

## **ADDENDUM NO. 4**

DATE: April 15, 2019

TO: All Potential Bidders

FROM: Penny Owens, Assistant Purchasing Agent, City of Knoxville

SUBJECT: Addendum No. 4 – Knoxville Urban Wilderness Gateway Park Infrastructure

BIDS TO BE OPENED: April 17, 2019\*\*\* (See below) at 11:00:00 a.m. (Eastern Time)

This addendum is being published to make changes to the Contract Documents and specifications as well as respond to questions that the City has received from potential bidders. The City's responses hereby become a part of the Contract Documents and modify the original specifications as noted below.

### **Bid Deadline Postponement:**

The bid deadline is hereby extended until **April 25, 2019 at 11:00:00 a.m. Eastern Time** to provide additional time for interested bidders to review the information in this addendum.

### **Changes to the Contract Documents & Specifications:**

1. The following plan sheets have been revised: C1A, C1A1, C2, C2C3, C7A, C9A, C10A, C11, C11A, C11B, C12, C12A, C12B, C13, C27, C27A, C29F, C29G, C30F, C30G, C31F, C31G, C34F, C34G, C34K, C34L, L101A, L101B, L101D, L101F, L201, L202, L303, L304, E100B, E101C, E101E.
2. The following plan sheets have been added: L306.
3. The following pay items have been deleted: Item 20.41, Bridge Parapet w/Pedestrian Rail; Item 33.20, Guardrail Type 2.
4. The following pay items have been added: Item 64.11, Culvert Pedestrian Rail.
5. The following pay items have been revised: Item 4.10, Excavation, changed from CY to LS; Item 20.16, 24" R.C.P.; Item 25.30, Rip Rap Class III; Item 33.10 renamed "Guardrail (Powdercoat)", no quantity change; Item 36.50, Geotextile Fabric for Erosion Stabilization, Item 90.18, Pullboxes.
6. A revised Bid Form is included with this addendum.

7. The revised plan sheets are posted at the link provided to those who submitted a Bid Document Request form to the City of Knoxville or obtained the link from the plan rooms and is titled "Addendum No 4 - revised plans.pdf".

**Questions Received:**

**Question #1:** Items 33.30 Type 13 Guardrail Anchor & 33.40 Type 21 Guardrail Anchor are listed on Sheets L201 & L202 to terminate Item 33.10 Guardrail Type 1 (Weathering Steel). These terminals are not available in the weathering steel product. We request guidance and resolution for this issue.

**Response #1:** Guardrails revised to all be powder coated a standard RAL color to be selected by the Landscape Architect. Guardrail Anchors to have matching finish.

**Question #2:** Sheet L202, Terminus Enlargement 3 depicts radius of 3'-5" and 4'-7". Guardrail manufacturers can bend guardrail as sharp as 5'-0" but not sharper. We request guidance and resolution for this issue.

**Response #2:** This guardrail has been removed from the project.

**Question #3:** Sheet L304 depicts Wood Blocking between the guardrail and the guardrail posts. As with TDOT standards, will Composite Block be an allowable substitute?

**Response #3:** Yes, composite block will be an allowable substitute.

**Question #4:** Sheet L101C depicts the Sevierville Pike Greenway Pedestrian Rail. The Typical Sections & Pavement Schedule, Sheet C2A depicts 4" Base, 2" Binder, and 1" Surface. In the area of the Pedestrian Rail, Sta. 10+00.00 to near Sta. 12+75.00 would it be possible to increase the base to 8", the binder to 2.5", and surface to 1.5" to allow a guardrail post driver to install and maintain this guardrail system as required?

**Response #4:** Since the guardrail system is located at the shoulder hinge (in compacted earth), the pavement section is not a consideration.

**Question #5:** On the quantity sheet it states that for Weathering Steel Guardrail – 300 LF and 175 LF of powder coated. For example, does that mean it would be 300 LF of double-faced rail or 600 LF of single faced rail?

**Response #5:** All guardrails and pedestrian rails are to be double faced as indicated on details on L304. Quantities are for the overall length of rail, which is double-faced.

**Question #6:** The detail sheet shows a typical of guardrail being double faced. Is the entire run of guardrail to be double faced or are there sections of single faced?

**Response #6:** The entire guardrail is to be double faced. Guardrail end terminals are to follow TDOT standards for Type 13 or Type 21 end treatments. These are covered under separate pay items and are single-faced per TDOT standards.

**Question #7:** At the pre-bid meeting it was stated that this was a "balanced" site and that asphalt and concrete removed during construction of the project were to remain on site. Can you confirm these statements through an addendum and can you provide tabulated quantities for the earthwork?

**Response #7:** Through previous addenda, the existing conditions and proposed grading were provided. This information can be used by the contractors to determine the answer to this question.

**Question #8:** Is the depth of asphalt being removed known, is there concrete beneath any of the asphalt to be removed?

**Response #8:** Pavement cores were not taken so this information is not known.

**Question #9:** Who is responsible for the maintenance of grass inside tree protection fencing?

**Response #9:** The Contractor will be responsible for maintaining the grass inside tree protection fencing.

**Question #10:** Who is providing the layout for the project?

**Response #10:** The City of Knoxville will provide surveying layout for the project as stated in Section 10 of the General Conditions.

**Question #11:** Is the cost for the temporary stream diversion to be included in the price for item 20.40?

**Response #11:** No, it is to be paid for under Item 70.10, Temporary Water Pollution Control. Please refer to the table on Sheet C28.

**Question #12:** Are all of the erosion control items shown on the EPSC sheets to be paid under item 70.10?

**Response #13:** Yes. Please refer to the table on Sheet C28.

**END OF ADDENDUM NO. 4**

BID PROPOSAL  
CITY OF KNOXVILLE, TENNESSEE  
(REVISED)

**Knoxville Urban Wilderness Gateway Park Infrastructure Project  
Project No. 19E-C-0668**

TO THE PURCHASING AGENT  
CITY OF KNOXVILLE, TENNESSEE

\_\_\_\_\_ hereby propose(s) to furnish all material, labor, and appliances and do all work required to complete the Contract for the Knoxville Urban Wilderness Gateway Park Infrastructure Project, Project No. 19E-C-0668, located in the City of Knoxville, Tennessee, in a workmanlike manner and in accordance with the plans of the Department of Engineering and specifications herewith attached.

Bidder further agrees that in case of failure to sign a delivered contract within thirty (30) days, the certified check or bid bond accompanying this bid and the proceeds thereof shall be the property of the City of Knoxville if the City chooses to retain said bid bond or check.

**BID SCHEDULE**

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
1.10	Mobilization of Forces, Supplies and Equipment	LS	1	_____	_____
2.10	Clearing and Grubbing	LS	1	_____	_____
2.11	Tree Protection Fencing	LF	3,900	_____	_____
3.10	Removal of Structures and Obstructions	LS	1	_____	_____
3.11	Removal of Rigid Pavement, Sidewalk, Etc.	SY	1,080	_____	_____
3.12	Removal of Asphalt Pavement	SY	11,590	_____	_____
3.13	Removal of Curb and Gutter	LF	1,314	_____	_____
3.14	Removal of Box Culvert	LS	1	_____	_____
3.15	Removal of Septic Tank	LS	1	_____	_____
3.16	Removal of Pavement Markings	LS	1	_____	_____
4.10	Excavation (Unclassified)	LS	1	_____	_____
5.10	Mineral Aggregate Base	TON	4,125	_____	_____
5.50	No. 8 Stone	TON	20	_____	_____
5.60	Stablized Stone Screenings	TON	76	_____	_____
5.61	Commercial Street Edging with Staking System	LF	86	_____	_____

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
9.20	Bituminous Plant Mix, Grading B-M2	TON	1,410		
9.50	Bituminous Plant Mix, Grading C-S	TON	450		
10.10	Asphaltic Concrete Surface, Grading D	TON	350		
12.61	6" Concrete Combined Curb & Gutter, Type 6-24	LF	491		
12.65	6" Detached Concrete Curb, Type A	LF	920		
13.10	Concrete Sidewalks	SF	2,154		
13.11	Tactile Warning Surfaces	SF	213		
15.30	Site Wall A	LS	1		
15.40	Site Wall B	LS	1		
15.50	Site Wall C	LS	1		
20.12	15" R.C.P.	LF	152		
20.14	18" R.C.P.	LF	264		
20.16	24" R.C.P.	LF	282		
20.20	36" R.C.P.	LF	22		
20.40	8' X 5' Concrete Box Culvert	LF	44		
20.42	Wingwalls (Box Culvert)	EA	4		
20.43	Foundation Preparation (Box Culvert)	LS	1		
20.50	8" PVC (Roof Drain Outlet)	LF	94		
22.15	Area Drain Catch Basin	EA	1		
22.18	HW-24 Headwall	EA	4		
22.19	HW-42 Headwall	EA	2		
22.43	Storm Manhole (60")	EA	1		
22.52	Adjust Sanitary Manhole	EA	3		
22.53	Sanitary Sewer Force Main (1-1/4")	LF	380		
22.54	Sanitary Sewer Services Line 6" PVC	LF	255		
22.55	Grinder Pump	EA	1		
22.60	Water Service Line (3/4" or 1" PE)	LF	804		
23.30	Convert Existing Catch Basin to Storm Manhole	EA	2		
25.30	Rip Rap Class III	TON	555		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
25.40	Rip Rap Class IV	TON	10		
30.00	Conservation Seed Mix	SY	5,050		
30.01	Naturalizing Seed Mix	SY	17,850		
30.05	Sodding	SY	2,660		
	<b>Large Trees:</b>				
30.11	6'-8' Height, B&B <i>Carpinus caroliniana</i>	EA	4		
30.12	1.5" Caliper, B&B <i>Cladrastis lutea</i>	EA	9		
30.13	8'-10' Height, B&B <i>Ilex opaca</i> "Satyr Hill"	EA	6		
30.15	8'-10' Height, B&B <i>Nyssa sylvatica</i>	EA	11		
30.17	8'-10' Height, B&B <i>Quercus shumardii</i>	EA	14		
	<b>Multistem Trees:</b>				
30.20	6'-8' Height, Clump, B&B <i>Amelanchier canadensis</i>	EA	26		
30.21	8'-10' Height, Clump, B&B <i>Betula nigra</i> 'Heritage'	EA	7		
	<b>Small Trees:</b>				
30.30	5' Height, B&B <i>Cercis Canadensis</i>	EA	25		
30.31	5' Height, B&B <i>Chionanthus virginicus</i>	EA	1		
30.32	4'-5' Height, B&B <i>Hammamelis virginiana</i>	EA	15		
	<b>Shrubs:</b>				
30.40	3 Gallon, 36" Height <i>Fothergilla gardenia</i>	EA	24		
30.41	3 Gallon, 36" Height <i>Ilex glabra</i>	EA	11		
30.42	3 Gallon, 36" Height <i>Rhododendron</i> 'Roseum Elegans'	EA	12		
30.70	Hardwood Mulch	CY	149		
30.80	Invasive Plant Treatment	ACRE	8		
30.90	Soil Testing (Existing Soils)	EA	8		
30.91	Planting Soil & Amendments	CY	2,400		
30.92	Maintenance of Plants	LS	1		
33.10	Guardrail (Powdercoat)	LF	300		
33.30	Type 13 Guardrail Anchor	EA	4		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
33.40	Type 21 Guardrail Terminal	EA	2		
34.10	Construction Area Traffic Control	LS	1		
35.11	Remove & Relocate Existing Traffic Signal Equipment	EA	1		
35.12	Install Pull Box (Type B)	EA	5		
35.13	Signal Cable - 7 Conductor	LF	500		
35.14	Conduit 2" Diameter (PVC)	LF	50		
35.15	Conduit 2" Diameter (RGS)	LF	60		
35.16	Shielded Detector Cable	LF	500		
35.17	Modify Cabinet (Connect New Ped Signals)	EA	1		
35.18	Pedestal Pole (10')	EA	3		
35.19	Foundation (10' Pedestal Pole)	EA	3		
35.20	Countdown Ped Sgnl Head w/Audible Push Button & 15 inch Sign	EA	4		
36.50	Geotextile Fabric for Erosion Stabilization	SY	473		
39.20	Pavement Marking (Crosswalk Striping)	LF	1,305		
39.30	Pavement Marking (STOP Line)	LF	134		
39.40	Pavement Marking (Double Turn Arrow)	EA	1		
39.45	Pavement Marking (Straight-Right Arrow)	EA	1		
39.50	Pavement Marking (Handicap Symbol)	EA	3		
41.10	Painted Pavement Marking (Line)	LF	12,000		
41.11	Painted Pavement Marking Dotted (Line)	LF	282		
41.12	Painted Pavement (6" Line)	LF	830		
55.20	Removable Bollard	EA	8		
63.10	Signage	LS	1		
63.20	Type III Metal Barricade with Road Closed Sign	EA	2		
64.11	Pedestrian Safety Rail	LF	470		
64.12	Culvert Pedestrian Rail	EA	2		
70.10	Temporary Water Pollution Control	LS	1		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
90.10	Power Service (panel, rack, meter)	EA	3		
90.11	200 amp Service Conductors	LF	500		
90.12	100 amp Service Conductors	LF	100		
90.13	Single Head Light Pole Assembly (Terminus)	EA	3		
90.14	Dual Head Light Pole Assembly (Terminus)	EA	5		
90.15	Single Head Light Pole Assembly (Greenway/BCP)	EA	52		
90.16	Single Head Light Pole Assembly (Park Drive)	EA	15		
90.17	Light Pole Wiring	LF	5,700		
90.18	Pullboxes	EA	35		
90.19	Concrete Encasement	LF	550		
90.20	Communications and Future Building Conduit	LF	950		
TOTAL BID				\$	

TOTAL BID (In Words):