



ADDENDUM NUMBER ONE

DATE: January 30, 2017

OWNER: City of Wright City, Missouri

SUBJECT: Addendum Number One to
Bell Road/Wildcat Drive Sidewalk Improvements TAP-9900(384)
Project No. M12-6907B

This Addendum forms a part of the Bidding and Contract Documents and modifies the original Bidding Documents. **FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDUM MAY SUBJECT BIDDER TO DISQUALIFICATION.**

ITEM:

1. CHANGE:
SPECIFICATION SECTION 6000
 - Replace specification section with the attached specifications. The notable change is changing the striping from epoxy to waterborne acrylic paint.

2. CHANGE:
SPECIFICATION SECTION 5000 – PG 13
 - ITEM 5000.6 ADA DETECTABLE WARNING PLATES (PER LOCATION) – ~~SQUARE YARD PER EACH~~

3. ADDITIONAL INFORMATION:
GENERAL CONTRACTOR QUESTIONS/SUMMARY FROM PRE-BID MEETING
 - Do the joints need to be caulked, if so all the joints or just the ones with expansion material?
 - All expansion joints in the sidewalk shall be caulked with grey self-leveling sealant. All joints on the concrete approaches shall be caulked with black sealant.
 - Will the Contractor have to take down any fence along Wildcat Dr.?
 - The Contractor will not have to take down any fencing along Wildcat Dr. However, the Contractor must know that they will be working in close proximity to the fencing and shall use caution to ensure the fencing is not damaged.
 - Will the City of Wright City be willing to wait till the summer months to begin this project?
 - The City of Wright City is anticipating notice to proceed as soon as possible and will not entertain postponing this project until a later date.

- The Contractor will be responsible for coordinating entrances/approaches with the property owners to ensure businesses are not interrupted.
- School will be in session and the Contractor must coordinate with the School District to ensure dropoff and pickup times are not interrupted with construction.
- Construction Staking shall be provided by the Contractor.
- The City of Wright City will provide construction testing.

Attachments: Specification Section 6000

END ADDENDUM NO. 1

SECTION 6000 - PAVEMENT MARKINGS

1. GENERAL

- A. Description of Work: Provide and install temporary raised pavement markers and final painted markings on the pavement at locations as indicated on the drawings and in accordance with the existing striping conditions.
- B. Standards: All pavement markings shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices and the latest edition of the Missouri Standard Specifications for Highway Construction.
- C. All pavement markings shall be uniform in appearance with crisp, well-defined edges and shall be uniform in width and thickness. Surface distribution of the beads shall be uniform.
- D. Longitudinal pavement marking shall not be placed on longitudinal joints, coordinate with pavement joints and lane widths.
- E. The Contractor will be responsible for the protection of all liquid pavement marking until the pavement marking has reached a no-track state as determined by the Engineer.
- F. Damage to pavement marking as a result of the Contractor's operations, including resurfacing of shoulders, shall be repaired or replaced at the Contractor's expense.
- G. All pavement marking shall be installed in accordance with this specification and all manufacturer's recommendations. Manufacturer's written application or installation instructions shall be provided by the Contractor to the Engineer.
- H. The Engineer will check application rates occasionally during the course of the work.
- I. When surface preparation is required, the area prepared shall be 1 inch wider than the final pavement marking. The method of surface preparation shall not cause structural damage to the pavement and shall meet the approval of the Engineer.

2. PRODUCTS

- A. Acrylic Waterborne Pavement Marking Paint: The acrylic waterborne pavement marking paint shall meet Section 620.40, 1048.100 and all other appropriate sections of the Missouri Standard Specifications for Highway Construction and shall be mixed in accordance with manufacturer's instructions before application. Color shall be white or yellow.
- B. Glass Spheres: Type P drop on glass beads shall be manufactured from glass of a composite that is highly resistant to traffic wear and the effects of weathering per Missouri Standard Specification for Highway Construction Section 1048.40.5.
 - 1. REFRACTIVE INDEX: The reflective glass spheres used for surface application shall have refractive index of not less than 1.51 when tested in accordance with AASHTO M 247

2. **ROUNDNESS:** When tested according to ASTM Method D-1155, the reflective glass spheres passing the No. 30 sieve shall have a minimum of 75% true spheres. All Type P beads retained on the No. 20 and No. 30 sieves shall have a minimum of 80% true spheres.
3. **GRADATION:** The Type P Beads used for surface applications, shall meet the gradation requirements of ASTM D 1214, as follows:

AASHTO D-1214 GRADATION

sieve size	percent retained
20	3 to 10%
30	15 to 35%
50	45 to 75%
70	0 to 10%
Pan	0 to 5%

3. **PERMANENT PAVEMENT MARKING**

- A. Permanent pavement marking shall be in accordance with the contract drawings. The Engineer will only be responsible to spot check the layout before final pavement marking operations.
- B. Surface Preparation and Application: Shall be in accordance with Section 620.70.3.3 of the Missouri Standard Specifications for Highway Construction, Current Edition and as follows:
 1. **MOISTURE:** All surfaces shall be inspected for moisture content prior to application of paint. Approximately two (2) square feet of a clear plastic or tar paper shall be laid on the road surface and held in place for fifteen (15) to twenty (20) minutes. The underside of the plastic or tar paper shall then be inspected for a buildup of condensed moisture from the road surface. If the amount of condensed moisture is of a sufficient amount to result in water dripping from the plastic or tar paper when held in a vertical position, paint shall not be applied. This moisture test shall be repeated until the moisture in the road surface has been allowed to evaporate to a level whereby there is not excessive build up of condensed moisture on the underside of the plastic or tar paper.
 2. **CLEANING:** All surfaces shall be clean and dry before paint can be applied. Loose dirt and debris shall be removed by blowing compressed air over the area to be striped.
 3. The pavement marking material shall be applied to the road surface at 15 mils on concrete pavement through the use equipment designed to precisely meter the two components in the ratio recommended by the manufacturer.
 4. The pavement marking shall only be applied during dry weather and on dry pavement surfaces. At the time of installation, the pavement surface temperature and ambient temperature shall be above 50 F.

5. Both components shall be brought to the temperature recommended by the manufacturer, prior to mixing and application and shall remain at that temperature throughout the operation.

4. MEASUREMENT

- A. Temporary Pavement Markings: No direct measurement shall be made for temporary pavement markings. This work shall be considered incidental and a subsidiary obligation of the Contractor. The work will include the removal of all items, regardless of whether the items are shown on the plans or encountered during construction.
- B. The quantity measured of pavement marking shall be the lineal feet of waterborne pavement marking material in place, complete and accepted.

5. PAYMENT

- A. Payment shall be at the unit prices as herein indicated. These prices shall be full compensation for the execution of pay items indicated including all material, furnishing equipment, labor, tools, layout, glass beads, removal of temporary markings and incidentals necessary to complete these items.
- B. If there is no quantity shown in the bidding schedule, the work covered by this section shall be considered incidental and a subsidiary obligation of the Contractor.

ITEM 6000.1 PAVEMENT MARKING 12" SOLID WHITE – LINEAL FOOT

ITEM 6000.2 PAVEMENT MARKING 24" SOLID WHITE – LINEAL FOOT

END SECTION 6000