

ADDENDUM NO. 4

DATE: May 7, 2019

TO: All Bidders

FROM: Penny Owens, Assistant Purchasing Agent

SUBJECT: Addendum No. 4 – Jackson Avenue Ramps Project

BIDS TO BE OPENED: May 9 2019, at 11:00:00 a.m. Eastern Time

This addendum is being published to respond to questions asked by potential bidders regarding the Jackson Avenue Ramps Project. This addendum becomes a part of the Contract Document and modifies the original specifications as noted.

Question #1: We are having trouble finding a detail for item number 620-15, Handrail assembly (Safety Railing for Fire Alley) 12/LF listed in the bridge quantities and item number 604-20.11, Painted Metal Handrails 98/LF listed in the roadway items. Could you clarify the location of these details in the plans?

Response: For Handrail assembly (Safety Railing for Fire Alley), please see the footnote added to Item #620-15 and the installation instructions on S3.2. For Painted Metal Handrails, please see detail 5 on L1.9 and detail 4 on L1.7.604-20.11 Painted Metal Handrail updated to 604-01.04 1-1/2” Steel Pipe Handrail.

Question #2: The utility plan references water, gas and sewer but there are no bid items on the proposal for those. Will they be relocated by others?

Response: The water, gas, and sewer were moved previously. The plans were included as a reference for their old and new “existing” locations.

Question #3: Colored Concrete Specification? (Re-Addressed from Addendum #2)

Response: The bridge rail, bridge deck under pavers, and sidewalk shall be integrally colored concrete. The color to be specified is Sandstone (242) by Solomon Colors. The intention for the bridge rail is to achieve a color similar to the Gay Street Viaduct railing.

The intention of the stamped, colored concrete paving is to match the existing brick pavers that are being re-placed. The color to be specified is Leather (338) by Solomon Colors.

A mock-up shall be submitted for approval before placing any colored concrete.

Question #4: Landscape Drawings indicate that 604-03.04 Pavement at Bridge Ends, 604-03-09 Class D Conc (Bridge Deck) for Structure 3, as well as, all areas of 920-10.01 Stamped Concrete Pavement (8" Thick) are to be colored and stamped. Is this correct? How will the stamping of these areas to be paid?

Response: Yes, All three of these areas are colored and stamped. The cost shall be included in the pay item for each.

Question #5: What specs are to be used for this project?

Response: Where noted, both TDOT and City of Knoxville Specifications shall be utilized for this project.

Question #6: WILL THE PAVEMENT AT BRIDGE ENDS NEED TO BE STAMPED CONCRETE OR WILL IT REQUIRE A BED OF SAND AND BRICK PAVING?

Response: Pavement at Bridge Ends will need to be stamped and colored to look like existing brick pavers.

Question #7: Item 604-04.01 Applied Texture Finish (New Structures) note 13 says "shall be class II, rubbed finish". So, you want an old-fashioned rubbed finish and no texture finish at all?

Response: All exposed, poured-in-place structures shall receive a Class II, rubbed finish in accordance with Section 604-21 B of the standard specifications. Item # 604-04.01 Applied Texture Finish (New Structures) has been removed.

Question #8: Are there any Standard drawings for 6' aluminum fence?

Response: The TDOT Standard Drawings for 6' Chain Link Fence and Gate are attached to this addendum.

Question #9: It appears that the new abutment #1 footing on Structure 1 will require the removal of, at least some, of the existing wall that retains existing fill material for Gay Street. Please detail what is desired.

Response: The new abutment will not be imposing into the existing Gay Street Bridge.

Revised Sheets:

C3.0 Quantities revised for the following item numbers: 202-03, 303-01, 701-01.01, 701-02, 702-01, 712-05.01, 712-06, 712-07.03, 920-10.02. Revised footnote 1. Added footnotes 15, 16, 17.

C3.1 Structural footnotes copied to C3.1 from structural section to assist the bidders. Note added to reference S1.2, S2.2, S3.2, S4.2 and S5.2 for additional footnotes. Item number 606-29.02 Proof Load Test changed from LS to Each. Added item number 613-02 Brick Masonry.

C4.0 Changed 7 to Stamped Concrete Pavement (Stamped and Colored to match existing pavers).

C6.1 Revised quantities to account for sidewalk and curb placed during West Jackson Streetscapes project (City Project #12B-R-0518) that will need to be removed and replaced as a part of this project.

V1.0 Revised to reflect new storm that was installed as a part of the West Jackson Streetscapes project (City Project #12B-R-0518).

C9.0, C9.1 Revised to include the section of sidewalk and curb placed during West Jackson Streetscapes project (City Project #12B-R-0518) that will need to be removed and replaced as a part of this project. Note added for pavers to be placed “UNWORN SIDE UP”.

C9.2, C9.3 Note added for pavers to be removed, cleaned then replaced on proposed bridge, “UNWORN SIDE UP”.

C10.0 Revised to include new storm and sidewalk that was installed as a part of the West Jackson Streetscapes project (City Project #12B-R-0518). A section of the sidewalk and curb will need to be removed and replaced as a part of this project.

C10.1 Revised to include the section of sidewalk and curb placed during West Jackson Streetscapes project (City Project #12B-R-0518) that will need to be removed and replaced as a part of this project. Note added for pavers to be placed “UNWORN SIDE UP”. Noted added to describe the appearance of the concrete at bridge ends.

C10.2 Note added for pavers to be placed “UNWORN SIDE UP”. Noted added to describe the appearance of the concrete at bridge ends and slab bridge deck. Showing Safety Handrail over Fire Alley from the structural drawings.

C14.0 Quantities revised to reflect changes to the Traffic Control Plan.

C14.2, C14.3 Revised Traffic Control Plan to avoid TDOT Bridge Replacement Project (Broadway Viaduct) that will be under construction during the same time period. Note added to clarify the work zone is on the lower level and Gay Street Viaduct will remain open.

L1.4 Label added for Door 100E from Area “West One” to alley under the West Ramp.

L1.5 Removed “painted” from the label on Ornamental Fence & Gate. These shall be powder coated.

L1.7 Revised Detail #4.

L1.9 Removed “painted” from the labels on handrails. These shall be powder coated.

L1.10 Note added to Detail #8 for the Ornamental Gate to be powder coated. Door 100E added to the Door Schedule and swing description added to reflect the bid tab.

S0.1 Removed item number 604-04.01. Added item numbers 606-28.05 and 613-02. Revised quantity for 606-29.01 and 606-29.02. Note added to see S1.2, S2.2, S3.2, S4.2, S5.2 for additional footnotes. Standard Specification for Drilled Shaft revision dated updated to 5/18/17.

S1.1 Standard Specification for Drilled Shaft revision date updated to 5/18/17.

S1.2 Removed note about Demolition on weekends. Removed notes about textured finish (new structures). Revised note to reflect a 1” bed of sand. Removed item number 604-04.01 and associated footnote.

S2.1 Standard Specification for Drilled Shaft revision date updated to 5/18/17.

S2.2 Removed note about Demolition on weekends. Removed notes about textured finish (new structures). Revised note to reflect a 1” bed of sand. Removed item number 604-04.01 and associated footnote.

S3.1 Standard Specification for Drilled Shaft revision dated update to 5/18/17.

S3.2 Removed note about Demolition on weekends. Removed notes about textured finish (new structures). Revised installation instruction for 620-15 handrail assembly (Safety Railing for Fire Alley). Removed item number 604-04.01 and associated footnote. Added a footnote for item number 620-15.

S3.4 Added 620-15 handrail assembly (Safety Railing for Fire Alley) to the plan view and typical section.

S4.2 Removed item number 604-04.01 and associated footnote. Added item number 606-28.05. Revised quantities for item numbers 606-29.01 and 606-29.02. Revised footnote 1. Removed note about Demolition on weekends.

S4.3, S4.4, S4.5, S4.6, S4.7, S4.8 Test pile location shown.

S5.1 Abutment 2 configuration updated to reflect the design. (No changes made to Abutment 2 or it’s design).

S5.2 Added item numbers 606-28.05 and 613-02. Revised quantities for item numbers 606-29.01 and 606-29.02. Footnote 1 revised. Note for Test Piles added.

S5.3 Test pile location shown.

Revised Bid Tab: Attached

202-03 UPDATED QUANTITY
303-01 UPDATED QUANTITY
501-01.01 REMOVED
604-20.11 CHANGED TO 604-01.04
701-01.01 UPDATED QUANTITY
701-02 UPDATED QUANTITY
702-01 UPDATED QUANTITY
712-05.01 UPDATED QUANTITY
712-06 UPDATED QUANTITY
712-07.03 UPDATED QUANTITY
920-10.02 UPDATED QUANTITY
604-04.01 REMOVED
606-28.05 ADDED
606-29.01 UPDATED QUANTITY
606-29.02 REVISED FROM LS TO EACH
613-02 ADDED

END OF ADDENDUM NO. 4

Jackson Avenue Ramps Construction

FOOTNOTE	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	L.S.	1		
1	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	1		
	202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	389		
2	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	3357		
3	203-06	WATER	M.G.	30		
	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	5		
4	209-03.20	FILTER SOCK (8 INCH)	L.F.	24		
4	209-05	SEDIMENT REMOVAL	C.Y.	18		
4	209-09.41	CURB INLET PROTECTION (TYPE 2)	EACH	7		
4	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	6		
4	209-99.91	EROSION CONTROL	L.S.	1		
5	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	512		
	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	50		
	307-01.07	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M	TON	16		
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	1		
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	1		
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	2		
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	120		
	411-01.10	ACS MIX (PG64-22) GRADING D	TON	217		
	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	201		
	501-01.01	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 8"	S.Y.	0		
	604-01.04	1-1/2" STEEL PIPE HANDRAIL	L.F.	98		
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	232		
	611-01.01	MANHOLES, 0' - 4' DEPTH	EACH	1		
	611-09.02	REWORK CATCHBASIN	EACH	2		
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	1		
	611-43.02	CATCH BASINS, TYPE 43, > 4' - 8' DEPTH	EACH	1		
	701-01.01	CONCRETE SIDEWALK (4")	S.F.	2447		
	701-02	CONCRETE DRIVEWAY	S.F.	182		
	702-01	CONCRETE CURB	C.Y.	4.2		
	702-02	CONCRETE GUTTER	C.Y.	2		
	707-01.20	TEMP 6FT CHAIN LINK W/3 STRAND B. WIRE	L.F.	875		
	707-01.21	TEMP END & CORNER PST ASBLY (CHN LINK 6FT W/3STR BW)	EACH	23		
	707-01.22	TEMP GATE - CHAIN LINK FENCE - 6FT (16 FEET)	EACH	3		
	707-01.52	GATE - CHAIN-LINK FENCE (6FT - 24' FEET TEMP.)	EACH	1		
	707-06.01	REMOVAL OF FENCE (BLACK METAL ORNAMENTAL)	L.F.	299		
13, 14	707-08.01	DECORATIVE ALUMINUM FENCE	L.S.	1		
13, 14	707-08.02	DECORATIVE ALUMINUM GATES- DOUBLE SWING	L.S.	1		
13, 14	707-08.03	DECORATIVE STEEL GATES- DOUBLE SWING	L.S.	1		
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	715		
	712-01	TRAFFIC CONTROL	L.S.	1		
6	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	270		
6	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	17		
6, 7	712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	15		
6	712-05.01	WARNING LIGHTS (TYPE A)	EACH	20		
6	712-05.03	WARNING LIGHTS (TYPE C)	EACH	12		
8	712-06	SIGNS (CONSTRUCTION)	S.F.	465		
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	444		
	712-09.01	REMOVABLE PAVEMENT MARKING LINE	L.F.	1725		
	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	100		
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	3		
	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	L.S.	1		

FOOTNOTE	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
9	714-02.02	ENCASED CONDUIT (2" PVC, SCHEDULE 40)	L.F.	30		
	714-05.46	WOOD POLE (30 FT)	EACH	6		
	714-06.05	CABLE (1/C #6 AWG)	L.F.	1800		
	714-06.06	CABLE (1/C #4 AWG)	L.F.	1830		
9	714-08.09	LIGHT STANDARDS (DECORATIVE - BRIDGE MOUNT)	EACH	12		
9	714-09.09	LUMINAIRES (LED POSTTOP - 60W)	EACH	12		
9	714-09.10	LUMINAIRES (LED ROADWAY - 56W)	EACH	7		
	714-10.01	OVERHEAD CONDUCTORS #6 DUPLEX	L.F.	255		
	714-25	ELECTRICAL CONNECTION	EACH	1		
10	716-02.03	PLASTIC PAVEMENT MARKING (CROSS-WALK)	L.F.	31		
10	716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	26		
10	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	50		
10	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	60		
	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	5		
11	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	0.4		
	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	92		
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	0.25		
	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	155		
	716-13.06	SPRAY THERMO PVMT MRKNG (40 mil) (4IN LINE)	L.M.	0.22		
12	717-01	MOBILIZATION	L.S.	1		
	725-24.55	AS-BUILT PLANS	L.S.	1		
	790-70.20	STREET LIGHT (POST MOUNTED LUMINAIRE)	EACH	12		
	920-10.02	STAMPED CONCRETE PAVEMENT (8" THICK)	S.Y.	643		
	920-10.04	METAL WINDOW BAR ASSEMBLIES	EACH	14		
13	920-11.04	HOLLOW METAL DOOR AND FRAME ASSEMBLY - SINGLE SWING	EACH	4		
13	920-12.04	HOLLOW METAL DOOR AND FRAME ASSEMBLY - DOUBLE SWING	EACH	1		
	202-01.02	REMOVAL OF ASBESTOS	L.S.	1		
15	202-04.01	REMOVAL OF STRUCTURES (BR. NO. 47-C899-00.01, STA. 40+23.86 to 43+05.41)	L.S.	1		
15	202-04.02	REMOVAL OF STRUCTURES (BR. NO. 47-C899-00.03, STA. 43+95.46 to 46+95.60)	L.S.	1		
	204-04.10	STRUCTURE EXCAVATION UNCLASSIFIED	C.Y.	632		
15	204-05.01	CORE DRILLING AND SAMPLING	L.F.	690		
15	204-10.30	FOUNDATION PREPARATION	L.S.	1		
15	303-01.03	GRANULAR BACKFILL (RETAINING WALLS)	TONS	1901		
15	604-01.54	SLAB-ON-GRADE	S.F.	7930		
	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	96300		
15	604-03.01	CLASS A CONCRETE (BRIDGES)	C.Y.	435.1		
	604-03.02	STEEL BAR REINFORCEMENT (BRIDGES)	LB.	75300		
	604-03.02	STEEL BAR REINFORCEMENT (FOOTINGS AND FALSE COLUMNS)	LB.	10900		
15	604-03.04	PAVEMENT @ BRIDGE ENDS	S.Y.	118		
	604-03.07	CLASS A CONCRETE (FOOTINGS AND FALSE COLUMNS)	C.Y.	137.6		
15	604-03.08	CLASS A CONCRETE (RETAINING WALL)	C.Y.	709.5		
15	604-03.09	CLASS D CONCRETE (BRIDGE DECK)	C.Y.	496.2		
	604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	0		
15	604-04.02	APPLIED TEXTURE FINISH (SANDBLASTING)	S.Y.	786		
	604-05.31	BRIDGE DECK GROOVING (MECHANICAL)	S.Y.	76		
	604-07.28	RETAINING WALL EXCAVATION	C.Y.	1592		
	604-10.43	PENETRATING WATER REPELLENT CONCRETE SEAL	S.Y.	109		
15	604-11.01	EXPANSION DEVICE (2" STRIPSEAL EXP. JT.)	L.F.	144		
	606-28.05	TEST PILES (9 5/8" x 3/8" MICROPILE)	L.F.	274		
15	606-29.01	MICROPILE(9 5/8" x 3/8" MICROPILE)	L.F.	5841		
15	606-29.02	PROOF LOADING TEST (9 5/8" x 3/8" MICROPILE)	EACH	10		
15	610-07.03	18" PIPE DRAIN (BRIDGE DRAIN)	L.F.	310		
	613-02	BRICK MASONRY	MBRK	22.75		

FOOTNOTE	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
15	613-02.01	12" REINFORCED CONCRETE MASONRY UNITS	S.F.	3250		
15	615-02.37	PRESTRESSED CONCRETE BOX BEAM (30" X 36")	L.F.	1188.1		
	620-03.10	CONCRETE PARAPET (TEXAS CLASSIC)	L.F.	582.3		
15	620-15	HANDRAIL ASSEMBLY (SAFETY RAILING FOR FIRE ALLEY)	L.F.	12		
	624-03.01	RETAINING WALL REINFORCING STEEL	LB.	81900		
15	625-02.01	DRILLED SHAFT-SOIL (42")	V.F.	429		
15	625-02.14	DRILLED SHAFT-ROCK (42")	V.F.	160		
	625-02.40	DRILLED SHAFT CONCRETE	C.Y.	211.7		
15	625-02.44	DRILLED SHAFT REINFORCING STEEL	LB.	64700		
15	625-02.46	SONIC LOGGING TESTING	EACH	20		
15	714-01	STRUCTURAL LIGHTING	L.S.	1		
15	714-08.34	REMOVAL OF LIGHT STANDARD	EACH	1		
	717-01.04	MOBILIZATION (MICROPILE)	L.S.	1		
	908-21.01	BEARINGS (1/2" X 6" X 24" ELASTOMERIC)	EACH	8		
15	920-02.08	BRICK PAVING	S.F.	5310		
	920-10.01	REMOVAL AND STOCKPILING OF EXISTING BRICK PAVERS	S.F.	12562		
Total Bid:						

FOOTNOTES

1. INCLUDES BUT NOT LIMITED TO POWER POLES, POWER/LIGHT POLES, CATCH BASINS AND STORM MANHOLES.
2. REFER TO SPECIAL NOTES. SHEET C5.2.
3. QUANTITIES TO BE INCREASED OR DECREASED AS DIRECTED BY THE CITY OF KNOXVILLE ENGINEERING DEPARTMENT.
4. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT AS DIRECTED BY THE ENGINEER.
5. INCLUDES 200 TONS FOR MAINTENANCE OF TRAFFIC.
6. MAXIMUM ESTIMATED QUANTITY REQUIRED. NO SEPARATE PAYMENT WILL BE MADE FOR RELOCATION AND REUSE. COST SHALL BE INCLUDED IN ITEM 712-01 TRAFFIC CONTROL.
7. SPACING OF THESE DELINEATORS SHALL BE 20 FEET MAXIMUM.
8. SEE SHEETS C14.2 AND C15.0 - C15.1 FOR CONSTRUCTION SIGN LOCATIONS.
9. SEE SHEET SL2.0 FOR FOOTNOTES.
10. CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
11. FOR TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS.
12. ITEM INCLUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE COST OF ITEM 717-01, MOBILIZATION.
13. INCLUDES ALL GATE/DOOR HARDWARE REQUIRED
14. INCLUDES CONCRETE FOUNDATION
15. SEE SHEETS C3.1, S0.1, S1.2, S2.2, S3.2, S4.2, AND S5.2 FOR ALL STRUCTURAL FOOTNOTES