FEDERAL PROJECT NOS. CMAQ-5436(603 & STP-5436(604) BPS PROJECT NO. 2020-11-123

# CITY OF SAINT LOUIS

DEPARTMENT OF THE PRESIDENT, BOARD OF PUBLIC SERVICE

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### ADDENDUM NO. 1

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PLANS AND SPECIFICATIONS

FOR

# 7<sup>th</sup> STREET IMPROVEMENTS

ST. LOUIS, MISSOURI

DATE: **11/28/23** LETTING NUMBER: **8766** 

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

Receipt of this addendum must be acknowledged on Bid Express.

### ADDENDUM TO THE JOB SPECIAL PROVISIONS

• N/A

### ADDENDUM TO THE ITEMIZED BID FORM

- STP Line Item #608-60-99c "5" PCC Sidewalk (Railway Exchange Building" Revise the quantity and the unit of measurement from 126.00 SY to 134 SF.
- Line Item 902-02.13 "Signal Head, Type 3S" Revise quantity from 39 EA to 14 EA.

### ADDENDUM TO DRAWINGS

• Replace Sheets C1.2 through C1.4 sheets attached to this addendum. The A/B sheets were revised to reflect the revisions listed in the "Addendum to the Itemized Bid Form".

# SUBMITTED QUESTIONS AND ANSWERS

- **Q:** There is no detail drawing or other information provided for the bid item, 2 EA Substation Panel and Hardware?
- A: Section 6.2 of JSP-19 describes what materials are required as part of the "Substation Panel & Hardware" pay item. Note that the new panel in each existing substation is intended to only be used for the new pedestrian lighting circuits. A compatible photocell should be mounted to the new pedestrian light pole nearest each substation, wired to the new panel to control the new circuits.
- Q: General note #11 states that "New lighting conduit shall be coordinated with sidewalk and roadway construction to allow trenching of conduit where feasible. Lighting conduit may be installed via directional bore, but will be paid at the bid price for trenched 2" HDP conduit". Boring conduit downtown is not feasible, and many areas of new conduit are not located within the project limits of the sidewalk/pavement removals.
- A: The City assumes that underground conflicts will require the conduit installation to be open-cut trenched, but boring will be permitted. All costs for the removal/replacement of sidewalk or pavement due to conduit installation that is located outside of the defined areas of sidewalk or full-depth pavement replacement shown on the plans shall be incidental to the cost of the conduit installation. This includes sawcutting, potholing, asphalt/concrete removal, excavation, backfill, new sidewalk/pavement, and any other incidental cost related to the conduit installation. Conduit installation shall be in accordance with the requirements of the "Standard Traffic Signal Specifications for the City of St. Louis", as outlined below:
  - Where it is necessary to break sidewalk, driveway, or alley pavement, new pavement equal in depth to that removed shall be replaced on a compacted sub-base. In no case shall sidewalks be less than 5" in depth, and driveway or alley aprons less than 8" in depth. All sidewalks shall be removed to the nearest joint.
  - Where the roadway is removed, such pavement shall be replaced with a concrete base course of 8" minimum thickness and an asphaltic surface course of 2". The finished surface shall match the existing finished grades. All roadway patches must be completed before 7<sup>th</sup> Street is milled/overlayed.
  - When open cutting for trenched conduit, the excavation shall be a minimum of 12" wide and 30" deep and the conduit depth shall be a minimum of 24" to the top of the conduit. Trenches cannot remain open overnight, and must either be covered by a ¾" steel plate or temporarily backfilled with granular backfill and topped with a minimum of 1" of asphalt. Bored conduit depth shall be a minimum 24" to the top of conduit.

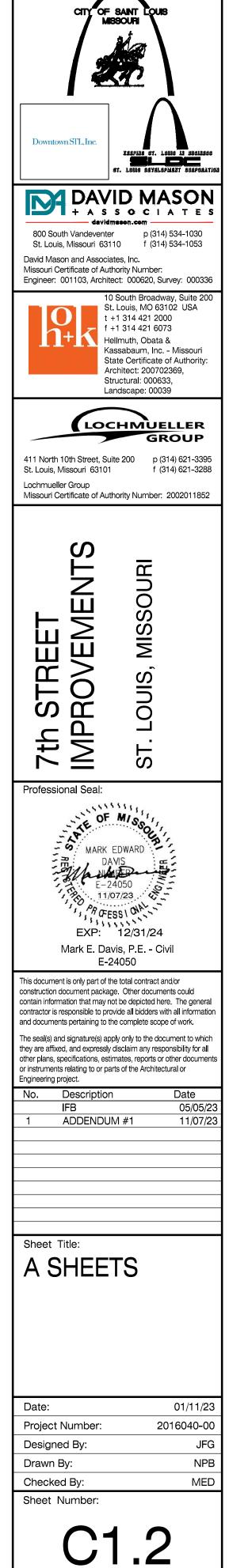
END OF ADDENDUM NO. 1

Attachments: Revised plan sheets C1.2-C1.4(3 pages)

	SUMMARY OF QUANTITIES - STP 5436 (604)				SUMMARY OF QUANTITIES - STP 5436 (604) (CONTINUED)							
ITEM NUMBER	DESCRIPTION	UNIT	1	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY					
201-99.02	TREE REMOVAL	EA	7	1	620-99.02c	WATERBORNE PAVEMENT MARKING - ANGLED STRIPED AREAS	SF	1456				
202-99.50a	REMOVE AND SALVAGE BUS SHELTER	EA	1	1	620-99.04b	MMA PAVEMENT MARKING - PAINTED GREEN 8 FT WIDE CYCLE TRACK	LF	40				
202-99.50b	REMOVE PARKING METERS	EA	35	1	620-99.04c	MMA PAVEMENT MARKING - PAINTED GREEN 10 FT WIDE CYCLE TRACK	LF	200				
216-40.00	CONCRETE CURB REMOVAL	LF	1641	1	620-99.04d	MMA PAVEMENT MARKING - PAINTED GREEN 10 FT WIDE BIKE BOX	LF	40				
301-01.43	TYPE 1 AGGREGATE FOR BASE (4 IN. THICK)	SY	3055		620-99.04e	MMA PAVEMENT MARKING - PAINTED 6 INCH WHITE (CYCLE TRACK)	LF	256				
502-11.08	CONCRETE PAVEMENT ( 8 IN. NON-REINF)	SY	403		620-99.04f	MMA PAVEMENT MARKING - 4 INCH PAINTED YELLOW STRIPING SKIP DASH (CYCLE TRACK)	LF	1649				
608-10.12	DETECTABLE WARNING PANELS	SF	475		622-10.01	MILL ASPHALT AND HAUL OFF	SY	9258				
609-10.10	6" VERTICAL CURB AND GUTTER	LF	1825		622-10.11	CONCRETE REMOVAL - SIDEWALK	SY	2884				
608-60.099a	5" PCC SIDEWALK	~5K~	2652		622-10.99a	FULL DEPTH PAVEMENT REMOVAL	CY	68				
608-60.099c	5" PCC SIDEWALK (RAILWAY EXCHANGE BUILDING)	SF	134		622-10.99b	PAVEMENT OVERDIG (1'-0")	CY	157				
613-10.14	PAVEMENT SAWCUT		3652		624-99.07a	SOIL EXCAVATION - EXISTING TREE PITS	CY	10				
614-99.02	MANHOLES/VALVES ADJUST TO GRADE (COUNT: 129)	EA	129		624-99.07b	SOIL EXCAVATION - PROPOSED TREE PITS	CY	263				
616-99.01	TRAFFIC CONTROL	LS	1		624-99.99	SEDIMENT AND EROSION CONTROL	LS	1				
617-99.04b	RAISED BIKE BUFFER STRUCTURES	EA	176	1	627-40.00	CONSTRUCTION STAKEOUT	LS	1				
617-99.04a	CITY POLE (BIKE BUFFER AT INTERSECTIONS)	EA	24		804-10.00	36" PLANTING SOIL	CY	263				
618-10.00	MOBILIZATION & DEMOBILIZATION	LS	1	1	806-99.07	MULCH (2" THICK)	СҮ	22				
	BIKE RACKS	EA	12		808-99.02a	3" CALIPER TREE	EA	37				
620-00.13a	WATERBORNE PAVEMENT MARKING - 2'-0" PAINTED CROSSWALK STRIPING	LF	2270	1	808-99.02c	SHRUBS (3 GAL)	EA	74				
620-00.13b	WATERBORNE PAVEMENT MARKING - 2'-0" PAINTED STOP BAR	LF	453	1	808-99.02d	SLOW RELEASE WATER BAGS (2 PER TREE)	EA	74				
620-00.13c	WATERBORNE PAVEMENT MARKING - 1'-0" PAINTED CROSSWALK STRIPING	LF	650	1	808-99.02e	BELOW GRADE TREE ANCHOR STRAPS	EA	37				
620-00.22	WATERBORNE PAVEMENT MARKING - STRAIGHT ARROW(CYCLE TRACK)	EA	36		808-99.02f	BELOW GRADE TREE AERATION SYSTEM	EA	37				
620-00.49a	WATERBORNE PAVEMENT MARKING - STRAIGHT ARROW(STREET)	EA	7	1		TRAFFIC SIGNAL MAINTENANCE AND PROGRAMMING	LS	1				
620-00.49b	WATERBORNE PAVEMENT MARKING - STRAIGHT AND TURN ARROW	EA	7		902-49.75	VEHICLE DETECTION SYSTEM	EA	7				
620-00.99	MMA PAVEMENT MARKING - 2'-0" PAINTED GREEN CROSSWALK STRIPING	LF	748			TRAFFIC SIGN (LOCUST ST. AND 7TH ST.)	EA	2				
620-59.02a	WATERBORNE PAVEMENT MARKING - 4" PAINTED LANE AND PARKING STRIPING	LF	911		418000002GSI	NEW CURB/GRATE INLET (IN PLACE)	EA	4				
620-59.02b	WATERBORNE PAVEMENT MARKING - 4" PAINTED LANE STRIPING-SKIP DASH	LF	1348	1	4200012000ST	12" STORM SEWER PIPE (IN PLACE)	LF	78				
620-99.02a	WATERBORNE PAVEMENT MARKING - BIKE SYMBOL	EA	40			REMOVE INLET	EA	4				
620-99.02b	WATERBORNE PAVEMENT MARKING - SCOOTER SYMBOL	EA	40			REMOVE MANHOLE	EA	3				
9011106	BRACKET ARM, DUAL, 6FT	EA	3			48" DIAMETER CONCRETE MANHOLE	EA	3				
9013002	CONDUIT, 2 IN. RIGID, IN TRENCH	LF	2890			ASPHALT OVERLAY (2")	SY	9258				
9016110	PULL BOX, PREFORMED CLASS 1	EA	11	1		REMOVE AND RELOCATE FIRE HYDRANT	EA	2				
9017006	CABLE, 8 AWG, 1 CONDUCTOR	LF	9540			REMOVE AND REPLACE FIRE HYDRANT	EA	3				
9017110	CABLE, 10 AWG, 1 CONDUCTOR, POLE AND BRACKET	LF	1620			WATER DIVISION FEES FOR HYDRANT WORK	EA	19100				
9019902a	REMOVE AND SALVAGE EX. STREET LIGHT POLE, DUAL BRACKET ARM, AND LUMINAIRES	EA	3			NEW 6"X6" WATER LINE TAP	EA	1				
9019902b	REMOVE AND SALVAGE EX. DUAL BRACKET ARM AND LUMINAIRES	EA	6	1		EXISTING WATER TAP DESTRUCTION	EA	1				
9019902c	PEDESTRIAN LIGHT POLES AND LUMINAIRE, DIRECT BURY FOUNDATION	EA	28	1		6" WATER PIPE	LF	31				
9019902d	33' LIGHT POLE, DIRECT BURY FOUNDATION	EA	3	1	4180000002GRA	NEENAH R-3297-1 TYPE "L" GRATE OR APPROVED EQUAL	EA	2				
9019902e	LED ROADWAY LUMINAIRE	EA	6	1		•	•					
9019902g	SUBSTATION PANEL AND HARDWARE	EA	2	1								

ITEM NUM 216-40.0 304-01.4 608-10.1 609-10.1 608-60.09 622-10.1 9019902 9029902 9029902a 90299026

	SUMMARY OF QUANTITIES - LOCAL FUNDS								
MBER	DESCRIPTION	UNIT	QUANTITY						
0.00	CONCRETE CURB REMOVAL	LF	102						
1.43	TYPE 1 AGGREGATE FOR BASE (4 IN. THICK)	SY	134						
0.12	DETECTABLE WARNING PANELS	SF	32						
0.10	6" VERTICAL CURB AND GUTTER	LF	92						
.099A	10" PCC PAVEMENT	SY	45						
0.11	CONCRETE REMOVAL - SIDEWALK	SY	176						
902f	COLOR LED STRIP, BRACKET ARM MOUNTED	EA	40						
02v	CCTV CAMERA (SINGLE CAMERA) INSTALLED	EA	2						
02a1	CCTV CAMERA (DUAL CAMERA), INSTALLED	EA	3						
02e1	RELOCATE EXISTING LICENSE PLATE READER VIDEO CAMERA	EA	2						







	SUMMARY OF QUANTITIES - CMAQ 5436 (603)		
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
9011115	BRACKET ARM, 15 FT.	EA	7
9018613	POWER SUPPLY ASSEMBLY, TYPE 2, 240/120 VOLT SERVICE, LIGHTING AND SIGNALS	EA	$\sim$
9020213	SIGNAL HEAD, TYPE 3S	EA	<del>39-</del> 14
9020513	SIGNAL HEAD, TYPE 3B	EA	19
9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA	38
9020833	SH-FLAT SHEET - SIGNAL SIGN	SF	315
9020834	SIGNAL SIGN, MOUNTING HARDWARE	EA	40
9022651	LUMINAIRE LED-A, 120 VOLT COMPATIBLE	EA	7
9022708	POST, SIGNAL 8 FT.	EA	2
9022715	POST, SIGNAL 15 FT.	EA	22
9023125	POST, TYPE CL, 25 FT. ARM	EA	1
9023225	POST, TYPE C, 25 FT. ARM	EA	1
9023235	POST, TYPE C, 35 FT. ARM	EA	2
9023430	POST, TYPE BL, LONGEST ARM 30 FT.	EA	1
9023435	POST, TYPE BL, LONGEST ARM 35 FT.	EA	1
9023450	POST, TYPE BL, LONGEST ARM 50 FT.	EA	1
9024283	CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EA	3
9025200	CONDUIT, 2 IN., TRENCH WITH TRACER WIRE	LF	580
9025400	CONDUIT, 4 IN., TRENCH WITH TRACER WIRE	LF	640
9027200	CONDUIT, 2 IN., PUSHED WITH TRACER WIRE	LF	1,900
9027400	CONDUIT, 4 IN., PUSHED WITH TRACER WIRE	LF	1,120
9028100	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	LF	670
9028208	CABLE, 8 AWG 1 CONDUCTOR, POWER	LF	1,060
9028302	CABLE, 12 AWG 2 CONDUCTOR	LF	1,040
9028308	CABLE, 16 AWG 2 CONDUCTOR	LF	6,720
9028310	CABLE, 16 AWG 5 CONDUCTOR	LF	6,160
9028311	CABLE, 16 AWG 7 CONDUCTOR	LF	10,760
9028810	PULL BOX, PREFORMED CLASS 1	EA	1
9028811	PULL BOX, PREFORMED CLASS 2	EA	18
9028812	PULL BOX, PREFORMED CLASS 3	EA	5
9028816	PULL BOX, PREFORMED CLASS 5	EA	6
9029100	BASE, CONCRETE	CU YD	33
9029902a	INTERCEPT EXISTING CONDUIT WITH NEW CONDUIT SPLICE	EA	2
9029902b	POST, SIGNAL 4 FT.	EA	10
9029902c	APS UNIT W/ SIGN	EA	44
9029902d	REMOVE EXISTING PULLBOX	EA	10

	SUMMARY OF QUANTITIES - CMAQ 5436 (603)		
ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
9029902e	REMOVE EXISTING MAST ARM MOUNTED SIGN	EA	8
9029902f	REMOVE EXISTING POST MOUNTED SIGN	EA	8
9029902g	REMOVE EXISTING MAST ARM AND POLE	EA	4
9029902h	REMOVE EXISTING SIGNAL POST	EA	20
9029902i	REMOVE EXISTING SIGNAL HEAD	EA	24
9029902j	REMOVE EXISTING PEDESTRIAN HEAD	EA	38
9029902k	REMOVE EXISTING APS UNIT W/ SIGN	EA	12
90299021	REMOVE EXISTING SIGNAL CABINET	EA	3
9029902m	REMOVE EXISTING CONCRETE FOUNDATION	EA	23
90299020	HARDENED ETHERNET SWITCH - LAYER 2	EA	4
9029902p	FUSION SPLICE, SINGLE MODE	EA	168
9029902q	FIBER OPTIC PIGTAIL, SINGLE MODE	EA	168
9029902r	FIBER OPTIC PIGTAIL, MULTI MODE	EA	168
9029902s	RACK-MOUNTED INTERCONNECT CENTER	EA	5
9029902t	FIBER OPTIC JUMPER, SINGLE MODE	EA	30
9029902u	FIBER OPTIC JUMPER, MULTI MODE	EA	16
9029902v	CCTV CAMERA (SINGLE CAMERA) INSTALLED	EA	3
9029902w	SIGNAL HEAD, BICYCLE, TYPE 3S	EA	25
9029903x	FIBER OPTIC CABLE, 48 STRAND SINGLE MODE / 24 STRAND MULTI-MODE	LF	2,330
9029902y	FUSION SPLICE, MULTI MODE	EA	168
9029902z	REMOVE EXISTING PTZ CAMERA	EA	4
9029902b1	RELOCATE EXISTING FIBER OPTIC CABLE	LF	1,020
9029902c1	REMOVE EXISTING WIRELESS APPCC-SPP RADIO	EA	5
9029902d1	RELOCATE EXISTING MAST ARM MOUNTED SIGN	EA	1

CITY OF SAINT LOUIS MISSOURI
Downtown SIL, Inc.
davidmason.com800 South Vandeventerp (314) 534-1030St. Louis, Missouri 63110f (314) 534-1053David Mason and Associates, Inc.Missouri Certificate of Authority Number:Engineer:001103, Architect:000620, Survey:000336
10 South Broadway, Suite 200 St. Louis, MO 63102 USA t +1 314 421 2000 f +1 314 421 6073 Hellmuth, Obata & Kassabaum, Inc Missouri State Certificate of Authority: Architect: 200702369, Structural: 000633, Landscape: 00039
LOCHMUELLER
411 North 10th Street, Suite 200p (314) 621-3395St. Louis, Missouri 63101f (314) 621-3288Lochmueller GroupMissouri Certificate of Authority Number: 2002011852
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STREET PROVEMENT LOUIS, MISSOUR
7th S IMPF st. Lo
Professional Seal:
TYSON W. KING
NUMBER BE-2008002177
CONAL ENGLAND
11-27-23 This document is only part of the total contract and/or construction document package. Other documents could
construction document package. Other documents could contain information that may not be depicted here. The general contractor is responsible to provide all bidders with all information and documents pertaining to the complete scope of work.
The seal(s) and signature(s) apply only to the document to which they are affixed, and expressly disclaim any responsibility for all other plans, specifications, estimates, reports or other documents or instruments relation to or parts of the Architectural or
or instruments relating to or parts of the Architectural or Engineering project. No. Description Date
IFB 05/05/23   1 ADDENDUM 1 11/27/23
A SHEETS
Date: 01/11/23
Project Number:2016040-00Designed By:JFG
Drawn By: NPB Checked By: MED
Sheet Number:

MSD NO. 21MSD-00333 MSD BASE MAP 20D

ADDENDUM 1

									<u>SIP 5</u>		<u>)4)</u>									
608-60.099a 5" PCC SI		1		1	617-99.04a CITY POLE					620-99.04b MMA	PAVEMENT MARKING	- PAINTED GR			ACK	808-99.02c SHRUB	6 (3 GAL)	1 1		
LOCATION			QUANTITY	DEMADIZO		0.7.4		QUANTITY	DEMADIZO	LOCATI								OTA	QUANTITY	
7TH STREET	<b>STA</b> 0+00	STA 4+25	<b>S.Y.</b> 661.4	REMARKS	7TH STREET	STA 0+00	<b>STA</b> 4+25	<b>EA</b> 6.0	REMARKS	7TH STREET		<b>TA ST</b> +00 4+2		L.F.	REMARKS		STA 0±00	<b>STA</b> 4+25	<b>EA</b>	REMARKS
7TH STREET	4+25	4+25 9+00	584.0		7TH STREET	0+00	9+00	4.0		7TH STREET		+00 4+, +25 9+(		0.0		7TH STREET 7TH STREET	0+00	9+00	12.0 36.0	+
7TH STREET	9+00	14+00	1162.9		7TH STREET	9+00	14+00	6.0		7TH STREET		+00 14+		20.0		7TH STREET	9+00	9+00 14+00	22.0	+
7TH STREET	14+00	19+00	163.2		7TH STREET	14+00	19+00	6.0		7TH STREET		+00 19+		20.0		7TH STREET	14+00	19+00	4.0	
7TH STREET	19+00	21+00	80.2		7TH STREET	19+00	21+00	2.0		7TH STREET		)+00 21+		0.0		7TH STREET	19+00	21+00	0.0	
	10.00	TOTAL:	2,652.0			10.00	TOTAL:	24.0					DTAL:	40.0			10.00	TOTAL:	74.0	
			2,002.0				TOTAL:	2-1.0						+0.0				TOTAL		
608-60.099c 5" PCC SI	BIDEWALK (RAIL)	WAY EXCHAN	GE BUILDING)	$\wedge$	620-00.13a WATERBO	RNE PAVEMEN	NT MARKING - 2	'-0" PAINTED CF	ROSSWALK STRIPING	620-99.04c MMA	PAVEMENT MARKING	- PAINTED GR	EEN 10 FT	WIDE CYCLE T	RACK	808-99.02d SLOW R		BAGS (2 PER	TREE)	
			QUANTITY	$\sqrt{1}$				QUANTITY					G	UANTITY					QUANTITY	
LOCATION	STA	STA	S.F.	REMARKS	LOCATION	STA	STA	L.F.	REMARKS	LOCATI	ON S	STA ST	A	L.F.	REMARKS	LOCATION	STA	STA	EA	REMARKS
7TH STREET	0+00	4+25	non	Ý	7TH STREET	0+00	4+25	770.0		7TH STREET	0	+00 4+2	25	60.0		7TH STREET	0+00	4+25	12.0	
7TH STREET	4+25	9+00	0.0		7TH STREET	4+25	9+00	280.0		7TH STREET	4	+25 9+	00	40.0		7TH STREET	4+25	9+00	36.0	
7TH STREET	9+00	14+00		<b>\</b>	7TH STREET	9+00	14+00	580.0		7TH STREET	9	+00 14+		60.0		7TH STREET	9+00	14+00	22.0	
7TH STREET	14+00	19+00	134.0	5	7TH STREET	14+00	19+00	250.0		7TH STREET		+00 19+		20.0		7TH STREET	14+00	19+00	4.0	
7TH STREET	19+00	21+00	0.0		7TH STREET	19+00	21+00	390.0		7TH STREET	19	)+00 21+		20.0		7TH STREET	19+00	21+00	0.0	
		TOTAL	134.0				TOTAL:	2,270.0				ТС	TAL:	200.0				TOTAL:	74.0	
620 50 02h WATERBO				NE AND PARKING STRIPING	620 00 42b WATERBO			2'-0" PAINTED ST		608 40 42 DETE	CTABLE WARNING PA	NELS				808 00 020 BELOW				
620-59.02D			1		620-00.13b WATERBO					608-10.12 DETE						808-99.02e BELOW			1	
	STA	STA	QUANTITY L.F.	REMARKS	LOCATION	STA	STA	QUANTITY L.F.	REMARKS	LOCATI	ON c	TA ST			REMARKS		STA	STA	QUANTITY EA	REMARKS
7TH STREET	0+00	4+25	340.0		7TH STREET	0+00	4+25	139.0		7TH STREET		+00 4+2		105.0		7TH STREET	0+00	4+25	6.0	
7TH STREET	4+25	9+00	290.0		7TH STREET	4+25	9+00	62.0		7TH STREET		+25 9+0		0.0		7TH STREET	4+25	9+00	18.0	+
7TH STREET	9+00	14+00	157.0		7TH STREET	9+00	14+00	110.0		7TH STREET		+00 14+		207.0		7TH STREET	9+00	14+00	11.0	+
7TH STREET	14+00	19+00	124.0		7TH STREET	14+00	19+00	65.0		7TH STREET		+00 19+		113.0		7TH STREET	14+00	19+00	2.0	+
7TH STREET	19+00	21+00	0.0		7TH STREET	19+00	21+00	77.0		7TH STREET		)+00 21+		50.0		7TH STREET	19+00	21+00	0.0	+
		TOTAL	911.0				TOTAL:	453.0					DTAL:	475.0				TOTAL:	37.0	
		<u> </u>					II	]				<u> </u>	<u>I</u>					<u> </u>		<b>_</b>
609-10.10 6" VERTIC	ICAL CURB AND	GUTTER			620-00.99 MMA PAVE	MENT MARKIN	NG - 2'-0" PAINT	ED GREEN CRO	SSWALK STRIPING	301-01.43 TYPE	1 AGGREGATE FOR B	ASE (4 IN. THI	CK)			808-99.02f BELOW	GRADE TREE AE	RATION SYST	EM	
			QUANTITY					QUANTITY					G						QUANTITY	
LOCATION	STA	STA	L.F.	REMARKS	LOCATION	STA	STA	L.F.	REMARKS	LOCATI	ON S	STA ST	A	S.Y.	REMARKS	LOCATION	STA	STA	EA	REMARKS
7TH STREET	0+00	4+25	440.0		7TH STREET	0+00	4+25	171.0		7TH STREET	0	+00 4+;	25	745.4		7TH STREET	0+00	4+25	6.0	
7TH STREET	4+25	9+00	480.0		7TH STREET	4+25	9+00	171.0		7TH STREET	4	+25 9+0	00	716.6		7TH STREET	4+25	9+00	18.0	
7TH STREET	9+00	14+00	623.0		7TH STREET	9+00	14+00	153.0		7TH STREET	9	+00 14+	00	1308.4		7TH STREET	9+00	14+00	11.0	
7TH STREET	14+00	19+00	194.0		7TH STREET	14+00	19+00	253.0		7TH STREET	14	+00 19+	00	187.4		7TH STREET	14+00	19+00	2.0	
7TH STREET	19+00	21+00	88.0		7TH STREET	19+00	21+00	0.0		7TH STREET	19	9+00 21+		97.2		7TH STREET	19+00	21+00	0.0	
		TOTAL:	1,825.0				TOTAL:	748.0				ТС	TAL:	3,055.0				TOTAL:	37.0	
620-59.02A WATERBO				NE STRIPING-SKIP DASH	620-00.22 WATERBO				W (CYCLE TRACK)	808-99.02a 3" CA						622 40 00o EUL D				
620-59.02A WATERDO										808-99.02a   5 CA			6			622-10.99a FULL DI			QUANTITY	
LOCATION	STA	STA	L.F.	REMARKS	LOCATION	STA	STA	EA	REMARKS	LOCATI	ON S	TA ST		EA	REMARKS		STA	STA	C.Y.	REMARKS
7TH STREET	0+00	4+25	198.0		7TH STREET	0+00	4+25	8.0		7TH STREET		+00 4+2	25	6.0		7TH STREET	0+00	4+25	13.3	
7TH STREET	4+25	9+00	285.0		7TH STREET	4+25	9+00	8.0		7TH STREET	4	+25 9+0	00	18.0		7TH STREET	4+25	9+00	21.9	
7TH STREET	9+00	14+00	334.0		7TH STREET	9+00	14+00	12.0		7TH STREET	9	+00 14+	00	11.0		7TH STREET	9+00	14+00	20.5	
7TH STREET	14+00	19+00	406.0		7TH STREET	14+00	19+00	6.0		7TH STREET	14	+00 19+	00	2.0		7TH STREET	14+00	19+00	2.2	
7TH STREET	19+00	21+00	125.0		7TH STREET	19+00	21+00	2.0		7TH STREET	19	)+00 21+	00	0.0		7TH STREET	19+00	21+00	9.5	
		TOTAL:	1,348.0				TOTAL:	36.0				тс	DTAL:	37.0				TOTAL:	68.0	
																		<b>O</b> III)		
617-99.04b RAISED BI					620-00.49b WATERBO						RACKS	I				622-10.99b PAVEM		0") I I		
LOCATION			QUANTITY	DEMADIZE			CTA	QUANTITY	DEMARKS	LOCATI					DEMADIZE		STA	OT A	QUANTITY	
7TH STREET	STA	STA 4+25	<b>EA</b>	REMARKS	7TH STREET	STA	STA 4125	EA	REMARKS	7TH STREET		STA ST		<b>EA</b>	REMARKS	7TH STREET	STA	STA 4+25	C.Y.	REMARKS
7TH STREET	0+00	4+25 9+00	27.0 49.0		7TH STREET	0+00	4+25 9+00	2.0		7TH STREET		+00 4+2 +25 9+0		2.0 3.0		7TH STREET	0+00	4+25 9+00	32.8 51.9	+
7TH STREET	9+00	14+00	49.0		7TH STREET	9+00	14+00	2.0		7TH STREET		+00 14+		5.0		7TH STREET	9+00	14+00	56.8	
7TH STREET	14+00	19+00	43.0		7TH STREET	14+00	19+00	2.0		7TH STREET		+00 14+		1.0		7TH STREET	14+00	19+00	9.7	+
7TH STREET	19+00	21+00	15.0		7TH STREET	19+00	21+00	0.0		7TH STREET		)+00 21+		1.0		7TH STREET	19+00	21+00	5.0	+
L		TOTAL:	176.0				TOTAL:	7.0					DTAL:	12.0				TOTAL:	157.0	+
			L	<b>_</b>			L							-						-
					620-00.49a WATERBO		NT MARKING - S	STRAIGHT ARRO	OW (STREET)	602-99.02a WATE	RBORNE PAVEMENT	MARKING - SC	OOTER SY	MBOL		804-10.00 36" PLA	NTING SOIL	·		
								QUANTITY					G	UANTITY					QUANTITY	
					LOCATION	STA	STA	EA	REMARKS	LOCATI	ON S	STA ST	A	EA	REMARKS	LOCATION	STA	STA	CU.YD.	REMARKS
					7TH STREET	0+00	4+25	0.0		7TH STREET	0	+00 4+2		10.0		7TH STREET	0+00	4+25	42.7	4
					7TH STREET	4+25	9+00	1.0		7TH STREET		+25 9+0		8.0		7TH STREET	4+25	9+00	127.0	
					7TH STREET	9+00	14+00	4.0		7TH STREET		+00 14+		12.0		7TH STREET	9+00	14+00	78.2	
					7TH STREET	14+00	19+00	2.0		7TH STREET		l+00 19+		6.0		7TH STREET	14+00	19+00	14.2	
					7TH STREET	19+00	21+00	0.0		7TH STREET	19	)+00 21+		4.0		7TH STREET	19+00	21+00	0.0	+
							TOTAL:	7.0					DTAL:	40.0				TOTAL:	263.0	
620-99.04d MMA PAVE	EMENT MARKIN		GREEN 10 FT WI	DE BIKE BOX	620-00 04E MM				HITE (CYCLE TRACK)	]	620 00 045 MMAA		RKING - 4		LOW STRIPING SKIP DAS					
					020-33.04E						0∠0-99.04T  ₩IWIA									
LOCATION		STA		L.F. REMARKS		ATION	STA	STA		REMARKS	LOCATI	ON	STA	STA	L.F.	REMARKS				
7TH STREET / WALNUT ST				20.0	7TH STREET		0+00		76.0		7TH STREET		0+00		279.0		OF N	Alse	A DECEMBER OF THE OWNER OWNER OF THE OWNER	FMIC
7TH STREET / WASHINGTO				20.0	7TH STREET		4+25		76.0		7TH STREET		4+25		415.0		TE	Uph	ELSTE U	07/23
L	I			40.0	7TH STREET		9+00		68.0		7TH STREET		9+00		383.0		TYSO			NETH G.
		L			7TH STREET		14+00		36.0		7TH STREET		14+00		446.0		× KII	NG IBER	NUN	ANDL
										•						I			the second se	L'UI
					7TH STREET		19+00	21+00	0.0		7TH STREET		19+00	) 21+00	126.0		2 BE-200	8002177	75 PLA-2	2021010675
					7TH STREET		19+00	21+00 <b>TOTAL</b> :						) 21+00 <b>TOTA</b> I			E PE-200	8002177	750 PLA-2	DISCAPE N

ACK)	
S	







MSD NO. 21MSD-00333 MSD BASE MAP 20D

Checked By: Sheet Number:

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