

FEDERAL PROJECT NOS. CMAQ-5417(603)  
& STP-5417(604)  
BPS PROJECT NO. 2019-40-098

CITY OF SAINT LOUIS

DEPARTMENT OF THE PRESIDENT, BOARD OF PUBLIC SERVICE

\*\*\*\*\*

ADDENDUM NO. 1

TO

PLANS AND SPECIFICATIONS

FOR

**JEFFERSON AVE / 22<sup>ND</sup> ST. CORRIDOR IMPROVEMENTS**

ST. LOUIS, MISSOURI

DATE: 1/11/22  
LETTING NUMBER: 8739

The following changes and additions shall be made in the plans and to the estimate. The cost thereof shall be included in the proposals submitted by the bidders.

**Acknowledgement of receipt of this addendum must be included on the bid proposal.**

**ADDENDUM TO THE ITEMIZED BID FORM**

- Change the description of Item 9016111 from "Pull Box, Preformed Class 2" to "Pull Box, Preformed Class 1". There is no change to the bid quantity of this line item.
- Add the following line item to the contract "Item 9029902, Hinged Signal Mast Arms, 6 Each"

**\*\*NOTE: These revisions to the itemized bid list were not updated prior to the bid packages being mailed out to prospective bidders. Bidders must print up and complete the attached Bid Form (10 pages) AND ALSO acknowledge receipt of Addendum #1 at the bottom of the bid form.\*\***

## ADDENDUM TO THE JOB SPECIAL PROVISIONS

- Revise JSP #68 to delete all references to Parcel #14. The City has acquired all land rights needed from Parcel #14 for this project.
- Replace JSP-45 with the revised JSP-45 included with this addendum (revisions highlighted in green).
- Replace JSP-56 with the revised JSP-56 included with this addendum (revisions highlighted in green).
- Add the attached JSP-73 "Hinged Signal Mast Arm" to the project specifications.

## CLARIFICATIONS

- Market Street is a parade route that requires mast arms to be able to rotate out of the way during events. There are a total of 6 mast arms in this contract that will extend over Market (locations are provided in JSP-73). The line item for "Hinged Signal Mast Arm" that is being added to the contract with this addendum is to only pay for the material, labor, and incidental costs related to the installation of the hinges. The cost for the hinges is in addition to the installation costs of the mast arm, which will still be paid for by the appropriate line item for that mast arm (e.g. The installation of the mast arm at the southeast corner of Market and 20<sup>th</sup> will be paid for by "Item 9023245 Post, Type C, 45 Ft. Arm" and the hinge will be paid for by "Item 9029902, Hinged Signal Mast Arms")

## SUBMITTED QUESTIONS AND ANSWERS

- Q:** Will the Water Department perform any work related to the relocation of hydrants, and will there be a charge for it?
- A:** The Water Department will be responsible for installing new taps, destroying old taps, and refurbishing the existing fire hydrants. The contractor will be responsible for all other work associated with the hydrant removal and relocation. The Water Department will invoice the contractor directly for their work performed. There is no direct line item to reimburse the contractor for the Water Department's costs, the price of which should be included in the contractor's line item unit price. The Water Department will invoice the contractor for their actual manhours/material costs incurred. If the invoiced amount is greater or less than the provided estimated costs, a positive or negative change order will be prepared to accurately compensate the contractor for the invoiced amount. The estimated cost of the Water Department's work per item is as follows:
- 6059906 Remove and Relocate Ex. Fire Hydrant - **\$10,600.00/each**. Price includes the Water Department capping out the existing fire hydrant control valve, cutting in a new control valve, and refurbishing the existing fire hydrant. The Contractor will be responsible for all other work associated with hydrant relocation including, but not limited to, excavation, installation of new service lines, backfill, and installation of the hydrant.

- TBR Fire Hydrant - **\$2,000.00/each**. There is one existing fire hydrant on Market Street (Station 125+40 left) that will be removed and returned to the Water Department. There is no direct line item for this work, the cost of which is incidental to the “2022010 Removal of Improvements” line item. The Water Department will cap out the existing valve and recover the fire hydrant. The contractor will be responsible for all other work associated with the removal of the hydrant including, but not limited to, excavation, backfill, and street restoration.

**Q:** Will the Water Department perform any work related to the valve boxes or meters being adjusted to grade?

**A:** No. Per JSP-14, this work will be performed entirely by the contractor and paid for by the unit prices of the respective line items.

**Q:** Will permits be needed from Union Pacific Railroad and/or Metro?

**A:** UPRR – City of St. Louis personnel will be responsible for verifying permanent clearances over the tracks. It is assumed that all improvements to the Jefferson Bridge median will be performed from the bridge deck. If the contractor has no need to work from below the bridge, a UPRR permit will not be required. If the contractor’s work plan includes work or staging from below the bridge, the contractor will need to acquire a UPRR permit.

Metro – Portions of the work for construction of the multi-use path are within the Metrolink operating ROW, therefore the contractor will be required to apply for a Metro permit. During Metro’s review and approval of the plans, Metro did not state any requirement for work to be performed with flagging, single tracking, or ARS-BRS. However, Metro’s Operation Control Center has final authority on all decisions regarding flagging/track restrictions based on the contractor’s submitted work plan.

**Q:** Will the contractor be required to pay MSD permitting fees, or are they waived on this project?

**A:** There is a \$15,607.80 permit fee from MSD on this project. MSD will bill the drain layer directly. There is no direct line item reimbursement for this permit fee, the cost of which shall be considered incidental to the overall project cost.

**Q:** Part 3 of JSP -25 for MMA striping states “all markings on concrete surfaces shall receive a base coat application”. Is the base coat a primer or an additional layer of pigmented coat?

**A:** The base coat is the manufacturer’s recommended primer.

END OF ADDENDUM NO. 1

**Attachments:**

Revised Bid Form (10 pages)

Revised JSP-45 (1 page)

Revised JSP-56 (1 page)

JSP-73 (1 page)

Pre-bid meeting minutes (3 pages)

Special Notice to Contractors (1 page)

Overview of construction stages 1-4 (1 page)

**LETTING NO. 8739 Revised per addendum 1 (1/11/2022)**

**PROPOSAL FOR PUBLIC WORK**

**CITY OF ST. LOUIS  
BOARD OF PUBLIC SERVICE**

Bids will be received until 1:45 p.m. ST. LOUIS, MISSOURI TIME, TUESDAY, JANUARY 18, 2022

The undersigned herewith proposes to

JEFFERSON AVENUE/22nd STREET CORRIDOR IMPROVEMENTS

FEDERAL PROJECT NUMBERS:  
CMAQ-5417(604) & STP-5417(604)  
ST. LOUIS, MISSOURI

in accordance with the provision of various Ordinances authorizing the work to be done, and in accordance with the form of contract and specifications for said work, and upon the acceptance of this proposal, to execute in the form aforesaid, articles of agreement for the same, for the following prices:

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>CMAQ QTY.</u>	<u>STP QTY.</u>	<u>TOTAL BID QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
<b><u>ROADWAY ITEMS</u></b>							
2019901	Clearing and Grubbing	0.6	0.4	1	LS	\$ _____	\$ _____
2022010	Removal of Improvements	0.6	0.4	1	LS	\$ _____	\$ _____
2029903	Removal of Existing Granite Curb	1889	2308	4197	LF	\$ _____	\$ _____
2029906	Removal of Pavement	9055	9203	18258	SY	\$ _____	\$ _____
2029908	Landscape Median Removal	0	1004	1004	SY	\$ _____	\$ _____
2029909	Landscape Median Removal (Bridge)	0	958	958	SY	\$ _____	\$ _____
2031000	Class A Excavation	5333	5033	10366	CY	\$ _____	\$ _____
2035500	Embankment in Place	2383	0	2383	CY	\$ _____	\$ _____
2036000	Compacting Embankment	5788	3023	8811	CY	\$ _____	\$ _____
2039907	Excavation and Backfill for Unsuitable Material	240	170	410	CY	\$ _____	\$ _____
3040143	Type 1 Aggregate for Base (4 In. Thick)	2524	3231	5755	SY	\$ _____	\$ _____
3040163	Type 1 Aggregate for Base (6 In. Thick)	10360	9347	19707	SY	\$ _____	\$ _____
3040183	Type 1 Aggregate for Base (8 In. Thick)	0	2784	2784	SY	\$ _____	\$ _____
4011209	Bituminous Pavement Mixture PG64-22, (BP-1)	34.8	1245.1	1280	TON	\$ _____	\$ _____
4039910A	Misc. High Tensile Strength Synthetic Fiber Asphaltic Concrete Mixture PG 70-22 (SP095C Mix)	690.8	1103.2	1794	TON	\$ _____	\$ _____
4039910B	Misc. High Tensile Strength Synthetic Fiber Asphaltic Concrete Mixture PG 70-22 (SP125CLP Mix)	1276.3	2308.1	3584.4	TON	\$ _____	\$ _____
4071005	Tack Coat	310	990	1300	GAL	\$ _____	\$ _____
5024009	Concrete Base (9 In. Non-Reinforced)	1680.4	1334.8	3015.2	SY	\$ _____	\$ _____

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5021108	Concrete Pavement (8 In. Non-Reinforced)	175.8	238.6	<b>414.4</b>	SY	\$ _____	\$ _____
5021109	Concrete Pavement (9 In. Non-Reinforced)	3297.4	3184.1	<b>6481.5</b>	SY	\$ _____	\$ _____
5029905	Concrete Pavement (9 In. Non- Reinforced), High Early Strength	5969.7	4774.1	<b>10743.8</b>	SY	\$ _____	\$ _____
5029906	Concrete Pavement (10 In. Non-Reinforced), High Early Strength	577.6	1056.0	<b>1633.6</b>	SY	\$ _____	\$ _____
6042010	Adjusting Manhole	22	32	<b>54</b>	EACH	\$ _____	\$ _____
6049902	Replace Precast Stone and Adjust to Grade	11	21	<b>32</b>	EACH	\$ _____	\$ _____
6049906	Remove and Relocate Ex. Fire Hydrant	13	7	<b>20</b>	EACH	\$ _____	\$ _____
6049908	Adjusting City Utility Manhole	6	2	<b>8</b>	EACH	\$ _____	\$ _____
6049908	City of St. Louis Water Division, Water Service Meter Box	9	14	<b>23</b>	EACH	\$ _____	\$ _____
6049908	City of St. Louis Water Division, Adjust Water Service Meter Box to Grade	35	52	<b>87</b>	EACH	\$ _____	\$ _____
6049908	City of St. Louis Water Division, Water Valve Box	6	5	<b>11</b>	EACH	\$ _____	\$ _____
6049908	City of St. Louis Water Division, Adjust Water Valve Box to Grade	9	16	<b>25</b>	EACH	\$ _____	\$ _____
6071011A	Chain-Link Fence (48")	730	0	<b>730</b>	LF	\$ _____	\$ _____
6083006	6 In. Concrete Median Strip	0	232.9	<b>232.9</b>	SY	\$ _____	\$ _____
6083008	8 In. Concrete Median strip	69.2	0	<b>69.2</b>	SY	\$ _____	\$ _____
6085007	Paved Approach, 7 In.	241	489	<b>730</b>	SY	\$ _____	\$ _____
6085008	Paved Approach, 8 In.	0	38	<b>38</b>	SY	\$ _____	\$ _____
6089905	Paved Approach, 7 In., High Early Strength	289	748	<b>1037</b>	SY	\$ _____	\$ _____
6089906	Paved Approach, 8 In., High Early Strength	0	186	<b>186</b>	SY	\$ _____	\$ _____
6099903	Concrete Curb (6 In. Height and Under) Type S	937	2565	<b>3502</b>	LF	\$ _____	\$ _____
6099904	Integral Curb (6 In. Height and Under) Type A	4084	3006	<b>7090</b>	LF	\$ _____	\$ _____
6099905	Relocated Granite Curb	265	1592	<b>1857</b>	LF	\$ _____	\$ _____
6099906	Concrete Curb and Gutter, Type A	582	0	<b>582</b>	LF	\$ _____	\$ _____
6099908	Concrete Curb Low Profile Type F	153	0	<b>153</b>	LF	\$ _____	\$ _____
6099909	Concrete Curb Wall (Variable Height and 8 Inch Wide)	30	0	<b>30</b>	LF	\$ _____	\$ _____

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6099910	Concrete Curb (6 In. Height and 18 INCH Wide)	29	0	29	LF	\$ _____	\$ _____
6099904	Wheel Stops	0	2	2	EACH	\$ _____	\$ _____
6099905	6" Bollard	0	10	10	EACH	\$ _____	\$ _____
6099906	12" Bollard	1	0	1	EACH	\$ _____	\$ _____
6099908	Decorative Fence	34	370	404	LF	\$ _____	\$ _____
6099909	Brick Masonry Column	1	0	1	EACH	\$ _____	\$ _____
6099910	Automatic Electric Drive / Security Gate	0	1	1	EACH	\$ _____	\$ _____
6099911	Trash Enclosure with Double Gate	0	1	1	LS		\$ _____
6096020	Furnishing Type 2 Rock Ditch Liner	0	17	17	CY	\$ _____	\$ _____
6096042	Placing Type 2 Rock Ditch Liner	0	17	17	CY	\$ _____	\$ _____
6159901	Office for Engineer	14	10	24	MO	\$ _____	\$ _____
6161005	Construction Signs	272	272	544	SF	\$ _____	\$ _____
6161025	Channelizer (Trim Line)	200	200	400	EACH	\$ _____	\$ _____
6161031	Type III Moveable Barricades with Lights	16	16	32	EACH	\$ _____	\$ _____
6161040	Flashing Arrow Panel	4	4	8	EACH	\$ _____	\$ _____
6161098A	Changeable Message Sign without Communication Contractor Interface, Furnished, Contractor Retained	3	3	6	EACH	\$ _____	\$ _____
6181000	Mobilization	0.6	0.4	1	LS		\$ _____
6207001	Pavement Marking Removal	2904	1617	4521	LF	\$ _____	\$ _____
6207002	Pavement Marking Removal (Symbols)	23	10	33	EACH	\$ _____	\$ _____
6269910	4" Wide Solid White Line (MMA)	7436	16204	23640	LF	\$ _____	\$ _____
6269911	4" Double Yellow Centerline (MMA)	7787	11390	19177	LF	\$ _____	\$ _____
6269912	4" Wide Solid Yellow Line (MMA)	158	3877	4035	LF	\$ _____	\$ _____
6269913	12" Wide Solid White Line (MMA)	20	171	191	LF	\$ _____	\$ _____
6269914	24" Stop Bar (MMA)	315	818	1133	LF	\$ _____	\$ _____
6269915	6' Wide Crosswalk (MMA, 2' Bar, 2' Gap)	36	36	72	LF	\$ _____	\$ _____
6269916	9' Wide Crosswalk (MMA, 2' Bar, 3' Gap)	1062	2437	3499	LF	\$ _____	\$ _____
6269917	20' Wide Bicycle Conflict Markings (MMA, 2' BAR, 3' GAP)	394	320	714	LF	\$ _____	\$ _____
6269918	4" Wide Dashed White Line (MMA, 2' Segment, 2' Gap)	0	1263	1263	LF	\$ _____	\$ _____

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6269919	4" Wide Dashed White Line (MMA, 2' Segment, 3' Gap)	208	194	402	LF	\$ _____	\$ _____
6269920	4" Wide Dashed White Line (MMA, 10' Segment, 30' Gap)	260	3131	3391	LF	\$ _____	\$ _____
6269921	4" Wide Dashed Yellow Line (MMA, 2' Segment, 3' Gap)	50	24	74	LF	\$ _____	\$ _____
6269922	4" Wide Dashed Yellow Line (MMA, 3' Segment, 9' Gap)	548	282	830	LF	\$ _____	\$ _____
6269923	4" Wide Dashed Yellow Line (MMA, 10' Segment, 30' Gap)	0	720	720	LF	\$ _____	\$ _____
6269924	4" Wide White Hatching (MMA, 4' Spacing O.C.)	48	77	125	LF	\$ _____	\$ _____
6269925	8" Wide White Hatching (MMA, 10' Spacing O.C.)	0	91	91	LF	\$ _____	\$ _____
6269926	8" Wide White Hatching (MMA, 6' Spacing O.C.)	0	423	423	LF	\$ _____	\$ _____
6269927	8" Wide White Hatching (MMA, 50' Spacing O.C.)	30	47	77	LF	\$ _____	\$ _____
6269922	8" Wide Yellow Hatching (MMA, 10' Spacing O.C.)	0	70	70	LF	\$ _____	\$ _____
6269929	8" Wide Yellow Hatching (MMA, 20' Spacing O.C.)	275	326	601	LF	\$ _____	\$ _____
6269930	Green Bicycle Areas (MMA; Bike Box, Bike Lane Intersections)	846	1563	2409	SF	\$ _____	\$ _____
6269931	20' Wide Crosswalk (MMA, 2' Bar, 3' Gap)	0	220	220	LF	\$ _____	\$ _____
6269932	8" Wide White Chevron Marking (MMA)	0	457	457	LF	\$ _____	\$ _____
6269933	Left Turn Lane Arrow (Preformed Thermoplastic)	65	0	65	EACH	\$ _____	\$ _____
6269934	Right Turn Lane Arrow (Preformed Thermoplastic)	12	0	12	EACH	\$ _____	\$ _____
6269935	Through Arrow (Preformed Thermoplastic)	7	0	7	EACH	\$ _____	\$ _____
6269936	Through/Left Turn Lane Arrow (Preformed Thermoplastic)	2	0	2	EACH	\$ _____	\$ _____
6269937	Through/Right Turn Lane Arrow (Preformed Thermoplastic)	14	0	14	EACH	\$ _____	\$ _____
6269938	Bike Lane Marking with Arrow (MMA)	37	0	37	EACH	\$ _____	\$ _____
6269939	Shared Lane Marking (Preformed Thermoplastic)	4	0	4	EACH	\$ _____	\$ _____
6269940	Bicyclist Marking (MMA)	9	0	9	EACH	\$ _____	\$ _____

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6269941	Pedestrian Marking (Preformed Thermoplastic)	6	0	6	EACH	\$ _____	\$ _____
6269942	Yield Line Marking (Preformed Thermoplastic; 12"x18")	40	0	40	EACH	\$ _____	\$ _____
6269943	Yield Line marking (Preformed Thermoplastic; 24"x37")	14	0	14	EACH	\$ _____	\$ _____
6269944	Chevron Marking (Preformed Thermoplastic)	16	0	16	EACH	\$ _____	\$ _____
6269945	Bicyclist Marking with Left Turn Arrow (MMA)	2	0	2	EACH	\$ _____	\$ _____
6269946	Accessible Parking Space Marking (Preformed Thermoplastic)	13	0	13	EACH	\$ _____	\$ _____
6269947	"Bus Only" Marking (Preformed Thermoplastic)	1	0	1	EACH	\$ _____	\$ _____
6269949	Roadway Signs	117	343	460	SF	\$ _____	\$ _____
6269949	Ground Mounted Sign Posts	25	54	79	EACH	\$ _____	\$ _____
6221001	Coldmilling Bituminous Pavement for Removal of Surfacing (3" or Less)	12920	27238	40158	SY	\$ _____	\$ _____
6233000	Epoxy Polymer Wearing Surface	0	3389	3389	SY	\$ _____	\$ _____
6249905	Biaxial Geogrid	10191	6973	17164	SY	\$ _____	\$ _____
6274000	Contractor Furnished Surveying and Staking	0.6	0.4	1	LS	\$ _____	\$ _____
7034420	Raised Median Barrier	0	3318	3318	SF	\$ _____	\$ _____
7269903	12 In. Pipe	248	475	723	LF	\$ _____	\$ _____
7269904	12 In. Class V RCP Pipe	44	0	44	LF	\$ _____	\$ _____
7269905	15 In. Pipe	60	125	185	LF	\$ _____	\$ _____
7269906	18 In. Pipe	0	19	19	LF	\$ _____	\$ _____
7269907	12 In. PVC	483	302	785	LF	\$ _____	\$ _____
7269908	15 In. PVC	20	0	20	LF	\$ _____	\$ _____
7269909	18 In. PVC	90	0	90	LF	\$ _____	\$ _____
7269910	Connection to Existing Structure	7	6	13	EACH	\$ _____	\$ _____
7269911	MSD Curb Inlet, Trapped	9	7	16	EACH	\$ _____	\$ _____
7269912	MSD Curb Inlet, Untrapped	7	4	11	EACH	\$ _____	\$ _____
7269913	MSD Double Curb Inlet, Trapped	6	2	8	EACH	\$ _____	\$ _____
7269914	MSD Double Curb Inlet, Untrapped	0	2	2	EACH	\$ _____	\$ _____



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7269915	MSD Area Inlet, Single, Trapped	2	0	2	EACH	\$ _____	\$ _____
7269916	MSD Area Inlet, Single, Untrapped	1	0	1	EACH	\$ _____	\$ _____
7269917	MSD Grated Inlet, Trapped	0	2	2	EACH	\$ _____	\$ _____
7269918	MSD Grated Inlet, with Side Intake, Trapped	0	1	1	EACH	\$ _____	\$ _____
7269919	MSD Manhole	10	7	17	EACH	\$ _____	\$ _____
7269920	Convert Manhole to Curb Inlet and Adjust to Grade	0	1	1	EACH	\$ _____	\$ _____
7269921	Convert Curb Inlet to Manhole and Adjust to Grade	3	2	5	EACH	\$ _____	\$ _____
7269922	Convert Grate Inlet to Curb Inlet and Adjust to Grade	0	1	1	EACH	\$ _____	\$ _____
7269923	Convert Grate Inlet to Manhole and Adjust to Grade	1	0	1	EACH	\$ _____	\$ _____
80610005	Rock Ditch Check	40	60	100	LF	\$ _____	\$ _____
80610007A	Curb Inlet Check	72	55	127	EACH	\$ _____	\$ _____
8061016	Sediment Removal	74	58	132	CY	\$ _____	\$ _____
8061019	Silt Fence	1600	2240	3840	LF	\$ _____	\$ _____
8069901	Storm Water Pollution Prevention Plan	0.6	0.4	1	LS	\$ _____	\$ _____
<b>SUBTOTAL - ROADWAY ITEMS</b>							\$ _____
<b><u>TRAFFIC SIGNALS ITEMS</u></b>							
9011115	Bracket Arm, 15 Ft.	4	0	4	EACH	\$ _____	\$ _____
9023130	Post, Type CL, 30 Ft. Arm	1	0	1	EACH	\$ _____	\$ _____
9023150	Post, Type CL, 50 Ft. Arm	2	0	2	EACH	\$ _____	\$ _____
9023155	Post, Type CL, 55 Ft. Arm	1	0	1	EACH	\$ _____	\$ _____
9023225	Post, Type C, 25 Ft. Arm	1	0	1	EACH	\$ _____	\$ _____
9023230	Post Type C, 30 Ft. Arm	5	0	5	EACH	\$ _____	\$ _____
9023235	Post, Type C, 35 Ft. Arm	7	0	7	EACH	\$ _____	\$ _____
9023240	Post, Type C, 40 Ft. Arm	1	0	1	EACH	\$ _____	\$ _____
9023245	Post, Type C, 45 Ft. Arm	4	0	4	EACH	\$ _____	\$ _____
9023255	Post, Type C, 55 Ft. Arm	3	0	3	EACH	\$ _____	\$ _____
9020213	Signal Head, Type 3S, LED	2	0	2	EACH	\$ _____	\$ _____
9020215	Signal Head, Type 5S, LED	1	0	1	EACH	\$ _____	\$ _____

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9020513	Signal Head, Type 3B, LED	49	0	49	EACH	\$ _____	\$ _____
9020514	Signal Head, Type 4B, LED	3	0	3	EACH	\$ _____	\$ _____
9020515	Signal Head, Type 5B, LED	12	0	12	EACH	\$ _____	\$ _____
9020811	Signal Head, Type 1S, Pedestrian	53	0	53	EACH	\$ _____	\$ _____
9022651	Luminaire, LED-A, 120 Volt Compatible	4	0	4	EACH	\$ _____	\$ _____
9022708	Signal Post, 8 Ft.	21	0	21	EACH	\$ _____	\$ _____
9024283	Controller Assembly Housing, NEMA TS2 Controller	6	0	6	EACH	\$ _____	\$ _____
9025200	Conduit, 2" Trench w/Trace Wire	2870	0	2870	LF	\$ _____	\$ _____
9025300	Conduit, 3" Trench w/Trace Wire	645	0	645	LF	\$ _____	\$ _____
9025400	Conduit, 4" Trench w/Trace Wire	110	0	110	LF	\$ _____	\$ _____
9027200	Conduit, 2" Pushed w/Trace Wire	1972	0	1972	LF	\$ _____	\$ _____
9027300	Conduit, 3" Pushed w/Trace Wire	1461	0	1461	LF	\$ _____	\$ _____
9028100	Cable, 10 AWG 1 Conductor, Pole, & Bracket	400	0	400	LF	\$ _____	\$ _____
9028310	Cable, 16 AWG 5 Conductor	8940	0	8940	LF	\$ _____	\$ _____
9028311	Cable, 16 AWG 7 Conductor	13460	0	13460	LF	\$ _____	\$ _____
9028620	Power Supply Cabinet	5	0	5	EACH	\$ _____	\$ _____
9028811	Preformed, Pull Box Class 2	24	0	24	EACH	\$ _____	\$ _____
9028812	Preformed, Pull Box Class 3	6	0	6	EACH	\$ _____	\$ _____
9028816	Preformed, Pull Box Class 5	4	0	4	EACH	\$ _____	\$ _____
9029100	Base, Concrete	89	0	89	CY	\$ _____	\$ _____
9029902	APS System (Intersection)	7	0	7	EACH	\$ _____	\$ _____
9029902	Pushbutton Post	25	0	25	EACH	\$ _____	\$ _____
9029902	Drill Pullbox & ATG	7	0	7	EACH	\$ _____	\$ _____
9029902	Pullbox, ATG	2	0	2	EACH	\$ _____	\$ _____
9029902	Wireless Detection System	6	0	6	EACH	\$ _____	\$ _____
9029902	ATMS Software	1	0	1	EACH	\$ _____	\$ _____
9029902	Relocate Signal and ITS Equipment	1	0	1	EACH	\$ _____	\$ _____
9029902	Traffic Signal Maintenance & Programming	1	0	1	EACH	\$ _____	\$ _____
9029902	Integrate Equipment Into RTCC	1	0	1	EACH	\$ _____	\$ _____

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>CMAQ QTY.</u>	<u>STP QTY.</u>	<u>TOTAL BID QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
9029902	APS Pushbutton Cables	8880	0	<b>8880</b>	LF	\$ _____	\$ _____
9029902	Hinged Signal Mast Arms	6	0	<b>6</b>	EACH	\$ _____	\$ _____
9029903	Fiber Optic Cable, 48SM/24MM	9130	0	<b>9130</b>	LF	\$ _____	\$ _____
9029903	SH-Flat Sheet	244.1	0	<b>244.1</b>	SF	\$ _____	\$ _____
9035004A	PTZ Camera	5	0	<b>5</b>	EACH	\$ _____	\$ _____
9103700	Rugged Network Switch (1000 Series)	13	0	<b>13</b>	EACH	\$ _____	\$ _____
9109902	Rugged Network Switch (4000 Series)	2	0	<b>2</b>	EACH	\$ _____	\$ _____
<b>SUBTOTAL - TRAFFIC SIGNAL ITEMS</b>							<b>\$ _____</b>
<b><u>BICYCLE ITEMS</u></b>							
3040143	Type 1 Aggregate for Base (4 In. Thick)	1193	0	<b>1193</b>	SY	\$ _____	\$ _____
3040183	Type 1 Aggregate for Base (8 In. Thick)	2465	0	<b>2465</b>	SY	\$ _____	\$ _____
4011209	Bituminous Pavement Mixture PG64-22, (BP-1)	561	0	<b>561</b>	TON	\$ _____	\$ _____
6089907	Concrete Sidewalk, 5 In.	147.6	0	<b>147.6</b>	SY	\$ _____	\$ _____
6089908	Colored Stamped Concrete Sidewalk, 5 In.	263.2	0	<b>263.2</b>	SY	\$ _____	\$ _____
6089909	Multi-Use Path Concrete Header	3170	0	<b>3170</b>	LF	\$ _____	\$ _____
6179902	Tubular Delineator Post	19	0	<b>19</b>	EACH	\$ _____	\$ _____
6179903	Cycle Track Barrier	1115	0	<b>1115</b>	LF	\$ _____	\$ _____
6179904	Bike Lane Separator	39	0	<b>39</b>	EACH	\$ _____	\$ _____
<b>SUBTOTAL - BICYCLE ITEMS</b>							<b>\$ _____</b>
<b><u>LANDSCAPING/STREETSCAPING ITEMS</u></b>							
8031000A	Turf Type Tall Fescue Sodding	4143	10413	<b>14556</b>	SY	\$ _____	\$ _____
8049905A	Mulch	9.7	21.6	<b>31.3</b>	CY	\$ _____	\$ _____
8049908	Planting Soil	44	98	<b>142</b>	CY	\$ _____	\$ _____
805100A	Seeding - Cool Season Mixtures	0.8	0	<b>0.8</b>	ACRE	\$ _____	\$ _____
8089902	Freeman Maple	23	23	<b>46</b>	EACH	\$ _____	\$ _____
8089905	Skyrocket English Oak	21	21	<b>42</b>	EACH	\$ _____	\$ _____
8089908	London Plane Tree	0	27	<b>27</b>	EACH	\$ _____	\$ _____
8089909	Kentucky Coffee Tree	0	27	<b>27</b>	EACH	\$ _____	\$ _____
<b>SUBTOTAL - LANDSCAPING/STREETSCAPING ITEMS</b>							<b>\$ _____</b>

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>CMAQ QTY.</u>	<u>STP QTY.</u>	<u>TOTAL BID QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
<b><u>PEDESTRIAN FACILITIES ITEMS</u></b>							
3040143	Type 1 Aggregate for Base (4 In. Thick)	6853	7723	14576	SY	\$ _____	\$ _____
6081010	Concrete Curb Ramp	708	171	879	SY	\$ _____	\$ _____
6081012	Truncated Domes	1265	218	1483	SF	\$ _____	\$ _____
6089910	Concrete Sidewalk, 5 In.	5808	6788	12596	SY	\$ _____	\$ _____
6089911	Bus Shelter	1	1	2	EACH	\$ _____	\$ _____
<b>SUBTOTAL - PEDESTRIAN FACILITIES ITEMS</b>							<b>\$ _____</b>
<b><u>STREET LIGHTING ITEMS</u></b>							
9011106	Bracket Arm, 6 Ft	25	53	78	EACH	\$ _____	\$ _____
9011108	Bracket Arm, 8 Ft	0	4	4	EACH	\$ _____	\$ _____
9013002	Conduit, 2" Rigid, In Trench	6012	9589	15601	LF	\$ _____	\$ _____
9014002	Conduit, 2" Rigid, Pushed	50	110	160	LF	\$ _____	\$ _____
9014003	Conduit, 3" Rigid, Pushed	318	1105	1423	LF	\$ _____	\$ _____
9016111	Pull Box, Preformed Class 1	20	39	59	EACH	\$ _____	\$ _____
9017006	Cable, 6 AWG 1 Conductor	10150	23786	33936	LF	\$ _____	\$ _____
9017110	Pole & Bracket Cable	2505	4590	7095	LF	\$ _____	\$ _____
9017206	Wire, 6 AWG, Bare Neutral	5080	11913	16993	LF	\$ _____	\$ _____
9019902	Parking Lot Lighting System	0	1	1	EACH	\$ _____	\$ _____
9019905	Pedestrian Light Pole & Luminaire	27	0	27	EACH	\$ _____	\$ _____
9019906	City Roadway Light Pole	25	48	73	EACH	\$ _____	\$ _____
9019907	City LED Fixture	0	5	5	EACH	\$ _____	\$ _____
9019908	Smart LED Assembly	25	51	76	EACH	\$ _____	\$ _____
9019909	Lighting Substation, Pole Mounted	1	3	4	EACH	\$ _____	\$ _____
9019910	Drill Exist. Pullbox & ATG	0	1	1	EACH	\$ _____	\$ _____
<b>SUBTOTAL - STREET LIGHTING ITEMS</b>							<b>\$ _____</b>
<b><u>MISCELLANEOUS (NON-FEDERALLY FUNDED) ITEMS</u></b>							
6099910	Parking Meter Removal and Out of Service Fee			47	EACH	\$ _____	\$ _____
6099911	Pay Station Removal Fee			6	EACH	\$ _____	\$ _____
<b>SUBTOTAL - MISCELLANEOUS (NON-FEDERALLY FUNDED) ITEMS</b>							<b>\$ _____</b>

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>CMAQ</u> <u>QTY.</u>	<u>STP</u> <u>QTY.</u>	<u>TOTAL</u> <u>BID QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
<b><u>SUMMARY</u></b>							
	SUBTOTAL - ROADWAY ITEMS						\$ _____
	SUBTOTAL - TRAFFIC SIGNAL ITEMS						\$ _____
	SUBTOTAL - BICYCLE ITEMS						\$ _____
	SUBTOTAL - LANDSCAPING/STREETSCAPING ITEMS						\$ _____
	SUBTOTAL - PEDESTRIAN FACILITIES ITEMS						\$ _____
	SUBTOTAL - STREET LIGHTING ITEMS						\$ _____
	SUBTOTAL - MISCELLANEOUS (NON-FEDERALLY FUNDED) ITEMS						\$ _____
							<b>TOTAL BID AMOUNT</b> \$ _____
	OJT Training Special Provision			<u>1000</u>	Hours	<u>\$10.00</u>	<u>\$10,000.00</u>

Addenda to the documents are included in the above amounts and receipt thereof is acknowledged as follows:  
(insert numbers of Addenda received, if any).

Addendum No.:

Date:

**JSP – 45**  
**JOB SPECIAL PROVISIONS – Wireless Detection System**

(Job Special Provisions shall prevail over General Provisions whenever in conflict therewith.)

**WIRELESS DETECTION SYSTEM**

**PART 1 - DESCRIPTION**

This item shall consist of furnishing and installing a wireless detection system suitable for vehicle ~~and bicycle~~ stop bar detection as well as data collection. All equipment necessary for a fully functional system shall be installed, including but not limited to, in-pavement wireless sensors, ~~micro-radar sensors~~, APCCs, SPP radios, repeaters, and any other hardware/miscellaneous equipment for delivery of a fully functioning stop bar detection system. **Equipment in the signal cabinet shall be connected via SDLC.** Data collected from the wireless detectors must be taken back to the City's Traffic Operations Center (TOC) via the existing and proposed fiber optic communication system. Testing of the connection to the City's TOC and demonstration to City personnel of a completely functioning detection system will be required for acceptance. Programming of the City's existing data server must be performed by the equipment manufacturer and will be considered incidental to this pay item. **Coordination with City Traffic personnel prior to equipment installation is required for field verification of exact placement and locations. Total number of in-pavement sensors = 211. Breakdown as follows:**  
Jefferson: Scott (44), Clark (41)  
Market: 22<sup>nd</sup> (36), 21<sup>st</sup> (23), 20<sup>th</sup> (31)  
Olive: 22<sup>nd</sup> (36)

**PART 2 - MATERIALS**

All materials and work shall conform to Section 902 of the Missouri Standard Specifications for Highway Construction, current edition, and the City of St. Louis Traffic Division Standard and Specifications. Catalog cuts and shop drawings of the detection system components must be submitted and approved by the City's inspector prior to procurement.

**PART 3 – METHOD OF MEASUREMENT**

Measurement for this item shall be per each (intersection).

**PART 4 - PAYMENT**

Payment will be considered full compensation for all Contractor services, installation, and labor to complete the described work under the contract unit price under bid item Wireless Detection System.

END OF JOB SPECIAL PROVISION JSP- 45

**JSP – 56**  
**JOB SPECIAL PROVISIONS – Parking Lot Lighting System**

(Job Special Provisions shall prevail over General Provisions whenever in conflict therewith.)

**PARKING LOT LIGHTING SYSTEM**

**PART 1 - DESCRIPTION**

This item shall consist of furnishing and installing a new lighting system for a proposed private parking lot. Procurement of light pole assemblies, cable, conduit, and reconnection to the existing parking lot lighting source are included in this item.

Light poles shall match style of existing parking lot lighting and should meet the following requirements: steel pole with round or squared shaft, 25' height, minimum 0.18" wall thickness, AASHTO LTS 6 design criteria, with bronze powder coat finish.

Light pole foundations may be metal or concrete, to comply with MoDOT Standard Detail 901.00AB.

Luminaires shall match style of existing parking lot lighting: shoe box style with bronze powder coated finish, 185 watt, 240 volt, 4000K color temperature with Type III distribution pattern.

- Pole – Makers Sales & Marketing 30 ft pole in bronze finish, MSN2540AB
- Luminaire – Everlast Encounter Shoe Box Light, 185W/Type III LED (bronze finish)

Catalog cuts and shop drawings of the lighting system and components must be submitted and approved by the City's inspector prior to procurement.

**PART 2 - MATERIALS**

All materials and work shall conform to Section 901 of the Missouri Standard Specifications for Highway Construction, current edition, and the City of St. Louis Traffic Division Standard and Specifications.

**PART 3 – METHOD OF MEASUREMENT**

Measurement for this item shall be per each.

**PART 4 - PAYMENT**

Payment will be considered full compensation for a fully functioning parking lot lighting system, including but not limited to the light pole assemblies cabling, conduit, and coordination with the owner and/or utility company for reestablishment of the existing service connection. All labor and materials shall be included under the contract unit price under bid item Parking Lot Lighting System.

END OF JOB SPECIAL PROVISION JSP- 56

**JSP – 73**  
**JOB SPECIAL PROVISIONS – Hinged Signal Mast Arm**

(Job Special Provisions shall prevail over General Provisions whenever in conflict therewith.)

**HINGED SIGNAL MAST ARM**

**PART 1 - DESCRIPTION**

This item shall consist of providing and installing hinged signal mast arms at the locations specified in this provision. The mast arm must be hinged and capable of swiveling such that the arm can be easily moved and placed back into operation to accommodate parades and other special events (see images from 7<sup>th</sup> & Market below for example).

- Market & 22<sup>nd</sup> (NW & SE quadrants)
- Market & 21<sup>st</sup> (NW & SE quadrants)
- Market & 20<sup>th</sup> (NW & SE quadrants)

**PART 2 - MATERIALS**

All materials and work shall conform to Section 902 of the Missouri Standard Specifications for Highway Construction, current edition, and the City of St. Louis Traffic Division Standard and Specifications. Catalog cuts of the proposed equipment shall be approved by City personnel prior to procurement. Demonstration and testing functionality of the hinged and swiveling mechanisms after installation must be done with City personnel prior to acceptance.

**PART 3 – METHOD OF MEASUREMENT**

Measurement for this item shall be per each.

**PART 4 - PAYMENT**

Payment will be considered full compensation for all Contractor services, installation, and labor to complete the described work under the contract unit price, bid item Hinged Signal Mast Arm.



END OF JOB SPECIAL PROVISION JSP- 73



Pre-Bid Meeting Minutes, 12/21/21

Jefferson Ave / 22<sup>nd</sup> St Corridor Improvements

Federal Project #'s CMAQ-5417(604) & STP5417(605)

Presenters - Kevin Trapp - BPS  
Matt Poirot - BPS  
Ramin Ashrafzadeh –Horner & Shifrin

- This project will reconstruct the City grid system, from Olive to Chouteau and from 20<sup>th</sup> to Jefferson.
- Bids are due by Tuesday, January 18, 2022, at 1:45 pm in Room 301 of City Hall. There is a box on the counter within Room 301 for bids to be deposited. At 1:45, all bids will be collected and delivered to Room 325, where they will be publicly opened and read at the Board of Public Service meeting. There is very limited space available for viewing the bid openings, so contractors are strongly encouraged to instead watch the live stream of the Board meeting. The zoom link for the Board meeting is included in the BPS Agenda, which will be posted on the BPS website the day before the meeting. [www.stlouis-mo.gov/government/departments/public-service/board.cfm](http://www.stlouis-mo.gov/government/departments/public-service/board.cfm)
- The City will mail out bid packets approximately two weeks prior to when bids are due to all plan holders. If it's nearing the bid date and you haven't received a packet, one can be picked up from Helen Bryant in Room 301 of City Hall.
- The packet will include the bid proposal form and an official envelope. Your bids must be submitted in the City's envelope. If they're submitted in anything other than the official envelope, the bid will be rejected. If there are any alterations made to the bid proposal form, it will also be rejected. All addenda issued need to be noted on the bid proposal form. Failure to acknowledge receipt of an addendum will cause the contractor's bid to be rejected. It is recommended that you carefully go through the bidder checklist in the front of the project specifications before submitting your bid.
- If the bid form is revised by addendum after the bid packages have been mailed out, a new bid form will be included with the addendum. In the event this occurs, Contractors will need to print up and fill out the revised bid form, but shall still submit bids in the envelope provided in the bid package. Contractors must still write in acknowledgement of receipt of the addendum at the bottom of the bid form.
- Bidders must submit a bid deposit equal to 5% of the total bid.
- This project has 730 calendar days to complete of work. Liquidated damages have been set at \$4,300.00/day. There are three additional interim milestone completion dates, each with liquidated damages of \$4,300/day.
- This contract requires that all onsite workers be paid prevailing wages. All workers also must have completed the OSHA 10 hours safety training course.
- The DBE goal of this contract is set at 16% of the total contract amount. There is an On the Job goal of 1 trainee for 1,000 hours.

- Questions regarding the plans and specifications must be submitted by January 5, 2022. The bid inquiry form is included as the last page of the project specifications. Questions received on time will be answered via an addendum. Any question received after that will not be answered.
- The contractor will be responsible for obtaining all necessary permits from both the City and MoDOT. The Jefferson/Chouteau intersection is MoDOT owned, and there is also work within the I-64 ROW corridor.
- This project is subject to the Buy America law, which will be strictly enforced on all iron, steel, and steel coating products.
- Night work will be allowed on this project. The City's standard policy for Sunday work is that it is not allowed except for in emergency situations and with advanced approval from the Board of Public Service. On this project, it is assumed there will be instances where Sunday work is necessary. The contractor must give BPS Construction advanced notice of any work being performed outside of normal daytime construction hours so that staffing of the project can be arranged.
- Anticipate the construction Notice to Proceed to be issued mid-late spring of 2022.
  
- Bid form – The bid form is split into three columns of quantities, CMAQ STP and total. The City is required to track the CMAQ/STP quantities for federal reimbursement requests, but the contractor only needs to consider the total quantity of each item. The contractor does not need to track CMAQ and STP quantities separately.
- Adjacent projects – There are multiple projects adjacent to this project that will require coordination with other contractors. There has been extensive coordination of the plans of all projects. Refer to JSP 59 for additional information.
  - MoDOT is reconstructing the on and off ramps to I-64 through the corridor. They are scheduled to have work on the north side of the highway complete by May 2022, and work on the south side complete by December 2022.
  - The City will be bidding a project on Jefferson in early 2022. The Market St intersection is that project's southern limits.
  - The new stadium for the St. Louis City Soccer Club is being constructed north of Market, and additional soccer facilities are being constructed south of Market. In addition, Great Rivers Greenway will be installing a new bike trail on the north side of Market between 20<sup>th</sup> and 22<sup>nd</sup>. Completing the plaza area and bike trail around the stadium is dependent upon this project's curb being installed.
- Staging – In addition to the overall completion date of the project, the contractor will be required to complete work adjacent to the stadium and practice fields within certain time frames. Additional detail is provided in JSP-1.
  - Stage 1A – Construction of 22<sup>nd</sup> Street, from Market to Olive, and the curbs on Market. Also includes signal bases and conduit/pullboxes on the stadium side of Market and of 22<sup>nd</sup>. **120 calendar days** from Notice to Proceed to complete this work.
  - Stage 1B – Construction of the signals at the four signalized intersections adjacent to the stadium, and mill/overlay streets adjacent to the stadium. **240 calendar days** from Notice to Proceed to complete this work.

- Stages 2-4 – Work on 22<sup>nd</sup> Street, from Market to the new MoDOT bridge, and on Clark. See plan sheets C11-1.1 to C11-3.3 for additional details on these stages. **365 calendar days** from Notice to Proceed to complete this work.
- Note that following the completion of Stage 1B, the City will issue a substantial completion letter for the work in Stages 1A/1B and take ownership/maintenance responsibilities of that work. The City will also issue a substantial completion letter and accept ownership/maintenance responsibilities of the work in Stages 2-4 upon completion of Stage 4.
- Parcels – JSP 68 states that there are five parcels that the City is still working to acquire property rights from. Parcel #14 has since been acquired, and Parcel #39 is being finalized at the title company. An addendum will be issued to update the information in JSP 68.
- Owner agreements – JSP 60 details agreements that were made during ROW negotiations with various property owners throughout the corridor. These are contractual agreements that must be adhered to by the contractor during construction.



TISHAURA O. JONES  
MAYOR

***City of St. Louis***  
**DEPARTMENT OF THE PRESIDENT**  
**BOARD OF PUBLIC SERVICE**  
1200 MARKET STREET, ROOM 301  
SAINT LOUIS, MO 63103  
(314) 622-3535



RICHARD T. BRADLEY P.E.  
PRESIDENT

January 11, 2022

## SPECIAL NOTICE TO CONTRACTORS

Subject: Material Shortages/Price Escalation

The purpose of this notice is a reminder to bidders that Section 108.14 of the Missouri Standard Specifications for Highway Construction outlines the allowances for compensable and non-compensable impact costs and risk allocation a contractor could experience during the preparation of bids or that could be experienced over the course of construction.

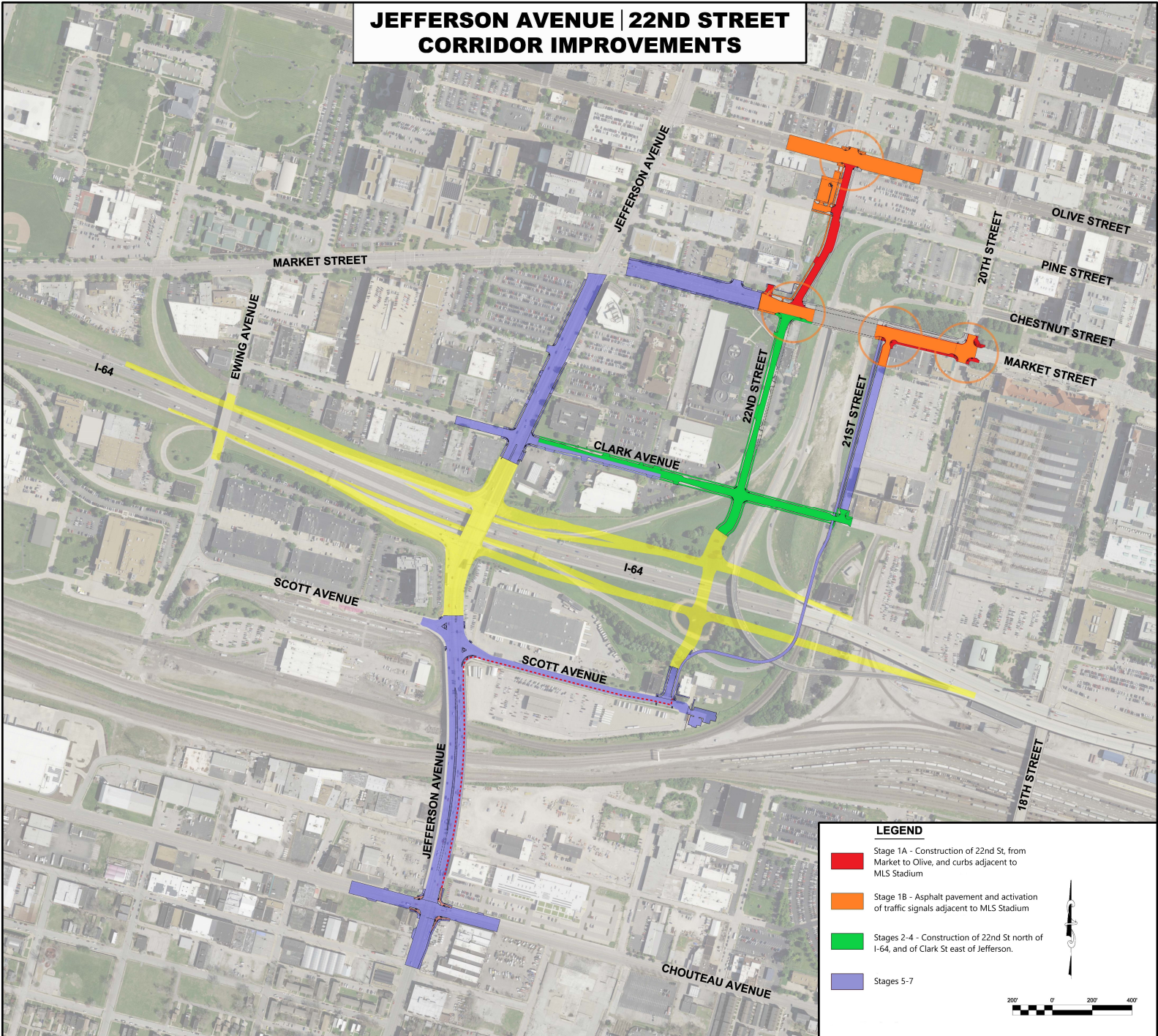
The risk for material and other cost fluctuations, including force majeure situations, rests with the bidding contractor. The remedy for delays caused by material shortages and availability is covered under Specification 108.14.1 "Excusable or Non-Compensable Delay". This specification allows for time extensions only and no costs increases. The City of St. Louis and the Missouri Department of Transportation will require documentation outlining the specifics of these type delays and efforts afforded by the contractor to remedy the situation.

When these types of situations arise for the contractor that is awarded this construction contract, the contractor should contact the City Engineer to discuss the schedule, the revised project schedule, and any potential alternative solutions that may be available for the situation.

Respectfully,

Kevin Trapp, P.E.  
Asst. Chief of Design  
Board of Public Service

# JEFFERSON AVENUE | 22ND STREET CORRIDOR IMPROVEMENTS



**LEGEND**

- Stage 1A - Construction of 22nd St, from Market to Olive, and curbs adjacent to MLS Stadium
- Stage 1B - Asphalt pavement and activation of traffic signals adjacent to MLS Stadium
- Stages 2-4 - Construction of 22nd St north of I-64, and of Clark St east of Jefferson.
- Stages 5-7

