

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

SPECIAL PROVISION

FOR

THE

INTERSTATE /APPALACHIAN PAVEMENT MARKING CONTRACT

STATE PROJECT NUMBER: _____

FEDERAL PROJECT NUMBER: _____

SECTION 663

PAVEMENT MARKINGS

663.2 – MATERIALS:

ADD THE FOLLOWING AS THE FIRST PARAGRAPH

The Successful Contractor shall employ only one (1) pavement marking scheme per contract unless otherwise directed by the Engineer. A pavement marking scheme consists of one particular binder, bead/ceramic type(s), application rate and associated tolerances as specified by the manufacturer. There shall be no materials testing associated with the warranted pavement marking scheme, but the binder and bead/ceramic type, application rate and all other particulars shall be provided to the Engineer at the Pre-Construction Conference.

ADD THE FOLLOWING TO THE TABLE:

MATERIAL	SUBSECTION
WHITE OR YELLOW FAST-DRY TRAFFIC PAINT, TYPE X	711.43

663.4 – PAVEMENT PREPARATION – PREMARKING, CODING

DELETE THE SECTION AND REPLACE WITH THE FOLLOWING:

The Department will be responsible for coding and spotting where old markings cannot be determined or if the Department desires to make changes in existing markings. Where

existing markings cannot be determined by the Contractor, the Division shall be given notification of seven (7) days prior to commencement of work for the Division to perform any necessary coding and spotting for these areas.

The Engineer may add or delete any route from the schedule, if, because of low traffic volumes or other reasons deemed necessary

The Contractor may begin painting upon Notice-To-Proceed.

All materials shall be applied as recommended by the material manufacturer. This shall include surface pre-treatment, if required.

663.5 – APPLICATION:

663.5.1 General

ADD THE FOLLOWING TO THE SUBSECTION:

The pavement marking material shall be mixed uniformly throughout and shall have a homogeneous dispersment of color and beads when applied to the pavement.

Prior to commencement of work, and only if required by the binder manufacturer, all existing edge, lane or center lines will be fully eradicated in accordance with Section 636.7 - Eradication of Pavement Markings. When eradicating lane or center lines, the Contractor shall replace the lines within twenty-four hours from the start of eradication. The eradication shall be incidental to Pay Items 663001 and 663002.

The Contractor shall provide pavement markings on Interstate and Expressway routes in city limits only on Sunday, unless otherwise directed by the Engineer.

663.5.2.1 – Approved Equipment and Personnel:

DELETE PARAGRAPH TWO OF THE SECTION AND REPLACE WITH THE FOLLOWING:

The Contractor (within seven (7) days prior to commencement of the project) shall submit to the Engineer a detailed list of all equipment and the resumes of all personnel within the confines of the project. The Contractor shall also provide certification from the binder manufacturer that the Contractor is qualified to apply the manufacturer's material in conformance with these specifications.

ADD THE FOLLOWING TO THE END OF THE SECTION:

The Contractor shall provide a calibrated measuring device for placing pavement marking materials.

The Contractor is responsible for quality control, and shall employ a Project Control Coordinator (PCC) at the Contractor's expense. The PCC shall be designated and in attendance at the Pre-Construction Conference. This PCC shall be a member of the District Pavement Marking Crew. The PCC shall be responsible for all communication between the District Pavement Marking Crew and District Personnel. Communications shall be provided to the District, and shall be employed between the PCC and the District in the form of cellular phone technology, two-way radio, or other form of communication

during working hours (communications shall be at the Contractor's expense and shall be integral to the contract cost).

The PCC shall be required to fill out all Daily Centerline Report(s) and provide these completed forms to the Engineer for payment. The Contractor shall provide the District all collective daily centerline reports on a weekly basis. The Contractor's weekly centerline reports shall be delivered to the Engineer the first work day of the following week. Failure to deliver centerline reports to the Engineer shall invoke daily liquidated damages as described in Section 108.7 and Table 108.7.1 of the West Virginia Division of Highway's Standard Specifications for each calendar day that the Contractor fails in delivering these centerline reports.

Each week's liquidated damages are evaluated separately regarding delivery of centerline reports. The Engineer will randomly check the accuracy of these reports. If a discrepancy of more than 2% is found, the Contractor will be required to have an independent consultant, approved by the Division, verify all pay items on this contract. The cost of this consultant will be the responsibility of the Contractor and no reimbursement will be made by the Department.

ADD THE FOLLOWING TO THE SECTION:

663.5.10 – Completion of work: Pavement marking shall be completed by August 30th, 2011. The Contractor shall be assessed as described in Schedule A per calendar day for each day after August 30th, 2011 that work is not completed. At the Pre-Construction Conference the Contractor will be provided with county maps and tables showing the roadways to be painted. The Contractor may begin painting after May 1st, 2011 or as directed by the Engineer.

Schedule A –

EXAMPLE:

GIVEN:

Contract inception date = May 1st, 2011

Completion Date = August 31st, 2011

Percentage of Roadway Marking Incomplete = 5%

Contract Bid Price = \$2,700,000

Actual Completion Date = September 15th, 2011

Delinquent period = August 31st, 2011 until September 15th, 2011

663.6 – METHOD OF MEASUREMENT:

DELETE THE CONTENTS AND REPLACE WITH THE FOLLOWING:

The quantity of pavement marking lines to be paid for shall be the actual number of linear miles of pavement markings which have been satisfactorily placed.

The Type V pavement markings (existing pre-formed thermoplastic) are to be eradicated and replaced with formed, heat applied thermoplastic meeting specifications from an approved DOH vendor (see enclosed Standard Detail Sheet TEM-1, 2, 3, 4). All eradication of existing Type V lines shall be inclusive within this thermoplastic bid item.

663.8 – PAY ITEMS

ADD THE FOLLOWING TO THE TABLE

Item Number	Description	Unit
663001-031	Edge Line, Type X – 6 in	MI
663001-036	Edge Line, Type X – 8 in	FT
663002-029	Lane Line, Type X – 6 in	MI
663002-045	Centerline, Type X- 6 in.	MI