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ADDENDUM No. TWO

Date: June 14, 2023

Project: Mason Road Improvements, MES No. 2023-12

Engineer: M.E. Sack Engineering
Hinesville, Georgia

The original plans, specifications, and bid documents are amended to include the following:

Bid Form:

- Replace the previous Bid Form with the enclosed Bid Form.
Note an alternate has been added for stump grinding.

Specifications:

- Replace the previous Section 01150 Measurement and Payment with the enclosed of the same.

-END-

B. BID FORM

Bid Item	Quantity	Units	Description	Unit Price	Cost
1	1,280	SY	Paved Roadway Removal	\$	\$
2	1,273	SY	6" Granular Roadway Base	\$	\$
3	885	CY	Unsuitable Soils Removal & Replacement	\$	\$
4	1,273	SY	2" 9.5mm Asphalt Paving	\$	\$
5	11	LF	24" Stop Bar	\$	\$
6	1,095	LF	4" Solid White Line Striping	\$	\$
7	510	LF	5" Double Yellow Line Striping	\$	\$
8	1	LS	Grading	-	\$
9	1	LS	Demolition	-	\$
10	1	LS	Erosion Control	-	\$
11	1	LS	Grassing	-	\$
12	1	LS	Shoulder Clearing & Grubbing	-	\$
13	1	LS	Traffic Control	-	\$
14	1	LS	Mobilization (5% Max)	-	\$
ALTERNATE BID					
1	12	EA	Stump Grinding	\$	\$
				TOTAL BID	\$

**SECTION 01150
MEASUREMENT AND PAYMENT**

PART 1 - GENERAL

1.01 QUANTITIES

- A. Quantities: Quantities listed in the Proposal are approximate only and are intended to serve as a guide in comparing bids, and may be increased or decreased without invalidating the unit price bid.
- B. Payment: Contractor shall be paid for actual in place quantities as determined by the Engineer field measurements.
- C. Discrepancies: In case of discrepancies between the figures shown in the unit prices and totals, the unit prices shall apply and the totals shall be corrected to agree with the unit price.

PART 2 - MEASUREMENT AND PAYMENT

2.01 PAVEMENT REMOVAL AND REPLACEMENT

- A. Measurement: Measurement shall be made on the basis of each square yard of pavement restored in accordance with the Contract Documents based on the centerline length of the pipe and the width of the pavement restored or the width of the trench specified plus two feet, whichever is less.
- B. Payment: Payment will be made on the basis of the unit price stated in the bid. the work shall include, but is not limited to:
 - 1. Marking, cutting, and removal of pavement material as necessary.
 - 2. Trench maintenance and crusher run stone as required to maintain level traffic surface during construction period and compaction of trench.
 - 3. Finish and install asphalt patch in accordance with City of Pembroke Standard Specifications if on city street or in accordance with plans.
 - 4. Complete surface restoration and cleanup.

2.02 GRANULAR ROADWAY BASE

- A. Measurement: Measurement shall be made on the basis of the number of square yards of graded aggregate base applied to the parking lot and roadway at the specified thickness as shown on the construction plans. Irregular areas such as turnouts, filler strips and intersections will be measured to the closest square yard. Prior to installation of the asphalt all areas will be checked for proper thickness.
- B. Payment: Payment will be made on the basis of the number of square yards of granular crusher run (graded aggregated) base at the specified thickness applied to the roadway at the unit price stated in the bid. The price shall include all labor, equipment and material to complete the task. Work shall include, but not be

limited to, the furnishing, hauling, placing and compaction of the crusher run base in order to bring the base to the lines, grades, and cross sections shown on the construction plans or established by the Engineer.

2.03 UNSUITABLE SOILS REMOVAL AND REPLACEMENT

- A. Measurement: Measurement shall be made on the basis of each cubic yard of soil applied to the roadway at the specified thickness as shown on the construction plans. Irregular areas such as turnouts, filler strips, and intersections will be measured to the closest cubic yard. Prior to installation of new materials, all areas will be checked for proper thickness.
- B. Payment: Payment will be made on the basis of the number of cubic yards of soil at the specified thickness applied to the roadway at the unit price stated in the bid. The price shall include all labor, equipment, and material to complete the task. Work shall include, but is not limited to, the furnishing, hauling, placing, and compaction of the new material in order to bring the base to the lines, grades, and cross sections shown on the construction plans or established by the Engineer.

2.04 ASPHALT PAVING

- A. Measurement: Measurement will be made on the basis of each ton of asphalt in place, in accordance with the construction plans and accepted by the Engineer. Actual weight will be determined by weighing on a certified motor truck scale and presenting a notarized copy of the recorded weight to the Engineer.
- B. Payment: Payment will be made on the basis of the number of tons of asphalt in place in accordance with the unit price bid as stated in the contract. Work shall include, but is not limited to, the furnishing, hauling, placing and compaction of the asphalt in order to bring the pavement to the lines, grades and cross sections as designated on the construction plans and as determined by the Engineer. The unit price bid shall also include surface cleaning, prime, tack and pavement and handicap striping. All striping will be in accordance with MUTCD and local specifications.

2.05 PAVEMENT MARKING

- A. Measurement: Measurement shall be made on the basis of the number of linear feet applied to the roadway.
- B. Payment: Payment shall be made at the unit price stated in the bid. The unit price bid shall include all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, supplying, and installing all pavement markings to replace existing in accordance with construction plans, surface restoration, and cleanup.

2.06 GRADING

- A. Measurement: Measurement will be made on the basis of the percent complete of the item of work. All cut and fill quantities are based on the difference between initial topographic data and proposed contours shown on the plans.

- B. Payment: Payment will be made at the price bid for each item. Work shall include all equipment, labor and material to complete each task. This item will include, but is not limited to, excavation, material transportation and placement, grading to the lines and grades shown on the plans, compaction and stabilization.

2.07 DEMOLITION

- A. Measurement: Measurement shall be made on the basis of the percentage completed item in accordance with the plans, specifications and bid documents.
- B. Payment: Payment will be made on the basis of the completed item of work. The lump sum price shall include furnishing all labor, materials and equipment necessary to complete this item of work. Work shall include, but is not limited to, removal of any storm pipe, drainage structures, rip rap, or other material that exist and will not be used as part of this project, excavation, disposal at an approved site, backfill, compaction and surface restoration.

2.08 GRASSING

- A. Measurement: Measurement shall be made on the basis of the completed item in accordance with the construction plans and bid items.
- B. Payment: Payment will be made in accordance with the price stated in the bid. The unit price shall include, but is not limited to, furnishing all labor, materials and equipment necessary for the satisfactory growth of grass on all disturbed areas in accordance with plans and specifications. Work shall include, but not be limited to, furnishing all materials, fertilizer, soil samples, grass seed, raking, leveling, watering, maintenance and final surface restoration. Final payment will not occur until permanent grass is established.

2.09 CLEARING & GRUBBING

- A. Measurement: Measurement shall be made on the basis of the percentage complete of the task in accordance with the plans and specifications.
- B. Payment: Payment will be made at the lump sum stated in the bid. The price bid shall include furnishing all labor, materials and equipment necessary to complete this item. Work shall include, but is not limited to, removal of all trees, shrubs and undergrowth that presently exist, preventing the construction of this project. All material removed including vegetation, roots and organic mat shall be removed from the site and disposed of at a permitted site. The contractor shall take special care not to disturb the roots of trees that are marked to remain. Trees to be saved shall be marked and approved by the engineer prior. Trees to be saved shall have the appropriate tree protection installed.

2.10 TRAFFIC CONTROL

- A. Measurement: Measurement shall be made on the basis of the percentage complete of the lump sum bid in accordance with the construction plans and bid items.

- B. Payment: Payment shall be made on the basis of the percentage complete of the lump sum price stated in the bid as determined by the project engineer. The lump sum shall include furnishing all labor, materials, and equipment necessary to complete the task. The task shall include, but is not limited to, the placing, moving, and maintenance of all signage, barricades, cones, barrels, flagging, flag men, and guide vehicles throughout the construction process to safely reroute traffic from existing traffic patterns. Traffic control shall be done in a manner to safely warn, reroute, and lead vehicles to their destination. Additional signage will be required if the engineer deems that the traffic control in place does not fully meet the required intent of the task. Changing of existing traffic patterns shall be communicated with the engineer no less than 48 hours prior to.

2.11 MOBILIZATION

- A. Payment will be made for the price as stated in the Contract once the Contractor has established his construction yard, and met the requirements established in the Contract Documents. Mobilization will be recognized complete once the Contractor has provided a construction schedule and moved his equipment and a substantial amount of material to the job site. Construction must be underway and progressing. Payment for mobilization will be limited to a maximum amount not to exceed 5% of the bid price.

2.12 STUMP GRINDING

- A. Measurement: Measurement shall be made on the basis of each tree removed from the right-of-way in accordance with the construction plans. Stump grinding will be required for trees that may conflict with existing underground utilities. All stumps are required to be ground down below the surface elevation to ensure proper maintenance of the right-of-way.
- B. Payment: Payment will be made on the basis of the unit price stated in the bid. The price bid shall include furnishing all labor, materials, and equipment necessary to complete the task. Work shall include, but is not limited to, grinding tree stumps in the right-of-way preventing the construction of this project. All material removed including vegetation, roots, and organic mat shall be removed from the site and disposed of at a permitted site. The contractor shall take special care not to disturb the roots of trees that are marked to remain. Trees to be saved shall be marked and approved by the Engineer prior. Trees to be saved shall have the appropriate tree protection installed.

END OF SECTION