their goals and aspirations. The results will be posted on the project website to generate further conversation. Additional Neighborhood Outreach Events may be scheduled for an additional fee.
- **Committee Visioning Studio.** Using the information collected from the survey, listening sessions, and community roundtable our Team will work with the committee to identify the goals and priorities that will come to life in the plan elements. This will be a fun and engaging event that will help build excitement for implementation.
- **Committee Land Use Studio.** The first workshop/studio will be conducted with the Steering Committee. During this event, we guide the Committee in developing scenarios for the city's future growth and transportation

alternatives. This provides us with an excellent foundation of understanding for the proceeding community workshop.

- **Community Workshop.** Our Team will advance the ideas heard and developed in the Committee Studio to present future land use and transportation alternatives to the public. This is a chance for the public to develop the concepts for further refinement.
- **Plan Elements Polling.** Following the workshops, the plan elements will be developed and presented to staff and Committee over a series of meetings. All comments from the Committee will be collected for vetting and sharing with the Team. Following review, specific policies and action items will be identified and presented to the public online for feedback.
- **Implementation Workshop.** We will host a workshop with the Committee to review the land use plan, key concepts, and recommendations before the formal approval process begins. The workshop will have an educational and input component.
- **Open House - Celebration.** With a draft comprehensive plan complete, a series of open houses will be held to share results. The open house should be an event that allows people to learn more about the plan, have time with their neighbors, and celebrate the next steps. This means a part of the open house will relate to implementation. Adjustments to the plan will be made based on discussions with the Committee after the open house.
- **Board & Planning Commission Briefings and Approval.** With the comprehensive plan process, meetings are built in to provide updates to the Board and Commission members and joint meetings where necessary. RDG will present the final plan to the Planning Commission and Board of Aldermen, as well as other boards or organizations as determined and fitting within the project schedule.
- **Pop-up Events.** Even with a number of planned online and in-person events, often the best approach is to go to people where they are. We want to attend already occurring community events either hosted by the City or other community organizations.

TASK 2: RIVERSIDE TODAY - WHERE ARE WE NOW?

This component of the plan identifies existing facts and trends for understanding.

BACKGROUND DOCUMENT REVIEW

We will review current planning documents identified on the City website and others made aware to us by City staff. Taking advantage of previous efforts informs our process and provides research and material to make us more efficient.

ECONOMIC & DEMOGRAPHIC TRENDS

Understanding the population, demographic, and economic factors in a city is essential to understanding where we are going.

Data will be gathered, assembled, and shared in easily communicated ways, including infographics and maps to identify neighborhood trends and opportunities. 2020 Census data will be used along with other sources we access such as BLS, ESRI, and MLS. We strongly believe all planning should be based on market realities, thus we are keen on developing plans that are both visionary and realistic.

LAND USE INVENTORY & URBAN DESIGN

We will complete a land use inventory using existing assessor data and on-site verification for a closer analysis of land uses. This task includes fieldwork by bike and on foot to inventory the city's character, appearance, and identity.

HAZARD MITIGATION & ENVIRONMENTAL CONSTRAINTS

Just as the plan must be based in market reality, it must also recognize the environmental constraints and assets of natural resources. The data we collect will inform an environmental constraints and hazard mitigation map.

- Topography/Slopes
- Wetlands Inventory
- Drainage System and Structures
- Flooding Boundaries and Flood Problem Areas

TRANSPORTATION

This element will assemble information to understand opportunities and issues facing Riverside's future.

1. Review traffic volumes per existing data.
2. Define and map existing street system and proposed changes (GIS).
3. Review bike and pedestrian network.
4. Identify opportunities to support energy conservation and sustainable growth.
5. Identify problem areas, including safety hazards and obstacles to transportation.

PUBLIC FACILITIES & INFRASTRUCTURE

Community services and infrastructure both form and adapt to land use directions and policy. Facility managers will be interviewed to reveal current deficiencies (real and perceived) and the ability to meet future growth. Our Team will also review and analyze existing infrastructure conditions and provide recommendations on improvements needed to continue to support future growth.

Deliverables

- Riverside Today draft report, with opportunities analysis

- ArcGIS files of existing inventory

City Responsibilities

- Data related to building permits, recent subdivision applications, or other growth-related information
- Copies of past studies not listed on public websites
- Provide existing mapping data and aerials (GIS)
- Review draft and provide feedback

TASK 3: RIVERSIDE TOMORROW - Vision & Future Land Use

The Land Use Concept process uses the data collected in the Riverside Today tasks to determine land use potential and repositioning by type of residential, commercial, industrial, and public land and transportation improvements and alternatives. This includes forecast demand for retail, office, industrial, and residential uses in the city.

Combined with the input of residents regarding community issues and quality of life, a unified Land Use Concept for the city is developed through the workshop process outlined in the Public Engagement Elements.

Deliverables

- Concepts plans and graphics with supportive narrative
- Future Land Use/Transportation Concept
- Any determined Special Area Concepts for development and redevelopment

City Responsibilities

- Review of materials with comments

TASK 4: RIVERSIDE TOMORROW – Plan Elements

The plan elements translate to policies that will implement the community vision and achieve the preferred development concept. The goals and principles define the program and design of the city; the specific plan elements are the systems that help the design come to life.

LAND USE

The land use plan refines the Future Land Use and Transportation Plan. The plan includes:

- Policy Areas. This analysis examines planning and land use issues within the established city and growth areas. These policy areas will offer a big-picture

perspective with the goal of balancing neighborhoods and providing quality living environments across the city.

- Future Land Use Map. The future land use plan will indicate the city-wide plan and identify any specific area plans necessary for deployment of residential, commercial, additional industrial/employment, and mixed-use space.

TRANSPORTATION ELEMENT

We view this as a key formative system that will address the street network and alternative modes, including pedestrian, bicycle, and transit. This will include:

- Improvements to the existing street system, included recent complete street recommendations.
- Proposed additions to the street system in the City Development Framework that provides continuous access to future residential and commercial areas. The plan will identify missing links within the system and corridors for alternative forms of transportation.
- Standards and concepts for the design of high-quality streets that serve as public spaces that unite the city.
- Policies and infrastructure to enhance pedestrian and bicycle travel options. This includes emerging technologies such as autonomous vehicles and drone technology.

PARKS, TRAILS, NATURAL AREAS, & GREENWAYS

We will identify any gaps in the system as related to future growth areas and corridors that can connect destinations around the city. Our Team takes a deep dive into your Parks, Recreation, and Open Space offerings, which entails analyzing:

- Distribution of public space
- Accessibility, connectivity, and walking distance
- Acreage and miles of trail
- Regional connections
- Recreational trends
- Land use patterns
- Benchmarking comparisons
- Community character

In addition to the above, we will perform a SWOT analysis of your system to help identify areas of opportunity that could both maximize and enhance your existing park system by incorporating greenways, creative placemaking, green infrastructure, recreational amenities, public gathering places, or community assets.

Based on our findings, and the input we receive from the public in the community-wide survey, social pinpoint, listening sessions, and in-person engagement, our Team will work with you to create goals, objectives and policies for Parks, Recreation, and Open Space that will help guide improvements for next 20 years.

COMMUNITY FACILITIES & PUBLIC INFRASTRUCTURE

The analysis includes a review of public property and infrastructure by interviewing City staff to define facility adequacy, ability to provide service into the future, and rehabilitation needs. The element builds out a feasible network to service new growth areas.

HOUSING, NEIGHBORHOODS, & COMMUNITY DEVELOPMENT

For many communities, the housing issue has reached a point of crisis. Having adequate housing for current and future residents at all stages of life is essential for maintaining the current population and for growing. The housing element will be paired with the city's land use strategy to identify housing strategies. We will:

- Review recent and current housing activity.
- Assess neighborhood conditions, including a general review of neighborhood conditions based on perceptions of housing conditions, site maintenance issues, streets, sidewalks, infrastructure, physical design, and appearance.
- Determine needs to achieve overall housing objectives and needs by type and cost.
- Create a tailored housing and neighborhood implementation program for Riverside, addressing such issues as available sites, mix of housing types, and neighborhood rehabilitation needs.

COMMUNITY CHARACTER & DESIGN

The urban design element is closely related to the other elements. The policies and actions recommended related to urban design will be driven by public input and should speak to the residents' desires. Understanding the local community and incorporating its input is essential to this process. While there are many national trends around community design, these need to be tested and viewed in the city's values.

Deliverables

- Plan elements and maps, narrative, and illustrations communicating the plan's vision

City Responsibilities

- Review of material with comments

TASK 5: IMPLEMENTATION

The implementation strategy begins with the Implementation Workshop outlined in Task 1. During the workshop, the Team works with participants to establish criteria for

determining the priority of proposed projects. These criteria will be matched with the vision established in the engagement process to recommend phasing.

PLAN REVIEW AND UPDATE

Milestones will be identified to track implementation and indicators to track changes that may warrant modifying the implementation schedule. These milestones and indicators will be established during the Implementation Workshop. Milestones need to be realistic. As such, the implementation section will focus on best leveraging resources to maximize results.

REGULATORY REVIEW

We will review current policies and ordinances for consistency with the draft plan, noting any conflicts that could be reconciled and refining definitions to better address current city needs.

IMPLEMENTATION TABLE

The Riverside Plan will include an implementation plan presenting the recommendations, sequencing, leaders, partners, and potential funding sources for capital items. Capital items will be presented in zero-to-5-year, 5-to-10-year, and 10-to-20-year increments.

Deliverables

- Draft Comprehensive Plan
- Digital version of presentations and print posters from events

City Responsibilities

- Review of materials with comments
- Help prepare for Open House events

TASK 6: PUBLICATION

We believe a plan must be attractive and user-friendly to be implemented to its full potential.

PUBLICATION AND FILES

The plan will be user-friendly and graphic-focused, with maps, graphs, photos, and renderings used to illustrate the main points.

- An executive summary, written for a general audience, will be provided with the document.
- A hard copy and PDF of the plan and coordination for reproduction of the plan at a local printer. If preferred, the plan can be published to an online viewing platform, such as www.issue.com. We have also done executive summary type

publication in ESRI Story Maps like the Kansas Statewide Housing Needs Assessment.

- GIS and other map files and data used in the plan in ArcGIS and Adobe (if applicable).

Renderings and graphics in high-resolution.

Exhibit B to Task Order 1
Fee Proposal for
Riverside Comprehensive Plan

FEE SCHEDULE

Task 1: Public Engagement & Awareness Campaign
\$88,000

Task 2: Riverside Today – Where Are We Now?
\$25,000

Task 3: Riverside Tomorrow – Vision & Future Land Use
\$39,000

Task 4: Riverside Tomorrow – Plan Elements
\$40,000

Task 5: Implementation
\$13,000

Task 6 Publication
\$15,000

Expenses billed at cost, not to exceed \$5,000

TOTAL:
\$225,000



City of Riverside, MO Liquor License Application

I hereby make application to sell beverages for one of the following types of licenses as a solo owner____, a partnership____, a corporation____, LLC X .

- Not-For-Profit (Temporary)
- Social Hall License
- All Inclusive License (Except Sunday)
- Package Liquor License
- Packing Liquor License (Sunday)
- Beer License
- Sunday Sales License
- Wholesale and Distributor's License
- Tasting
- Resort License

Applicant Information

Name: Phillip Newman (The Tree Hugger Truck LLC)

Address: 7601 E. 75th Street Kansas City, MO 64138/1841 NW Vivion Rd. Riverside, MO 64150

Phone Number: 816-786-3532

[Redacted]

If naturalized, give date and place of naturalization: _____

Partnership Name: _____ Corporation Name: _____

Please Answer the Following Questions.

1. Have you ever been convicted of a felony? If so, please explain.
No. _____
2. Give the names and business addresses of all employers for the past five years. If you were self-employed, state the nature of the business and location.
Cafe Trio - 4558 Main St. Kansas City, MO 64111
Andres - 5018 Main St. Kansas City, MO 64112
D'Bronx - 3904 Bell St. Kansas City, MO 64111
Tomato Pie - 2457 Hyperion Ave. Los Angeles, CA 91030

3. Have you ever been the holder of any liquor permit to manufacture or sell alcoholic beverages which was revoked? If so, please explain.
No. _____

4. Are you, or any member of your household or immediate family, interested directly or indirectly in any other permit issued by the city liquor commission which is now in force? If so, please give details.
No. _____

5. Is the proposed location within 300 feet of a church? No. _____
6. What type of business is the permit to be used for? Restaurant _____
7. Do you rent or lease the premises for which this business is to be used?
Lease _____
8. Will you at all times permit the entry of any officer or investigator who may have legal supervisory authority for the purpose of inspection or search; and will you permit the removal of all things and articles which may be in violation of the ordinances of Riverside, Missouri, and the laws of the State of Missouri; and do you consent to the introduction of evidence of such articles in any proceedings for the violation of any provision of the revised liquor control ordinance of Riverside, Missouri, and/or for the suspension or revocation of the permit which this application is made; and do you promise and agree no to violate any of the ordinances of Riverside, Missouri, the laws of the State of Missouri or the United States in the conduct of the business for which this permit is sought? Yes. _____
9. Attach a complete description of the plans, specifications and fixtures in the applicant's proposed place of business. (This subparagraph is applicable only to a new location or change in plans or specifications within a previously established location.) If application is also for a Sunday Sales License then affix a certification by a certified public accountant showing that at least 50% of the gross income of the restaurant-bar was derived from the sale of prepared meals and food consumed on the premises in conformity with the Department of Liquor Control, State of Missouri, regulation 70-2.120 (9), issued 1978

If the Business is Owned by a Corporation, Complete this Section

Name of Corporation: _____

State in which incorporated: _____ Date incorporated: _____

Amount of paid-in capital: _____ Authorized Capital: _____

Name of managing agent for corporation: _____

Residence Address: _____

Phone Number: _____

Names and Addresses of all stockholders who hold 10% or more of capital

Names and Addresses of President, Vice President, Secretary and Treasurer of the Corporation:

President: _____

Vice President: _____

Secretary: _____

Treasurer: _____

1. Is the corporation or any stockholder of the managing officer thereof, any member of his household or immediate family interested directly in any other permit issued by the city liquor commission? If so, please give details.

2. Has the corporation or any stockholder or the managing officer thereof, any member of his household or immediate family, at any time in the past held a permit issued by the city liquor commission? If so, give the name and location of such permits.

3. Has any stockholder of the corporation or the managing officer ever been employed by any person, partnership or corporation that had a permit revoked or suspended by the city liquor commission? If so, please explain

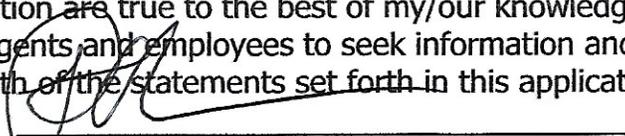
4. State the name and residence of each person, firm or corporation, if other than the corporation and its stockholders, interested or to become interested, directly or indirectly, other than hereinafter set out, in the business for which a permit is sought and the nature of such interest.

5. Is this application being made by the corporation as a subterfuge to any person other than yourself to obtain a permit from the city liquor commission, in your name for his benefit? _____

6. Attach a complete description of the plans, specifications and fixtures in the applicant's proposed place of business. (This subparagraph is applicable only to a new location or change in plans or specifications within a previously established location.) If application is also for a Sunday Sales License then affix a certification from a certified public accountant showing that at least 50% of the gross income of the restaurant-bar was derived from the sale of prepared meals and food consumed on the premises in conformity with the Department of Liquor Control, State of Missouri, Regulation 70-2.120 (9), issued 1978.

I, or we, (Please Print) Phillip Newman

being of lawful age and duly sworn upon my/our oath do swear that the answers and information given in this application are true to the best of my/our knowledge and belief. I authorize the City, its agents and employees to seek information and conduct an investigation into the truth of the statements set forth in this application.



Signature

Phillip Newman

Print Name

STATE OF MISSOURI)

COUNTY OF _____) SS.

Subscribed and sworn before me this _____ day of _____, _____.

Notary Public

My Commission Expires: _____

Riverside Public Works

Reporting Dates July 2022

Cost Summary By Task

Task	Activities	Labor Hours	Labor Cost	Eqp Cost	Mat Cost	Con Cost	Overhead	Total Cost
Animal Pickup/Cleanup Road Kill	1	2.00	\$38.75	\$50.00	\$0.00	\$0.00	\$0.00	\$88.75
Banner Installation or removal	1	1.00	\$19.38	\$25.00	\$0.00	\$0.00	\$0.00	\$44.38
Building Maintenance	13	29.50	\$551.09	\$985.00	\$0.00	\$0.00	\$0.00	\$1,536.09
Comp Time Leave	2	12.00	\$227.84	\$0.00	\$0.00	\$0.00	\$0.00	\$227.84
Director Duties	4	31.00	\$1,605.80	\$0.00	\$0.00	\$0.00	\$0.00	\$1,605.80
Electrical	1	4.00	\$79.28	\$100.00	\$0.00	\$0.00	\$0.00	\$179.28
Elevator maint/contractor	1	2.00	\$39.64	\$50.00	\$0.00	\$0.00	\$0.00	\$89.64
Equip Maint	8	33.00	\$556.65	\$2,550.00	\$0.00	\$0.00	\$0.00	\$3,106.65
Flag raising and lowering	4	4.00	\$79.28	\$100.00	\$0.00	\$0.00	\$0.00	\$179.28
Grounds Maint.	7	30.00	\$353.16	\$808.00	\$0.00	\$0.00	\$0.00	\$1,161.16
HVAC in house maintenance	1	8.00	\$76.00	\$200.00	\$0.00	\$0.00	\$0.00	\$276.00
Irrigation check and fix	4	11.00	\$179.32	\$350.00	\$0.00	\$0.00	\$0.00	\$529.32
Litter Control	1	4.00	\$79.28	\$100.00	\$0.00	\$0.00	\$0.00	\$179.28
Meeting	5	6.50	\$336.70	\$140.00	\$0.00	\$0.00	\$0.00	\$476.70
Misc Maint	3	8.50	\$107.73	\$222.50	\$0.00	\$0.00	\$0.00	\$330.23
Mowing	122	376.50	\$5,616.16	\$32,459.00	\$0.00	\$0.00	\$0.00	\$38,075.16
Office Public Works	35	276.00	\$10,060.23	\$0.00	\$0.00	\$0.00	\$0.00	\$10,060.23
Parks - Noel Projects	3	11.00	\$138.58	\$275.00	\$0.00	\$0.00	\$0.00	\$413.58
Parks Grounds Maint	3	3.50	\$69.20	\$125.00	\$0.00	\$0.00	\$0.00	\$194.20
Parts Run	11	16.50	\$313.36	\$500.00	\$0.00	\$0.00	\$0.00	\$813.36
Playground Maintenance/Inspection	1	2.00	\$40.32	\$100.00	\$0.00	\$0.00	\$0.00	\$140.32
Pool Maintenance	20	31.50	\$679.53	\$962.50	\$0.00	\$0.00	\$0.00	\$1,642.03
Shop Maint	5	16.50	\$232.52	\$0.00	\$0.00	\$0.00	\$0.00	\$232.52
Sick	10	53.00	\$860.17	\$0.00	\$0.00	\$0.00	\$0.00	\$860.17
Special Event	2	18.00	\$335.22	\$370.00	\$0.00	\$0.00	\$0.00	\$705.22
Stock Supplies for Custodians	4	6.00	\$99.40	\$175.00	\$0.00	\$0.00	\$0.00	\$274.40
Traffic counters	1	1.00	\$19.82	\$25.00	\$0.00	\$0.00	\$0.00	\$44.82
Trail Counts	1	2.00	\$39.64	\$50.00	\$0.00	\$0.00	\$0.00	\$89.64
Trash Pick Up	21	74.50	\$999.69	\$2,400.00	\$0.00	\$0.00	\$0.00	\$3,399.69
Trash Route Inspection	1	1.00	\$51.80	\$20.00	\$0.00	\$0.00	\$0.00	\$71.80
Tree Trimming	1	6.00	\$118.92	\$150.00	\$0.00	\$0.00	\$0.00	\$268.92
Vacation	11	88.00	\$1,676.64	\$0.00	\$0.00	\$0.00	\$0.00	\$1,676.64
Water feature maint	13	28.00	\$552.92	\$953.00	\$0.00	\$0.00	\$0.00	\$1,505.92
Weed Spraying	4	44.00	\$812.32	\$520.00	\$0.00	\$0.00	\$0.00	\$1,332.32
Tasks:	34	325	1,241.50	\$44,765.00	\$0.00	\$0.00	\$0.00	\$71,811.32
			\$27,046.32		\$0.00		\$0.00	



ACTIVITY REPORT

July 2022



82

EMS INCIDENT CALLS

7

FIRE CALLS

14

ACCIDENT CALLS

43

OTHER CALLS

11%

OVERLAPPING CALLS

3

MUTUAL AID RECEIVED

1

MUTUAL AID GIVEN

91

AMBULANCE TRANSPORTS

4:55

AVG. RESPONSE TIME (MIN)

1:45

AVG. TURNOUT TIME (MIN)

411

TRAINING HOURS COMPLETED

9

PUBLIC RELATIONS

13

INSPECTIONS COMPLETED



ACTIVITY REPORT:

JULY 2022



405

COMMUNITY-GENERATED
CALLS FOR SERVICE

568

SELF-INITIATED CALLS
FOR SERVICE

442

911 CALLS TAKEN



14

CRIMINAL CITATIONS
ISSUED

191

REPORTS TAKEN

60

ARRESTS MADE



24

MOTOR VEHICLE
CRASHES

162

TRAFFIC CITATIONS
ISSUED

8

Driving While
Intoxicated

2022 Riverside Police Department Activity Report												
PATROL		Reported Part I Crimes	Reported Part II Crimes	Traffic Citations Issued	DUI Arrests	All Other Citations Issued	All Other Arrests Made	Calls For Service	Self Initiated Activities	Reports Written	POP Activities	
	January	25	52	88	2	27	62	290	485	179	2	
	February	22	44	94	4	19	50	302	499	217	2	
	March	21	46	86	0	16	53	341	516	230	2	
	April	14	54	84	6	16	49	329	442	230	3	
	May	25	46	129	2	21	34	390	484	195	2	
	June	13	52	185	2	28	60	445	703	188	3	
	July	22	49	162	8	14	60	405	568	191	2	
	August											
	September											
	October											
	November											
	December											
	Year Total	142	343	828	24	141	368	2,502	3,697	1,430	16	
K-9		Searches Conducted		Searches with Positive Results			Mutual Aid	Self Initiated Activities	Calls for Service	Arrests Made	Training Hours	
		Schools	Other	Drugs	People	Other						
	January											
	February										16	
	March										160	
	April										160	
	May										160	
	June			2							136	
	July	0	3	2	0	0	0	33	80	0	32	
	August											
	September											
	October											
	November											
	December											
	Year Total	0	3	4	0	0	0	33	80	0	664	
CRIMINAL INVESTIGATION UNIT		Cases Received	Cases Assigned	Charges Filed		Cases Closed	Cases Submitted to Prosecutor	Charges Declined	Cases Exceptionally Cleared	Reports Written		
				State	Municipal							
	January	10	10	5	2	4	11	0	1	36		
	February	16	16	12	0	20	9	2	2	77		
	March	27	27	7	1	18	18	1	2	89		
	April	14	14	5	0	10	8	0	1	56		
	May	20	20	3	1	21	8	0	1	56		
	June	14	14	2	0	10	4	1	2	42		
	July	26	26	4	1	10	11	2	4	60		
	August											
	September											
	October											
	November											
	December											
	Year Total	127	127	38	5	93	69	6	13	416		
SCHOOL RESOURCE OFFICER		Arrests	Reports Written	Classes Taught	External Community Relations Activities	POP Activities						
	January	0	19	1	0	0						
	February	1	24	2	0	0						
	March	0	21	4	0	1						
	April	0	27	0	0	0						
	May	0	11	0	0	1						
	June	NA	NA	NA	NA	NA						
	July	NA	NA	NA	NA	NA						
	August											
	September											
	October											
	November											
	December											
	Year Total	1	102	7	0	2						
Communications Unit		Admin Telephone Calls Answered	911 Telephone Calls Answered	Warrants Validated	CRNs Issued	Criminal History Checks (REJIS, Mules)	Reports Processed	Background Checks Completed		Walk-In Reports Written	Missing Property Validations	
											Autos	Others
	January	2,043	388	311	232	40,936	5438	0		0	2	76
	February	2,262	393	155	217	40,166	5738	0		0	5	180
	March	2,163	445	208	246	37,421	4932	0		0	0	74
	April	2,022	399	130	249	32,593	5348	0		0	2	71
	May	1,625	324	238	189	38,532	6122	0		0	2	76
	June	2,288	441	150	223	50,296	4,328	0		0	2	80
	July	1,787	442	285	240	50,480	4,483	0		0	0	76
	August											
	September											
	October											
	November											
	December											
	Year Total	14190	2832	1477	1596	290424	36389	0		0	13	633



Upstream from ordinary.

**2950 NW Vivion Road
Riverside, Missouri 64150**

MEMO DATE: August 12, 2022
AGENDA DATE: August 16, 2022
TO: Mayor and Board of Aldermen
FROM: Mike Duffy
RE: Community Development Department Activity July 2022

CODES: Violations Observed: 27
Violations Resolved: 26
Notices Sent: 20
Signs Removed: 15
Citations Issued: 0

PERMITS: Building Commercial-2
Building Residential-1
Electrical-2
Fence-1
Right-of-Way-3
Total-9

Animal Control: Animal Complaints: 37
Self-Initiated Calls: 28
Animals Returned to Owner: 4
Impounded Domestic Animals: 3
Impounded Wild Animals: 2
Verbal Warnings: 6
Uniform Citations: 1

P&Z ACTIVITY: None