


ADDENDUM NO. 5

DATE: July 31, 2017

TO: All Bidders

FROM: Boyce H. Evans, Purchasing Agent 

SUBJECT: Addendum No. 5 – Grainger Avenue Bridge Project

BIDS TO BE OPENED: August 2, 2017, at 11:00:00 a.m. Eastern Time

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

Questions

Question #1: We are planning to quote the handrail (Sheet 5). The design calls for 2" OD x .134" wall. After searching I cannot find but .125" wall as the thickest wall in A500. Can .125" wall be used? If not, I would offer 2" pipe (sch 40) which would have a 2 3/8" OD as an option.

Response: ASTM A500 Grade B, 2" O.D. x 0.125" wall tube is acceptable.

Question #2: Bid Form on Addendum #4 shows the Item 716-13.01 at 0 L.M. Is that correct?

Response: No. The quantity for Item 716-13.01 is 0.2 L.M. and a new BD-6 is attached to this addendum.

Clarification

In response to question #2 on Addendum #4, Item 716-02.01, Plastic Pavement Marking was added. As part of this Addendum, that item is being replaced with Item 716-10.01, Preformed Plastic Pavement Marking (4IN Line) and the quantity has been increased to 120 LF. A new BD-6 is attached to this addendum.

END OF ADDENDUM NO. 5

BID PROPOSAL
CITY OF KNOXVILLE, TENNESSEE

Grainger Avenue Bridge Project
Project No. 14A-B-0571

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 Grainger Avenue Bridge Project, Project No. 14A-B-0571, 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
ESTIMATED ROADWAY QUANTITIES					
105-01	Construction Stakes, Lines and Grades	LS	1		
201-01	Clearing & Grubbing	LS	1		
202-01	Removal of Structures & Obstructions	LS	1		
203-01	Road & Drainage Excavation (Unclassified)	CY	150		
203-03	Borrow Excavation (Unclassified)	CY	580		
203-04	Placing & Spreading Topsoil	CY	100		
203-06	Water	MG	7		
203-07	Furnishing & Spreading Topsoil	CY	20		
203-08	Channel Excavation (Unclassified)	CY	700		
209-05	Sediment Removal	CY	30		
209-08.02	Temporary Silt Fence (with Backing)	LF	400		
209-09.04	Sediment Filter Bag (15' x 10')	EA	2		
209-09.43	Curb Inlet Protection (Type 4)	EA	10		
209-40.33	Catch Basin Protection (Type D)	EA	1		
209-65.04	Temporary In Stream Diversion	LF	450		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
303-01	Mineral Aggregate , Type A Base, Grading D	TON	810		
303-10.01	Mineral Aggregate (Size 57)	TON	16		
307-01.08	Asphalt Concrete Mix (PG64-22) (BPMB-HM) Grading B-M2	TON	190		
307-01.15	ASC Mix (PG64-22) (BPMLC-HM) Grading CS	TON	10		
402-01	Bituminous Material for Prime Coat (PC)	TON	2		
402-02	Aggregate for Cover Material (PC)	TON	9		
403-01	Bituminous Material for Tack Coat (TC)	TON	4		
407-02.13	Removal & Disposal of Existing Asphalt Pavement	SY	300		
407-20.05	Saw Cutting Asphalt Pavement	LF	200		
411-01.10	ACS Mix (PG64-22) Grading D	TON	100		
411-01.11	ACS Mix (PG64-22) Grading E Rdwy	TON	25		
415-01.02	Cold Planing Bituminous Pavement	SY	100		
604-20.11	Painted Metal Handrail	LF	96		
607-03.02	18" Concrete Pipe Culvert (Class III)	LF	240		
607-05.02	24" Concrete Pipe Culvert (Class III)	LF	32		
607-07.02	36" Concrete Pipe Culvert (Class III)	LF	96		
611-01.03	Manholes, > 8' - 12' Depth	EA	1		
611-07.01	Class A Concrete (Pipe Endwalls)	CY	6		
611-07.02	Steel Bar Reinforcement (Pipe Endwalls)	LB	100		
611-10.03	Catch Basins, Type 10, > 8' - 12' Depth	EA	1		
611-12.02	Catch Basins, Type 12, > 4' - 8' Depth	EA	7		
611-14.02	Catch Basins, Type 14, > 4' - 8' Depth	EA	1		
611-14.03	Catch Basins, Type 14, > 8' - 12' Depth	EA	1		
701-01.01	Concrete Sidewalk (4")	SF	3,200		
701-02	Concrete Driveway	SF	900		
701-02.03	Concrete Curb Ramp	SF	500		
702-01.02	Concrete Curb	LF	620		
707-01.11	Chain Link Fence (6 Foot)	LF	45		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
707-01.12	End & Corner Post Assembly (Chain-Link Fence 6')	EA	2		
707-08.11	High-Visibility Construction Fence	LF	300		
709-02.01	Rubble Stone Rip-Rap (Grouted)	CY	25		
709-05.08	Machined Rip-Rap (Class B)	TON	240		
709-10.01	Gabions (3' x 3') (PVC Coated)	CY	70		
710-02	Aggregate Underdrains (with Pipe)	LF	60		
712-01	Traffic Control	LS	1		
712-04.01	Flexible Drums (Channelizing)	EA	40		
712-05.01	Warning Lights (Type A)	EA	20		
712-06	Signs (Construction)	SF	300		
712-07.03	Temporary Barricades (Type III)	LF	90		
713-11.05	Square Tube Sign Support	LB	150		
713-13.03	Flat Sheet Aluminum Signs (0.100" Thick)	SF	22		
713-16.01	Changeable Message Sign Unit	EA	2		
716-02.03	Plastic Pavement Marking (Cross-Walk)	LF	105		
716-02.05	Plastic Pavement Marking (Stop Line)	LF	55		
716-10.01	Performed Plastic Pavement Marking (4IN Line)	LF	120		
716-13.01	Spray Thermo Pavement Marking (60 MIL) (4IN Line)	LM	0.2		
717-01	Mobilization	LS	1		
740-10.03	Geotextile (Type III) (Erosion Control)	SY	350		
740-11.02	Temporary Sediment Tube 12IN (Description)	LF	800		
795-51.01	Bollard	EA	2		
801-01	Seeding (with Mulch)	UNIT	7		
801-02	Seeding (without Mulch)	UNIT	4		
805-12.05	Turf Reinforcement Mat (Channel Liner)	SY	380		
SP-01	Relocate Banner Post	LS	1		
SP-02	Plastic Pavement Marking (Diagonal Style Cross-Walk)	LF	28		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
ESTIMATED BRIDGE QUANTITIES					
203-40.17	Rock Dowel	LF	550		
204-11	Bridge Excavation (Unclassified)	CY	2,700		
204-04.01	Rock Excavation (Bridges)	CY	100		
204-05	Rock Drilling (Bridges)	LF	36		
303-01.02	Granular Backfill (Bridges)	TON	5,500		
604-01.32	Class A Concrete (Leveling)	CY	100		
604-02.03	Epoxy Coated Reinforcing Steel	LB	44,530		
604-03.01	Class A Concrete (Bridges)	CY	455		
604-03.02	Steel Bar Reinforcement (Bridges)	LB	55,870		
604-03.09	Class D Concrete (Bridge Deck)	CY	114		
604-04.01	Applied Texture Finish (New Structure)	SY	510		
610-10.45	Deck Drains	EA	8		
615-02.19	Prestressed Concrete Box Beam (24" x 36")	LF	371		
620-05	Concrete Parapet with Structural Tubing	LF	110		
710-09.01	6" Perforated Pipe with Vertical Drain System	LF	190		
710-09.02	6" Pipe Underdrain	LF	60		
ESTIMATED GAS MAIN QUANTITIES					
4000e	2" MDPE Gas Main, SDR 11	LF	250		
4000f	Adder for Full Clean Stone Backfill in or within 3' of Pavement per Section 02321	LF	100		
4005q.1	2" Gas PE Tee with Single Valve on Tap Line per KUB Fig. 18-15305-t2	EA	1		
4010c	2" PE Straight Tie-In to 2" PE Main per KUB Fig. 2-15320-b1	EA	2		
4015e	2" IPS, MDPE Gas Valve Installation	EA	2		
4020a	1/2" CTS PE Residential Service on PE Main per KUB Fig. 1-15345-a	EA	1		
4025a	Installation for Service Lines 1/2" to 1" Service Installation Beyond 50 Ft	LF	50		
4030a	3/4" Riser	EA	1		
4035a	Condemn Existing Gas Facilities	LS	1		
4050d	2" MDPE Gas Main with 4" MDPE Casing Pipe Installed by HDD	LS	1		

ITEM NO.	DESCRIPTION	UNITS	TOTAL QUANTITY	PRICE PER UNIT	TOTAL PRICE PER ITEM
6010g	Pipeline Marker Installation (Marker Furnished by Owner)	EA	2		
6005a	Asphalt Pavement Repair, Base Course + Surface Course	LF	30		
6010b	Portland Cement Concrete Driveway	SY	25		
6010d	Concrete Curb	LF	75		
6010e	Concrete Sidewalk	SY	30		
6045	Cleanup, Restoration & Closeout	LS	1		

ESTIMATED SANITARY SEWER QUANTITIES

2635	Concrete for Encasement	CY	220		
2700	Excavation (Unclassified)	CY	3,000		
2800	Full Stone Backfill	TON	2,400		

ESTIMATED WATER MAIN QUANTITIES

3000f	8" Water Line (DIP 350) Under Pavement or Within 3' of Edge of Pavement per Section 02321	LF	300		
3010d	8" Gate Valve	EA	2		
3015a	2" Blow-Off Valve Assembly	EA	1		
3015g	Reset Existing Fire Hydrant Assembly	EA	1		
3020a	New 8" DI Water Main Tie-In to Existing 8" Cast Iron Water Main	EA	2		
3025a	Reconnection (Service Tap) - 1" and Smaller	EA	1		
3025h	Meter Well and Lid, Meter Horn, and Associated Fittings - 1" and Smaller	EA	1		
3025o	3/4" Copper Service Pipe	LF	20		
3030a	Abandon Existing Mains	LS	1		
3100a	8" Water Line (DIP 350) On Bridge	LF	55		
3100b	8" Water Line Bridge Abutment Penetration	EA	2		
3100c	8" Dia. Water Line Support	EA	9		
3100d	8" Dia. Dresser Model 63 Expansion Joint	EA	1		

TOTAL BID

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TOTAL BID (In Words):