



ADDENDUM NUMBER 2

Project Number 70142206

Project Title Independence and Benton Boulevard Intersection
Federal Project No. STP 3434 (402) and TIP No. 611169

County Jackson

ISSUE DATE: **February 1, 2016**

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on WEDNESDAY, **February 3, 2016**, are amended as follows:

Information to Bidders The following is provided to Bidders for information only:

Q1. Please refer to the details for the "Boulevard Marker"/Sheet 58 (L204) of Addendum #1: The detail 1a shows "cut limestone cap" and "splitface limestone brick". The specifications indicate all of this material to be cast stone. The existing "Boulevard Markers" are made of cast stone material. Please specify which material is to be used.

A1: Cast stone as noted in the specifications.

Specifications

Replace Section 00412 Unit Prices, attached. The Unit Prices form has been revised by this addendum to add the bid items 133A, 133B, 133C and 133D for the Pedestrian Presence Detection System.

Section 06110 Advanced Transportation Management System: Add the following specifications and bid items to this section.

Pedestrian Presence Detection System

Pedestrian Presence Detection system shall be capable of intelligently detecting pedestrian presence within a 15' X 15' area adjacent to the APS unit when mounted at 12' height.

Pedestrian Presence Detection System for each of the crosswalk shall include the following:

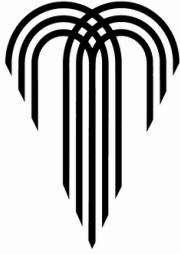
- A. Sensors and processing units with TCP/IP interface.
- B. Manufacturer recommended:
 - a. 1000' cable
 - b. Surge protection.

- c. Power supply.
 - d. Mounting brackets.
 - e. Software license, if required, to remotely access and manage the system.
- C. Configuration and installation support.

Measurement: The Pedestrian Presence Detection system shall be measured per each for the bid items Pedsense Imager, BPL Processing Card and Sensor Interface Panel, and per linear foot for Sensor cable. No other items required to provide/construct a fully installed and functioning system will be measured for payment.

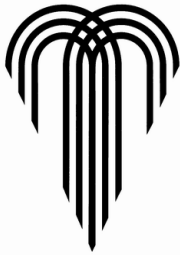
Payment: Installation costs and other miscellaneous items required to construct the complete Pedestrian Presence Detection system and configure it so that it is functional shall be subsidiary to the bid item "Pedsense Imager".

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the Bid Form - Document 00410.

CITY OF FOUNTAINS
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MISSOURI**UNIT PRICES****PROJECT NO. STP 3434 (402)****PROJECT TITLE: Independence Blvd. & Benton Blvd. Intersection****NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.**

Item No.	Unit	Quantity	Item Description:	Unit	Extension
GENERAL					
1.	LS	1	G - Mobilization		
2.	LS	1	G - Staking		
3.	EA	1	G- Field Office		
DEMOLITION					
4.	LS	1	D - Removals		
TRAFFIC CONTROL					
5.	SF	209	TC - Construction Signs		
6.	SF	292	TC - Relocated Signs		
7.	EA	20	TC - Channelizer		
8.	EA	1	TC - Type III Moveable Barricade with Lights		
8.	EA	5	TC - Type II Moveable Barricade		
9.	LF	2583	TC - Preformed Removable Marking Tape 4 inches (White)		
10.	LF	1966	TC - Preformed Removable Marking Tape 4 inches (Yellow)		
11.	LF	157	TC - Preformed Removable Marking Tape 24 inches (White)		
12.	LF	764	TC - Pavement Marking Removal		
13.	EA	6	TC - Proximity Activated Voice Device		
PAVING					
14.	SY	3996	P - Asphaltic Concrete Surface Course (Type 301) (2")		
15.	SY	300	P - Concrete Base (9")		
16.	SY	3682	P - 2" Milling		
17.	SY	27	P - Bituminous Pavement Patch (Parking Lot)		
PAVERS & CONCRETE					
18.	SF	2486	P&C - Commercial Entrance (Type VI)		
19.	SF	5400	P&C - Concrete Paver w/4" concrete & gravel base (sand set)		
20.	SF	780	P&C - Concrete Paver w/8" concrete & gravel base (sand set)		
21.	SF	2600	P&C - 4" Concrete Sidewalk		
22.	SF	1100	P&C - Sidewalk Ramps		
23.	LF	882	P&C - Concrete Curb PS1		
24.	LF	465	P&C - Concrete Curb PS1 (Modified)		
25.	LF	156	P&C - Tree Well Curb		
26.	LF	450	P&C - Edge Restraint Curb (8")		
27.	EA	6	P&C - Concrete Median Nose		
28.	EA	8	P&C - Clay Tile Lettering (Street Names) 8 Locations		
29.	EA	33	P&C - Metal Post Wall Footings		
30.	EA	2	P&C - BMP Basin		

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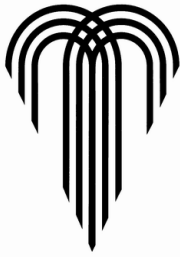
UNIT PRICES

PROJECT NO. STP 3434 (402)

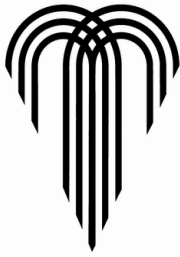
PROJECT TITLE: Independence Blvd. & Benton Blvd. Intersection

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

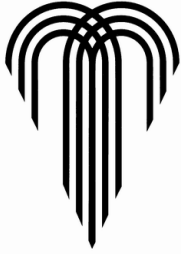
Item No.	Unit	Quantity	Item Description:	Unit	Extension
STONE MASONRY					
31.	LF	18	SM - Seat Walls & Cap (w/footing)		
32.	EA	12	SM - Wall Pedestals & Caps (w/footing)		
33.	EA	2	SM - Boulevard Marker		
METAL FABRICATION					
34.	EA	20	MF - Wall (4'x8' Panels)		
35.	EA	54	MF - Wall Metal Posts		
36.	EA	27	MF - Plasma Cutting (of wall panels)		
37.	EA	9	MF - BMP Grates (24" x 1" x 12" w panel		
SITE FURNISHINGS					
38.	EA	4	SF - Trash Receptacles		
RELOCATIONS					
39.	EA	1	R - Fire Hydrant (Relocation)		
STORM SEWERS					
40.	LF	151	SS - 12" Class III RCP		
41.	EA	5	SS - 5' x 3' Curb Inlet		
42.	EA	2	SS - 4' x 4' Junction Box		
43.	EA	1	SS - Grate Inlet		
STREET LIGHTING					
44.	EA	3	SL - 30 Foot Dark Bronze Aluminum Pole		
45.	EA	4	SL - Screw Anchor Base for 30' Light Pole		
46.	EA	7	SL - Type II Junction Box KCMO		
47.	EA	1	SL - Lighting Controller - Pad Mounted		
48.	EA	1	SL - Lighting Controller Foundation		
49.	EA	1	SL - Ground Rod for Lighting Controller		
50.	EA	4	SL - Ground Rod for Light Pole		
51.	EA	1	SL - Photo Cell		
52.	EA	3	SL - Shoe Box 250 W HPS, 240 V, Type III		
53.	EA	6	SL - 400 Watt Cobra Head		
54.	EA	2	SL - 250 Watt Cobra Head		
55.	EA	750	SL - 2" Schedule 40 PVC Conduit		
56.	LF	850	SL - 3c #4 Distribution Cable		
57.	LF	900	SL - 1c #10 Pole & Bracket Cable		
58.	EA	4	SL - 6" Anti-theft Cable Retainer		
59.	LF	670	SL - Trench and Backfill		
60.	EA	10	SL - Conduit Markers		
61.	EA	30	SL - Wire Connectors at Pole Base		
62.	EA	6	SL - ID Tags		
63.	EA	20	SL - Connector Kit, Fused		
64.	EA	10	SL - Connector Kit, Unfused		
65.	LF	45	SL - Trench and Backfill (For Service Conduit System)		
66.	LF	60	SL - 3" PVC for Service Conductors		

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Item No.	Unit	Quantity	Item Description:	Unit	Extension
67.	LF	240	SL - 1c #2 for Service		
68.	EA	1	SL - Light Pole Relocation		
69.	LF	80	SL - Bore Conduit (2")		
70.	LF	15	SL - Bore Conduit (3")		
			DECORATIVE LIGHTING		
71.	EA	6	DL - 14.5 Feet Aluminum Pole		
72.	EA	6	DL - Screw Anchor Base for 14.5 foot Light Pole		
73.	EA	2	DL - Architectural Flood		
74.	EA	17	DL - Inground LED		
75.	EA	10	DL - Type II Junction Box KCMO		
76.	EA	1	DL - Lighting Controller - Pad Mounted		
77.	EA	1	DL - Lighting Controller Foundation		
78.	EA	1	DL - Ground Rod for Lighting Controller		
79.	EA	6	DL - Ground Rod for Light Pole		
80.	EA	1	DL - Photo Cell		
81.	EA	6	DL - Decorative Luminaire, 70 W HPS, 240 V		
82.	LF	125	DL - 3/4" Schedule 40 PVC Conduit		
83.	LF	650	DL - 2" Schedule 40 PVC Conduit		
84.	LF	700	DL - 3c #8 Distribution Cable		
85.	LF	270	DL - 1c #10 Pole & Bracket Cable		
86.	LF	150	DL - 3c #10 Distribution Cable		
87.	EA	6	DL - 4" Anti-theft Cable Retainer		
88.	LF	650	DL - Trench and Backfill		
89.	EA	8	DL - Conduit Markers		
90.	EA	18	DL - Wire Connector at Pole Base		
91.	EA	12	DL - Connector Kit, Fused		
92.	EA	6	DL - Connector Kit, Unfused		
93.	LF	15	DL - Bore Conduit (3")		
94.	LF	45	DL - Trench & Backfill (For Service Conduit System)		
95.	LF	60	DL - 3" PVC for Service Conductors		
96.	LF	240	DL - 1c #2 for Service		
			TRAFFIC SIGNAL		
97.	EA	1	TS - Power Supply (Type 332L)		
98.	EA	1	TS - Signal Controller (Type ASC/3 RM)		
99.	CY	14	TS - Concrete for Base		
100.	EA	5	TS - Type II Pull Box		
101.	EA	2	TS - Mast Arm Length 38 feet		
102.	EA	1	TS - Mast Arm Length 26 feet		
103.	EA	1	TS - Mast Arm Length 28 feet		
104.	EA	1	TS - Lighting Pole		
105.	EA	3	TS - Pedestals		
106.	EA	16	TS - Signal Heads 3 Section		

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Item No.	Unit	Quantity	Item Description:	Unit	Extension
107.	EA	2	TS - Signal Heads 5 Section		
108.	EA	8	TS - Push Button Detector w/signs		
109.	EA	8	TS - Countdown Pedestrian Signal Heads		
110.	EA	4	TS - Video Detection Camera		
111.	EA	4	TS - Opticom		
112.	EA	1	TS - PTZ Camera		
113.	EA	4	TS - Internally Illuminated Street Name Sign		
114.	EA	5	TS - 400 Watt HPS Luminaire and 6' arm		
115.	LF	727	TS - 2" Trenched Conduit		
116.	LF	1410	TS - 3" Trenched Conduit		
117.	LF	606	TS - 4" Trenched Conduit		
118.	LF	32	TS - 1c #8 Power Cable		
119.	LF	1345	TS - 3c #8 Power Cable (Lighting)		
120.	LF	210	TS - 2c #10 Power Cable (Lighting)		
121.	LF	2269	TS - 5c #14 Signal Cable		
122.	LF	4354	TS - 7c #14 Signal Cable		
123.	LF	3541	TS - 2c #14 Det. Lead-In Cable		
124.	LF	1936	TS - Fiber Optic Cable (96 count with tracer wire)		
125.	LF	302	TS - 3" Fiber Optic Conduit		
126.	EA	2	TS - Internet 1000mbps Ethernet Switch		
127.	EA	2	TS - Interconnect Underground Splice Enclosure with up to 8 splices each		
128.	EA	44	TS - Splices		
129.	EA	2	TS - Interconnect 8 fiber LC port portable fiber optic interface panel with 200 ITS drop cable		
130.	EA	2	Type III Pull Box		
131.	LF	1390	TS - 3c #16 Video Cable		
132.	LF	1390	TS - Coax Video Cable		
133.	LF	421	TS - PTZ Camera Cable		
133A.	EA	8	Pedsense Imager		
133B.	EA	1	BPL Processing Card		
133C.	EA	1	Sensor Interface Panel		
133D.	LF	1000	Sensor Cable		
PAVEMENT MARKING & SIGNING					
134.	LF	817	PM&S - 4" White Solid Thermoplastic Pavement Marking		
135.	LF	100	PM&S - 6" White Solid Thermoplastic Pavement Marking		
136.	LF	360	PM&S - 24" White Solid Thermoplastic Pavement Marking		
137.	LF	399	PM&S - 4" Yellow Solid Thermoplastic Pavement Marking		
138.	EA	5	PM&S - White Cold Plastic Left Turn Arrow		
139.	EA	2	PM&S - White Cold Plastic Right Turn Arrow		

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Item No.	Unit	Quantity	Item Description:	Unit	Extension
140.	EA	4	PM&S - White Cold Plastic "BIKE" Symbol		
141.	SF	51	PM&S - Traffic Signs		
142.	EA	14	PM&S - Sign Post		
			LANDSCAPING		
143.	EA	10	L - Green Vase Zelkova (4" Cal)		
144.	EA	69	L - Bonanza Gold Barberry (1 gal)		
145.	EA	137	L - Green Mound Juniper (1 gal)		
146.	EA	541	L - Scouring Rush Horsetail (1 gal)		
147.	CY	63	L - BMP Soils		
148.	CY	13	L - BMP Gravel Base		
149.	CY	4	L - BMP Sand Layer		
150.	LF	144	L - Sub-Drainage Piping (4" Solid); filter fabric wrapped		
151.	EA	18	L - Sub-Drainage Cleanouts		
152.	LF	515	L - Sub-Drainage Piping (4" Perf); filter fabric wrapped		
153.	CY	65	L - Planting Soil Mix		
154.	TON	4	L - Decorative Rock (Road BMP's); 200 sf @ 4" depth		
155.	SF	5000	L - Turf Seed		
156.	SF	2000	L - Filter Fabric		
			Total Unit Prices: (LAST PAGE ONLY)		

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.