

ADDENDUM NO. 2

DATE: May 31, 2019

TO: All Potential Bidders

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

SUBJECT: Addendum No. 2 – Fire Department Headquarters Driveway Replacement

BIDS TO BE OPENED: June 4, 2019, at 11:00:00 a.m. (Eastern Time)

This addendum is being published to respond to questions asked by potential bidders regarding the above-referenced Invitation to Bid. This addendum becomes a part of the Contract Document and modifies the original specifications as noted.

The pay items for undercut and mineral aggregate base have been added to establish unit prices in the event soft materials are discovered at subgrade. These items are only to be used with direction from the Engineer. A revised Bid form is included with this addendum.

With this addendum, the Technical Specification for Mineral Aggregate Base is being added to the project.

Question #1: What is the area (square feet) of the pavement for each Phase?

Response: Each area is estimated as follows:

Phase 1 – 7,064 SF
Phase 2 – 4,430 SF
Phase 3 – 2,800 SF

Refer to General Note #7, Sheet S-2: The Contractor shall field verify all conditions, grades and dimensions prior to construction. If the Contractor discovers any errors, omissions, or discrepancies, he shall contact the Engineer. The Engineer will then issue instructions as to how to proceed.

Question #2: Is the Typical Isolation Joint, Doweled (Detail 5, Sheet S-3) to be epoxy-grouted into the existing concrete?

Response: Yes. Use HILTI HIT-HY 200, or engineer-approved equal, on dowel end in existing concrete. Install as per manufacturer's specifications.

END ADDENDUM NO. 2

BID PROPOSAL
CITY OF KNOXVILLE, TENNESSEE

**Fire Department Headquarters Driveway Replacement Project
Project No. 18B-C-0660**

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 Fire Department Headquarters Driveway Replacement Project, Project No. 18B-C-0660, 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	_____	_____
4.10	Grading - Excavation (Unclassified)	SY	1,600	_____	_____
4.20	Grading for Undercut	CY	10	_____	_____
5.10	Mineral Aggregate Base	TON	15	_____	_____
15.10	Concrete - Reinforced Structural Concrete	SY	1,600	_____	_____
31.10	Erosion Prevention and Sediment Control	LS	1	_____	_____
34.10	Construction Area Traffic Control	LS	1	_____	_____
TOTAL BID				\$	_____

TOTAL BID (In Words):

TECHNICAL SPECIFICATIONS
FOR
MINERAL AGGREGATE BASE

1. Description

This work shall consist of furnishing and placing one or more courses of aggregates and additives, if required, on a prepared subgrade in accordance with these Specifications and in reasonably close conformity with the lines, grades, thicknesses and typical cross-section shown on the Plans or established by the Engineer. This work also includes furnishing and placing Maintenance Stone and Backfill Stone in accordance with these Specifications and the Plans.

2. Materials

All materials used in this construction, in addition to the general requirements of these Specifications, unless otherwise stipulated, shall conform to the following:

- (a) Mineral Aggregate Base shall be crushed stone, Class A Aggregate Grading D, as specified in Subsection 903.05 of the TDOTSS, January 1, 2015, and all Special Provisions pertaining thereto through the date of advertisement for this Contract.

<u>Sieve Size</u>	<u>Total Percentage by Weight Passing Sieves</u>
1-1/2 inch	100
1 inch	85 - 100
3/4 inch	60 - 95
3/8 inch	50 - 80
No. 4	40 - 65
No. 16	20 - 40
No. 100	9 - 18

- (b) Calcium Chloride shall meet the requirements of the AASHTO Specification for Calcium Chloride, Designation M-144 and shall be Type 2.
- (c) Maintenance Stone and Backfill Stone shall be of quality and gradation as specified in Subsection 2(a) above. The backfill stone in the roadway or less than 5 feet from the outside edge of the roadway, curbs, gutters and sidewalks shall be compacted to 100% of the Standard Proctor Density at 2% less than the optimum moisture content as determined by AASHTO T99 Method D.

3. Equipment & Construction Requirements

- (a) Equipment and Construction Requirements shall conform to Subsections 303.05 to 303.12 of the TDOTSS, January 1, 2015, and all Special Provisions Pertaining thereto through the date of advertisement of this Contract. In addition, the following compaction, will be required: Mineral Aggregate Base shall be compacted to 100% of the Standard Proctor Density at 2% less than the optimum moisture content as determined by AASHTO T99 Method D.
- (b) The maximum speed of trucks hauling or traveling over any part of the project under construction shall be 20 mph.

4. Method of Measurement

- (a) Mineral Aggregate Base, Maintenance Stone, and Backfill Stone will be measured by the ton in place, as by the actual scale weight.
- (b) All moisture in the Aggregate at the time of weighing in excess of eight percent will be deducted from the weight of the Aggregate.
- (c) Any water added on the road will be at the Contractor's expense.

5. Basis of Payment

- (a) The accepted quantities of Mineral Aggregate Base, Maintenance Stone, and Backfill Stone of the type specified will be paid for at the Contract unit price per ton, complete in place. This price shall be full compensation for all work, materials, including calcium chloride where specified and water; labor and other incidentals required to complete the work in accordance with the Plans and Specifications.
- (b) Payment will be made under the following bid item as set forth in the Bid Schedule:

- Mineral Aggregate Base
 - Mineral Aggregate Base with Calcium Chloride
 - Maintenance Stone