

FEDERAL PROJECT NO. TAP-9901(649)
BPS PROJECT NO. 2018-40-084

CITY OF SAINT LOUIS

DEPARTMENT OF THE PRESIDENT, BOARD OF PUBLIC SERVICE

ADDENDUM NO. 1

TO

PLANS AND SPECIFICATIONS

FOR

LOUISIANA CALM STREETS

ST. LOUIS, MISSOURI

DATE: **9/21/21**

LETTING NUMBER: **8734**

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

- Revise quantities to the following line items;
 - #8, Type 5 Aggregate for Base, 4" - 2,311 SY
 - #10, Detectable Warning Panels - 955 SF
 - #16, PCC Sidewalk, 5" - 987 SY
 - #20, 7" PCC Curb Ramp - 532 SY
 - #27, Cobble Pavement & Concrete Base (4") - 243 SF
 - #28, Cobble Pavement & Concrete Base (6") - 397 SF
 - #29, Concrete (Mini-Circle Walls) - 3 CY

Note: New bid proposal forms will not be mailed out. Bidders must use the revised bid proposal form that is included as an attachment to this addendum.

ADDENDUM TO DRAWINGS

- **Plan Sheets 3A and 4; Revised:** Replace sheets 3A and 4 with the two attached plan sheets. Plan sheets have been revised to update quantities of 6 bid items.
- **Plan Sheet 19 and 21; Revised:** Replace sheets 19 and 21 with the two attached plan sheets. Plan sheets have been revised to delete reference to cold mill for the speed tables at Miami and at Potomac. Removals for diagonal speed tables shall be sawcut and full-depth pavement removal. Removal costs to be incidental to "Removal of Improvements". See Q&A for additional details.
- **Plan Sheet XX; Add:** Add the attached plan sheet "Sheet XX of 116, Concrete Speed Hump Details" to the plans.

SUBMITTED QUESTIONS AND ANSWERS

- Q:** What is the approximate start date for this project?
- A:** Notice to Proceed is estimated to be issued January 2022. This is a working day project, therefore the count of days will not commence until 3/15/22.
- Q:** General Note 17 states Milling & Resurfacing of Exiting Roadway Pavement by Others. Will the cold milling for the speed humps also be completed by Others?
- A:** No, the cold milling for speed humps (5 locations total) is to be completed by the contractor, and the cost of which shall be incidental to line item #4: Removal of Improvements.
- Q:** Mini-Circles (3 ea.) – Demo plan state full depth asphalt pavement removal for these areas. Sheet 93 states mini-circles to be installed on 1.5" milled asphalt. Which situation should we bid for the Circles? If full depth asphalt removal is required, does the asphalt/cobblestone need to be sawcut?
- A:** Assume the situation as stated on Sheet 93 of the plans, and assume omission of the full depth asphalt removal areas.
- Q:** For the 7" PCC curb ramps, where do the ramps start/stop in relation to the 5" PCC sidewalks? No delineation line or shading shown. The document quantities for 5" sidewalk and 7" HC ramps are not consistent with STL City Standard Details on Sheets 37 & 42 showing the 7" concrete shaded.
- A:** Plan details on sheets 96 through 116 show designed grades and breaklines. 7" HC Ramp quantities should be used where grades exceed 5%. 5" PCC Sidewalk can be used everywhere else.
- Q:** Item 21, 6" Concrete Curb Triangle for Bumpouts – What do you want included in this item pricing?

Q: Will an asphalt patch be required at the street areas where concrete fill is required for the overdig?

A: No. All concrete patches placed before the Street Department's milling/paving operations can be poured to final street grade.

Q: The existing sidewalks/HC ramps are both exposed Meramec and standard concrete. Are the new sidewalks to be exposed Meramec or standard concrete?

A: The project intent is for the contractor to match the existing finish color, per General Note 16 on sheet 2 of the plans. HC Ramp finish shall be broom finish per sheet 37 of STL City Standard Details.

Q: At some locations for the hydrant relocation, it looks like concrete sidewalks will need to be removed and replaced, but are not shown on the plans. Is this correct?

A: Replacement of sidewalk necessary to perform Hydrant relocations shall be considered incidental to the bid item "REMOVE AND RELOCATE EXISTING FIRE HYDRANT", as implied within the basis of payment section of the associated JSP.

- Q:** What is the approximate thickness of asphalt and cobblestone/bricks that need to be sawcut at the streets? The detail on Sheet 7 does not show any thicknesses.
- A:** Pavement cores were not taken to confirm thicknesses. It may be reasonable to assume a 6-inch thickness for both.
- Q:** Will the milling of the existing pavement (by others) be completed before this project starts or after all the work is complete?
- A:** The milling/paving of Louisiana will be performed by the City of St. Louis Street Department, mid construction. General Note #17 on Sheet 2 of the plans detail the order in which construction shall proceed and when paving will happen. The general contractor will be responsible for coordinating and scheduling the work with the Street Department.
- Q:** Please provide details for concrete pavement 10" (Speed Bumps – 2 ea.), Item #15.
- A:** Detail is provided on new plan sheet XX, included in this addendum. The thickness of pavement for the speed tables varies from 8" to 11.5". Regardless of thickness, the entirety of the speed tables will be measured to the nearest square yard and paid for at the unit cost of "Concrete Pavement (10" Non-Reinforced)". Speed tables shall be installed on 4" aggregate base, which shall be measured to the nearest square yard and paid for at the unit cost of "Type 5 Aggregate for Base, 4 Inch". No separate payment will be made for pavement sawcutting or full-depth pavement removals, the cost of which shall be incidental to the line item "Removal of Improvements".
- Q:** Item 22 – Please show the exact locations of Reinstall Granite Curbs.
- A:** Reinstalled granite curb will be permitted to be installed, in accordance with JSP 28, at any location in the plans in which Concrete Type S Curb is called out. The quantity provided is based on the amount of existing granite curb anticipated to be displaced due to construction activity.
- Q:** Will the City of St. Louis Water Department perform any work in relation to the relocation of the fire hydrants? If so, how will this work be paid for?
- A:** Work that will be performed directly by the Water Department, and their costs associated with that work, are detailed in the attached email. The Water Department will invoice the contractor directly for their costs. These costs are incidental to the contract and should be included in the unit price of Line Item #26: Remove and Relocate Existing Fire Hydrant.

END OF ADDENDUM NO. 1

Attachments:

Revised bid form (6 pages)– Dated 9/21/21
Revised Sheet 3A, 4, 19, & 21 – Dated 9/21/21
Plan Sheet XX – Speed Hump Detail – Dated 9/21/21
Email of Water Department costs (2 pages) – Dated 11/30/20
Pre-bid meeting minutes

LETTING NO. 8734 (revised per addendum 1 dated 9/21/2021)

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, **SEPTEMBER 28, 2021**

The undersigned herewith proposes to

LOUISIANA CALM STREET
FEDERAL PROJECT NO. TAP-9901(649)
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:

ITEM

<u>NO.</u>	<u>SPEC NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
<u>GENERAL ITEMS</u>						
1	JSP 15	MOBILIZATION		1 LS		\$ _____
2	JSP 16	TRAFFIC CONTROL		1 LS		\$ _____
3	JSP 17	CONSTRUCTION STAKEOUT		1 LS		\$ _____
4	JSP 18	REMOVAL OF IMPROVEMENTS		1 LS		\$ _____
5	JSP 21	PROTECTION AND RESTORATION OF SITE		1 LS		\$ _____
SUBTOTAL - GENERAL ITEMS						\$ _____

ROADWAY ITEMS

6	JSP 22	ADJUST TO GRADE EXISTING WATER STOP BOX		4 EA	\$ _____	\$ _____
7	JSP 22	ADJUST WATER METER TO GRADE		2 EA	\$ _____	\$ _____
8	JSP 23	TYPE 5 AGGREGATE FOR BASE, 4 INCH	2,311 SY		\$ _____	\$ _____
9	JSP 23	CLASS A EXCAVATION	540 CY		\$ _____	\$ _____
10	JSP 24	DETECTABLE WARNING PANELS	955 SF		\$ _____	\$ _____
11	JSP 25	ADJUSTING MANHOLE	4 EA		\$ _____	\$ _____
12	JSP 25	ADJUSTING BASIN OR INLET	17 EA		\$ _____	\$ _____
13	JSP 25	4" PVC UNDERDRAIN	352 LF		\$ _____	\$ _____
14	JSP 25	CONNECT TO EXISTING INLET	8 EA		\$ _____	\$ _____

<u>ITEM NO.</u>	<u>SPEC NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
15	JSP 26	CONCRETE PAVEMENT (10" NON-REINFORCED)	149	SY	\$ _____	\$ _____
16	JSP 26	PCC SIDEWALK, 5 INCH	987	SY	\$ _____	\$ _____
17	JSP 26	CONCRETE TYPE S CURB W/ 1' ROADWAY REPLACEMENT (CITY DETAIL)	2,521	LF	\$ _____	\$ _____
18	JSP 26	CONCRETE TYPE S CURB - MODIFIED FLUSH	35	LF	\$ _____	\$ _____
19	JSP 26	CONCRETE TYPE S CURB - SIDEWALK	1,414	LF	\$ _____	\$ _____
20	JSP 26	7" PCC CURB RAMP	532	SY	\$ _____	\$ _____
21	JSP 26	6" CONCRETE CURB TRIANGLE FOR BUMPOUTS	39	EA	\$ _____	\$ _____
22	JSP 28	REINSTALL GRANITE CURB	405	LF	\$ _____	\$ _____
23	JSP 29	CHANNEL COVER, 24" WIDE	112	LF	\$ _____	\$ _____
24	JSP 30	SPEED HUMP	5	EA	\$ _____	\$ _____
25	JSP 31	CONCRETE MEDIAN (DOWELED-ON)	191	SY	\$ _____	\$ _____
26	JSP 32	REMOVE AND RELOCATE EXISTING FIRE HYDRANT	8	EA	\$ _____	\$ _____
27	JSP 33	COBBLE PAVEMENT & CONCRETE BASE (4" DEPTH)	243	SF	\$ _____	\$ _____
28	JSP 33	COBBLE INLET SUMP & CONCRETE BASE (6" DEPTH)	397	SF	\$ _____	\$ _____
29	JSP 34	CONCRETE (MINI-CIRCLE WALLS)	3	CY	\$ _____	\$ _____
30	JSP 35	ADJUST TO GRADE LIGHTING PULL BOX	3	EA	\$ _____	\$ _____
31	JSP 35	ADJUST TO GRADE LIGHTING MANHOLE	1	EA	\$ _____	\$ _____
SUBTOTAL - ROADWAY ITEMS						\$ _____

ITEM

<u>NO.</u>	<u>SPEC NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
<u>LANDSCAPING ITEMS</u>						
32	JSP 23	SAND - ASTM C-33 FINE AGGREGATE	42	TON	\$ _____	\$ _____
33	JSP 23	GRAVEL - ASTM C-33 NO. 8	41	TON	\$ _____	\$ _____
34	JSP 23	GRAVEL - ASTM C-33 NO. 67	41	TON	\$ _____	\$ _____
35	JSP 36	BIORETENTION SOIL MEDIA	289	CY	\$ _____	\$ _____
36	JSP 37	MSD TYPE 1 GEOTEXTILE FABRIC	1,135	SY	\$ _____	\$ _____
37	JSP 38	PERENNIAL SEED	3,316	SF	\$ _____	\$ _____
38	JSP 38	MULCH	37	CY	\$ _____	\$ _____
39	JSP 38	AGRONOMIC SOIL MEDIA FILL	886	CY	\$ _____	\$ _____
40	JSP 38	5 GAL COLUMNAR OAK STREET TREE	16	EA	\$ _____	\$ _____
41	JSP 38	1 GAL SHRUB	98	EA	\$ _____	\$ _____
42	JSP 38	1 GAL PERENNIAL	470	EA	\$ _____	\$ _____
43	JSP 38	PLUG PERENNIAL	773	EA	\$ _____	\$ _____
44	JSP 38	BULB	267	EA	\$ _____	\$ _____
SUBTOTAL - LANDSCAPING ITEMS						\$ _____
<u>SIGNING ITEMS</u>						
45	JSP 39	STOP SIGN, R1-1	12	EA	\$ _____	\$ _____
46	JSP 39	YIELD SIGN, R1-2	11	EA	\$ _____	\$ _____
47	JSP 39	LEFT HORIZONTAL ALIGNMENT, W1-5L	15	EA	\$ _____	\$ _____
48	JSP 39	15 MPH SUGGESTED SPEED, W13-1	15	EA	\$ _____	\$ _____
49	JSP 39	CROSS TRAFFIC DOES NOT STOP, W4-4P	14	EA	\$ _____	\$ _____
50	JSP 39	DOWNWARD DIAGONAL ARROW, W16-7pL	10	EA	\$ _____	\$ _____
51	JSP 39	SPEED HUMP, W17-1	10	EA	\$ _____	\$ _____
52	JSP 39	AHEAD, W16-9p	11	EA	\$ _____	\$ _____

<u>NO.</u>	<u>SPEC NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
53	JSP 39	CUSTOM LOUISIANA CALM STREET CONFIRMATION SIGN	6	EA	\$ _____	\$ _____
54	JSP 39	CUSTOM LOUISIANA CALM STREET DIRECTIONAL SIGN	12	EA	\$ _____	\$ _____
55	JSP 39	ROUNDAABOUT DIRECTIONAL (DOUBLE CHEVRON), R6-4	11	EA	\$ _____	\$ _____
56	JSP 39	ROUNDAABOUT CIRCULATION (PLAQUE), R6-5p	11	EA	\$ _____	\$ _____
57	JSP 39	ROUNDAABOUT INTERSECTION WARNING, W2-6	11	EA	\$ _____	\$ _____
58	JSP 39	DO NOT ENTER, R5-1	1	EA	\$ _____	\$ _____
59	JSP 39	ONE WAY (LEFT), R6-1L	1	EA	\$ _____	\$ _____
60	JSP 39	ONE WAY (RIGHT), R-1R	1	EA	\$ _____	\$ _____
61	JSP 40	MSD EDUCATIONAL ELEMENT SIGNS	4	EA	\$ _____	\$ _____
SUBTOTAL - SIGNING ITEMS						\$ _____

62	JSP 41	4" WIDE SOLID WHITE LINE (MMA)	3,157 LF	\$ _____	\$ _____
63	JSP 41	8" WIDE DASHED WHITE LINE (MMA; 2' SEGMENT, 20' GAP)	124 LF	\$ _____	\$ _____
64	JSP 41	8" WIDE SOLID WHITE LINE (MMA; HATCH, SPACE @10' O.C.)	43 LF	\$ _____	\$ _____
65	JSP 41	24" WIDE STOP BAR (MMA)	154 LF	\$ _____	\$ _____
66	JSP 41	4" WIDE DOUBLE YELLOW CENTERLINE (MMA)	3,138 LF	\$ _____	\$ _____
67	JSP 41	9' WIDE CROSSWALK (PREF. THERMO.; 2' BAR, 3' GAP)	2,422 LF	\$ _____	\$ _____
68	JSP 41	4" WIDE SOLID YELLOW LINE (MMA)	129 LF	\$ _____	\$ _____
69	JSP 41	SHARED LANE MARKING (MMA)	223 EA	\$ _____	\$ _____
SUBTOTAL - STRIPING ITEMS					\$

<u>ITEM</u>						
<u>NO.</u>	<u>SPEC NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>
<u>PAVEMENT MARKING ITEMS</u>						
70	JSP 41	SHARED LANE MARKING (MMA)	9	EA	\$ _____	\$ _____
71	JSP 41	"CALM STREET" MARKING (MMA)	6	EA	\$ _____	\$ _____
72	JSP 41	YIELD LINE MARKING (MMA)	62	EA	\$ _____	\$ _____
73	JSP 41	SPEED TABLE CHEVRON MARKING (MMA)	24	EA	\$ _____	\$ _____
74	JSP 41	BRICK RED MMA BUMPOUT	2,486	SF	\$ _____	\$ _____
75	JSP 41	WHITE CURVED ARROW (MMA)	12	EA	\$ _____	\$ _____
76	JSP 44	BICYCLE LANE SEPARATORS	14	EA	\$ _____	\$ _____
SUBTOTAL - PAVEMENT MARKING ITEMS						\$ _____
<u>EROSION CONTROL ITEMS</u>						
77	JSP 43	INLET PROTECTION	60	EA	\$ _____	\$ _____
SUBTOTAL - EROSION CONTROL ITEMS						\$ _____

<u>ITEM</u>		<u>DESCRIPTION</u>	<u>QTY.</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>EXTENSION</u>				
<u>NO.</u>	<u>SPEC NO.</u>									
<u>SUMMARY</u>										
SUBTOTAL GENERAL ITEMS						\$ _____				
SUBTOTAL ROADWAY ITEMS						\$ _____				
SUBTOTAL LANDSCAPING ITEMS						\$ _____				
SUBTOTAL SIGNING ITEMS						\$ _____				
SUBTOTAL STRIPING ITEMS						\$ _____				
SUBTOTAL PAVEMENT MARKING ITEMS						\$ _____				
SUBTOTAL EROSION CONTROL ITEMS						\$ _____				
TOTAL BID AMOUNT						\$ _____				

OJT Training Special Provision	<u>0</u>	Hours	\$ <u>10.00</u>	\$ <u>0.00</u>
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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:
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GENERAL																						
BID ITEM NUMBER	DESCRIPTION	UNIT	MERAMEC	KLOCKE	GASCONADE	MONTANA	OSAGE	ALBERTA	KEOKUK	DUNNICA	CHIPPEWA	MIDBLOCK 1	WINNEBAGO	MIAMI	MIDBLOCK 2	POTOMAC	MIDBLOCK 3	CHEROKEE	GRAVOIS	SUBTOTAL	DISCRETIONARY QUANTITY	TOTAL
1	MOBILIZATION	LS																				1
2	TRAFFIC CONTROL	LS																				1
3	CONSTRUCTION STAKEOUT	LS																				1
4	REMOVAL OF IMPROVEMENTS	LS																				1
	ASPHALT PAVEMENT REMOVAL	SY	39	228	198	132	156	24	160	0	55	0	4	297	0	205	0	155	0	1,653	66	1,719
	REMOVE COBBLES & STORE ON-SITE	SY	25	228	198	132	156	24	160	0	41	0	0	297	0	205	0	141	0	1,607	64	1,671
	REMOVE CONCRETE SIDEWALK	SY	134	105	108	78	123	45	118	29	0	0	164	77	0	124	0	120	15	1,240	50	1,290
	REMOVE CONCRETE CURB	LF	103	34	55	10	44	16	72	29	0	0	123	80	0	100	0	172	6	844	34	878
	REMOVE & STORE ON-SITE GRANITE CURB	TON	0	3	5	6	4	1	5	0	0	0	5	1	0	1	0	0	1	34	1	35
	REMOVE TURF	SY	0	8	17	17	26	0	4	6	0	0	23	1	0	5	0	3	6	116	5	121
	COLD MILL ASPHALT PAVEMENT	SY	0	0	53	0	53	0	0	0	0	53	0	0	53	0	53	0	0	265	11	276
	REMOVE SIGN POST	EA	1	0	0	1	3	0	4	0	4	0	4	4	0	2	0	1	1	25	1	26
	FULL DEPTH PAVEMENT SAWCUT	LF	252	349	571	337	313	93	385	26	114	0	111	612	0	442	0	534	12	4,151	166	4,317
5	PROTECTION AND RESTORATION OF SITE	LS																				1

ROADWAY																						
BID ITEM NUMBER	DESCRIPTION	UNIT	MERAMEC	KLOCKE	GASCONADE	MONTANA	OSAGE	ALBERTA	KEOKUK	DUNNICA	CHIPPEWA	MIDBLOCK 1	WINNEBAGO	MIAMI	MIDBLOCK 2	POTOMAC	MIDBLOCK 3	CHEROKEE	GRAVOIS	SUBTOTAL	DISCRETIONARY QUANTITY	TOTAL
6	ADJUST TO GRADE EXISTING WATER STOP BOX	EA	0	1	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	4	N/A	4
7	ADJUST WATER METER TO GRADE	EA	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	N/A	2
8	TYPE 5 AGGREGATE FOR BASE, 4 INCH	SY	220	230	153	247	55	187	36	12	0	190	245	0	274	0	193	21	2,222	89	2,311	
9	CLASS A EXCAVATION	CY	0	180	0	0	59	0	166	0	0	0	0	114	0	0	0	0	0	519	21	540
10	DETECTABLE WARNING PANELS	SF	80	80	96	72	96	20	84	16	0	0	96	84	0	92	0	84	18	918	37	955
11	ADJUSTING MANHOLE	EA	0	1	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	4	N/A	4
12	ADJUSTING BASIN OR INLET	EA	0	4	1	0	2	0	2	0	0	0	0	5	0	0	0	3	0	17	N/A	17
13	4" PVC UNDERDRAIN	LF	0	45	0	0	52	0	135	0	0	0	0	120	0	0	0	0	0	352	N/A	352
14	CONNECT TO EXISTING INLET	EA	0	3	0	0	1	0	2	0	0	0	0	2	0	0	0	0	0	8	N/A	8
15	CONCRETE PAVEMENT (10" NON-REINFORCED)	SY	0	0	0	0	0	0	0	0	0	0	0	83	0	61	0	0	0	144	6	149
16	PCC SIDEWALK, 5 INCH	SY	80	110	100	65	115	25	90	20	0	0	85	65	0	100	0	80	14	949	38	987
17	CONCRETE TYPE S CURB W/ 1' ROADWAY REPLACEMENT (CITY DETAIL)	LF	167	251	284	136	217	59	224	35	72	0	87	317	0	220	0	352	3	2424	97	2,521
18	CONCRETE TYPE S CURB - MODIFIED FLUSH	LF	0	12	0	0	4	0	10	0	0	0	0	8	0	0	0	0	0	34	1	35
19	CONCRETE TYPE S CURB - SIDEWALK	LF	66	72	143	174	187	59	136	26	0	0	122	74	0	124	0	155	25	1,360	54	1,414
20	7" PCC CURB RAMP	SY	46	38	58	44	67	16	26	9	0	0	75	23	0	64	0	42	4	511	20	532
21	6" CONCRETE CURB TRIANGLE FOR BUMPOUTS	EA	4	2	6	4	3	2	3	0	2	0	0	4	0	2	0	7	0	39	N/A	39
22	REINSTALL GRANITE CURB	LF	0	40	59	73	54	6	70	0	0	0	55	9	0	14	0	0	9	389	16	405
23	CHANNEL COVER, 24" WIDE	LF	0	0	27	30	18	0	18	0	0	0	0	19	0	0	0	0	0	112	N/A	112
24	SPEED HUMP	EA	0	0	1	0	1	0	0	0	0	1	0	0	1	0	1	0	0	5	0	5
25	CONCRETE MEDIAN (DOWELED-ON)	SY	47	0	6	11	23	6	0	11	22	0	0	17	0	23	0	9	9	184	7	191
26	REMOVE AND RELOCATE EXISTING FIRE HYDRANT	EA	0	0	1	1	2	0	1	0	0	0	0	1	0	1	0	1	0	8	N/A	8
27	COBBLE PAVEMENT (COBBLES FROM CITY) & CONCRETE BASE (4" DEPTH)	SF	0	88	0	0	35	0	60	0	0	0	0	50	0	0	0	0	0	233	10	243
28	COBBLE INLET SUMP (COBBLES FROM CITY) & CONCRETE BASE (6" DEPTH)	SF	0	72	66	0	42	0	53	0	0	0	0	84	0	31	0	34	0	382	15	397
29	CONCRETE (MINI-CIRCLE WALLS)	CY	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	3	0	3
30	ADJUST TO GRADE LIGHTING PULL BOX	EA	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	N/A	3
31	ADJUST TO GRADE LIGHTING MANHOLE	EA	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	N/A	1

LANDSCAPING																						
BID ITEM NUMBER	DESCRIPTION	UNIT	MERAMEC	KLOCKE	GASCONADE	MONTANA	OSAGE	ALBERTA	KEOKUK	DUNNICA	CHIPPEWA	MIDBLOCK 1	WINNEBAGO	MIAMI	MIDBLOCK 2	POTOMAC	MIDBLOCK 3	CHEROKEE	GRAVOIS	SUBTOTAL	DISCRETIONARY QUANTITY	TOTAL
32	SAND - ASTM C-33 FINE AGGREGATE	TON	0	15	0	0	5	0	12	0	0	0	0	10	0	0	0	0	0	42	N/A	42
33	GRAVEL - ASTM C-33 NO. 8	TON	0	15	0	0	5	0	11	0	0	0	0	10	0	0	0	0	0	41	N/A	41
34	GRAVEL - ASTM C-33 NO. 67	TON	0	15	0	0	5	0	11	0	0	0	0	10	0	0	0	0	0	41	N/A	41
35	BIORETENTION SOIL MEDIA	CY	0	105	0	0	35	0	81	0	0	0	0	68	0	0	0	0	0	289	N/A	289
36	MSD TYPE 1 GEOTEXTILE FABRIC	SY	0	369	0	0	133	0	360	0	0	0	0	273	0	0	0	0	0	1,135	N/A	1,135
37	PERENNIAL SEED	SF	56	216	733	421	362	95	40	0	152	0	0	323	0	383	0	407	0	3,188	128	3,316
38	MULCH	CY	1	7	3	2	4	1	7	0	1	0	0	7	0	3	0	3	0	35.5	1.4	37
39	AGRONOMIC SOIL MEDIA FILL	CY	27	42	156	123	87	26	15	0	44	0	0	81	0	114	0	138	0	852	34	886
40	5 GAL COLUMNAR OAK STREET TREE	EA	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	8	0	16	N/A	16
41	1 GAL SHRUB	EA	0	54	0	0	3	0	7	0	0	0	0	34	0	0	0	0	0	98	N/A	98
42	1 GAL PERENNIAL	EA	20	42	76	12	56	12	55	0	20	0	0	61	0	38	0	78	0	470	N/A	470
43	PLUG PERENNIAL	EA	0	284	0	67	70	0	165	0	0	0	0	152	0	17	0	18	0	773	N/A	773
44	BULB	EA	7	6	36	66	41	14	5	0	11	0	0	27	0	27	0	27	0	267	N/A	267

1 ADDENDUM 1 (9/21/2021)

MSD PROJECT
20MSD-00227
BASE MAP 20F3

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Discipline: Professional Engineering
Certificate of Authority: F01032455
Expiration Date: December 31, 2022

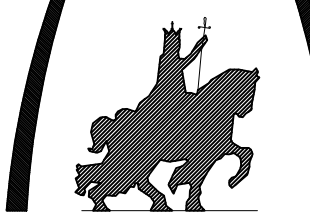
TAP - 990(649)

Federal Project Number

2018-40-084

BPS Project Number

CITY OF SAINT LOUIS
MISSOURI



DEPARTMENT OF THE PRESIDENT
BOARD OF PUBLIC SERVICE
ROOM 301 CITY HALL
ST. LOUIS, MISSOURI 63103
PHONE (314) 622-3535
FAX (314) 622-4028

Jaroslav Czernikiewicz P.E.

Chief of Design Division

LOUISIANA CALM STREET
CITY OF SAINT LOUIS, MISSOURI

SCHEDULES - SHEET 1 OF 2

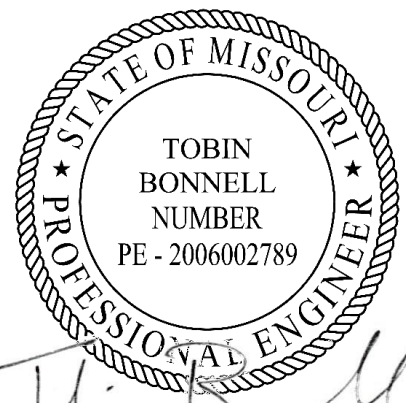
SHEET TITLE

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SHEET 3A OF 116

Revision No. Date

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Seal 9/21/2021

9/21/2021

Date

XXX

File Number

BID ITEM NUMBER	BID ITEM SPECIFICATION	DESCRIPTION	UNIT	TOTAL QUANTITY
GENERAL				
1	JSP 15	MOBILIZATION	LS	1
2	JSP 16	TRAFFIC CONTROL	LS	1
3	JSP 17	CONSTRUCTION STAKEOUT	LS	1
4	JSP 18	REMOVAL OF IMPROVEMENTS	LS	1
	**	ASPHALT PAVEMENT REMOVAL	SY	1,719
	**	REMOVE COBBLES & STORE ON-SITE	SY	1,671
	**	REMOVE CONCRETE SIDEWALK	SY	1,290
	**	REMOVE CONCRETE CURB	LF	878
	**	REMOVE & STORE ON-SITE GRANITE CURB	TON	35
	**	REMOVE TURF	SY	121
	**	COLD MILL ASPHALT PAVEMENT	SY	276
	**	REMOVE SIGN POST	EA	26
	**	FULL DEPTH PAVEMENT SAWCUT	LF	4,317
5	JSP 21	PROTECTION AND RESTORATION OF SITE	LS	1
ROADWAY				
6	JSP 22	ADJUST TO GRADE EXISTING WATER STOP BOX	EA	4
7	JSP 22	ADJUST WATER METER TO GRADE	EA	2
8	JSP 23	TYPE 5 AGGREGATE FOR BASE, 4 INCH	SY	2,311
9	JSP 23	CLASS A EXCAVATION	CY	540
10	JSP 24	DETECTABLE WARNING PANELS	SF	955
11	JSP 25	ADJUSTING MANHOLE	EA	4
12	JSP 25	ADJUSTING BASIN OR INLET	EA	17
13	JSP 25	4" PVC UNDERDRAIN	LF	352
14	JSP 25	CONNECT TO EXISTING INLET	EA	8
15	JSP 26	CONCRETE PAVEMENT (10" NON-REINFORCED)	SY	149
16	JSP 26	PCC SIDEWALK, 5 INCH	SY	987
17	JSP 26	CONCRETE TYPE S CURB W/ 1' ROADWAY REPLACEMENT (CITY DETAIL)	LF	2,521
18	JSP 26	CONCRETE TYPE S CURB - MODIFIED FLUSH	LF	35
19	JSP 26	CONCRETE TYPE S CURB - SIDEWALK	LF	1,414
20	JSP 26	7" PCC CURB RAMP	SY	532
21	JSP 26	6" CONCRETE CURB TRIANGLE FOR BUMPOUTS	EA	39
22	JSP 28	REINSTALL GRANITE CURB	LF	405
23	JSP 29	CHANNEL COVER, 24" WIDE	LF	112
24	JSP 30	SPEED HUMP	EA	5
25	JSP 31	CONCRETE MEDIAN (DOWELED-ON)	SY	191
26	JSP 32	REMOVE AND RELOCATE EXISTING FIRE HYDRANT	EA	8
27	JSP 33	COBBLE PAVEMENT (COBBLES FROM CITY) & CONCRETE BASE (4" DEPTH)	SF	243
28	JSP 33	COBBLE INLET SUMP (COBBLES FROM CITY) & CONCRETE BASE (6" DEPTH)	SF	397
29	JSP 34	CONCRETE (MINI-CIRCLE WALLS)	CY	3
30	JSP 35	ADJUST TO GRADE LIGHTING PULL BOX	EA	3
31	JSP 35	ADJUST TO GRADE LIGHTING MANHOLE	EA	1
LANDSCAPING				
32	JSP 23	SAND - ASTM C-33 FINE AGGREGATE	TON	42
33	JSP 23	GRAVEL - ASTM C-33 NO. 8	TON	41
34	JSP 23	GRAVEL - ASTM C-33 NO. 67	TON	41
35	JSP 36	BIORETENTION SOIL MEDIA	CY	289
36	JSP 37	MSD TYPE 1 GEOTEXTILE FABRIC	SY	1,135
37	JSP 38	PERENNIAL SEED	SF	3,316
38	JSP 38	MULCH	CY	37
39	JSP 38	AGRONOMIC SOIL MEDIA FILL	CY	886
40	JSP 38	5 GAL COLUMNAR OAK STREET TREE	EA	16
41	JSP 38	1 GAL SHRUB	EA	98
42	JSP 38	1 GAL PERENNIAL	EA	470
43	JSP 38	PLUG PERENNIAL	EA	773
44	JSP 38	BULB	EA	267

BID ITEM NUMBER	BID ITEM SPECIFICATION	DESCRIPTION	UNIT	TOTAL QUANTITY
SIGNING				
45	JSP 39	STOP SIGN, R1-1	EA	12
46	JSP 39	YIELD SIGN, R1-2	EA	11
47	JSP 39	LEFT HORIZONTAL ALIGNMENT, W1-5L	EA	15
48	JSP 39	15 MPH SUGGESTED SPEED, W13-1	EA	15
49	JSP 39	CROSS TRAFFIC DOES NOT STOP, W4-4P	EA	14
50	JSP 39	DOWNWARD DIAGONAL ARROW, W16-7pL	EA	10
51	JSP 39	SPEED HUMP, W17-1	EA	10
52	JSP 39	AHEAD, W16-9p	EA	11
53	JSP 39	CUSTOM LOUISIANA CALM STREET CONFIRMATION SIGN	EA	6
54	JSP 39	CUSTOM LOUISIANA CALM STREET DIRECTIONAL SIGN	EA	12
55	JSP 39	ROUNDABOUT DIRECTIONAL (DOUBLE CHEVRON), R6-4	EA	11
56	JSP 39	ROUNDABOUT CIRCULATION (PLAQUE), R6-5p	EA	11
57	JSP 39	ROUNDABOUT INTERSECTION WARNING, W2-6	EA	11
58	JSP 39	DO NOT ENTER, R5-1	EA	1
59	JSP 39	ONE WAY (LEFT), R6-1L	EA	1
60	JSP 39	ONE WAY (RIGHT), R-1R	EA	1
61	JSP 40	MSD EDUCATIONAL ELEMENT SIGNS	EA	4
STRIPING				
62	JSP 41	4" WIDE SOLID WHITE LINE (MMA)	LF	3,157
63	JSP 41	8" WIDE DASHED WHITE LINE (MMA; 2' SEGMENT, 20' GAP)	LF	124
64	JSP 41	8" WIDE SOLID WHITE LINE (MMA; HATCH, SPACE @10' O.C.)	LF	43
65	JSP 41	24" WIDE STOP BAR (MMA)	LF	154
66	JSP 41	4" WIDE DOUBLE YELLOW CENTERLINE (MMA)	LF	3,138
67	JSP 41	9' WIDE CROSSWALK (PREF. THERMO.; 2' BAR, 3' GAP)	LF	2,422
68	JSP 41	4" WIDE SOLID YELLOW LINE (MMA)	LF	129
69	JSP 41	6" WIDE SOLID WHITE LINE (MMA)	LF	223
PAVEMENT MARKINGS				
70	JSP 41	SHARED LANE MARKING (MMA)	EA	9
71	JSP 41	"CALM STREET" MARKING (MMA)	EA	6
72	JSP 41	YIELD LINE MARKING (MMA)	EA	62
73	JSP 41	SPEED TABLE CHEVRON MARKING (MMA)	EA	24
74	JSP 41	BRICK RED MMA BUMPOUT	SF	2,486
75	JSP 41	WHITE CURVED ARROW (MMA)	EA	12
76	JSP 42	BICYCLE LANE SEPARATORS	EA	14
EROSION CONTROL				
77	JSP 43	INLET PROTECTION	EA	60

** QUANTITIES CONTRIBUTE TO THE "REMOVAL OF IMPROVEMENTS" LUMP SUM BID ITEM AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.



ADDENDUM 1 (9/21/2021)

MSD PROJECT
20MSD-00227
BASE MAP 20F3



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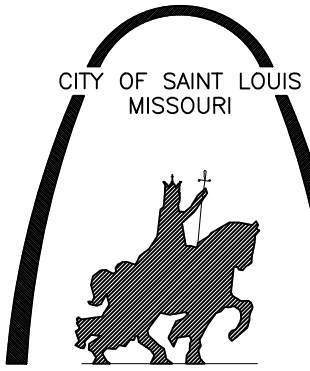
Discipline: Professional Engineering
Certificate of Authority: F01032455
Expiration Date: December 31, 2022

TAP - 9901(649)

Federal Project Number

2018-40-084

BPS Project Number



DEPARTMENT OF THE PRESIDENT
BOARD OF PUBLIC SERVICE
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ST. LOUIS, MISSOURI 63103
PHONE (314) 622-3535
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Jaroslav Czernikiewicz P.E.

Chief of Design Division

LOUISIANA CALM STREET

CITY OF SAINT LOUIS, MISSOURI

SUMMARY OF QUANTITIES

SHEET TITLE

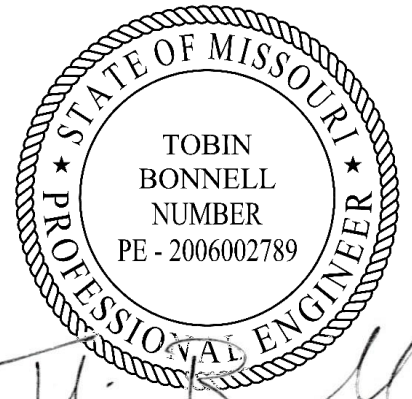
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SHEET 4 OF 116

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9/21/2021

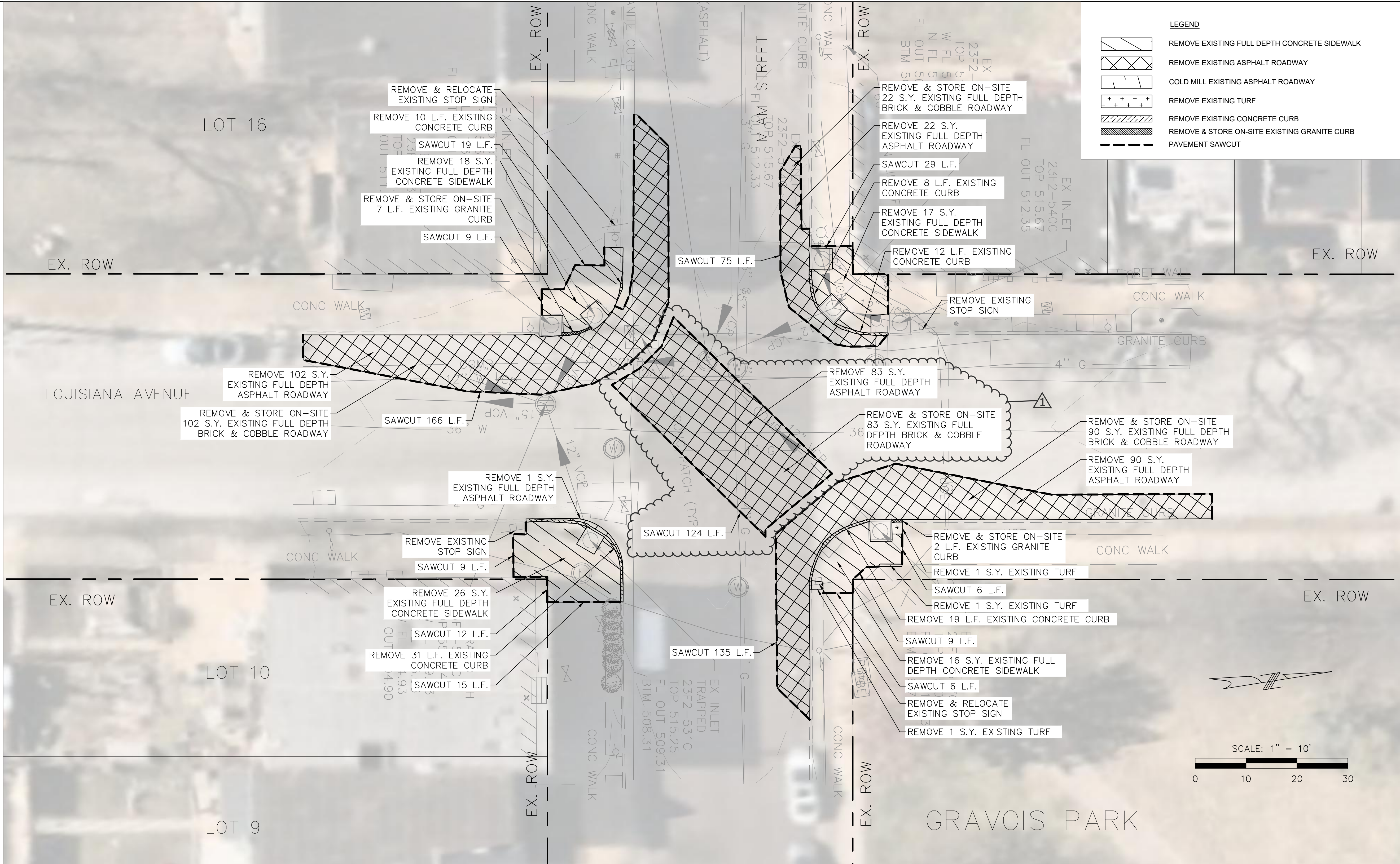
9/21/2021

Date

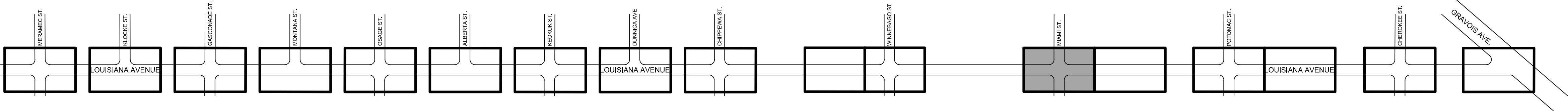
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File Number

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KEY MAP
SCALE: 1" = 250'



1 ADDENDUM 1 (9/21/2021)

MSD PROJECT
20MSD-00227
BASE MAP 20F3

alta

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314-403-7400 | alta.co

Discipline: Professional Engineering
Certificate of Authority: F01032455
Expiration Date: December 31, 2022

TAP - 9901(649)

Federal Project Number

2018-40-084

BPS Project Number



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BOARD OF PUBLIC SERVICE
ROOM 301 CITY HALL
ST. LOUIS, MISSOURI 63103
PHONE (314) 622-3535
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Jaroslav Czernikiewicz P.E.
Chief of Design Division

LOUISIANA CALM STREET
CITY OF SAINT LOUIS, MISSOURI
REMOVAL PLAN

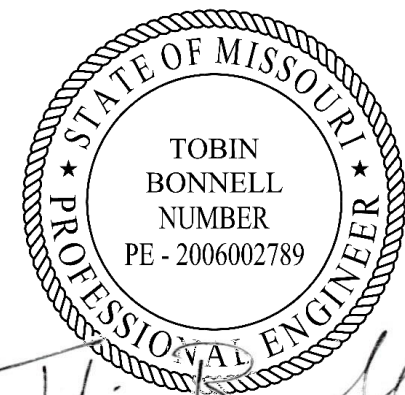
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SHEET 19 OF 116

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9/21/2021

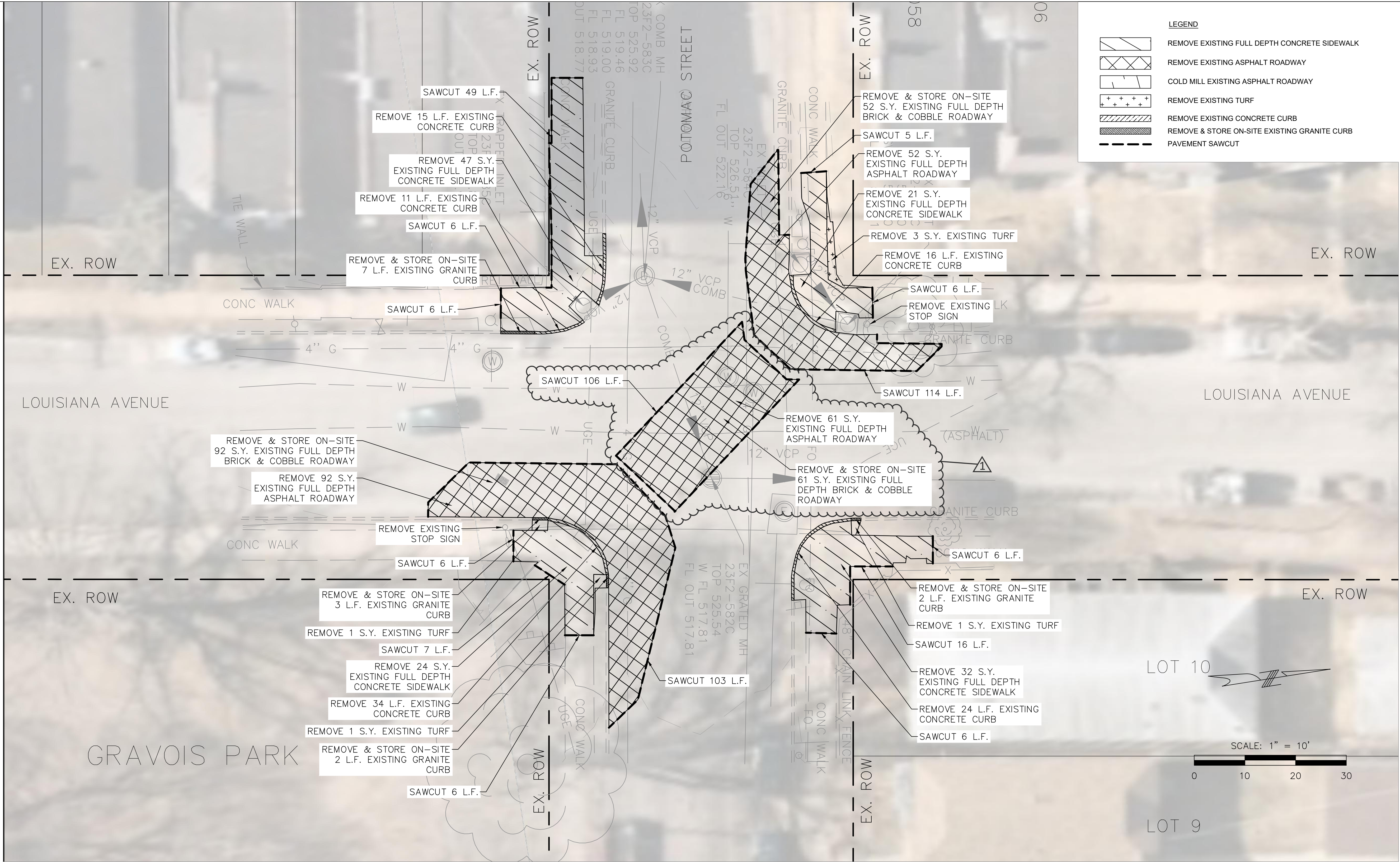
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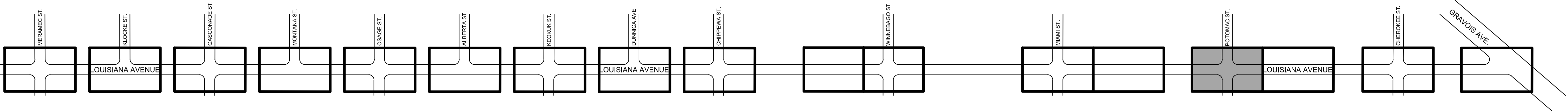
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January 28, 2021

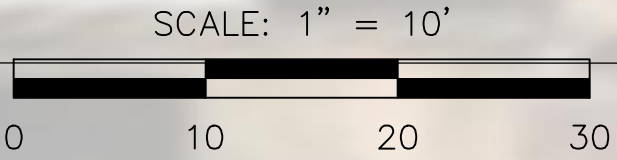
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KEY MAP
SCALE: 1" = 250'



- LEGEND**
- REMOVE EXISTING FULL DEPTH CONCRETE SIDEWALK
 - REMOVE EXISTING ASPHALT ROADWAY
 - COLD MILL EXISTING ASPHALT ROADWAY
 - REMOVE EXISTING TURF
 - REMOVE EXISTING CONCRETE CURB
 - REMOVE & STORE ON-SITE EXISTING GRANITE CURB
 - PAVEMENT SAWCUT



1 ADDENDUM 1 (9/21/2021)

MSD PROJECT
20MSD-00227
BASE MAP 20F3

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TAP - 9901(649)

Federal Project Number

2018-40-084

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Jaroslav Czernikiewicz P.E.
Chief of Design Division

LOUISIANA CALM STREET
CITY OF SAINT LOUIS, MISSOURI

REMOVAL PLAN

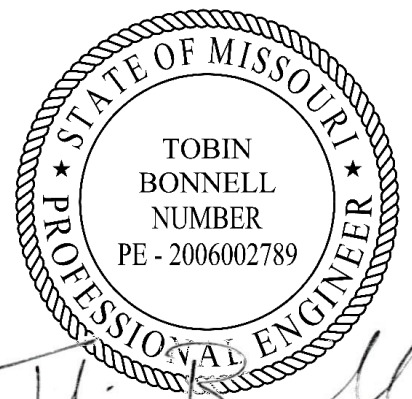
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SHEET 21 OF 116

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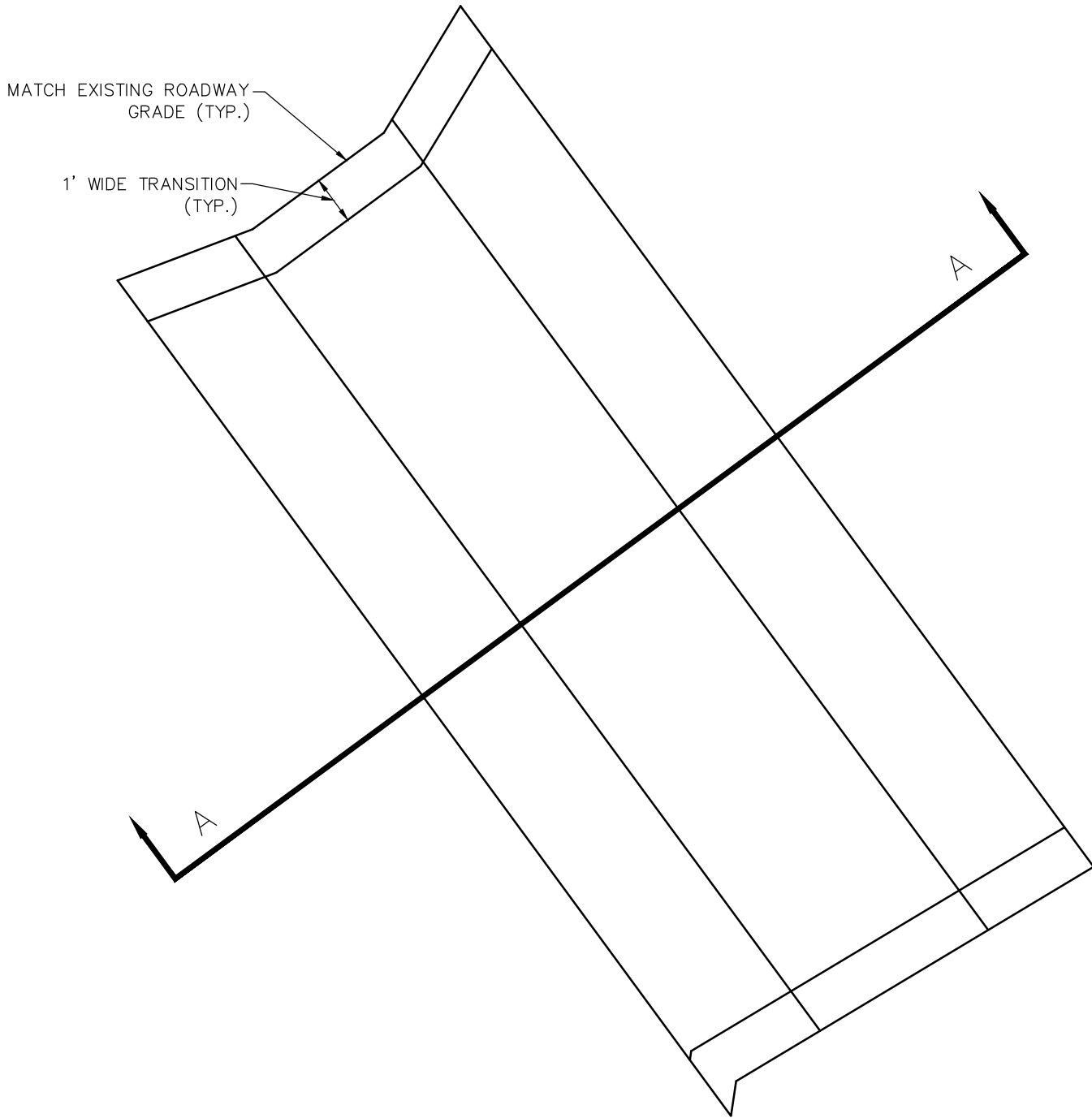
9/21/2021

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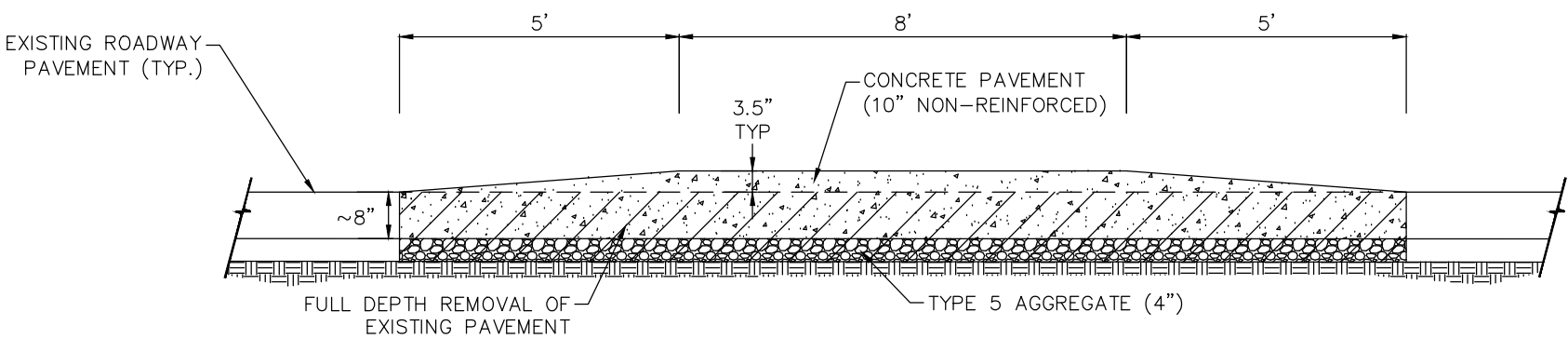
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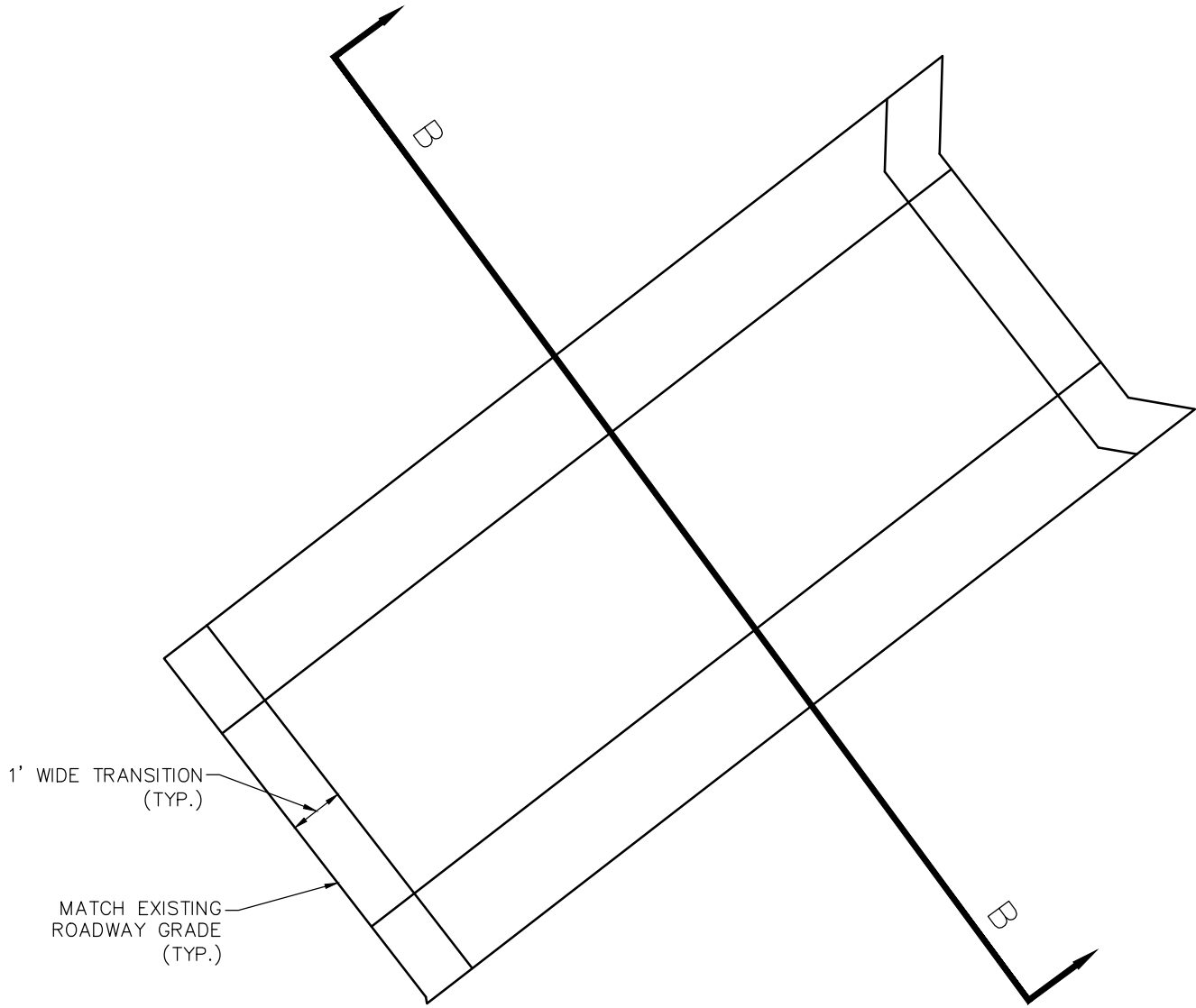
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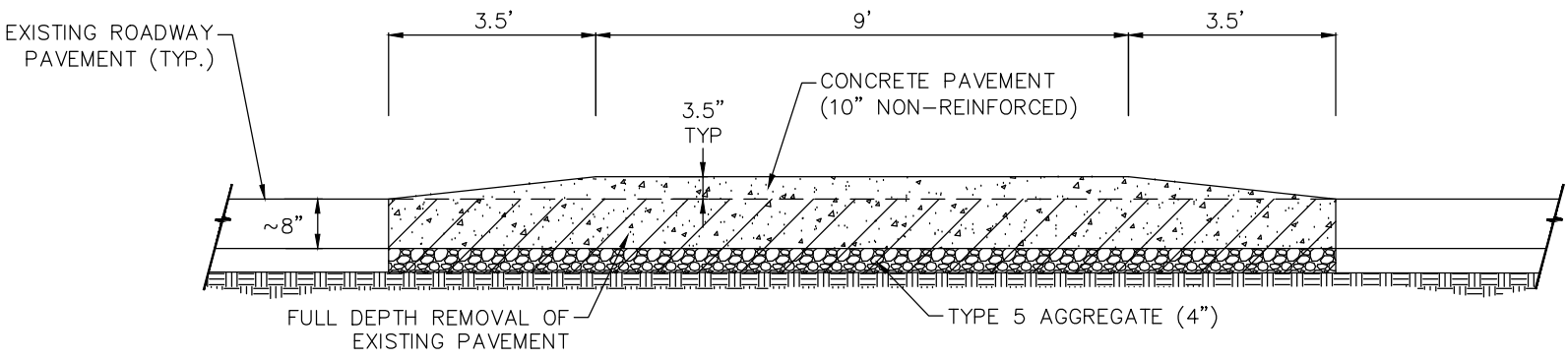
LOUISIANA AVENUE AND
MIAMI STREET



SECTION A-A



LOUISIANA AVENUE AND
POTOMAC STREET



SECTION B-B



ADDENDUM 1 (9/21/2021)

MSD PROJECT
20MSD-00227
BASE MAP 20F3

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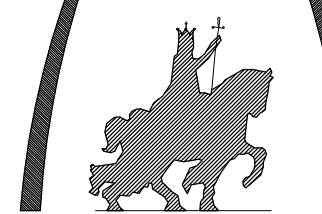
TAP - 9901(649)

Federal Project Number

2018-40-084

BPS Project Number

CITY OF SAINT LOUIS
MISSOURI



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BOARD OF PUBLIC SERVICE
ROOM 301 - CITY HALL
ST. LOUIS, MISSOURI 63103
PHONE (314) 622-3535
FAX (314) 622-4028

Jaroslav Czernikiewicz P.E.
Chief of Design Division

LOUISIANA CALM STREET

CITY OF SAINT LOUIS, MISSOURI

CONCRETE SPEED HUMP DETAILS

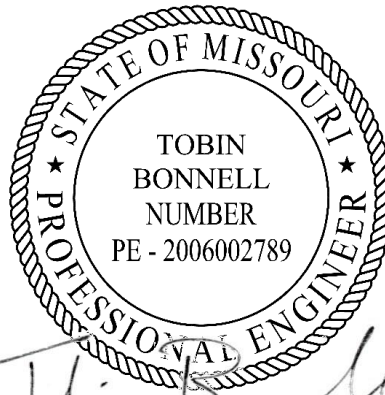
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SHEET XX OF 116

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Seal 9/21/2021

9/21/2021

Date

XXX

File Number



Brown, Brenna <brownbr@stlouis-mo.gov>

Final Louisiana Calm Street Review

Nankivil, Mark <mnankivil@stlwater.com>

Mon, Nov 30, 2020 at 3:36 PM

To: "Brown, Brenna" <brownbr@stlouis-mo.gov>

Good Day Brenna -

With the drawings finalized, here are the Water Division related costs for the project. Note the contractor is responsible for the excavation, shoring (if needed), traffic control, backfill and grade restoration. Per location:

Sheet 27 - Louisiana & Gasconade:

Straight pipe existing 6"x6" tee for FH on the NE corner of intersection - cut in a 6"x6" tee with 6" valve in new location. Provide Contractor with new gooseneck and Buffalo valve box and perform general maintenance to FH as the FH will be reused/reset by Contractor. Contractor to install FH lead and set FH. Cost Estimate - \$6,400.00

Sheet 28 - Louisiana & Montana:

Straight pipe existing 12"x6" tee for FH on the north side of Osage west of Louisiana - cut in a 12"x6" tee with 6" valve in new location. Provide Contractor with new gooseneck and Buffalo valve box and perform general maintenance to FH as the FH will be reused/reset by Contractor. Contractor to install FH lead and set FH. Cost Estimate - \$6,400.00

Sheet 29 - Louisiana & Osage:

Straight pipe existing 12"x6" tee for FH on the NE corner - cut in a 12"x6" tee with 6" valve in new location. Provide Contractor with new gooseneck and Buffalo valve box and perform general maintenance to FH as the FH will be reused/reset by Contractor. Contractor to install FH lead and set FH. Cost Estimate - \$7,164.00

Cut out existing 12"x6" tee on west side of Louisiana north of Osage - install new 12"x6" tee with 6" valve approx 5' north of existing location (install new pipe from old tee to new location due to short distance between the two). Provide Contractor with new gooseneck and Buffalo valve box and perform general maintenance to FH as the FH will be reused/reset by Contractor. Contractor to install FH lead and set FH. Cost Estimate - \$7,101.00

Sheet 31 - Louisiana & Keokuk:

Cut out existing 12"x6" tee on west side of Louisiana north of Keokuk - install new 12"x6" tee with 6" valve at new location (install new pipe from old tee to new location due to short distance between the two). Provide Contractor with new gooseneck and Buffalo valve box and perform general maintenance to FH as the FH will be reused/reset by Contractor. Contractor to install FH lead and set FH. Cost Estimate - \$7,629.00

Sheet 38 - Louisiana & Potomac:

Straight pipe existing 6"x6" tee for FH on the north side of Potomac west of Louisiana - cut in a 6"x6" tee with 6" valve in new location. Provide Contractor with new gooseneck and Buffalo valve box and perform general maintenance to FH as the FH will be reused/reset by Contractor. Contractor to install FH lead and set FH. Cost Estimate - \$6,400.00

Sheet 45 - Louisiana & Cherokee:

Straight pipe existing 12"x6" tee on west side of Louisiana south of Cherokee - install new 12"x6" tee with 6" valve in new location. Provide Contractor with new gooseneck and Buffalo valve box and perform general maintenance to FH as the FH will be reused/reset by Contractor. Contractor to install FH lead and set FH. Cost Estimate - \$7,164.00

Thanks -
Mark Nankivil
Water Distribution Executive
Service Delivery Group

On Tue, Nov 10, 2020 at 10:32 AM Brown, Brenna <brownbr@stlouis-mo.gov> wrote:
[Quoted text hidden]

Pre-Bid Meeting Minutes, 9/7/21

Louisiana Calm Streets

Federal Project #TAP-9901(649)

Presenters - Kevin Trapp, BPS
Russell Klein – MoDOT
Tobin Bonnell – Alta Planning + Design, Inc.

- This project will install traffic calming and green infrastructure improvements on Louisiana, from Meramac to Gravois. Work includes sidewalk and curb ramp improvements, sewer work, landscaping, bioswales, speed humps and mini traffic circles, signage and striping.
- Bids are due by Tuesday, September 28, 2021, at 1:45 pm in Room 301 of City Hall. This is a somewhat new procedure for us, do not take your bids to the second floor of City Hall. Bring them to Room 301. If you take the elevator on the north side of the building to the 3rd floor, when you step off you'll be facing Room 301. 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
- The City will mail out bid packets about 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. It is recommended that you carefully go through the bidder checklist in the front of the project specifications before submitting your bid.
- Bidders must submit a bid deposit equal to 5% of the total bid.
- This project has 180 working days to complete of work. Liquidated damages have been set at \$1,100.00/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 no On the Job goal.
- Questions regarding the plans and specifications must be submitted by September 15, 2021. The bid inquiry form is included as the last page of the project specifications. Questions received on time will be answered via an addenda. Any question received after that will not be answered.
- 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.
- The contractor will be responsible for obtaining all necessary permits from both the City and MoDOT. Both Gravois and Chippewa are MoDOT routes and require MoDOT permits.

- This project is subject to the Buy America law, which will be strictly enforced on all iron, steel, and steel coating products.
- Part of the contract includes the relocation of 8 existing fire hydrants that are currently installed onsite. The City's standard hydrant is currently not Buy America compliant, so **under no circumstances can a hydrant from the Water Department's stockpile be installed on this project**. Federal law will only allow us to relocate the exact hydrant that is out there now. If one of those hydrants is damaged or lost during construction, BPS will work with the contractor to find a generic hydrant that is compatible with the Fire Department's equipment and that comes from a supplier that is Buy America compliant.
- The Water Department will demolish the old hydrant taps and install the new taps off the main. The contractor will need to coordinate that work. Any charges by the Water Department for this work is incidental and needs to be included in the unit cost for relocating hydrants.
- The mill and overlay of the streets will be done by the City Street Department. The contractor will need to coordinate paving with the Street Department. General Note #17 on page 2 of the plans details the order of work.
- MoDOT is currently microsurfacing Chippewa. Their work will skip over the Louisiana intersection entirely, and their contractor should be completely finished before we're able to issue a Notice to Proceed. But in the event they don't wrap up before the winter, JSP-12 has MoDOT contact information for coordination.

QUESTIONS & ANSWERS

No questions asked.