


ADDENDUM NO. 1

Sedgwick County Project: 2015 Asphalt Surface Rejuvenation (R175-A)

The items contained herein now become a part of the referenced plans and specifications. Please read the following items and acknowledge receipt of this addendum on the Proposal Page Number P-1. NOTE: THIS ADDENDUM MUST BE ACKNOWLEDGED TO CONSTITUTE A VALID BID.

SPECS:

Replace pages PPM-1 to 3 with PPM-1R to 3R.

By: 
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Deputy Director of Public Works

Date: March 27, 2015

SPECIAL PROVISION

NOTE: This special provision is generally written in the imperative mood. The subject, "the *Contractor*" is implied. Also implied in this language are "*shall*", "*shall be*", or similar words and phrases. The word "*will*" generally pertains to decisions or actions of Sedgwick County Public Works.

PAINTED PAVEMENT MARKINGS

- 1.0 DESCRIPTION.** Prepare the pavement and apply pavement markings as shown in the Contract Documents or as directed by the engineer.

| BID ITEMS | UNIT |
|--|----------|
| Pavement Marking (Paint) (White) (*) | L.F. |
| Pavement Marking (Paint) (Yellow) (*) | L.F. |
| Pavement Marking Symbol (Paint) (White) (**) | Each |
| * Width | |
| ** Type of Symbol | |
| Pavement Marking | L.S. |

- 2.0 MATERIALS.** The contractor shall supply materials that conform to the Special Provision for Extended Wear Water-Borne Traffic Line Paint.

- 3.0 CONSTRUCTION REQUIREMENTS.** The Contractor shall supply all equipment and materials to effect the installation of pavement marking paint lines and symbols as covered in this specification

3.1 Equipment.

- 3.1.1 Use self propelled or truck-mounted equipment which is designed for the purpose of applying painted traffic pavement markings of the type, width and thickness required. Hand application or towing of the equipment will not be allowed for longitudinal markings. Equip the machine with an adjustable guide-on to assure proper placement of the line. On previously painted roads, the pavement marking machine shall be capable of accurately tracing on top of existing markings. The machine shall also have a built-in computerized system to measure and maintain consistent material application thickness(es) on longitudinal markings as called out in section 3.2 of this special provision.
- 3.1.2 The contractor shall incorporate lead and trailing vehicles during the application process to reduce the opportunity for tracking of newly applied marking material when marking material is applied under traffic. The trailing vehicle should be spaced such that marking material dry time is provided to minimize tracking.

3.2 Pavement Marking Application

- 3.2.1 Mix and thin paint in accordance with the manufacturer's recommendation.
- 3.2.2 The pavement shall be cleaned with an air broom. This air broom shall be an integrated part of the application equipment, and it shall be located immediately in front of the paint gun(s).
- 3.2.3 Apply paint at a wet film thickness of 24 mils at an approximate rate of 5.02 gallons/1,000 feet for 4 inch lines when tracing existing markings. For other widths or symbols, increase the amount of paint proportionally to maintain the 24 mils wet film thickness.
- 3.2.4 Apply paint at a wet film thickness of 30 mils (0.030") at an approximate rate of 6.25 gallons/1,000 feet for 4 inch lines when applying markings on a new surfaces, overlays or seals. For other widths or symbols, increase the amount of paint proportionally to maintain the 30 mils wet film thickness.
- 3.2.5 Apply glass beads to the painted lines and symbols at a minimum rate of 8 pounds of glass beads for each gallon of paint. Glass beads shall be uniformly distributed across the width of the line or symbol. Use an automatic bead dispenser attached to the pavement marking machine in such a manner that the beads are dispensed almost instantaneously upon the line as it is being installed. Equip the glass bead dispenser with an automatic cut-off control synchronized with the cut-off of the paint. Symbols may have the beads dispensed by any method approved by the Engineer that adheres to the rate and uniformity of bead application described above.
- 3.2.6 Broken lines shall be painted as 10 feet segments with 30 feet gaps. Double centerlines should consist of 4" lines separated by 4" spaces.
- 3.2.7 Do not apply paint when the air temperature is below 50° F unless approved by the Engineer. Do not apply paint upon damp or frosted surfaces or when, in the opinion of the Engineer, conditions are not satisfactory for the work.
- 3.2.8 The Engineer will check the painted wet film thickness at the beginning of each work day, and at varied intervals throughout the day to insure that the materials are being placed at the proper thickness. The Engineer shall be notified prior to making any adjustments that will vary the mil thickness.

3.3 Replacement of Unsatisfactory Pavement Marking.

- 3.3.1 The Engineer will verify the width of finished lines. The required widths of lines will be detailed in the summary of quantities or elsewhere in the contract documents. Applied pavement markings shall be straight and close to the intended alignment without abrupt changes that result in an unacceptable appearance as determined by the Engineer.
- 3.3.2 The Contractor shall remove and replace pavement marking that has areas that present a ragged appearance, areas that do not present clear and sharply defined edges, or areas with abrupt unintended changes in alignment or areas with unsatisfactory nighttime retro-reflectivity.
- 3.3.3 Any roads or parts of roads that Sedgwick County deems unacceptable shall be repainted at no additional cost within two-weeks of notification to the contractor. The removal and replacement of unsatisfactory pavement marking will be at the Contractor's expense.

4.0 CONTRACTOR REQUIREMENTS. The pavement marking contractor's office/branch bidding the work or the contractor's crew to be assigned to the project shall have demonstrated the ability and aptitude to work with the marking materials by having successfully installed pavement markings for a minimum of 10 years. References shall be made available to Sedgwick County upon request.

5.0 MEASUREMENT AND PAYMENT.

Projects bid by the Lineal Foot: The Engineer will measure painted pavement marking by the linear foot for the various widths. The Engineer will measure each symbol.

Payment for "Pavement Marking (Paint) (White)", "Pavement Marking (Paint) (Yellow)" and "Pavement Marking Symbol (Paint) (White)" at the contract unit prices will be full compensation for the specified work. Glass beads are incidental to the bid items "Pavement Marking (Paint) (White)" and "Pavement Marking (Paint) (Yellow)".

Projects bid by the Lump Sum: The pavement marking contractor will be responsible for installing all pavement marking according to its original configuration prior to the overlay or construction and/or in accordance with the pavement marking plan.

Payment for "Pavement Marking" at the contract unit price will be full compensation for the specified work. Glass beads are incidental to the bid item "Pavement Marking".