



City of Richmond Heights - Department of Public Works

7997 Elinor Avenue • Richmond Heights, MO 63117 • (314) 645-2277

## ADDENDUM #1

**DATE:** December 2, 2020

**SUBJECT:** Addendum #1  
**McKnight Road Improvement Project**  
**STP-5609 (615) & TAP-5412(605)**

To all Bidders:

The following changes, additions and/or deletions are hereby made to the contract documents for the above referenced project. **Acknowledgement of Addendum #1 must be made on the Bid Form by an authorized representative of the Bidder, or the bid may be considered unresponsive and subject to disqualification.**

### Revision #1

Add the following traffic signal pay items to the Bid Form that are listed on Plan Sheet No. 37 (Traffic Signal Quantities, Sheet 3 of 3).

- Item No. 904-49.51**      **Pan Tilt Zoom (PTZ) Internet Protocol Video Surveillance Camera System (Camera w/ Bracket Managed Ethernet Switch and Misc. Codes) - 1 EACH**
- Item No. 904-49.52**      **Software License, PTZ Camera - 1 EACH**

Attached is the updated Bid Form to be used for bidding purposes.

**END ADDENDUM #1**

Best Regards,

Chris Boyd, P.E.  
Director of Public Works  
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## McKNIGHT ROAD IMPROVEMENTS - BID FORM

SPEC.	ITEM NUMBER	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	ITEM COST
<b>ROADWAY ITEMS</b>						
STLCO	201-20.22	TREE REMOVAL, 6"-15"	EA		4	
STLCO	201-20.23	TREE REMOVAL, OVER 15"	EA		5	
STLCO	202-20.10	REMOVAL OF IMPROVEMENTS	LS		1	
STLCO	202-22.95	SAWCUT (ANY DEPTH/MATERIAL)	LF		4924	
STLCO	203-10.00	CLASS "A" EXCAVATION	CY		1128.8	
STLCO	203-10.30	LAND DISTURBANCE PERMITS	LS		1	
STLCO	203-60.00	COMPACTING EMBANKMENT	CY		405	
STLCO	203-70.00	COMPACTING IN CUT	CY		1129	
STLCO	204-60.10	EMBANKMENT IN PLACE	CY		405	
STLCO	206-30.00	CLASS 4 EXCAVATION	CY		412	
STLCO	304-05.04	TYPE 5 AGGREGATE BASE (4" THICK)	SY		2722.8	
STLCO	404-09.04	SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP95 (PG 70-22)D	TON		998	
STLCO	404-12.72	SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP125 (PG 70-22)DLP	TON		1392	
STLCO	405-30.10	TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	TON		73.8	
STLCO	405-30.30	TYPE "X" BITUMINOUS CONCRETE (BASE)	TON		195	
STLCO	405-30.25	ASPHALT PAVEMENT REPAIR	SY		160	
STLCO	407-10.27	TACK-EMULSIFIED ASPHALT (SS-1H)	GAL		2030	
STLCO	412-10.04	PAVEMENT SURFACING AND TEXTURING (0" to 4"), CONCRETE OR ASPHALT	SY		6407	
STLCO	412-10.06	PAVEMENT SURFACING AND TEXTURING (0" to 6"), CONCRETE OR ASPHALT	SY		8566	
STLCO	502-11.06	CONCRETE PAVEMENT (6" NON-REINFORCED)	SY		139.1	
STLCO	606-10.10	GUARDRAIL, TYPE "A"	LF		231	
STLCO	606-30.95	CRASHWORTHY GUARDRAIL TERMINAL	EA		6	
STLCO	607-10.60	PEDESTRIAN FENCE (STRUCTURE)	LF		256	
STLCO	608-15.20	CONCRETE ISLAND (MONOLITHIC)	SY		75.4	
STLCO	608-50.06	PAVED APPROACH (6")	SY		429.9	
STLCO	609-10.10	CONCRETE CURB, TYPE "S"	LF		620	
STLCO	609-10.53	CURB AND GUTTER, VERTICAL	LF		3544	
STLCO	609-10.53	CURB AND GUTTER, VERTICAL (MODIFIED FOR 8" HEIGHT W/GUTTER OVERLAY)	LF		325	
STLCO	609-10.54	CURB AND GUTTER, MOUNTABLE (6") (ROLLED)	LF		39	
STLCO	609-20.11	INTEGRAL CURB (6" HEIGHT AND UNDER) (ROLLED AND VERTICAL)	LF		99	
STLCO	609-30.10	ASPHALT CURB	LF		1087	
STLCO	611-50.30	HEAVY STONE REVETMENT	SY		32.7	
STLCO	612-30.10	STANDARD TRAFFIC CONTROL DEVICES	LS		1	
STLCO	612-60.92	ARROW PANEL, TYPE "B" (NOISELESS), RENTAL	EA		2	
STLCO	619-00.00	MOBILIZATION	LS		1	
MODOT	627-40.00	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS		1	
STLCO	703-90.15	MODULAR BLOCK WALL (H<4')	SF		572	
STLCO	803-10.00	SODDING	SY		1808	
STLCO	806-20.00	PERMANENT EROSION CONTROL BLANKET	SY		278	
STLCO	806-30.01	ROCK DITCH CHECK	EA		8	
STLCO	806-45.08	INLET PROTECTION DEVICE, SINGLE UNIT - FILTER SOCK/ROLL	EA		16	
STLCO	806-45.09	INLET PROTECTION DEVICE, DOUBLE UNIT - FILTER SOCK/ROLL	EA		4	
STLCO	806-45.12	INLET PROTECTION DEVICE, SINGLE UNIT - FABRIC DROP	EA		6	
STLCO	806-70.00	SILT FENCE	LF		907	
<b>ROADWAY SUBTOTAL</b>						

SPEC.	ITEM NUMBER	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	ITEM COST
<b>PEDESTRIAN FACILITIES ITEMS</b>						
STLCO	304-05.04	TYPE 5 AGGREGATE BASE (4" THICK)	SY		2290.4	
STLCO	607-30.20	SIDEWALK HANDRAIL	LF		40	
STLCO	608-60.04	CONCRETE SIDEWALK (4" THICK)	SY		2045.7	
STLCO	608-60.07	CONCRETE SIDEWALK, CURB RAMP (7" THICK)	SY		244.7	
STLCO	608-60.98	TRUNCATED DOMES FOR CURB RAMPS (NEW CONSTRUCTION)	SF		323	
<b>PEDESTRIAN FACILITIES SUBTOTAL</b>						

SPEC.	ITEM NUMBER	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	ITEM COST
<b>SIGNAL/ITS ITEMS</b>						
STLCO	904-02.13	SIGNAL HEAD, TYPE 3S	EA		1	
STLCO	904-02.14	SIGNAL HEAD, TYPE 4S	EA		2	
STLCO	904-02.34	SIGNAL HEAD, TYPE 34S	EA		2	
STLCO	904-05.43	SIGNAL HEAD, TYPE 3B, TERMINAL COMPARTMENT, AND ASTRO BRACKET MOUNTING	EA		6	
STLCO	904-05.44	SIGNAL HEAD, TYPE 4B, TERMINAL COMPARTMENT, AND ASTRO BRACKET MOUNTING	EA		4	
STLCO	904-24.01	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EA		8	
STLCO	904-28.07	POST, W/SQ. PEDESTAL BASE AND POST CAP, 7' MAXIMUM TOTAL HEIGHT, ALUMINUM	EA		4	
STLCO	904-28.10	POST, SIGNAL, W/SQ. PEDESTAL BASE AND POST CAP, 10' MAXIMUM TOTAL HEIGHT, ALUMINUM	EA		1	
STLCO	904-29.06	6' CAMERA MOUNTING ASSEMBLY, ASTRO BRACKET AND MOUNTING HARDWARE	EA		1	
STLCO	904-32.30	19' POLE, W/30' MAST ARM, STEEL (POWDER COATED)	EA		1	
STLCO	904-32.32	19' POLE, W/32' MAST ARM, STEEL (POWDER COATED)	EA		1	
STLCO	904-32.34	19' POLE, W/34' MAST ARM, STEEL (POWDER COATED)	EA		1	
STLCO	904-32.44	19' POLE, W/44' MAST ARM, STEEL (POWDER COATED)	EA		1	
STLCO	904-43.88	CONTROLLER, FULLY ACTUATED, (8 PHASE TIMER IN ALUMINUM CABINET APPROX. 55" H x 44" W x 26" D. WIRED FOR 8 PHASE OPERATION) W/INTERNAL FIBER OPTIC MODEM AND TERMINATION HOUSING TS2 TYPE 2, W/BATTERY BACKUP	EA		1	
STLCO	904-49.22	DETECTOR, PEDESTRIAN PUSH BUTTON, APS FREEZEPROOF	EA		8	
STLCO	904-49.35	DETECTOR, VEHICLE INDUCTION LOOP, CARD RACK MTG., 2 CHANNEL, W/DELAY AND EXTENSION TIMING AND RELAY OUTPUTS	EA		8	
STLCO	904-49.51	PAN TILT ZOOM (PTZ) INTERNET PROTOCOL VIDEO SURVEILLANCE CAMERA SYSTEM (CAMERA W/BRACKET, MANAGED ETHERNET SWITCH AND MISC. CODES)	EA		1	
STLCO	904-49.52	SOFTWARE LICENSE, PTZ CAMERA	EA		1	
STLCO	904-51.00	CONDUIT, 1"	LF		246	
STLCO	904-51.52	CONDUIT, 2"	LF		1434	
STLCO	904-54.00	CONDUIT, 4"	LF		330	
STLCO	904-82.06	CABLE, POWER, #6 GAUGE, 1 CONDUCTOR	LF		170	
STLCO	904-83.05	CABLE, SIGNAL, #14 GAUGE, 5 CONDUCTOR	LF		1360	
STLCO	904-83.07	CABLE, SIGNAL, #14 GAUGE, 7 CONDUCTOR	LF		3120	
STLCO	904-84.00	WIRE, STRANDED GROUND, #6 GAUGE	LF		270	
STLCO	904-85.05	CABLE, DETECTOR LOOP, #14 GAUGE, 1 CONDUCTOR, W/TUBE JACKET (IN CONDUIT AND PULL BOXES)	LF		320	
STLCO	904-85.06	CABLE, DETECTOR LOOP, #14 GAUGE, 1 CONDUCTOR, W/TUBE JACKET (IN SAWED SLOT)	LF		3470	
STLCO	904-85.18	CABLE, PUSH BUTTON AND/OR DETECTOR LOOP LEAD-IN, #18 GAUGE, 2 CONDUCTOR (SHIELDED)	LF		3840	
STLCO	904-85.34	CABLE, COMMUNICATION, #18 GAUGE, 4 CONDUCTOR, APS	LF		240	
STLCO	904-85.36	CABLE, COMMUNICATION, FIBER OPTIC, 36 FIBERS (30 SINGLE-MODE AND 6 MULTI-MODE)	LF		2940	
STLCO	904-85.81	CABLE, COMMUNICATION, POWER, PTZ CAMERA, VIDEO DETECTION CAMERA, #24 GAUGE, 4 PAIR (SHIELDED)	LF		130	
STLCO	904-86.01	POWER SUPPLY ASSEMBLY, ON WOOD UTILITY POLE, 120/240 VOLT	EA		1	
STLCO	904-88.01	PULL BOX, SINGLE, CONCRETE	EA		3	
STLCO	904-88.02	PULL BOX, DOUBLE, CONCRETE	EA		2	
STLCO	904-89.17	PREFORMED PULL BOX, (17"W X 30"L X 26" MIN. H) REINFORCED POLYMER CONCRETE	EA		2	
STLCO	904-90.17	PREFORMED PULL BOX, (17"W X 30"L X 26" MIN. H) REINFORCED POLYMER CONCRETE W/1' CONCRETE APRON	EA		1	
STLCO	904-91.43	BASE, TYPE P-3, CONCRETE	EA		4	
STLCO	904-91.57	BASE, TYPE B-7, CONCRETE	EA		3	
STLCO	904-91.59	BASE, TYPE B-9, CONCRETE	EA		1	
STLCO	904-91.73	BASE, TYPE C-3, CONCRETE	EA		1	
STLCO	904-91.88	BASE, TYPE D-8PH, CONCRETE	EA		1	
STLCO	904-93.10	TEMPORARY SIGNAL INSTALLATION	EA		1	
STLCO	904-95.20	REMOVAL OF CONCRETE SINGLE PULLBOX	EA		2	
STLCO	904-96.20	REMOVAL OF CONCRETE BASE	EA		4	
STLCO	904-96.22	REMOVAL OF PREFORMED CONTROLLER BASE	EA		1	
STLCO	904-97.20	REMOVAL OF SIGNAL EQUIPMENT (INTERSECTION)	EA		1	
STLCO	904-97.43	REMOVAL OF POWER SUPPLY ASSEMBLY	EA		1	
<b>SIGNAL/ITS SUBTOTAL</b>						

SPEC.	ITEM NUMBER	ITEM DESCRIPTION	UNIT	UNIT COST	QUANTITY	ITEM COST
<b>DRAINAGE ITEMS</b>						
STLCO	206-30.00	CLASS 4 EXCAVATION	CY		82.2	
STLCO	604-12.01	SINGLE CURB INLET, UNTRAPPED	EA		6	
STLCO	604-14.04	AREA INLET, SINGLE, OPEN 4 SIDES, UNTRAPPED	EA		1	
STLCO	604-20.30	ADJUSTING MANHOLE TO GRADE	EA		19	
STLCO	604-25.40	CONVERT INLET TO MANHOLE AND ADJUST TO GRADE	EA		1	
STLCO	604-27.43	CONVERT MANHOLE TO INLET AND ADJUST TO GRADE	EA		1	
STLCO	604-40.11	PIPE COLLAR, TYPE "A" (CONCRETE)	EA		1	
STLCO	726-23.12	12" CLASS III REINFORCED CONCRETE PIPE (GASKET TYPE)	LF		66	
STLCO	726-23.18	18" CLASS III REINFORCED CONCRETE PIPE (GASKET TYPE)	LF		21	
STLCO	731-00.42	PRECAST CONCRETE MANHOLE (42")	EA		1	
<b>DRAINAGE SUBTOTAL</b>						

ROADWAY ITEMS TOTAL	
PEDESTRIAN FACILITIES TOTAL	
SIGNAL / ITS ITEMS TOTAL	
DRAINAGE ITEMS TOTAL	
<b>PROJECT TOTAL</b>	