



**TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

May 14, 2012

CALL NO. 304  
CONTRACT ID NO. 122413  
ADDENDUM # 2

Subject: Hardin County, FE01 047 8111  
Letting May 18, 2012

- (1) Revised - Special Notes - Pages 13-20 of 89
- (2) Revised - Bid Items - Page 89 of 89

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith  
Director  
Division of Construction Procurement

RG:ks  
Enclosures



An Equal Opportunity Employer M/F/D

## SPECIAL NOTES FOR ELIZABETHTOWN COMMUNITY TECHNICAL COLLEGE

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### I. GENERAL

Perform all work in accordance with the Department's 2008 Standard Specifications, applicable Special Provisions, and Standard and Sepia Drawings except as specified in these notes or elsewhere in this proposal. Article references are to the Standard Specifications. Furnish all materials, labor, and equipment for the following work:

- (1) Maintain and Control Traffic; (2) Joint Sealing; (3) Place Pavement Seal; (4) Asphalt Surfacing; and (5) all other work required by the contract.

### II. MATERIALS

The Department will sample and test all materials according to the Department's Sampling Manual and the materials shall be available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in the Notes.

**A. Maintain and Control Traffic.** See Traffic Control Plan.

**B. Joint Sealant.** Furnish crack sealant material compatible with pavement seal material.

**C. Seal Coating.** Use Neyra Jennite Coal Tar Pavement Sealer or SealMaster Polymer Modified Coal Tar Sealer. Apply the seal over the entire area as specified for Moderate Traffic for Jennite or two coats of SealMaster as directed by the Engineer. The Engineer will determine method of application for approved equals.

### III. CONSTRUCTION METHODS

**A. Maintain and Control Traffic.** See Traffic Control Plan.

**B. Site Preparation.** Be responsible for all site preparation for Parking Lot A3 Extension, including but not limited to staking, clearing and grubbing; common, solid rock, and special excavation and embankment in place to prepare subgrade; placing of stone; restoration of slopes; disposal of materials, waste, and debris; cleaning ditches;

restoration, clean up, and final dressing. Perform all site preparation only as approved or directed by the Engineer.

**C. Joint Sealing and Seal Coating.** Seal cracks greater than 1/8" in width or as directed by the Engineer. See drawings for locations to receive crack sealing and seal coating. Thoroughly clean cracks of all vegetation and debris, vertically airblow cracks prior to applying sealant material. After filling cracks apply seal coating per manufacturer's recommendations.

**D. Asphalt Base and Surface.** Lots to be resurfaced will be resurfaced with 1 inch of CL2 ASPH SURF 0.38D PG64-22. Lots that receive base and surface will have a base thickness of 3 inches of CL2 ASPH BASE 0.75D PG64-22 and 1 inch of CL2 ASPH SURF 0.38D PG64-22.

All existing asphalt speed bump are to be put back in kind at the same locations. The cost associated to log and construct the speed bumps will be incidental to the asphalt surface.

Be advised that various locations where the asphalt meets the walkways in parking lots B and J will require edge keying prior to the surfacing. The contractor will perform work in order so that no ponding of water will occur at these locations upon completion of the work. Milling and any staking needed to perform this work is incidental to the asphalt surface.

**E. Parking Lot Striping.** See Special Note for Parking Lot Striping. It is the intent that all striping be put back in it original location. Record all markings prior to surfacing. The Engineer will approve the layout prior striping. The cost of cataloging the existing striping is incidental to the permanent pavement striping.

**F. Precast Vehicle Stop.** All existing precast vehicle stop are to be removed without damage, stockpile on site and reset after the completion of the surfacing. They are to be reset in accordance Standard Drawing RPM-130-03. All cost associated with this work shall be incidental to the asphalt surface.

**G. Re-grading Gravel Parking Lot.** Parking lots A3 and K are gravel lots. The contractor is to reshape and grade to drain both lots. A quantity of Crushed Stone Base is setup to re-establish the surface area. The cost of grading and shaping the lots is incidental to Crush Stone Base.

**H. On Site Inspection.** Each Contractor submitting a bid for this work shall make a thorough inspection of the site prior to submitting his bid and shall thoroughly familiarize himself with existing conditions so that the work can be expeditiously

- performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. The Department will not honor any claims resulting from site conditions.
- I. Restoration.** Any features disturbed by the work or by the Contractors operations shall be restored in like kind materials and design as directed by the engineer.
- J. Caution.** Information shown on the drawings and in this proposal and the types and quantities of work listed are not to be taken as an accurate or complete evaluation of the material and conditions to be encountered during construction. The bidder must draw his own conclusion as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and will not consider any claim for additional compensation if the conditions encountered are not in accordance with the information shown.
- K. Right-of-Way.** The limits of the work are within the Elizabethtown Community Technical College. Limit activities to the immediate work areas. Materials and equipment may be stored only at areas approved by the Elizabethtown Community Technical College and the Engineer.
- L. Waste.** Dispose of all waste and debris outside the College Grounds at sites obtained by the Contractor at no cost to the Department.
- M. Coordination of Work.** Coordinate all work on this project with the College's operations. Two weeks prior to beginning work, provide a work schedule to the Engineer for approval by the College Manager and Engineer.
- N. Utility Clearance.** Utility locations are not shown on plans or in the proposal for this project and have not been located by the Department. Locate all underground, above ground and overhead utilities prior to beginning construction. Be responsible for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. **Notify the Engineer and the utility owner(s) immediately when it is discovered or anticipated that any utility conflict could delay the Contractor's operations.** Do not disturb existing overhead or underground utilities. Be responsible for repairing all utility damage that occurs as a result of the work. It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the contractor while relocating their facilities. Working days will not be charged for those days on which work on the controlling item is delayed, as

provided in the Specifications. If the total delay exceeds ten working days, an extension of the specified completion date will be negotiated with the Contractor for delay to the Contractor's work; however no extension will be granted for any delay caused by the Contractor's failure to notify the Engineer and/or the utility company as specified above when a conflict is discovered or anticipated as specified. Comply with applicable sections of Chapter 107.

#### **IV. METHOD OF MEASUREMENT**

**A. Maintain and Control Traffic.** See Traffic Control Plan.

**B. Site Preparation.** Site preparation will be measured as lump sum.

**C. Joint Sealing.** Joint sealing will be measured in linear feet of cracks filled.

**D. Seal Coating.** Seal coating will be measured in square yards of finished in place area. Laps and waste will not be measured for payment.

#### **V. BASIS OF PAYMENT**

**A. Maintain and Control Traffic.** See Traffic Control Plan.

**B. Site Preparation.** Accept payment at the contract lump sum unit price as full compensation for all materials, equipment, labor, and incidentals, necessary to complete site preparation as specified in these notes and the Standard Specifications, including, but not limited to: staking, clearing and grubbing; common, solid rock, and special excavation and embankment in place to prepare subgrade; placing of stone; restoration of slopes; disposal of materials, waste, and debris; cleaning ditches; restoration, clean up, and final dressing.

**C. Joint Sealing.** Accept payment at the contract linear foot price as full compensation for all labor, materials, equipment, and incidentals for crack preparation and sealing.

**D. Seal Coating.** Accept payment at the contract square yard price as full compensation for all labor, materials, equipment, and incidentals for surface preparation and application of Seal Coating.

## SPECIAL NOTES FOR PAVEMENT SEALING

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### PART 1 GENERAL

#### 1.01 SECTION INCLUDES

- A. Engineered resin emulsion sealcoat slurry over new, and or aged asphaltic concrete paving.

#### 1.02 RELATED SECTIONS

- A. . Crack Sealing

#### 1.03 REFERENCES

- A. American Society for Testing and Materials (ASTM)
  - 1. C 136 Method of Sieve Analysis of Fine and Coarse Aggregates
  - 2. D 2939 Method for Testing Emulsified Bitumens used as Protective Coatings
  - 3. D 244 Standard Specification for Emulsified Asphalt
  - 4. D 3910 Practices for Design, Testing, and Construction of Slurry seal

#### 1.04 SYSTEM DESCRIPTION

- A. Provide two applications of the coating ( emulsion slurry) in all areas.

#### 1.05 SUBMITTALS

- A. Product Data
  - 1. Submit manufacturer's printed Product Data Sheet.

#### 1.06 QUALITY ASSURANCE

- A. Certification
  - 1. Submit letter from manufacturer stating applicator is their certified applicator.
- B. Certificate of Authenticity
  - 1. Submit a certificate executed by the manufacturer of the sealer stating the specific product was placed on the pavement.

## 1.07 PROJECT/SITE CONDITIONS

### A. ENVIRONMENTAL REQUIREMENTS

1. Apply coating when pavement temperature is a least fifty (50) degrees F. and air temperature is fifty (50) degrees F. and rising.
2. Apply coating during dry weather and when rain is not anticipated within eight (8) hours after application is completed.

## 1.08 WARRANTY

- A. Prior to final payment, submit two (2) year written dual warranty by materials manufacturer and contractor.
- B. Warranty will include statements that warrant performance of the coating against flaking, chipping, loss of adhesion or other abnormal wear.
- C. In the event of abnormal wear within the warranty period manufacturer will supply material and contractor will recoat with specified material to the affected area at no cost to the owner.

## PART 2 PRODUCTS

### 2.01 MANUFACTURER

- A. Neyra Industries, Inc., Cincinnati, Ohio. Jennite®, SealMaster Industries, Inc., Sandusky, Ohio. SealMaster®,

1. Materials are listed as a standard of quality.

- B. No other material will be acceptable unless approved by Architect/Engineer in writing ten (10) days prior to bid date.

### 2.02 MATERIALS

- A. Sealer: Jennite®, SealMaster®, or approved equal.

1. A high solids refined mineral colloid emulsion containing hot blended high molecular weight non-vulcanized polymer.

- B. Crack Sealant:

1. Hot applied, elastomeric type crack sealant compatible with pavement coating.

C. Pavement Primer:

1. Acrylic based primer compatible with pavement coating.

D. Oil Spot Primer:

1. Water based acrylic oil spot primer compatible with pavement coating.

E. Sand: As recommended in printed data sheets by sealer manufacturer.

1. Washed dry silica sand free of dust, trash, clay, organic materials or other contaminants.
2. Gradation: To have an American Foundry Society grain fineness number that is no less than fifty (50) and no more than seventy (70), when tested in accordance with ASTM C 136.

F. Mixing Water

1. Potable and free from harmful soluble salts.
2. Temperature of the water: minimum fifty (50) degrees F.

## 2.03 EQUIPMENT

- A. Use equipment that keeps the mixture homogeneous at all times and is capable of applying required coating weights evenly over entire width of application mechanism in order to provide a uniformly coated surface.

## 2.04 MIXES

- A. Add six (6) pounds of sand to the emulsion and mix with power equipment to a homogeneous condition. ( sand to be added after water)
- B. Add water to the coating mix as required for application not to manufacturer's recommendation.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Inspect existing pavement surfaces for conditions and defects that will adversely affect quality of work, and which cannot be put into an acceptable condition through normal preparatory work as specified.



B. Do not place coating over unsound oil spots softened by fuel or oil. If this condition exists, notify Architect/Engineer/ owner.

C. Starting installation constitutes Contractor's acceptance of surface as suitable for installation.

SPECIFIER SHOULD SELECT ONE OR BOTH SECTIONS UNDER PREPARATION BASED ON JOB REQUIREMENTS. (AGED/NEW) PAVEMENT

### 3.02 PREPARATION - AGED PAVEMENT

A. Crack Sealing: Apply crack sealant as detailed in cracksealing section.

B. Cleaning

1. Clean pavement surface prior to applying coating.

C. Protection

1. Protect adjacent curbs, walks, fences, and other items from receiving coating.

D. Oil Spots

1. Clean oil spots and treat with oil spot primer.  
2. Apply a diluted mixture of one (1) part primer and two (2) parts water at the rate of .03-.06 gallons per square yard.

### 3.03 APPLICATION

A. Apply all coats uniformly at a rate of 0.14 - 0.17 gallons per square yard per coat using mixed diluted material.

B. Allow each coat to cure sufficiently to take traffic without scuffing.

C. Allow final coat to cure a minimum of twenty four (24) hours under good drying conditions before allowing traffic.

### 3.05 CLEANING AFTER APPLICATION

A. Remove the coating from surfaces other than those requiring coating.

### 3.06 PROTECTION

A. Barricade coated areas until the coating has dried sufficiently for traffic.

CONTRACT ID: 122413  
COUNTY: HARDIN  
PROPOSAL: FE01 047 8111

PAGE: 1  
LETTING: 05/18/12  
CALL NO: 304

LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001 ROADWAY						
0010	00003	CRUSHED STONE BASE	557.000	TON		
0020	00078	CRUSHED AGGREGATE SIZE NO 2	433.000	TON		
0030	00221	CL2 ASPH BASE 0.75D PG64-22	633.000	TON		
0040	00301	CL2 ASPH SURF 0.38D PG64-22	1,497.000	TON		
0050	02187	SITE PREPARATION	1.000	EACH		
0060	02562	SIGNS	150.000	SQFT		
0070	02650	MAINTAIN & CONTROL TRAFFIC	( 1.00)	LS		
0080	06514	PAVE STRIPING-PERM PAINT-4 IN	24,586.000	LF		
0090	08540	JOINT SEALING	10,991.000	LF		
0091	20206EC	PAVE MARK HANDICAP SYMBOL (ADDED: 5-9-12)	14.000	EACH		
0100	23802EC	PRECAST VEHICLE STOP (REVISED: 5-14-12)	21.000	EACH		
0110	23957EX	SEAL COATING	43,966.000	SQYD		
SECTION 0002 DEMOBILIZATION						
0120	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
		TOTAL BID				