



Upstream from ordinary.

BOARD OF ALDERMEN MEETING

RIVERSIDE CITY HALL

2950 NW VIVION ROAD

RIVERSIDE, MISSOURI 64150

TENTATIVE AGENDA

MARCH 1, 2016

Closed Session – 6:15 p.m.

Regular Meeting - 7:00 p.m.

Call to Order

Roll Call

CLOSED SESSION

(6:15 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(12) Sealed bids and related documents, until the bids are opened; and sealed proposals and related documents or any documents related to a negotiated contract until a contract is executed, or all proposals are rejected

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 February 11, 2016.

Approval of minutes for February 13, 2016.

Approval of minutes for February 16, 2016.


R-2016-006: A RESOLUTION AUTHORIZING THE EXPENDITURE OF FUNDS OUT OF THE CITY TREASURY OF THE CITY OF RIVERSIDE FOR FISCAL YEAR 2015-2016 WEEK ENDING FEBRUARY 19TH AND FEBRUARY 26TH IN THE AMOUNT OF \$56,286.52. Point of Contact: Finance Director Donna Oliver.

R-2016-007: A RESOLUTION EXTENDING THE CITY MOWING AND GROUNDS KEEPING CONTRACT AND AGREEMENT FOR 2016 BETWEEN THE CITY AND EMBASSY LANDSCAPE GROUP IN AN AMOUNT NOT TO EXCEED \$52,980.00. Point of Contact: Public Works Director Tom Wooddell.

REGULAR AGENDA

1. **R-2016-005: A RESOLUTION APPROVING SPECIFICATIONS FOR THE 2016 STREET MAINTENANCE PROJECT.** Point of Contact: City Engineer Travis Hoover.
2. **Communication from City Administrator**
 - a. DC Trip
 - b. April 5th Meeting
 - c. City Provided ChargePoints
 - a) **Department Reports**
 - i. Community Development
 - ii. Engineering
 - iii. Finance
 - iv. Public Safety
 - v. Public Works
 - vi. Levee Board Report
3. **Communication from Mayor**
4. **Communication from Board of Aldermen**
5. **Motion to Adjourn**

ATTEST


Robin Kincaid, City Clerk

Posted 02.26.16 at 3:00 p.m.


Gregory P. Mills, City Administrator

MINUTES
SPECIAL MEETING
BOARD OF ALDERMEN
RIVERSIDE, MISSOURI

Thursday, February 11, 2016
5:30 P.M.

The Board of Aldermen for the City of Riverside, Missouri, met in special session in the Board of Aldermen Chambers at City Hall, 2950 NW Vivion Road, Riverside, Missouri, on Thursday, February 11, 2016.

Mayor Kathy Rose called the meeting to order at 5:30 p.m. Those in attendance were Mayor Kathy Rose, Alderman Art Homer, Ron Super, Chet Pruett, Frank Biondo, Aaron Thatcher, and Al Bowman.

Also present were City Administrator Greg Mills, City Clerk Robin Kincaid, Community Development Director Mike Duffy, and Special Counsel Joe Bednar (by phone).

MOTION TO ENTER INTO CLOSED @ 5:30 P.M. Alderman Homer moved that the meeting go into closed session pursuant to RSMo 610.021 (1) Legal Action and litigation, second by Alderman Biondo.
Yes: Homer, Biondo, Bowman, Thatcher, Pruett, and Super.
Motion carried 6-0.

MOTION TO ADJOURN CLOSED @ 5:51 P.M. Alderman Biondo moved at 5:51 p.m. to adjourn closed session with no action taken, second by Alderman Thatcher.
Yes: Biondo, Thatcher, Pruett, Super, Homer, and Bowman.
Motion carried 6-0.

MOTION LEGAL FEES Alderman Thatcher moved to increase legal fees to no more than \$65,000 for work on the Missouri American Water Rate Case, second by Alderman Biondo.
Yes: Thatcher, Biondo, Super, Bowman, Pruett, and Homer.
Motion carried 6-0.

MOTION REVIEW COMMITTEE APPOINTMENT Alderman Biondo moved to recommend Alderman Thatcher, Alderman Super, Mayor Rose, City Administrator Greg Mills, and Community Development Director Mike Duffy to the Review Committee for the review of the proposals received for development west of Horizons Parkway, second by Alderman Bowman.
Yes: Biondo, Bowman, Pruett, Homer,
No: none
ABSTAIN: Thatcher and Super.
Motion carried 4-0-2.

TOWN HALL MEETING Mayor Kathy Rose welcomed those present and opened the Town Hall meeting. She explained the purpose of this evenings meeting is to hear from residents in our city and in our water district to

discuss issued with quality of water and damage that has occurred. We will provide testimony to the Public Service Commission as well as our concern with the redistricting. We have a court reporter in the next room that will be taking testimony to the water issues that will be compiled with our other information and presented to the Public Service Commission.

Nathan Cretsinger – 4435 Sienna Ridge - asked questions regarding details of information provided to the residents. He also stated his disapproval of the surcharge with no cap.

Ray Uhl - 4524 NW Apache Dr. – Discussed water pressure concerns.

Mary Churchill - 4542 Verona Dr. – Stated that her initial concern was deposit issues for Montebella residents, which in turn affects water pressure. Appliances, faucet, icemaker and other things have been replaced at least one time. Every week repairs are needed. DNR is coming to do a water quality check their home. Filtration systems were discussed as well. There is a concern with the safety of the water, not just the residents, but since it is supplied to our school and Argosy. Redistricting raises many concerns.

Tyson Bundee – 4514 Verona Dr. – Stated that in 2008 things seemed great but pressure is noticeably lower now, which is a product of the sediment. Also could the sediment affect the billing.

Jason Strohm – Thousand Oaks, Parkville – Reported his ongoing issues since 2011 with calcium and sediment. It has blocked his faucets, ruined toilets, and dishwasher failed, to name a few things. Everything packs with scale causing insufficient water pressure, this is a weekly task. Missouri American Water has been to his house and put installed special in-line filters. DNR and MAW have been to him home this week for testing. He showed the Board photos. He has kept extensive documentation and has filed a formal protest. I will provide you with any information necessary.

Mayor John Smedley – 7210 NW Prairie View, Platte Woods- Suggested that high winter rates may be caused by reading with snow on the ground. Platte Woods investigated in 2014 and found this substantial difference. He shared issues with MAW on repair work and timing of the repair work, causing higher costs. Their delay in repairs causes more road repair costs. He also reported that there is a subdivision that is outside of Parkville within the county that have had several issues, which may be able to gather information that would be helpful to this case.

The Board questions why this seems to be an isolated issue in specific service areas and not system wide. Further discussion was held by the Board and staff. Surcharge issue is a concern to us as well.

MOTION TO ADJOURN

Alderman Bowman moved to adjourn the meeting at 6:56 p.m., second by Alderman Biondo.
Yes: Bowman, Biondo, Homer, Pruet, Super and Thatcher.
Motions carried 6-0.

Robin Kincaid, City Clerk

MINUTES
SPECIAL WORKSHOP
BOARD OF ALDERMEN
RIVERSIDE, MISSOURI

Saturday, February 13, 2016
8:00 a.m.

The Board of Aldermen for the City of Riverside, Missouri, met in special session in the Board of Aldermen Chambers at City Hall, 2950 NW Vivion Road, Riverside, Missouri, on Saturday, February 13, 2016.

Mayor Rose called the meeting to order at 8:10 a.m. Those in attendance were Mayor Kathy Rose, Aldermen Art Homer, Frank Biondo, Al Bowman, Chet Pruett, Aaron Thatcher, and Ron Super. Candidate David Hurt was also in attendance.

Also present were City Administrator Greg Mills, City Clerk Robin Kincaid, Community Development Director Mike Duffy, Public Works Director Tom Wooddell, City Engineer Travis Hoover, Finance Director Donna Oliver, Major Chris Skinrod, Fire Chief Gordy Fowlston, and Executive Assistant Stacey Rasco.

WORKSHOP @ 8:10 A.M.

City Administrator Greg Mills explained that we have started off the budget season the past few years with a Saturday morning workshop and that Donna will be presenting preliminary numbers today for the 2016-2017.

Finance Director Donna Oliver reviewed a PowerPoint presentation and Statement of Revenues and Expenses as of January 31, 2016 with the Board.

Consensus of the Board is to move forward on the Vivion Road Trail to acquire Right-of-Way easements in the 2016-2017 budget and constructing the trail in early 2017-2018 budget year.

Board consensus is to stick with a six (6) month reserve and depending on the outcome of the restructuring of the bonds, the extra will be added to the reserve to make a (7) or (8) month reserve.

MOTION TO ADJOURN

Alderman Biondo moved to adjourn the meeting at 9:32 a.m., second by Alderman Super.

Yes: Biondo, Super, Bowman, Thatcher, Homer, and Pruett.
Motion carried 6-0.

Robin Kincaid, City Clerk

MINUTES
REGULAR MEETING
BOARD OF ALDERMEN
RIVERSIDE, MISSOURI
Tuesday, February 16, 2016
6:45 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, February 16, 2016.

Mayor Rose called the regular meeting to order at 6:45 p.m. Those in attendance were Mayor Kathy Rose, Aldermen Ron Super, Art Homer, Frank Biondo, Aaron Thatcher, Chet Pruett, and Al Bowman.

Also present were City Administrator Greg Mills, City Clerk Robin Kincaid, Community Development Director Mike Duffy, Public Works Director Tom Wooddell, and City Engineer Travis Hoover. Also present were City Attorney Paul Campo and Special Counsel Joe Bednar.

MOTION TO ENTER INTO CLOSED @ 6:45 P.M. Alderman Homer moved that the meeting go into closed session pursuant to RSMo 610.021 (1) Legal Action and litigation, and RSMo 610.021 (2) Leasing, Purchase or sale of real estate, second by Alderman Biondo.
Yes: Homer, Biondo, Bowman, Pruett, Super, and Thatcher.
Motion carried 6-0.

MOTION TO ADJOURN CLOSED @ 6:59 P.M. Alderman Biondo moved at 6:59 p.m. to adjourn closed session with action taken, second by Alderman Thatcher.
Yes: Biondo, Thatcher, Super, Homer, Pruett, and Bowman.
Motion carried 6-0.

REGULAR SESSION Mayor Rose called the Regular Session Meeting to order at 7:00 p.m.

Those in attendance were Mayor Kathy Rose, Aldermen Art Homer, Frank Biondo, Al Bowman, Aaron Thatcher, Chet Pruett, and Ron Super.

Also present were City Administrator Greg Mills, City Clerk Robin Kincaid, Community Development Director Mike Duffy, Public Works Director Tom Wooddell, Fire Chief Gordon Fowlston, City Engineer Travis Hoover, Major Chris Skinrod, and Finance Director Donna Oliver. Also attending was City Attorney Paul Campo.

PLEDGE OF ALLEGIANCE Mayor Rose led the Pledge of Allegiance.

PUBLIC COMMENT None.

PROCLAMATION Mayor Rose read the Proclamation for the Shen Yun Performing Arts, April 1, 2, & 3, 2016 and presented it to Barbara Gay, a volunteer for the Falun Dafa Association of Kansas City, MO.

CONSENT AGENDA Alderman Biondo moved to approve the consent agenda as amended by correcting the spelling of Jerry Pietsch in the February 2nd Workshop Meeting minutes, second by Alderman Thatcher.
Yes: Biondo, Thatcher, Bowman, Homer, Pruett, and Super.
Motion carried 6-0.

MINUTES OF 02-01-16 Alderman Biondo moved to approve the minutes of the February 1, 2016 meeting, second by Alderman Thatcher.
Yes: Biondo, Thatcher, Bowman, Homer, Pruett, and Super.
Motion carried 6-0.

MINUTES OF 02-02-16 Alderman Biondo moved to approve the minutes of the February 2, 2016 meeting, second by Alderman Thatcher.
Yes: Biondo, Thatcher, Bowman, Homer, Pruett, and Super.
Motion carried 6-0.

COURT REPORT Alderman Biondo moved to approve the January 2016 Court Report, second by Alderman Thatcher.
Yes: Biondo, Thatcher, Bowman, Homer, Pruett, and Super.
Motion carried 6-0.

RESOLUTION 2016-004 Alderman Biondo moved to approve Resolution 2016-004
Bill Pay authorizing the expenditure of funds for fiscal year 2015-2016, for weeks ending February 5th and February 12th in the amount of \$385,937.74, second by Alderman Thatcher.
Yes: Biondo, Thatcher, Bowman, Homer, Pruett, and Super.
Motion carried 6-0.

REGULAR AGENDA

BILL NO. 2016-013 City Clerk Robin Kincaid gave first reading of Bill No. 2016-013.
Final Plat Paulhe Homestead Community Development Director Mike Duffy explained the purpose of this bill.
Alderman Thatcher moved to accept first reading and place Bill No. 2016-013 on second and final reading, second by Alderman Bowman.
Yes: Thatcher, Bowman, Super, Biondo, Homer, and Pruett.
Motion carried 6-0.
Alderman Pruett moved to approve Bill 2016-013 and enact said bill as ordinance, second by Alderman Biondo.
Yes: Pruett, Biondo, Homer, Super, Thatcher, and Bowman.
Motion carried 6-0.

BILL NO. 2016-014
Biking Trail Easement Agmnt

City Clerk Robin Kincaid gave first reading of Bill No. 2016-014. City Development Director Mike Duffy stated that this is an agreement authorizing the Mayor to sign the easement and we will provide trail maintenance to this portion of the trail within the city of Riverside.

Alderman Thatcher moved to accept first reading and place Bill No. 2016-014 on second and final reading, second by Alderman Biondo.

Yes: Thatcher, Biondo, Super, Bowman, Homer, and Pruett.
Motion carried 6-0.

Alderman Pruett moved to approve Bill 2016-014 and enact said bill as ordinance, second by Alderman Bowman.

Yes: Pruett, Bowman, Homer, Biondo, Thatcher, and Super.
Motion carried 6-0.

BILL NO. 2016-015
Houston Excavating Agmnt

City Clerk Robin Kincaid gave first reading of Bill No. 2016-015. City Engineer Travis Hoover reminded the Board that this the bill discussed at the previous meeting regarding fill dirt for Horizons.

Alderman Thatcher moved to accept first reading and place Bill No. 2016-015 on second and final reading, second by Alderman Biondo.

Yes: Thatcher, Biondo, Bowman, Pruett, Super, and Homer.
Motion carried 6-0.

Alderman Biondo moved to approve Bill 2016-015 and enact said bill as ordinance, second by Alderman Pruett.

Yes: Biondo, Pruett, Homer, Thatcher, Super, and Bowman.
Motion carried 6-0.

BILL NO. 2016-016
Amend City Code

City Clerk Robin Kincaid gave first reading of Bill No. 2016-016. City Attorney Paul Campo explained that these changes are the 2015 legislative changes.

Alderman Thatcher moved to accept first reading and place Bill No. 2016-016 on second and final reading, second by Alderman Biondo.

Yes: Thatcher, Biondo, Pruett, Bowman, Homer, and Super.
Motion carried 6-0.

Alderman Homer moved to approve Bill 2016-016 and enact said bill as ordinance, second by Alderman Biondo.

Yes: Homer, Biondo, Super, Bowman, Pruett, and Thatcher.
Motion carried 6-0.

RESOLUTION 2016-005
2016 Street Maintenance

City Administrator Greg Mills stated that Resolution 2016-005 will be pulled from the agenda and presented at the next regular meeting.

CITY ADMINISTRATOR City Administrator Greg Mills announced that the city had spent approximately \$1,400 from street maintenance to install a crosswalk at Northwood Road for the safety of the children walking to Park Hill South High School. Dr. Dale Longenecker had mentioned this concern and is very pleased that the city had worked diligently to respond to the concern and safety of our children.

COMMUNITY DEVELOPMENT Community Development Director Mike Duffy had handouts for each Board member to review. First, a memo to MARC explaining the projects proposed for funding in their 2019-2020 fiscal year and our next step is to approach MoDot for their funding and oversight. Following discussion Alderman Thatcher moved to authorize staff to pursue MARC funding for 2019-2020 fiscal years with the recommended conditions as stated in the memo and progress towards improving the cost benefit ratio, second by Alderman Biondo.
Yes: Thatcher, Biondo, Pruett, Homer, Super, and Bowman.
Motion carried 6-0.
Duffy also explained the letter that was provided as a Letter of Support for the City of Parkville Grant Application for Route 9 that will be sent to assist Parkville, as they have done for us in the past, per the Board's motion approving this action. Alderman Thatcher moved to send letter of support for the City of Parkville to use in their grant application for Route 9, second by Alderman Homer.
Yes: Thatcher, Homer, Super, Biondo, Bowman, and Pruett.
Motion carried 6-0.
Duffy then discussed the third memo in the packet detailing pervious conversations and explanation of the sidewalk code.

ENGINEERING Nothing to report.

FINANCE Nothing to report.

PUBLIC SAFETY Nothing to report.

PUBLIC WORKS Nothing to report.

LEVEE BOARD Alderman Super commented there was communication from the Corp of Engineers stating they have \$1 million for repair to Q1. An annual inspection rating had been received from the Corp of Engineers and it was an acceptable rating.

MAYOR'S DISCUSSION Mayor Rose commented that 2016 has turned into an exciting year: RFPs will be evaluated; we have more new homes being built in the area, discussions of downtown redevelopment and a possible CID. It behooves all the Board to stay focused, I understand in the past we have had some people forget some things that have recently been said. It is important for us to try and remember what is said, what happens, and what goes on.

We have other things going on with sunshine requests, criticisms and distractions and as we all know, the decision and the choices that we make sometimes, we can't please everyone. As I have heard in the past, we continue to do things in the best interest of the city. With that said, with the workshops and town halls that we have had just recently, which have been a lot, I have failed to hear from the Board, the information that was necessary for those workshops and town halls. We had a budget meeting on Saturday and we had no on show up for that meeting. It was a very open discussion about the million dollars of budget that we will be preparing and I needed input from all of you. We had the workshop on the bond refinancing and the workshop on the health insurance and again, it was done in a very spiteful way and I did not appreciate it at all, it was very self-serving. But as we move forward, if we could be focused and have open communication and not the "back door" politics at its best, we will all be in a better position.

BOARD OF ALDERMEN

Alderman Super – Nothing to report.

Alderman Thatcher – Nothing to report.

Alderman Biondo – Asked if there was any report from staff on the donation boxes around the city. Community Development Director Mike Duffy gave report on review to this point. Property owners are being contacted to see if they are aware of the boxes on their property. One has been removed from the carwash lot. We currently have six in the community. We are continuing to look at our options and will report back to the Board.

Alderman Bowman – Nothing to report.

Alderman Pruett – Nothing to report.

Alderman Homer – Perhaps in the future we will have a little bit more open discussion and won't have to be making accusations about people being at fault for not remembering what has been said. That is all I have to say.

MOTION TO ADJOURN

Alderman Biondo moved to adjourn the meeting at 7:35 p.m., second by Alderman Thatcher.

Yes: Biondo, Bowman, Thatcher, Super, Homer, and Pruett.
Motions carried 6-0.

Robin Kincaid, City Clerk

RESOLUTION NO. R - 2016-006

A RESOLUTION AUTHORIZING THE EXPENDITURE OF FUNDS OUT OF THE CITY TREASURY OF THE CITY OF RIVERSIDE FOR FISCAL YEAR 2015-2016 WEEK ENDING FEBRUARY 19TH AND FEBRUARY 26TH IN THE AMOUNT OF \$56,286.52.

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 \$56,286.52 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 1st day of March, 2016.

Mayor Kathleen L. Rose

ATTEST:

Robin Kincaid, City Clerk



Expense Approval Report

By Fund

Payment Dates 02/17/2016 - 02/17/2016

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Fund: 10 - GENERAL FUND					
YMCA OF GREATER KANSAS C	02/01/16A	02/17/2016	REIMB CITY'S SHARE/MEMBE	10-115-000-21301	1,021.50
YMCA OF GREATER KANSAS C	02/01/16A	02/17/2016	REIMB CITY'S SHARE/MEMBE	10-341-000-22800	16,793.25
YMCA OF GREATER KANSAS C	02/01/16B	02/17/2016	RIVERSIDE SUPPORT FEE	10-341-000-22800	2,900.00
PENN, NANCY	02/16/16	02/17/2016	REIMB SECURITY DEPOSIT	10-20010	50.00
SCHMIDT, EDWARD E	02/29/16	02/17/2016	BAND/SENIOR DANCE	10-341-100-44522	180.00
Fund 10 - GENERAL FUND Total:					20,944.75
Grand Total:					20,944.75



Expense Approval Report

By Fund

Payment Dates 02/24/2016 - 02/24/2016

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Fund: 10 - GENERAL FUND					
SAM'S CLUB DIRECT	008193	02/24/2016	OFFICE SUPPLIES	10-224-000-50500	131.62
TIME WARNER	101773501 02/16	02/24/2016	CABLE SERVICE	10-224-000-25600	123.69
SAM'S CLUB DIRECT	007893	02/24/2016	SUPPLIES	10-112-000-53900	472.58
MISSOURI GAS ENERGY	0627451111 02/16	02/24/2016	2990 NW VIVION RD	10-337-103-25200	545.18
AFLAC	094145	02/24/2016	EMPLOYEE PREMIUMS	10-20008	90.40
MISSOURI GAS ENERGY	3730422222 02/16	02/24/2016	4200 NW RIVERSIDE DR	10-337-101-25200	282.55
MISSOURI GAS ENERGY	4413651111 02/16	02/24/2016	4498 NW HIGH DR	10-337-104-25200	930.67
SAM'S CLUB DIRECT	001537	02/24/2016	SUPPLIES	10-221-000-44512	147.67
JENNIFER ENNA	02/18/16	02/24/2016	REIMB CITY'S SHARE/GYM ME	10-115-000-21301	64.85
KCPL SERVICE PMTS	3823-35-2154 02/16	02/24/2016	2025 VALLEY	10-336-112-25000	832.23
DONNA OLIVER	02/19/16	02/24/2016	REIMB CITY'S SHARE/GYM ME	10-115-000-21301	121.55
ICMA-RC VANTAGEPOINT	41126061	02/24/2016	EMPLOYEE W/H 02/19 PAYRO	10-20006	900.68
ICMA-RC VANTAGEPOINT	41126078	02/24/2016	EMPLOYEE W/H 02/19 PAYRO	10-20006	125.00
SAM'S CLUB DIRECT	087539	02/24/2016	CREDIT FOR DUPLICATE PAYM	10-341-100-44522	-122.26
CELLCO PARTNERSHIP	9760037956	02/24/2016	DATA CARDS	10-224-000-27200	80.02
DONNA OLIVER	08/10/15	02/24/2016	REIMB CITY'S SHARE/GYM ME	10-115-000-21301	68.89
Fund 10 - GENERAL FUND Total:					4,795.32
Grand Total:					4,795.32



Expense Approval Report

By Fund

Payment Dates 03/01/2016 - 03/01/2016

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Fund: 10 - GENERAL FUND					
LOOMIS	11760877	02/01/2016	COURIER SERVICE	10-112-000-43800	76.55
ACCELA, INC	1637	03/01/2016	PUBLICSTUFF PRO/3 OF 3 AN	10-112-000-40900	6,100.00
P1 GROUP, INC	KC72844	03/01/2016	UNIT IN FIRE BAY	10-337-103-41500	762.25
NORTHLAND REGIONAL AMB	1548304066	03/01/2016	PATIENT TRANSPORT ACCT #1	10-216-000-43600	650.00
TIME WARNER - PUBLIC WOR	040803901 02/16	03/01/2016	CABLE SERVICE	10-331-000-25600	507.47
JOHNSON, SHANE	100	03/01/2016	SHELF BRACKETS AND UPRIG	10-337-106-41500	400.00
COMMENCO, INC	430618	03/01/2016	REPR VOLUME CONTROL	10-221-000-40000	14.00
LITTLER MENDELSON, P.C.	4408126	03/01/2016	LEGAL SERVICES	10-226-000-20300	264.00
JOHNSON BUSINESS CARDS	889	03/01/2016	BUSINESS CARDS/SHELTON, F	10-224-000-32000	180.00
KCATA	IT 919	03/01/2016	CONTRACT AGREEMENT/201	10-112-000-22300	1,213.00
MAIL WORKS	22507	03/01/2016	NEWSLETTER	10-112-000-32001	48.96
MAIL WORKS	22507	03/01/2016	NEWSLETTER	10-112-000-51500	767.04
ENET, LLC	4506	03/01/2016	SERVICE/SUPPORT	10-112-000-40500	374.00
ENET, LLC	4507	03/01/2016	SERVICE/SUPPORT	10-216-000-40500	110.50
ENET, LLC	4508	03/01/2016	SERVICE/SUPPORT	10-331-000-40500	127.50
ENET, LLC	4520	03/01/2016	SERVICE/SUPPORT	10-341-000-40500	42.50
MR MAT	521200	03/01/2016	ENTRY MATS	10-337-102-41500	29.59
MR MAT	521201	03/01/2016	ENTRY MATS	10-337-101-41500	24.52
MR MAT	521202	03/01/2016	SWIPE TOWELS, DUST MOPS,	10-337-104-41500	39.13
MR MAT	521203	03/01/2016	ENTRY MATS	10-337-103-41500	30.43
LOGO U UP, LLC	2773	03/01/2016	SAFETY VESTS	10-819-000-56000	50.00
ATLAS GLASS & DOOR, INC	7890	03/01/2016	METAL DOOR REPR	10-337-102-41500	392.00
PATEK & ASSOCIATES LLC	3407	03/01/2016	CONSULTING SERVICE - MARC	10-112-000-21300	3,500.00
GARY D CRAWFORD	02/22/16.	03/01/2016	CUT TREES & LIMBS/MO RIVE	10-336-000-42000	1,650.00
GARY D CRAWFORD	02/22/16	03/01/2016	CUT TREES AND LIMBS/EH YO	10-336-107-42100	2,200.00
GARY D CRAWFORD	02/22/2016	03/01/2016	CUT TREES & LIMBS/RENNER	10-336-108-42100	2,200.00
PLATTE CO. BD. OF ELECT.	02/24/16	03/01/2016	CITY'S SHARE/GEN MUN ELEC	10-112-000-43200	672.78
MR MAT	521450	03/01/2016	ENTRY MATS	10-337-101-41500	24.52
MR MAT	521451	03/01/2016	ENTRY MATS	10-337-103-41500	30.43
MR MAT	521452	03/01/2016	ENTRY MATS	10-337-102-41500	29.59
KC WEB	170248	03/01/2016	INTERNET SERVICE	10-112-000-27000	200.00
ENET, LLC	4467	03/01/2016	SERVICE/SUPPORT	10-216-000-40500	42.50
ENET, LLC	4469	03/01/2016	SERVICE/SUPPORT	10-112-000-40500	884.00
DAMON PURSELL	193787	03/01/2016	YARD WASTE DISPOSAL	10-331-000-21304	870.00
KEY EQUIPMENT & SUPPLY C	245527	03/01/2016	SWEEPER REPAIR/TILT HARNE	10-331-000-40000	250.84
ALL COPY PRODUCTS, INC	AR1758111	03/01/2016	COPIER USAGE	10-112-000-32300	217.96
SERVICEMASTER RESTORATIO	29081.01	03/01/2016	CLEAN 2 FABRIC LOVE SEATS	10-221-000-40000	190.16
SERVICEMASTER RESTORATIO	29081.02	03/01/2016	CLEAN JAIL	10-337-103-44200	351.23
Fund 10 - GENERAL FUND Total:					25,517.45
Fund: 13 - TOURISM TAX FUND					
PARK HILL SCHOOL DISTRICT	02/23/16	03/01/2016	NORTHLAND ETHNIC FESTIVA	13-112-000-21602	2,000.00
Fund 13 - TOURISM TAX FUND Total:					2,000.00
Fund: 21 - CAPITAL IMPROVEMENTS FUND					
K & G STRIPING, INC.	160005-1	03/01/2016	GREEN U-CHANNELS FOR EXIS	21-025-000-53000	315.00
K & G STRIPING, INC.	160005-2	03/01/2016	SIGNS 41ST ST TO 43RD & HEL	21-025-000-53000	1,375.00
K & G STRIPING, INC.	160005-3	03/01/2016	SIGNS/MATTOX RD, HALF BAN	21-025-000-53000	1,339.00
Fund 21 - CAPITAL IMPROVEMENTS FUND Total:					3,029.00
Grand Total:					30,546.45

RESOLUTION NO. R-2016-007

A RESOLUTION EXTENDING THE CITY MOWING AND GROUNDS KEEPING CONTRACT AND AGREEMENT FOR 2016 BETWEEN THE CITY AND EMBASSY LANDSCAPE GROUP IN AN AMOUNT NOT TO EXCEED \$52,980.00

WHEREAS, pursuant to Resolution R-2015-009 (attached hereto as Exhibit A), the City approved a contract with Embassy Landscape Group for mowing and grounds keeping in an amount not to exceed \$45,614.00 for the City of Riverside; and

WHEREAS, pursuant to Resolution R-2015-020 (attached hereto as Exhibit A), the City authorized through Change Order No. 1 to the agreement for addition mowing and grounds keeping services in an amount not to exceed \$6,327.00; and

WHEREAS, such contract agreement provides for the ability to extend such contract for three (3) additional one (1) year periods, and upon both parties agreement, an annual 2% increase may be applied for fuel costs; and

WHEREAS, the Board of Aldermen find it is in the best interest of the City to extend such contract agreement for 2016 as set forth herein, authorizing and approving the extension of the contract with Embassy Landscape Group in an amount not to exceed \$52,980.00 for the mowing and landscaping project;

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

THAT the contract between the City and Embassy Landscape Group for the mowing and grounds keeping of the City grounds dated March 3, 2015 and the Change Order No. 1 dated May 5, 2015 are hereby extended for 2016 at a revised annual amount not to exceed \$52,980.00 is hereby accepted and approved; and

FURTHER THAT the Board of Aldermen hereby approves the renewal agreement, attached hereto in its substantial form, and authorizes the Mayor to sign on behalf of the City; and

FURTHER THAT the Mayor, City Administrator and other appropriate City officials are hereby authorized to execute all documents necessary to carry out the terms and conditions to comply with the intent of this Resolution and the City Clerk is authorized to attest thereto.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Riverside, Missouri, the ____ day of March, 2016.

Mayor Kathleen L. Rose

ATTEST:

City Clerk

AGREEMENT BETWEEN CITY OF RIVERSIDE AND CONTRACTOR

THIS AGREEMENT is made and entered into this ____ day of _____, _____, by and between the City of Riverside, Missouri, ("City") and Embassy Landscape Group ("Contractor").

City and Contractor agree as follows:

1. Contractor shall provide and pay for all labor, services, materials, supplies, tools, equipment, supervision, management, and anything else necessary to accomplish the results and objectives described in Exhibit A (Scope of Work) to this Agreement (the "Work") in compliance with all provisions of this Agreement.

2. Contractor shall start all the Work not later than; April 1, 2016
Contractor shall complete all the work not later than; December 15, 2016

3. Provided Contractor performs all the Work in accordance with this Agreement and complies with all obligations of Contractor under this Agreement, City shall pay Contractor monthly. This amount includes all costs of mowing project services performed for the month. Contractor shall submit a detailed invoice describing services performed at each area prior to receiving payment.

4. Subject to budget appropriations, the contract term may be extended from the awarded Date two additional one year periods upon the same terms contained in the original contract provided the parties mutually agree to such extension(s), furthermore upon parties agreement, a 2% increase can be applied for fuel costs. If extended for 2017 and 2018, the City of Riverside may adjust starting and completion dates and add additional or decrease mowing, as it deems necessary.

5. Contractor shall comply with all federal, state, local, and other governmental laws, ordinances, rules, regulations, orders, and the like applicable to the Work. Contractor shall secure all permits from public and private sources necessary for performance of the Work.

6. 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 injury, damage, or loss to (a) employees and other persons at the site of the Work or who may be affected by the Work, (b) material and equipment stored at on-site or off-site locations for use in performance of the Work, and (c) other property at the 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 performance of the Work. Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations, orders, and the like bearing on safety of persons or property or their protection from injury, damage, or loss.

7. 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. Contractor shall at all times during performance of the Work keep the site of the Work and all adjacent areas 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 equipment, tools, machinery, waste, and surplus material. Contractor shall make provisions to minimize and confine dust and debris resulting from performance of the Work.

8. Only material and equipment that are to be used directly in the Work shall be brought to and stored at the site of the Work. After equipment is no longer required for the Work, it shall be promptly removed from the site of the Work. Protection of material and equipment from weather, theft, and all other casualty or damage is solely the responsibility of Contractor.

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

1. COMMERCIAL GENERAL LIABILITY – Contractor shall provide coverage for Contractor, City, its employees, officers, and agents, and any architects, engineers, or other design professionals engaged by or on behalf of City, against claims for damage to property and/or injury to, or death of any person or persons related to or arising out of the Work. Such coverage shall have not less than the following limits:

- | | |
|---|----------------|
| (1) Each Occurrence | \$1,000,000.00 |
| (2) General aggregate | \$2,000,000.00 |
| (3) Products/completed operations aggregate | \$2,000,000.00 |
| (4) The following coverage shall be included: | |
| • Blanket contractual liability | |
| • Products/completed operations | |
| • Personal/advertising injury | |
| • Broad form property damage | |
| • Independent contractors | |
| • Explosion, Collapse, and Underground Damage | |

2. AUTOMOBILE LIABILITY – Contractor shall provide coverage for Contractor, City, its employees, officers, and agents, and any architects, engineers, or other design professionals engaged by or on behalf of City, against claims for bodily injury and/or property damage arising out of the ownership or use of any owned, hired, and/or non-owned vehicle and shall include protection for any auto, or all owned autos, hired autos, and non-owned autos. The coverage shall have not less than a combined single limit of \$1,000,000.00 for each accident.

3. WORKERS’ COMPENSATION AND EMPLOYER’S LIABILITY – This insurance shall protect the Contractor against all claims under applicable state workers’ compensation laws. The Contractor also shall be protected through employer’s liability coverage against claims for injury, disease, or death of employees which, for any reason, may not fall within the provisions of a workers’ compensation law. The limits shall not be less than the following:

- | | |
|---------------------------|-----------|
| (1) Workers’ Compensation | Statutory |
|---------------------------|-----------|

- (2) Employer's Liability:
 - Bodily injury by accident
\$1,000,000.00
 - Bodily injury by disease
\$500,000.00 each employee

B. 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 "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, collapse, and damage resulting from defective design, workmanship, or material. This insurance shall, without limitation, insure portions of the Work stored on or off the site of the Work 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 B, except such rights as they may have to the proceeds of the insurance.

C. All insurance shall be written by an insurer or insurers acceptable to City. 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 shall provide contractual liability coverage for all indemnity obligations of Contractor under this Agreement. Each policy providing general liability or automobile liability coverage shall, in form satisfactory to City, (a) 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 (b) provide that it is primary to any other insurance maintained by any additional insured, which other insurance shall be excess or contingent. Contractor shall furnish City a certificate or certificates satisfactory to City evidencing that Contractor has all the required insurance and expressly providing no less than seven days prior written notice to City in the event of cancellation, expiration, nonrenewal, alteration, or reduction (including but not limited to reduction by paid claims) of coverage or limits evidenced by the certificate. The certificate or certificates shall be delivered to City not less than 24 hours before Contractor performs any of the Work.

10. 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 attorneys' fees, arising out of or resulting from the performance of the Work, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease, or death or to injury to or destruction of tangible property, but only to the extent caused or allegedly caused by the negligent 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 described in this paragraph 10. In claims against any person or entity indemnified under this paragraph 10 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 under this paragraph 10 shall not be limited by a limitation on amount or type

of damages, compensation, or benefits payable by or for Contractor or a subcontractor or supplier under workers' compensation acts, disability benefits acts, or other employee benefit acts..

11. 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 this Agreement, nor shall it create any obligation from City to any assignee, subcontractor, or vendor.

CONTRACT NO. RSMP2016

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the date first above written.

CITY OF RIVERSIDE

By: _____

Mayor

ATTESTED:

CITY CLERK

[CONTRACTOR]

By: _____

(Signature)

Printed Name: _____

Title: _____

EXHIBIT A

R-2015-009 and R-2015-020

RESOLUTION NO. R-2015-009

A RESOLUTION AUTHORIZING AND AWARDING THE CITY MOWING AND GROUNDS KEEPING CONTRACT FOR 2015 TO EMBASSY LANDSCAPE GROUP IN AN AMOUNT NOT TO EXCEED \$45,614.00

WHEREAS, the City of Riverside, Missouri issued an invitation to bid to contractors for mowing and grounds keeping for the City of Riverside; and

WHEREAS, one written bid was received from vendors for the mowing and grounds keeping project; and

WHEREAS, the purchasing policy adopted by the City provides for award of a bid to the lowest responsible bidder with due consideration given to the quality of previous performance of the contractor as well as the quality of service and product for this particular use required; and

WHEREAS, following an investigation of services and references, staff has recommended award of the bid to the Embassy Landscape Group as the lowest responsible bidder; and

WHEREAS, the Board of Aldermen find it is in the best interest of the City to authorize and approve the bid with Embassy Landscape Group in an amount not to exceed \$45,614.00 for the mowing and landscaping project.

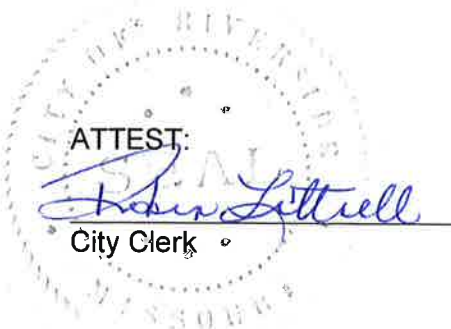

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF RIVERSIDE, MISSOURI, AS FOLLOWS:

THAT the bid of Embassy Landscape Group for the mowing and grounds keeping of the City grounds in an amount not to exceed \$45,614.00 is hereby accepted and approved; and

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

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Riverside, Missouri, the 3rd day of March, 2015.


Mayor Kathleen L. Rose


ATTEST:

City Clerk



6105 NW River Park Dr.
Riverside, Missouri 64150
Ph: 816-436-4194

2015 Grounds Maintenance Agreement

Billing Information

To: City of Riverside, Missouri
Address: 2950 NW Vivion Rd
Riverside, MO 64150

Project Information

Property: City of Riverside, Missouri
Address: 2950 NW Vivion Rd
Riverside, MO 64150

TERMS: Beginning: **January 1, 2015**

Ending: **December 31, 2015**

Base Contract Amount: **\$45,614.00**

Monthly Irrigation Repair Allotment: \$ _____

Billing Per Occurrence: Initial _____

Options: Monthly: No. of Months 12 X \$3,801.17 per month

Agent of: Embassy Landscape Group, Inc.

By Jeff Gilsinn

Title Account Executive

Signature _____

Date 1/21/2015

Agent of: City of Riverside, Missouri

By Tom Wooddell

Printed Client Name

Title Public Works Director

Signature _____

Date 3-3-2015



Date: January 21, 2015

Embassy Rep. Jeff Gilsinn

Client: City of Riverside, Missouri

Grounds Maintenance (Attachment A) - City of Riverside, Missouri

Description of Services	Frequency	Cost per Occ.	Annual Cost
Turf Maintenance			
Spring Cleanup (leaves)	1	\$1,241.00	\$1,241.00
Mow High Profile Turf	30	\$900.00	\$27,000.00
Fall Cleanup (leaves)	1	\$1,373.00	\$1,373.00
Chemicals Program			
Turf Application Rd #1	1	\$1,516.00	\$1,516.00
Turf Application Rd #2	1	\$2,087.00	\$2,087.00
Turf Application Rd #3 w/ Grub	1	\$1,693.00	\$1,693.00
Turf Application Rd #4	1	\$1,840.00	\$1,840.00
Turf Application Rd #6	1	\$1,427.00	\$1,427.00
Tree and Shrub Application Rd #2	1	\$452.00	\$452.00
Tree and Shrub Application Rd #3	1	\$452.00	\$452.00
Pre-emergent application in Beds	2	\$1,014.00	\$2,028.00
Detail Services			
Shrub Pruning - Spring	1	\$545.00	\$545.00
Shrub Pruning - Summer	1	\$545.00	\$545.00
Perennial Maintenance (Spring cutback)	1	\$546.00	\$546.00
Perennial Maintenance (Seasonal deadheading)	1	\$542.00	\$542.00
Bed Maintenance (weeds)	15	\$155.00	\$2,327.00
Optional Services			
Annual Maintenance Price			\$45,614.00

Client Signature

Embassy Representative Signature

By signing you are agreeing to the attached "Terms and Conditions" as they are written and approve Embassy to perform the estimated duties/tasks for the price quoted above.

RESOLUTION NO. R-2015-020

A RESOLUTION AUTHORIZING A CHANGE ORDER TO THE CITY MOWING AND GROUNDS KEEPING CONTRACT WITH EMBASSY LANDSCAPE GROUP IN AN AMOUNT NOT TO EXCEED \$6,327.00

WHEREAS, the City of Riverside, Missouri awarded a contract to Embassy Landscape Group in an amount not to exceed \$45,614.00 for mowing and grounds keeping for the City of Riverside; and

WHEREAS, the City now desires to add additional mowing and grounds keeping services; and

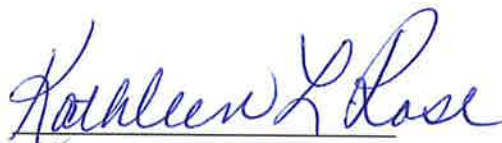
WHEREAS, the Board of Aldermen find it is in the best interest of the City to authorize a change order in an amount not to exceed \$6,327.00.

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

THAT the change order of Embassy Landscape Group for additional mowing and grounds keeping of the City grounds, a copy of which is attached hereto and incorporated herein, in an amount not to exceed \$6,327.00 is hereby accepted and approved; and

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

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Riverside, Missouri, the 5th day of May, 2015.


Mayor Kathleen L. Rose


ATTEST:

City Clerk



Date: 4/21/2015

Embassy Rep. Jeff Gilsinn

Client Tom Wooddell

6105 NW River Park Dr. Riverside, Missouri 64150
 Phone: 816-436-4194 Fax: 816-436-0685

2015 Grounds Maintenance Agreement

Billing Information	Project Information
To: City of Riverside	Property: City of Riverside - Horizons
Address: 2950 NW Vivion Rd. Riverside, MO 64150	Address:
TERMS: Beginning: <u>January 1, 2015</u>	Ending: <u>December 31, 2015</u>
Base Contract Amount <u>\$4,900.00</u>	
Billing Options: Per Occurrence Initial	
Monthly	No. of Months <u>8</u> X <u>\$612.50</u> per month

INTENT OF AGREEMENT

It is our intent that the property's landscape has the best possible appearance. We have set as our standard of comparison to all the top maintained properties in the Kansas City area.

The physical health of the landscape is to be maintained at the highest standards. It is understood that time is required to achieve the this. A reasonable time should be allotted to reach the standard. It is absolutely essential that all aspects of our lawn management program be completed in order to achieve the highest level of excellence requested by the property owners.

Standards • Maintain contact with Management Company or Owner to receive comments, feedback, and supervision. Be available for discussion and suggestions on landscaper's performance. • Provide technical and professional advice to the property on any existing or potential landscaping problems. • Perform all its services in such a manner to provide minimum inconvenience to staff and customers on property. • Observe working hours that will not begin before 7:00am or end after 7:00pm. • Provide adequate supervision of landscaper's employees while on property to insure complete and satisfactory performance.

Landscaper will take care so as not to damage or injure any plant, shrub, or flowers with string trimmer (weed eater), lawn mower, or other equipment or chemicals; and to be responsible for replacement of any shrub, plant, or flower damaged by landscaper. Landscaper will take precautions to prevent grass from being thrown into air-conditioning units, condensing units, on patios, in ponds, vehicles and other public areas.

Landscaper will provide liability insurance certificate upon request.

Property Owner shall pay the Landscaper promptly for prior month's work not to exceed 30 days from the date of invoice. Either Party may elect to terminate or alter this contract with (30) days written notice, for any reason. Upon termination the Property owner is responsible for payment of all services rendered prior to the termination date. If a monthly payment plan is in place, the landscaper shall provide an accounting of services and materials provided and will refund any sums that were paid in advance for services not performed. Should any legal action be necessary the prevailing party shall be entitled to recover all legal and court costs.

Labor Surcharge - Embassy operates in compliance with the Federally mandated labor rates for it Guest worker program. Embassy reserves the right to pass on any rate increases should the government increase them during the terms of this contract.

Severability - Should any part of this contract be illegal or unenforceable, the rest of the contract shall remain in force.

ACCEPTANCE OF AGREEMENT:

The prices, specifications, and conditions are satisfactory and are hereby accepted; Embassy Landscape Group, Inc. is authorized to do the above maintenance work as specified in the Attachment B. Payment will be made according to terms outlined above.

By: <u>Tom Wooddell</u> Printed Client Name	Signature: <u>[Signature]</u>
Title: <u>Public Works Director</u>	Date: <u>5-5-15</u>
Agent of: <u>City of Riverside</u>	
By: <u>JEFF GILSINN</u> Printed Representative Name	Signature: <u>[Signature]</u>
Title: <u>ACCOUNT MANAGER</u>	Date: <u>5-5-15</u>
Agent of: Embassy Landscape Group Inc.	



6105 NW River Park Dr. Riverside, Missouri 64150
 Phone: 816-436-4194 Fax: 816-436-0685

Date: 4/21/2015
 Embassy Rep. Jeff Gilsinn
 Client Tom Wooddell

2015 Grounds Maintenance (Attachment B)

City of Riverside - Horizons

Category	Description of Services	Frequency.	Cost Per Occurrence	Annual Cost
Turf	Spring Cleanup	0	\$ -	\$ -
	Mow/Trim/Edge/ Blow - High Profile Turf	28	\$ 175.00	\$ 4,900.00
	Mow/Trim/ Blow - Semi Improved Turf	0	\$ -	\$ -
	Fall Cleanup	0	\$ -	\$ -
Horticultural Services	Turf Round #1 (Fertilizer & Preemergence)	0	\$ -	\$ -
	Turf Round #2 (Fertilizer and Herbicide)	1	\$ 427.00	\$ -
	Turf Round #3 (Fertilizer and Herbicide)	0	\$ -	\$ -
	Turf Round #3 (Grub Control & Fertilizer)	1	\$ 330.00	\$ -
	Turf Round #4 (Fertilizer & Herbicide)	1	\$ 421.00	\$ -
	Turf Round #5 (Fertilizer & Herbicide)	0	\$ -	\$ -
	Turf Round #6 - Winterizer (Turf-Late Fall)	1	\$ 279.00	\$ -
	Tree and Shrub Round #1	0	\$ -	\$ -
	Tree and Shrub Round #2	0	\$ -	\$ -
	Tree and Shrub Round #3	0	\$ -	\$ -
	Tree and Shrub Round #4	0	\$ -	\$ -
	Tree and Shrub Round #5	0	\$ -	\$ -
	Shrub Fertilization	0	\$ -	\$ -
	Deep Root Feed Trees	0	\$ -	\$ -
	Plant Bed Pre-Emergence	0	\$ -	\$ -
Mulch	Mulch Tree Rings	0	\$ -	\$ -
	Mulch Plant Beds	0	\$ -	\$ -
Irrigation System	Central Control Monitoring	0	\$ -	\$ -
	Spring Startup	0	\$ -	\$ -
	Monthly Site Inspection & Adjustment	0	\$ -	\$ -
	Fall Shutdown and Blowout	0	\$ -	\$ -
Seasonal Color	Spring Color - Flower Beds	0	\$ -	\$ -
	Summer Color - Flower Beds	0	\$ -	\$ -
	Fall Color - Flower Beds	0	\$ -	\$ -
	Bulbs - Early Spring- Flower Beds	0	\$ -	\$ -
	Spring Pots	0	\$ -	\$ -
	Summer Pots	0	\$ -	\$ -
	Fall Pots	0	\$ -	\$ -
Flower Bed Maintenance	0	\$ -	\$ -	
Detail Services	Spring Trim and prune shrubs	0	\$ -	\$ -
	Summer Trim and prune shrubs	0	\$ -	\$ -
	Fall Trim and prune shrubs	0	\$ -	\$ -
	Tree Pruning < 12'	0	\$ -	\$ -
	Perennial maintenance	0	\$ -	\$ -
	Ground cover maintenance	0	\$ -	\$ -
	Hard Surface Sterifant	0	\$ -	\$ -
	Bed Maintenance - Weed Control	0	\$ -	\$ -
	Spade edge plant beds	0	\$ -	\$ -
	Spade edge tree rings	0	\$ -	\$ -
	Mulch cultivation	0	\$ -	\$ -
	Nutsedge	0	\$ -	\$ -
	Overseed Turf	0	\$ -	\$ -
Aeration	0	\$ -	\$ -	
Annual Maintenance Price				\$ 4,900.00

Client Signature

Tom Wooddell

Embassy Representative Signature

[Signature]

By signing you are agreeing to the attached 'Terms and Conditions' as they are written and approve Embassy to perform the estimated duties/tasks for the price quoted above.

A RESOLUTION APPROVING SPECIFICATIONS FOR THE 2016 STREET MAINTENANCE PROJECT

WHEREAS, the City of Riverside (“City”) wishes to approve the specifications for the 2016 Street Maintenance Project (Proj. No. 316-016) attached hereto as **Exhibit A** and incorporated herein (the “Specifications”); and

WHEREAS, upon the Board of Aldermen’s approval of the Specifications, the City will issue an invitation to bid to contractors; and

WHEREAS, the Board of Aldermen find it to be in the best interests of the City in order to provide for the health, safety, and welfare of the businesses and citizens of the City, to approve the 2016 Street Maintenance Specifications.

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

THAT the Specifications, attached hereto as **Exhibit A** and incorporated herein, are hereby approved; 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.

PASSED AND ADOPTED by the Board of Aldermen and **APPROVED** by the Mayor of the City of Riverside Missouri the ____ day of March, 2016.

Kathleen L. Rose, Mayor

ATTEST:

Robin Kincaid, City Clerk

EXHIBIT "A"

2016 Street Maintenance Specifications

TECHNICAL SPECIFICATIONS

2016 STREET MAINTENANCE PROJECT (Project No. 316-016)

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
01051	CONSTRUCTION SURVEY AND STAKING
01060	STANDARD SPECIFICATIONS AND PLANS
01270	MEASUREMENT AND PAYMENT
01310	JOB SITE ADMINISTRATION
01320	CONSTRUCTION SCHEDULE
01330	SUBMITTALS
01410	TESTING LABORATORY SERVICES
01524	WASTE AREA, MATERIAL STORAGE AND SITE APPEARANCE
01567	POLLUTION CONTROL
01570	TEMPORARY TRAFFIC CONTROL
01732	DEMOLITION

Division 2 – Site Work

<u>Section</u>	<u>Description</u>
02230	CLEARING AND GRUBBING
02300	EARTHWORK
02350	EROSION AND SEDIMENT CONTROL
02510	ASPHALT PAVEMENTS
02520	PORTLAND CEMENT CONCRETE PAVING
02870	PAVEMENT MARKINGS
03002	CONCRETE

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: Bidders may visit the site and inform themselves of all conditions presently existing. Failure to visit the site will in no way relieve the successful bidder 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, he 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. Responsibility of Contractor for Backfill Settlement: The Contractor shall be responsible, financially and otherwise, for:
 - 1. Any and all settlement of trench and other backfill which may occur from the time of original backfilling until the expiration of a period of one year from and after the date of final acceptance of the entire contract under which the backfilling work was performed.
 - 2. The refilling and repair of all backfill settlement and the repair or replacement to the original or a better condition of all pavement, top surfacing's, driveways, walks, surface structures, utilities, drainage facilities, sod and shrubbery, which have been damaged as a result of said backfill settlement or which have been removed or destroyed in connection with backfill replacement operations.
 - 3. The Contractor shall make, or cause to be made, all necessary backfill replacements and repairs or replacements appurtenant thereto, within 30 days from and after due notification by the Owner of backfill settlement and resulting damage at any designated location or locations.
- E. 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 his operations and he shall

replace, at his own expense, in a manner approved by the Owner any such broken or damaged material.

- F. 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.
- G. Pumping and Shoring: The Contractor shall promptly remove all water that may reach the trenches and other excavated portions of the premises at any time during the progress of the work, and he shall keep the premises free from accumulations of water at all times until the completion of the work. All temporary shoring required shall be furnished and installed by the Contractor and shall be designed in accordance with current OSHA requirements. Trench sheeting shall not be pulled before backfilling unless pipe strength is sufficient to carry trench loads based on trench width to the back of sheeting. No separate payment will be made for temporary shoring or pumping.
- H. Labor and Tools: Work which should properly be done by skilled labor shall not be attempted with common laborers. The various contractors shall have on the job, at all times, ample equipment to carry on the work properly, including such tools as may be necessary to meet emergency requirements.
- I. 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.
- J. 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.
- K. Blasting: No blasting will be allowed on this project.
- L. Definitions of Contract Completion: This section defines the terms “Substantial Completion” and “Final Completion” as they are used in the Contract Documents.
 - 1. Substantial Completion: Substantial completion is defined as 100% completion of the following items:
 - a. 47th Terr
 - b. Florence Ave
 - c. 50th St
 - d. 50th Terr
 - e. 51st St
 - f. Woodside Dr
 - g. Woodside Ct
 - h. Flintridge Dr

2. Final Completion: Final completion shall be defined as 100% completion of all work items other than the ones listed under “Substantial Completion” and all other work items as provided for in the Contract Documents.

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 City Engineer 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 City Engineer 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 other bid items.
- 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.

01051 CONSTRUCTION SURVEY AND STAKING:

- A. General: This item shall be provided by the City.

01060 STANDARD SPECIFICATIONS AND PLANS

- A. General: The work shall conform to the plans and contract specifications as outlined. The standard specifications and plans which govern this work are listed below. In case of conflict, the specifications listed in this document shall take precedence over those listed in the stated Standard Specifications.
- B. Standard Specifications: Except where noted otherwise, the work shall conform to the latest edition of the Kansas City Metropolitan Chapter of APWA Standard Specifications and Design Criteria, Division II (APWA Standard Specifications). The referenced APWA Standard Specifications are available at the following website: <http://kcmetro.apwa.net/chapters/kcmetro/specifications.asp>
- C. Standard Plans: The work shall conform to the latest edition of the Kansas City Metropolitan Chapter of APWA Standard Plans when referenced in the construction documents. The referenced APWA Standard Plans are available at the following website: <http://kcmetro.apwa.net/chapters/kcmetro/specifications.asp> Other standard plans and specifications may be referred to and therefore adopted into these specifications.

01270 MEASUREMENT AND PAYMENT

- A. The quantities as given in the Itemized 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 Itemized 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. The Bidder is warned against unbalancing his bid, since the unit prices will apply to deductions as well as additions. The Owner has the privilege of omitting or adding to any unit items in the Bid Form.
- 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 Bid Form.
- 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 Itemized 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 Itemized Proposal. All Work not specifically set forth in the Bid Form 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 Itemized Proposal.

- D. Even though the details for measurement and payment of a particular item are outlined in the following articles, if said item does not appear in the Itemized Proposal, or if said item is a part of another item listed in the Itemized Proposal, it will not be measured for payment.
- E. Whenever in the Itemized 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 Itemized Proposal multiplied by the contract unit price therefore.
 2. Lump sum payment for each item so listed in the Bid Form, at the contract lump sum price therefore.
 3. Any special payment or adjustment, plus or minus, as provided for in the Agreement.

H. Pay Items

1. Mobilization: This item shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of all offices, buildings, and other facilities necessary for work on the project except as provided in the contract as separate bid items; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various items on the project site; for periodic cleanup during construction and for cleanup upon completion of the work. Lump sum bid for "Mobilization" shall not exceed 3% of the itemized proposal total.

Payment will be based on the contract lump sum bid price for "Mobilization", partial payments will be allowed on the next estimate as follows:

- 3.5.1 When 5 percent or more of the original contract amount is earned, 25 percent.
- 3.5.2 When 10 percent or more of the original contract amount is earned, an additional 25 percent.
- 3.5.3 When 25 percent or more of the original contract amount is earned, an additional 25 percent.
- 3.5.4 When 50 percent or more of the original contract amount is earned, the final 25 percent.

Nothing herein shall be construed to limit or preclude partial payments otherwise provided by the contract.

2. Construction Survey and Staking: Contractor is responsible for providing all required construction surveys. Contractor shall be responsible for proper replacement or resetting of monuments, section corners, property corners, benchmarks, or other reference points that are moved or destroyed by construction of the project by a Registered Land Surveyor, duly registered in the state of Missouri.

Payment will be based on the contract lump sum bid price for “Construction Survey and Staking”. If this item is subcontract out, payment will be based on action invoices submitted by the survey subcontractor subject to the review of the City. If this item is not subcontracted, partial payments will be allowed on the next estimate as follows:

- a. When 5 percent or more of the original contract amount is earned, 25 percent.
- b. When 10 percent or more of the original contract amount is earned, an additional 25 percent.
- c. When 25 percent or more of the original contract amount is earned, an additional 25 percent.
- d. When 50 percent or more of the original contract amount is earned, the final 25 percent.

Such payment shall constitute full compensation for all labor, materials, equipment, tools, and performance of all work necessary to complete the item. Nothing herein shall be construed to limit or preclude partial payments otherwise provided by the contract.

3. Temporary Traffic Control: This item shall include all personnel, equipment, supplies, and incidentals for Contractor to provide traffic control meeting requirements of “Part 6 of the Manual on Uniform Traffic Control Devices (MUTCD) current edition” and its latest revisions.

Payment will be based on the contract lump sum bid price for “Temporary Traffic Control”.

Nothing herein shall be construed to limit or preclude partial payments otherwise provided by the contract.

4. Clearing and Grubbing: This item shall include all work necessary to prepare site for construction including demolition of existing features, stripping and stockpiling topsoil, all material, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on the contract lump sum bid price for “Clearing and Grubbing”.

5. Net Earth Embankment (In Place): This item shall include all work necessary to excavate and compact site to final earthwork grade, including all materials, equipment, tools, labor and work incidental thereto as required to complete this item as specified. The net earth embankment quantity in the bid form is a comparison between the proposed finish earthwork surface and the existing

grade within the proposed grading extents. The quantity calculation does not take into account any shrink or swell of material.

Payment will be based on a cubic yard basis, based on project plan quantities for “Net Embankment (In Place).” The Contractor shall review the existing cross sections and agree, or disagree with the existing ground line before beginning any excavation or embankment construction. Areas in question may be resurveyed to confirm the cross sections in question, if any. If the Contractor performs a re-survey of the existing ground line it shall be at his expense. The engineer shall be on site during the survey and shall be given a copy of the survey notes. Contractor shall provide as-built survey in AutoCAD format for comparison to pre-construction conditions.

6. Sediment Fence: This item shall include all work necessary to install, maintain throughout project, and remove temporary sediment fence, including all materials, equipment, tools, labor and work incidental thereto as required to complete this item as specified. No direct payment will be made for maintenance (i.e. cleaning, removal of silt, repairing, setting up or replacing previously paid for devices, etc.).

Payment will be based on measured linear foot basis for “Sediment Fence.”

7. Curb Inlet Sediment Filter: This item shall include all work necessary to install, maintain throughout project, and remove temporary curb inlet sediment filter, including all materials, equipment, tools, labor and work incidental thereto as required to complete this item as specified. No direct payment will be made for maintenance (i.e. cleaning, removal of silt, repairing, setting up or replacing previously paid for devices, etc.).

Payment will be based on measured per each basis for “Curb Inlet Sediment Filter.”

8. Reinforced Concrete Pipe (60”, Class III): This item shall include all work necessary to install storm culvert pipe including trenching, bedding, furnishing and installation of pipe, couplings, backfill, compaction, testing, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured linear foot basis for “Reinforced Concrete Pipe (60”, Class III).”

9. RCP End Section (60”): This item shall include all work necessary to install storm end section including trenching, bedding, furnishing and installation of end section, couplings, backfill, compaction, testing, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured per each basis for “RCP End Section (60”).”

10. Portland Cement Concrete Pavement, 5" depth: This item shall include all work necessary to construct concrete pavement including layout, forming, furnishing all material, finishing, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured square foot basis for "Portland Cement Concrete Pavement, 5" Depth."

11. MoDOT Type 1 Aggregate Base, 4" depth: This item shall include all work necessary to install aggregate base including subgrade preparation, compaction, furnishing all material, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured square yard basis for "MoDOT Type 1 Aggregate Base, 4" Depth."

12. MoDOT Type 1 Aggregate Base, 6" depth, w/ Filter Fabric: This item shall include all work necessary to install filter fabric and aggregate base including subgrade preparation, fabric tie-downs, compaction, furnishing all material, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured square yard basis for "MoDOT Type 1 Aggregate Base, 6" Depth, w/ Filter Fabric."

13. L-385 Stone Riprap (Depth Varies): This item shall include all work necessary to install riprap including subgrade preparation, bedding material, compaction, furnishing all material, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured square yard basis for "L-385 Stone Riprap, 18 and 24" Depth."

14. Removable Pipe Bollards: This item shall include all work necessary to furnish and install removable pipe bollards including foundation construction, painted bollard, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured per each basis for "Removable Pipe Bollards."

15. Barrier Gate, 12-ft, w/ Sign: This item shall include all work necessary to furnish and install stainless steel barrier gate with fixed posts, including foundation construction, gate, gate holdbacks, trail closed signage, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured per each basis for "Barrier Gate, 12-ft, w/ Sign."

16. Seeding, Sodding, Fertilizing, & Mulch: This item shall include all work necessary to establish seeding or sod as identified on the contract documents including, but not limited to, seedbed preparation, mulching, fertilizer and watering until vegetation is accepted, furnishing all material, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on measured acre basis for “Seeding” and measured square yard basis for “Sodding.”

17. Irrigation System Repair: This item shall include all work necessary to modify and repair any irrigation system impacted by this project, including, but not limited to, excavation, piping, fittings, sprinkler heads, furnishing all material, equipment, tools, labor and work incidental thereto as required to complete this item as specified.

Payment will be based on a lump sum basis for “Irrigation System Repair.”

01310 JOB SITE ADMINISTRATION:

- I. The Contractor, or a duly authorized representative to act for him, shall continually be present at the site of the work, whenever construction activities are underway, for the duration of this project.
- J. The Contractor shall designate, in writing, his 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.
 - 5. Scheduled percentage of completion at the end of each calendar month.
 - 6. Scheduled percentage complete for each phase at the end of each calendar month.

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.

01330 SUBMITTALS

- A. Shop Drawings: A minimum of two (2) copies each of manufacturer's shop drawings and data sheets shall be submitted to the Owner indicating the necessary installation dimensions, weights, materials and performance information.

The shop drawings shall be distributed as follows: One (1) copy for the City and one (1) copy for the prime Contractor. The Contractor shall supply additional copies as necessary for any subcontractors.

Submittals for equipment and materials shall include reference to indicate where it is to be used; whether by tag number, specification paragraph, or description of use.

Approval of shop drawings will be for conformance with the design concept of the project and for compliance with the information given in the Technical Specifications. The approval of a separate item, as such, will not indicate approval of the assembly in which the item functions.

Submittals: The following is a list of submittals required:

- 3.13 Aggregate (other than those used in pavements or structures)
 - A. Gradation Test Results
 - B. Soundness Test Results
- 3.14 Fill Material
 - 1. Source for Material
 - 2. Moisture-Density Relationships
- 3.15 Concrete Mix Design (For Each Mix used on the Project)
 - A. Source of Materials
 - B. Concrete Manufacturer's Name
 - C. Testing Laboratory Name
 - D. Results of the Mix Design
- 1. Compressive Strength
- 2. Air Contents
- 3. Slump
- 4. Cement Content
- 5. Water Content
- 6. Fine Aggregate
 - 1. Gradation Test Results
 - 2. Soundness Test Results
- 7. Coarse Aggregate
 - A. Gradation Test Results
 - B. Soundness Test Results
 - d. Additives as called for in plans or specifications
 - e. Certification of Reinforcing Steel
 - f. Certification of Fly Ash (if used)
 - g. Asphalt Mix Designs (for each mix used on the project)
 - 1. Source of Materials
 - 2. Asphalt Manufacturer's Name

3. Testing Laboratory Name
4. Results of the Mix Design
 - B. Marshall Characteristics, including all those items listed under APWA Section 2205.3.D (If a SuperGyratory Compactor is used to prepare the asphalt samples, the Marshall flow and stability measurements will be waived however the alternate test values listed in the second paragraph of APWA Section 2205.3.D will be required to be submitted).
 - C. Asphalt Cement Content
 - D. Fine Aggregate
 1. Gradation Test Results
 2. Soundness Test Results
 - E. Coarse Aggregate
 - i. Gradation Test Results
 - ii. Soundness Test Results
- h. Soil-Fly Ash Mixture:
 - i. Fly ash material
 - ii. For soil-fly ash mixture (with specified % of fly ash) for each different type of soil anticipated to be used in the pavement subgrade stabilization:
 - iii. ASTM D558 modified to a 2 hour delay. At each moisture content, strength testing (ASTM D 1633) modified to curing sealed for 7 days at 100 degrees (F) shall be performed.
- i. Storm Sewer
 - i. Piping
 1. Certification of Piping and Fittings
 2. Structures
 - a. Precast Shop Drawings
 - b. Catalogue Cuts on Metal Castings
- j. Signing Materials
 - i. Equipment and Materials List including Manufacturer and Catalogue Number
- k. Pavement Marking Materials
 - ii. Certification that all materials used are in compliance with specifications included herein.
- l. Silt Fence
 - iii. Manufacturer's information showing compliance with physical requirements as listed in Section 02205.
- m. Sanitary Sewer Pipe and Fittings
 - iv. Certification of Piping and Fittings
 - v. Precast Manhole Shop Drawings
 - vi. Precast Manhole Fittings
 - vii. Manhole Ring, Cover and Steps
 - viii. Manhole Joint Compound
 - ix. Manhole Coating
 - x. Manhole Casting and Barrel Wraps

- n. Utility Conduits
- o. Certification that all materials used are in compliance with specifications included herein.

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 APWA Standard Specifications unless otherwise noted below:

Material	Test	Standard	Frequency
Soils	Moisture Density	ASTM D698	Minimum 1 per soil type (on site or borrow).
Soils	In-place Density and Moisture Content	ASTM D2922, D3017	Min of 4 tests per day for each active grading spread. Min. 2 per lift in trench backfill.
Concrete	Compression Tests	ASTM C31, C143, C172	1 set of cylinders from the first pour and each 200 C.Y. thereafter. Note: Air and slump tests are required for each set of cylinders created.
Concrete	Slump	ASTM C143	At the beginning of each pour and for 100 C.Y. thereafter.
Concrete	Air Content	ASTM C231	At the beginning of each pour and for 100 C.Y. thereafter.
Asphalt	Mix Design	AI MS-2	At the beginning of placement each day.
Asphalt	Sampling Bituminous Mixtures	ASTM D-979	At the beginning of placement each day.
Asphalt	Binder Content	ASTM D-2172	At the beginning of placement each day.
Asphalt	Density of In-Place Bituminous Concrete	ASTM D 2950	Once a day per road section (base and/or surface courses)

One copy of the test results shall be submitted to the Owner electronically within 24 hours of the test completion, and one hard copy to be submitted to the Owner within five (5) days 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 bid 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 bid item, "Mobilization".

01567 POLLUTION CONTROL

No open burning will be permitted. See Section 02350 for erosion and sediment control, Section 02820 for seeding/sodding.

Contractor is responsible for maintaining and updating site specific Stormwater Pollution Prevention Plan.

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.

01732 DEMOLITION

- A. General: This item includes, but is not limited to, the removal and disposal of landscaping items, signs, fences, pipes, existing storm sewers, end sections and appurtenances, and all other items designated for removal in the plans or as directed by the Project Manager. All items that are inside the construction limits, including those not listed or shown on the plans, shall be included in this item. Demolition shall be done in accordance with Section 2101 of the APWA Standard Specifications.
1. Sawcut Existing Pavement Full Depth: Where portions of the existing pavement are to be removed, the existing pavement shall be cut with a concrete saw to full depth. If the remaining pavement is chipped or cracked during sawing and removal, it shall be re-sawed behind the limits of the chip or crack. No additional payment will be made for the replacement of pavement damaged during construction other than that shown on the plans. This is considered subsidiary to the bid item "Clearing and Grubbing."
- 3 Workmanship: All removals, except for suitably sized broken pavement, shall be properly discarded off the project limits and shall not be re-used or used as an embankment material within the project limits.
- C. Payment: No direct payment shall be made for demolition. This item shall be considered subsidiary to the bid item "Clearing and Grubbing".

DIVISION 2 – SITEWORK

02230 CLEARING AND GRUBBING

- A. General: Clearing and grubbing shall be done in accordance with Section 2101 of the APWA Standard Specifications.
- B. Payment: No direct payment will be made.

02300 EARTHWORK

- A. General: Grading shall be in accordance with Section 2100 of the APWA Standard Specifications. Subgrade preparation shall be in accordance with Section 2201 of the APWA Standard Specifications, except as otherwise specified herein.
 - a. Embankment: Embankment shall include the placing and compacting of all materials necessary to construct the improvements as shown on the plans.
 - i. Upon completion of stripping, but prior to placing new fill, the exposed grade in fill areas shall be broken up by plowing or scarifying to a minimum depth of 6 inches and recompact as specified. All embankment fill shall be compacted to a density of at least ninety-five percent (95%) of the maximum density for material used as determined by ASTM Designation D-698. The top one-foot of embankment as well as the embankment surrounding utilities shall contain no rock larger than 3 inches.
 - ii. The area in the plans designated as “compacted fill” shall be graded and compacted to 95% maximum density to the elevation of two feet above the top of pipe prior to excavating for the pipe installation.
 - b. Over-excavation and Placement of Backfill: At the direction of the Owner, excavation of unsuitable subgrade material and placement of suitable fill material may be employed. Overexcavation and placement of backfill will include the removal of all unsuitable material beyond the excavation limits as shown on the plans, placement of backfill material and compaction of backfill per the above listed Embankment specifications.

- B. Payment: No direct payment will be made.

02350 EROSION AND SEDIMENT CONTROL

- A. General: Erosion and sediment control shall be in accordance with APWA Standard Specifications Section 2150.
 - 1. The Contractor is responsible for providing sufficient control of sediment and erosion to prevent migration of sediment off the construction site throughout the duration of the project.
 - 2. All sediment escaping the project site and entering the downstream ditches shall be removed immediately at the expense of the Contractor. If the existing vegetation is damaged by the sediment, or by the removal of the sediment, it shall be replaced with like vegetation at the expense of the Contractor.
- B. Payment: No direct payment will be made.

02510 - ASPHALT PAVEMENTS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. Under this section of the Specifications, the Contractor shall provide all labor, materials, tools and equipment necessary to complete the following items of work:
 - 1. Bituminous concrete pavements.

1.2 RELATED WORK NOT INCLUDED IN THIS SECTION

- A. Earthwork: Section 02300.
- B. Pavement Markings: Section 02870.
- C. Materials and testing shall be in accordance with the latest edition of the applicable provision of the American Society for Testing Materials (ASTM).

1.3 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Asphaltic Pavement:
 - 1. Basis of Measurement: By the square yard.
 - 2. Basis of Payment: Includes all labor, equipment and materials necessary for mix design, supplying to site, testing, forming, placement, curing, protection, joint sealing and backfilling.

PART 2 - MATERIALS

2.1 ASPHALT MATERIALS

- A. Asphalt Cement: Asphaltic cement shall conform to ASTM D946.
- B. Coarse Aggregate: Coarse aggregate shall be in accordance with MCIB Section 4 - Paragraph 2, except that the total shale, clay, coal and lignite content shall not exceed 0.5 percent by weight.
- C. Fine Aggregate: Fine aggregate shall be in accordance with MCIB Section 4 - Paragraph 3.

2.2 AUXILIARY MATERIALS

- A. Joint Sealant: ASTM 6690, hot-applied, single-component, polymer-modified bituminous sealant.

0.3 ASPHALT ACCESSORIES

- A. Primer: Homogeneous, medium curing, liquid asphalt, Type MC-70.

- B. Tack Coat: Homogeneous, medium curing, liquid asphalt, Type RC-70.
- C. Sand Cover: Sand cover used for blotting excess primer shall be clean granular mineral meeting the following gradation:

Sieve Size	Percent Passing
No. 4	100
No. 200	0-2

The moisture content of the sand shall not exceed 3 percent by weight.

0.4 ASPHALT PAVING MIX

- A. Use dried and heated material to avoid foaming. Mix uniformly.
- B. Asphaltic Concrete Base Course Type 1: Asphalt base shall contain 4 to 6 percent of asphalt cement by weight in mixture. Mineral aggregates shall conform to the following gradation:

Sieve Size	Percent Passing By Weight
1 1/2"	100
1"	75-100
3/4"	60-85
1/2"	----
3/8"	40-65
No. 4	30-50
No. 10	17-33
No. 40	----
No. 80	5-12
No. 200	2-10

1. In addition to the above limits, the difference between the "percent passing" of successive sieve sizes shall not exceed 25 percent.
2. At the Contractor's option Asphalt Base may contain up to 50 percent Reclaimed Asphalt Pavement (RAP) and/or Reclaimed Aggregate Materials (RAM).
3. Recycled Asphaltic Concrete Material shall have the following additional tests performed:
 - a. ASTM C-117 Standard Test Method for Material Finer than No. 200 Sieve in Mineral Aggregates by Washing.
 - b. ASTM C-136 Standard Method for Sieve Analysis of Fine and Coarse Aggregates.
 - c. ASTM D-2172 Standard Test Methods for Quantitative Extraction of Bitumen from Bituminous Paving Mixtures, Method "A".
4. The extracted asphalt from Method "A" ASTM D-2172 shall be reclaimed from solution in accordance with ASTM D-1856 Standard Test Method for Recovery of Asphalt from Solution by Abson Method.

- a. The consistency of the asphalt shall be determined on the basis of viscosity at 140 degrees F in accordance with ASTM D-2171 Standard Test Method for Viscosity of Asphalts by Vacuum Capillary Viscometer.
 - b. The grade of asphalt used in recycled mixes shall be the same grade as for virgin mixes.
5. New asphalt cement added to recycled asphalt shall meet the requirements of ASTM D-3381, Standard Specification for Viscosity-Graded Asphalt Cement for use in Pavement Construction or ASTM D-946, Standard Specification for Penetration-Graded Asphalt Cement for use in Pavement Construction.
 6. Any material obtained from cut-back asphaltic concrete streets or road-oil-chip seal streets is unacceptable for recycled asphaltic concrete.
 7. Recycling Agents, if used, shall meet the requirements of ASTM D-4552 Standard Practice for Classifying HOT MIX Recycling Agents.
 8. The blend of RAP and/or RAM and virgin aggregates shall be checked for resistance to stripping. Use ASTM D-1075 Standard Test Method for effect of Water on Cohesion of Compacted Bituminous Mixtures. The index of retained strength shall exceed 75 percent.
 9. Maintain stockpiles of RAM and RAP at the plant separated on the basis of mix type-surface, binder and base. Stockpiles shall be free of foreign matter. RAM and/or RAP shall be processed such that 100 percent passes the 1 1/2 inch sieve and 90 percent passes the 1 inch sieve.
 10. RAP and/or RAM stockpiles shall be free of all foreign matter, including but not limited to ice, wood, soil, broken sewer castings, loop detector wire, joint filler material, lane markers, trash and debris.
 11. Mix Design Requirements: Mix design for recycled mixtures shall be in accordance with the Asphalt Institute's Manual Series No. 20 (MS-20) titled Asphalt Hot-Mix Recycling Section 3.00.
 12. All delivery tickets of asphaltic pavement material shall designate the type of recycled mix (RC - Type 1, RC - Type 2, RC - Type 3, or RC - Type 4).
- C. Asphaltic Concrete Surface Course Type 3: Surface course Type 3 shall consist of all virgin material with 4 to 7 percent of asphalt cement by weight in mixture. Mineral aggregates shall conform to the following gradation:

Sieve Size	Percent Passing By Weight
3/4"	100
1/2"	85-100
3/8"	70-90
No. 4	50-70
No. 10	34-43
No. 40	16-27
No. 80	7-16
No. 200	4-10

1. In addition to the above limits, the difference between the "percent passing" of successive sieve sizes shall not exceed 20 percent.

0.5 AGGREGATE BASE COURSE

- A. Coarse aggregate base shall be crushed stone free of lumps or balls of clay and any other soft or objectionable material. Gradation shall be in accordance with ASTM C-136 and the following:

Sieve Size	Percent Passing By Weight
1 1/4"	100
1"	72-100
3/4"	60-90
3/8"	43-74
No. 4	28-60
No. 10	16-40
No. 40	3-22
No. 200	0-15

The difference between the percent passing of successive sieve sizes shall not exceed 25 percent.

- B. The coarse aggregate base material shall be angular particles with a minimum of 90 percent of the stones having two or more fractured surfaces.
- C. The specific gravity for base coarse aggregate shall not be less than 2.54 (S.S.D. Bulk).
- D. The abrasion loss for the aggregate when subjected to 500 revolutions in a Los Angeles abrasion machine, according to ASTM C-131, shall be no more than 35 percent.
- E. That portion of the aggregate passing the 1 inch sieve and retained on the No. 4 sieve shall have, by weighted average, a loss not greater than 10 percent when subjected to five cycles of the Soundness Test, ASTM C-88. Also this same portion of the material shall contain less than 20 percent by weight particles which have a thickness to least width ratio of 1 to 3 and least width to length ratio of 1 to 3.
- F. That portion of the material passing the No. 40 sieve shall have a maximum plasticity index of 8 when tested in accordance with ASTM D-4318.

0.6 SOURCE QUALITY CONTROL

- A. Provide tests of mix design for asphalt.
- B. Submit proposed mix design of each class of mix for review prior to commencement of work.
- C. Asphaltic concrete test samples shall be taken according to ASTM D-979 and tested for Bitumen content according to ASTM D-2172.

PART 3 - EXECUTION

3.1 TESTING

- A. The Contractor shall provide and pay for the services of a qualified, independent testing laboratory to insure that the bituminous concrete mix designs and in-place thicknesses and densities of base and surface courses are in compliance with all the provision of the specifications.

3.2 SUBGRADE PREPARATION

- A. The paving contractor shall proof roll the entire subbase area which is to be paved with a fully loaded tandem dump truck before application of base material. If any portion is unsatisfactory, that area shall be removed and shall have suitable fill replaced, recompact and retested before paving shall commence. The cost of this work shall be the responsibility of the earthwork contractor.

3.3 INSTALLATION OF BITUMINOUS CONCRETE PAVEMENT

- A. Bituminous concrete pavements shall be constructed in accordance with the applicable section of KC-APWA except as herein amended.
- B. Apply a prime coat to the aggregate base of 0.3 gallons per square yard of AC-30 liquid emulsified asphalt.
- C. Apply a prime coat of emulsified asphalt to all vertical contact surfaces of existing pavement, manholes, catch basins, curbs and all other contact surfaces prior to paving.

3.4 CLEAN-UP

- A. Upon completion of the work, all surplus materials, debris, tools and equipment shall be removed from the site.

END OF SECTION 02510

02520 - PORTLAND CEMENT CONCRETE PAVING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Concrete curb and gutter, sidewalk and driveways.

1.2 RELATED SECTIONS

- A. Section 02300 - Earthwork: Preparation of site for paving.
- B. Section 02510 – Asphaltic Concrete Paving.

1.3 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Concrete Curb and Gutter:
 - 1. Basis of Measurement: By the lineal foot.
 - 2. Basis of Payment: Includes all labor, equipment and materials necessary for mix design, supplying to site, testing, forming, placement, curing, protection, joint sealing and backfilling.

- B. Concrete Sidewalk:
 - 1. Basis of Measurement: By the square foot.
 - 2. Basis of Payment: Includes all labor, equipment and materials necessary for mix design, supplying to the site, testing, forming, placement, curing, protection, joint sealing and backfilling.

1.4 REFERENCES

- A. Division II, Construction and Materials Specifications for Paving, Section 2200, and Incidental Construction, Section 2300, Kansas City Metropolitan Chapter of the American Public Works Association Standard Specifications approved and adopted the 23rd day of May, 2001 together with all additions, deletions and changes prescribed by the Public Works Department for the City of Riverside, Missouri, one copy of which shall be kept on site at all times.

- B. Midwest Concrete Industry Board (MCIB) Standard Specifications for Concrete Work, Sections 3-1, 4-1, and 4-4, revised November 1999.

- C. ACI 301 - Specifications for Structural Concrete for Buildings.

- D. ANSI/ASTM A185 - Welded Steel Wire Fabric for Concrete Reinforcement.

- E. ANSI/ASTM D1751 - Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction.

- F. ANSI/ASTM D1752 - Preformed Sponge Rubber and Cork Expansion Joint Fillers for Concrete Paving and Structural Construction.

- G. ASTM A615 - Deformed and Plain Billet-Steel for Concrete Reinforcement.

- H. ASTM A616 - Deformed and Plain Rail-Steel Bars for Concrete Reinforcement.

- I. ASTM A617 - Deformed and Plain Axle-Steel Bars for Concrete Reinforcement.

- J. ASTM C33 - Concrete Aggregates.

- K. ASTM C88 - Soundness of Aggregates by Use of Sodium Sulfate and Magnesium Sulfate.

- L. ASTM C131 - Resistance to Degradation of Small Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine.

- M. ASTM C136 - Sieve Analysis of Fine and Coarse Aggregates.
- N. ASTM C150 - Portland Cement
- O. ASTM C260 - Air-Entraining Admixtures for Concrete.
- P. ASTM C309 - Liquid Membrane-Forming Compounds for Curing Concrete.
- Q. ASTM C494 - Chemical Admixtures for Concrete.
- R. ASTM D698 - Moisture Density Relations of Soils and Soil Aggregate Mixtures.
- S. ASTM D4318 - Liquid Limit, Plastic Limit, and Plasticity Index of Soils.
- T. FS TT-C-800 - Curing Compound, Concrete, for New and Existing Surfaces.
- U. FS TT-00227 and TT-00230-C - Rubberized Polysulfide Urethane Joint Sealing Compound for Concrete Pavement.

1.5 SUBMITTALS

- A. Submit under provisions set forth in General and Special Conditions and Division 1 of these specifications.
- B. Product Data: Provide data on mix design, joint filler, admixtures, and curing compounds.

1.6 QUALITY ASSURANCE

- A. The Contractor is responsible for placing concrete when conditions are conducive to proper curing.
- B. Perform work in accordance with MCIB Standard Specifications and the requirements of the City of Riverside, Missouri Public Works Department Standard Specifications .
- C. Obtain materials from same source throughout.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Do not place concrete when subgrade, forms or equipment are wet or frozen or contain ice or snow. Cold weather concrete work, when the air temperature is below 40 F, shall conform to MCIB Standard Concrete Specification, Section 4-4.
- B. Hot weather concrete work, when the air temperature is above 80 F, shall conform to MCIB Standard Concrete Specification, Section 4-4.

PART 2 PRODUCTS

2.1 FORM MATERIALS

- A. Forms shall be in good condition, clean and free of imperfections. Each form shall not vary more than 1/4 inch in horizontal and vertical alignment for each 10 feet in length.
- B. Forms shall be metal with a height equal to or greater than the specified thickness of the pavement slab or curb height.
- C. Forms shall be of sufficient cross section and strength and secured to withstand all pressures and loads imposed on it by concrete placement, vibration and finishing including any loads or impact from equipment.
- D. Slip form paving and curb machines may be used in place of forms. The machine shall be equipped with mechanical internal vibrators and capable of placing pavement or curb to the correct thickness, cross section, line and grade within the allowable tolerances.

2.2 JOINT MATERIALS

- A. Expansion joint material for concrete curb and gutter, sidewalk and driveway shall be a pre-formed, one piece, non-extruding material such as "Bondex" No. 941 pre-formed rubber joint, "Rubatex", both manufactured by Rubatex Company or approved equal.
- B. Joint sealing compound for concrete curb and gutter shall be a one component, gun-grade, moisture cured epoxy or urethane such as "Valcum 45" manufactured by Maneco International, "Sikaflex 1-A" by Sika Chemical Corporation or "Pecora CG-9" by Pecora Company or approved equal.

2.3 REINFORCEMENT

- A. Steel bar reinforcement for concrete pavement and curb dowels shall conform to ASTM A-615, A-616 or A-617.
- B. Welded wire fabric shall be W6X6 conforming to ASTM A-185.

2.4 CONCRETE MATERIALS

- A. Portland cement shall conform to ASTM C-150, Type I.
- B. Coarse aggregate shall conform to MCIB, Section 4-1. Only limestone from the Bethany Falls or Calloway ledges shall be used.
- C. Fine aggregate shall conform to MCIB Section 4-1.
- C. Water shall be potable, not detrimental to concrete.

- E. Air entrainment admixture shall be a neutralized vinsel resin type such as adair or an approved equal conforming to ASTM C-260.

2.5 ACCESSORIES

- A. Liquid membrane curing compound for use on pavement, curb and gutter, sidewalk and driveways shall conform to one of the following types.
 - 18. A white-pigmented, two component water insensitive epoxy having a solid epoxy content of 40 to 60 percent. The application rate is 5 to 8 mils wet.
 - 19. A liquid, white-pigmented, system of styrene acrylate Type I - Class 2 or liquid chlorinated rubber Type II - Class 2, complying with Federal Specification No. TT-C-800A. The application rate shall be 6 to 10 mils wet.
 - 20. A fan pattern spray nozzle shall be used when applying liquid curing membrane.

2.6 CONCRETE MIX

- A. Portland cement concrete used in construction of concrete pavement shall conform to MCIB Mix No. A558-1-2-0.421.
- B. Portland cement concrete used in construction of concrete curb and gutter shall conform to MCIB Mix No. A558-1-2-0.421 or WA610-1-4-0.410.
- C. Portland cement concrete used in construction of concrete sidewalk and driveways shall conform to MCIB Mix No. WA610-1-4-0.410.

2.7 SOURCE QUALITY CONTROL

- A. Submit proposed mix design of each class of concrete used to City and for review prior to commencement of work.
- B. Tests on cement and aggregates will be performed to ensure conformance with specified requirements.
- C. Test samples in accordance with ACI 301 and MCIB Standard Concrete Specifications.

PART 3 EXECUTION

3.1 EXAMINATION

- i. Verify that subgrade is compacted as specified in Section 02300, Earthwork and ready to support paving and imposed loads.
- ii. Verify that grades and elevations are as indicated on the plans.

3.2 SUBGRADE

- A. The subgrade surface shall be cut, filled and compacted as required to achieve the lines, grades and cross sections shown on the plans within a tolerance of 1/4 inch from plan elevation.
- B. The top six (6) inches of the subgrade shall be compacted to 95 percent of the maximum density as specified in ASTM D-698 with a moisture content ranging from minus 2 to plus 3 percent of optimum.
- C. If the subgrade cannot be properly compacted remove soft material, scarify top 6 inches of subgrade, moisture condition, and compact to 95 percent standard maximum density.
- D. Protect the finished subgrade from any damage, erosion or settlement until pavement placement. Any areas which are damaged shall be repaired to the specified lines, grades and cross sections. Any subgrade which has become unacceptable shall be reworked and restored to the lines, grades and density specified.

3.3 PREPARATION

- A. Moisten base to minimize absorption of water from fresh concrete.
- B. Verify that manholes, inlets or any other structures have been brought to the proper elevation, grade and alignment prior to placing concrete. Coat surfaces of manholes, curb inlets, existing structures and frames with oil to prevent bonding with concrete.
- C. Notify City a minimum of 24 hours prior to commencement of concreting operations.

3.4 FORMING

- A. Place and secure forms true to line and grade. Forms shall be supported throughout their length and joined in a manner to prevent movement in any direction.
- B. Clean and lubricate forms prior to each use. Forms shall be assembled to permit easy removal without damage to the new concrete.
- C. Place joint filler vertical in position, in straight lines as specified below. Secure to formwork during concrete placement.

3.6 REINFORCEMENT

- A. Place reinforcement as indicated in the details and typical sections in the plans.
- B. Interrupt reinforcement at expansion joints.

3.7 PLACING CONCRETE

- A. Concrete shall be placed in accordance with MCIB Standard Concrete Specifications.
- B. Concrete shall not be placed on subgrade or base which is muddy or frozen.
- C. Concrete shall be placed in such a manner to minimize segregation.

- D. Ensure reinforcement, inserts, embedded parts and formed joints are not disturbed during concrete placement.
- D. Deposit concrete on the subgrade or base to the required depth and lane width indicated on the plans. Place concrete continuously between predetermined construction joints in successive batches without using intermediate forms or bulkheads. The concrete shall be placed as closely to its final position as possible in order to minimize the amount of additional spreading necessary.
- F. Care shall be taken to deposit a sufficient volume of concrete along joints and forms. Curbs constructed of MCIB Mix No. WA-610-1-4 concrete shall be mechanically vibrated.
- G. During placement, vibrate and compact concrete with the appropriate tools and equipment to prevent voids and honeycomb pockets. Vibration is not required for placement of concrete for sidewalks and driveways.
- H. Concrete shall not be allowed to extrude below the forms.

3.7 CURB JOINTS

- A. Joints shall be formed at right angles to the alignment of the curb as specified in the details on the plans.
- B. Expansion joints shall be placed at all radius points, driveways, curb inlets and any additional locations directed by the City.
 - 1. Expansion joints shall be formed using a one piece, 3/4 inch thick preformed joint filler cut to the configuration of the curb section.
 - 2. Expansion joint material shall be secured to prevent any displacement during concrete placement, consolidation and finishing.
 - 3. Joint edges shall be rounded with a 1/4 inch radius edging tool.
- C. Curbs shall have one inch deep contraction joints at intervals of not less than 10 feet and not greater than 20 feet. The contraction joints shall extend across the entire curb section to one inch below the pavement surface and may be formed by one of the following methods.
 - 4. Contraction joints may be formed using a 1/8 inch metal template cut to the configuration of the curb section. Secure templates in place to prevent them from being disturbed. The templates shall remain in place until the concrete has attained its initial set and finishing is completed.
 - 5. Contraction joints may be tooled to the specified depth. All exposed joint edges shall be given a 1/4 inch radius.
 - 6. Sawed contraction joints may be cut when a curb machine has been used. Joints must be sawed within 24 hours of curb placement.
 - 7. Joint sealer is not required for contraction joints.

3.8 SIDEWALK JOINTS

- A. Joints shall be formed at right angles to the alignment of the sidewalk according to the Riverside, Missouri Public Works Department Standards.
- B. Sidewalks shall have traverse joints spaced at a distance equal to the sidewalk width. Sidewalks greater than 6 feet in width shall be divided by longitudinal joints spaced not less than 30 inches or greater than 48 inches with the traverse joints at the same spacing to form a square pattern.
- C. Expansion joints shall be located as indication in the details.
 - 1. Expansion joints shall be formed using a one piece, 1/2 inch thick preformed joint filler cut to match the cross section of the sidewalk or driveway. The joint material shall be left 1/2 inch below the pavement surface or a tear strip provided to allow for application of joint sealer.
 - 2. Secure joint material to prevent any displacement during concrete placement, consolidation and finishing.
 - 3. Round joint edges with a 1/4 inch radius edging tool.
- D. Contraction joints for sidewalks and driveways shall be one inch deep and 1/8 inch wide with edges rounded by a 1/4 inch radius edging tool. The edger marks shall be left on all sidewalks and driveways.
 - 1. Contraction joints may be sawed with the approval of the City.
 - 2. Joint sealer is not required for contraction joints.

3.9 CURB AND SIDEWALK FINISHING

- A. After placement and initial strike-off, the edges and curb shall be tooled to the radii shown in the details. If the surface is wet enough to create a ridge at the inside of the radius tool, finishing will be discontinued until the excess moisture evaporates.
- B. After the concrete has achieved initial set, face forms and templates shall be removed and the surface finished to the required dimensions. No water, dryer or additional mortar shall be applied to the concrete.
- C. After finishing, the surface of the concrete shall be broomed with a fine clean broom. The edges and joints of sidewalk and driveways shall be retooled. Finished curb, sidewalk and driveway shall have a true surface, free of sags, twists or warps and shall be uniform in color and appearance.

3.10 CURING

- A. Concrete curing shall conform to MCIB Standard Concrete Specifications except that water proof paper or polyethylene sheeting, wet burlap and cotton mats are not acceptable curing methods for concrete pavement, curbs, sidewalk and drives.
- B. As soon as practical after finishing and not later than one hour following placement, the concrete shall be cured by one of the acceptable liquid curing membranes, applied according to the manufacturer's instructions.

- C. If the forms are removed within 72 hours after placing concrete, or if a slip form paving machine or curb machine are used these surfaces shall also be cured.

3.11 PROTECTION

- A. The Contractor shall protect concrete work from damage or defacement until accepted by the Owner. Any concrete which has been damaged or defaced shall be removed and replaced or repaired to the City's satisfaction at the Contract expense.
- B. All concrete pavement shall be protected from vehicular traffic until it has achieved 70 percent of the 28 day compressive design strength.

3.12 JOINT SEALING

- A. All sidewalk expansion joints shall be sealed with a specified joint sealer within 7 days of concrete placement. Only the sidewalk portion of the curb requires joint sealing with a specified joint sealer within 7 days of placement.

3.16 TOLERANCE

- A. Surface tolerance for all concrete work shall be 1/4 inch in 10 feet, in all directions, when checked with a 10 foot straight edge.

3.17 BACKFILL

- A. Concrete forms shall remain in place a minimum of 24 hours. Curbs and sidewalks may be backfilled immediately after forms are removed.
- B. Backfill of concrete work shall conform to the grading specifications set forth in Section 02300, Earthwork.

3.18 CLEANUP

- A. The Contractor shall be responsible for removal from the site of excess concrete, rock, dirt, debris and any broken concrete. Clean up shall take place as work progresses.
- B. Contractor shall be responsible for the repair of any existing pavement, curb, sidewalk or driveway damaged or disturbed during construction to the satisfaction of the City.

3.19 FIELD QUALITY CONTROL

- A. The Contractor shall provide and pay for the services of a qualified, independent testing laboratory to insure that the bituminous concrete mix designs and in-place thicknesses and densities of base and surface courses are in compliance with all the provision of the specifications.

B Field inspection and testing will be performed under provisions set forth in the General and Special Conditions and Division 1 of these specifications.

E. One additional test cylinder will be taken during cold weather and cured on site under same conditions as concrete it represents.

G. Maintain records of placed concrete items. Record date, location of pour, quantity, air temperature, and test samples taken.

END OF SECTION 2520

02870 - PAVEMENT MARKINGS

PART 1 - GENERAL

1.1 Pavement areas shall be striped as indicated on the drawings. Materials shall be as indicated in PRODUCTS.

1.2 Colors shall be white or yellow, full bodied. All striping shall be 4", 6" or 12" wide and uniform, with sharp, straight edges and neat intersections. Furnishings of material and paint striping shall be done by a licensed and insured parking lot service contractor only.

PART 2 - PRODUCTS

<u>Manufacturer</u>	<u>Product Name</u>
PPG	Pittsburg Traffic and Zone Marking Paint, 11 Line
Sherwin Williams	Pro Mar Alkyd Traffic Marking Paint

PART 3 - EXECUTION

3.1 Paint a 4" wide single line stripe for all auto parking spaces and lane lines as shown on drawings. At the pedestrian crosswalks, as shown on drawings, paint 12" wide white stripes each side of walkway in parallel lines and paint 12" wide white lines diagonal to the crosswalk line at 4'-0" O.C.

3.2 Paint 4" wide yellow stripes marking NO PARKING areas using diagonal stripes at 2'-0" O.C.

3.3 Paint disabled parking symbols using a 6" wide single line stripe as detailed on the plans.

03002 CONCRETE

A. General: Portland Cement Concrete Pavement construction shall be performed in accordance with **Section 2200 of the APWA Standard Specifications**. **The material shall be in accordance with the Kansas City Metro Materials Board, KCMMB4K design mix.**

B. Workmanship:

1. Weather Conditions: Do not place concrete when stormy or inclement weather or temperature prevents good workmanship. Temperature restrictions and protection requirements may be modified by the Engineer under unusual conditions.

2. Cold Weather:

a. Paving: Do not place aggregates containing frozen lumps, and do not place concrete on a frozen subgrade or subbase. Take all necessary actions to prevent the pavement from freezing.

1) Concrete mixing and placement may be started, if weather conditions are favorable, when the air temperature is at least 34°F and rising. At the time of placement, concrete must have a temperature in conformance with ACI 306R-88, Table 3.1.

2) Stop mixing and placing when the air temperature is 38°F or less and falling or if the temperature stops rising and does not reach 38°F.

b. Protection: Prior to applying protection, cure all concrete pavement and curb/gutters, including exposed edges of the pavement and curb. In addition, protect concrete less than 36 hours old as follows:

Night Temperature Forecast	Type of Protection¹
35°F to 32°F	One layer of burlap for concrete.
31°F to 25°F	Two layers of burlap or one layer of plastic on one layer of burlap.
Below 25°F	Four layers of burlap between layers of 4 mil plastic or equivalent commercial insulating material approved by the Engineer.

¹ Keep protection in place until one of the following conditions is met:

- a. The pavement is 5 calendar day old
- b. 4,000 psi strength is attained.
- c. Forecasted low temperatures exceed 35°F for the next 48 hours.
- d. Forecasted high temperatures exceed 55°F for the next 24 hours and subgrade temperatures are above 40°F.

1) Shut down paving operations in time to comply with protection requirements outlined above. During cold weather, allow more time for

finishing and protection. Perform all finishing and covering operations prior to darkness.

2) Equivalent commercial insulating material approved by the Engineer may be used. This material must be waterproof and have a minimum R value of 1.0. If initial set has not yet occurred, place a layer of burlap on top of concrete prior to placing insulating blankets.

3) Use a method of protection and materials that will maintain the concrete temperature above 40°F.

C. Payment: Payment will be made in accordance with Section 01270, Measurement and Payment. No additional payment will be made for curing and required cold weather protection but shall be incidental to the bid unit price for concrete pavement protection but shall be incidental to the bid unit price for concrete pavement.