COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

August 8, 2022

CALL NO. 204
CONTRACT ID NO. 221337
ADDENDUM # 1

Subject: GRAVES-HICKMAN-FULTON COUNTIES, NHPP 0011 (038)
Letting August 18, 2022

(1) Added – Special Notes – Page 22(a)-22(ab) of 205
(2) Revised – Material Summary – Pages 124-136 of 205
(3) Revised – Wage Rates – Pages 174-187 of 205
(4) Revised - Proposal Bid Items – Pages 194-204 of 205
(5) Omit Proposal Pages 137 and 205
(6) Revised – Plan Sheet – S1

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

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

Sincerely,

Rachel Mills,

Rachel Mills

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

SPECIAL NOTE FOR 3/8" EPOXY-URETHANE WATERPROOFING OVERLAY FOR BRIDGE DECKS

I. DESCRIPTION

This specification describes the Pre-treatment and Overlay consisting of multiple layers of hybrid polymer systems and a special blend of extremely hard aggregate designed to provide a minimum of a 3/8" thick application for the purpose of complete waterproofing as well as providing a non-skid surface to withstand continuous heavy traffic and extreme changes in weather conditions.

Unless otherwise noted, Section references herein are to the Department's Standard Specifications for Road and Bridge Construction. All applicable portions of the Department's Standard Specifications apply unless specifically modified herein.

II. MATERIALS

A. Pre-Treatment

1. Hairline Cracks

a) This two part hybrid polymer shall be free of any fillers, volatile solvents and shall be formulated to provide simple volumetric ratio of two components such as one to one or two to one by volume.

b) This hybrid polymer system shall be formulated to provide a unique combination of extremely low viscosity and low surface tension coupled with a built-in affinity for concrete and steel.

2. Partial Depth Patching (if necessary)

a) Class "M" Concrete. Use either "M1" or "M2". See Section 601.

3. Overlay

a) The two-part epoxy-urethane co-polymer system shall be free of any fillers volatile solvents and shall be formulated to provide simple volumetric mixing ratio of two components such as one to one or two to one by volume.

b) The epoxy-urethane co-polymer system shall be formulated to provide flexibility in the system without any sacrifice of the hardness, chemical resistance or strength of the epoxy-urethane co-polymer system. Use of external/conventional flexibilizers are not acceptable. Flexibility shall be introduced by interaction of elastomers to chemically link in the process of curing so that the flexibility of the molecule is least affected during the low temperature conditions that are confronted in actual use.

4. Material Requirements of Epoxy Overlay

a) Physical Requirements of Cured Pretreatment for Cracks System. When Components A and B are mixed in the appropriate ratio, the cured resin shall conform to the requirements of Table 1. (Test methods are discussed in detail in Item III of this specification.)

TABLE 1	
PHYSICAL PROPERTIES OF THE CURED SYSTEM	
Property	Value
Compressive Strength, min. psi	5000
Tensile Strength, min. psi	2500
Tensile Elongation, percent	$25^{\pm}5$
Water Absorption, percent by wt. max.	0.5%
Shore D hardness, 25°C (77°F)	$70^{\pm}5$
Gel Time, minutes	48-52 (100gms)
Adhesion to Concrete	100% failure in concrete
Percent Solids	100

b) Physical requirements of Epoxy-Urethane Copolymer Overlay System. When Components A and B are mixed in the appropriate ratio, the cured resin shall conform to the requirements of Table 2. (Test methods are discussed in detail in Item III of this specification.)

TABLE 2	
PHYSICAL PROPERTIES OF THE CURED SYSTEM	
Property	Value
Compressive Strength, min. psi	6000
Tensile Strength, min. psi	2000
Tensile Elongation, percent	$30^{\pm}10$
Water Absorption, percent by wt. max.	0.5%
Shore D hardness, 25°C (77°F)	$70^{\pm}5$
Gel Time, minutes	25-31 (100gms)
Abrasion Resistance, mg., max.	85
Adhesion to Concrete	100% failure in concrete
Flexural Yield Strength, min. psi	5000
Percent Solids	100

c) Visco-Elastic Properties of Epoxy-Urethane Copolymer system. The modulus of the cured epoxy-urethane system determined by variable temperature Dynamic Mechanical Analysis (DMA) using DMA instruments and according to ASTM D4065-95, shall conform to the following minimum values as given in Table 3.

TABLE 3		
VISCO-ELASTIC PROPERTIES OF THE CURED SYSTEM		
Temperature	Storage Modulus Dynes/Sq.Cm.	Loss Modulus Dynes/Sq.Cm.
-10°C	1×10^9	7×10^7
20°C	6×10^8	7×10^7
50°C	4×10^7	2×10^7
60°C	1×10^7	5×10^6
70°C	6×10^6	1×10^6

d) The tests shall be conducted at a frequency of 1 Hz with a 0.3% strain in accordance with the guidelines described in the testing equipment manual.

e) e. Load Bearing Capabilities. The cured epoxy-urethane system must exhibit the following load bearing capacity. At approximately 20% strain, the polymer shall retain at least 85% of its original load bearing strength (tensile stress) as per ASTM D-638.

5. Material Provider

The bridge deck restoration system shall be provided by the following Manufacturer or an approved equivalent.:

POLY-CARB, INC.,
Pretreatment: MARK-135
Overlay: MARK-163 FLEXOGRID
33095 Bainbridge Road Solon, Ohio 44139
(440) 248-1223

6. Aggregate

a) Aggregate used for all layers shall be non-friable, non- polishing, clean and free from surface moisture. It shall be durable and sound and have a proven record of performance in applications of this type. The aggregate shall be 100 percent fractured, thoroughly washed and kiln dried to a maximum moisture content of 0.2 percent by weight, measured in accordance with ASTM C566. The fracture requirements shall be at least one mechanically fractured face and will apply to materials retained on U.S. No. 10 sieve. The recommended sources of aggregate are Washington Stone or Oklahoma Flint.

b) Aggregate for all layers shall have a minimum Mohs scale hardness of 6.5.

c) The grading of the aggregate shall conform to the requirements of Table 4.

TABLE 4	
AGGREGATE GRADATION	
Sieve Size	Percent Passing
No. 6	60 - 100
No. 10	0 - 40
No. 20	0 - 10

d) Thermoplastic. Conform to Section 837.

III. METHOD OF TESTING

A. Tests shall be conducted in accordance with the following methods:

1. **Compressive Strength:** ASTM C109, Compressive Strength of Hydraulic Cement Mortars. The two components of the resin are to be thoroughly mixed in their appropriate ratios. Two volumes of graded silica sand in accordance with ASTM C778 shall be added to one volume of mixed resin. The samples shall then be prepared according to the requirements of ASTM C109 and allowed to cure for 7 days at 23 ± 2°C.
2. **Tensile Strength and Elongation:** ASTM D638, Tensile Properties of Plastics, Specimen Type I or Type II. Samples shall be cured at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity. Speed of testing shall be at 0.5 in./min.
3. **Water Absorption:** ASTM D570, Water Absorption of Plastics. Sample specimens shall be prepared according to Section 4.1 and allowed to cure at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity. Tests are then to be carried out as per Section 6.1.
4. **Shore D Hardness:** ASTM D2240, Rubber Property – Durometer Hardness. Specimen shall be prepared as per ASTM D570 Section 4.1 and allowed to cure at 23 ± 2°C (73.4 ± 3.6°F).
5. **Gel Time:** The following procedure shall be used to determine gel time. Measure 4 oz. of Part A and 2 oz. of Part B each at 25°C (77°F), into an unwaxed paper cup and record the time and mix immediately. 100 gms of this mixture shall be poured into a 6 oz. unwaxed paper cup and placed on a wooden bench top. Starting twenty minutes from the time recorded above, the mixture shall be probed every two minutes with a small stick until a small ball forms in the center of the container. The total time, including mixing, required for the ball to form shall be regarded as the gel time. The test shall be performed in a room or enclosed area maintained at 25 ± 2°C (77 ± 3.6°F) and 50 ± 5% relative humidity.

6. **Abrasion Resistance:** ASTM C501, Test Method for Relative Resistance to Wear of Unglazed Ceramic Tile by the Taber Abrader. Tests shall be done using a CS-17 wheel and a 1,000-gram load for 1,000 cycles.
7. **Adhesion to Concrete:** ACI-503-R; Pull Out Test.
8. **Flexural Yield Strength:** ASTM D-790.
9. **DMA:** ASTM D-4065-95

IV. CONSTRUCTION PRACTICE

A. Surface Preparation

1. Perform partial depth patching in accordance with the requirements of Section 606.03.06. All patching materials shall be in accordance with the requirements of Section 601 and be free of Magnesium Phosphate.
2. Patching shall be scheduled so that the bridge can be open to traffic during all non-working hours.
3. Polymer patching system such as POLY-CARB, Inc.'s MARK-120 is recommended for shallow and partial depth repair. Completion of Partial Depth Patching including removal of concrete, cleaning, and placing the material will not be measured for payment and shall be considered incidental to "Epoxy-Urethane Waterproofing Overlay". The pay item includes additional quantity for partial depth patching.
4. The entire concrete deck shall be cleaned by shotblasting to remove any oil, dirt, rubber or any other potentially detrimental material such as curing compound and laitances which, in the Manufacturer and Engineer's opinion, would prevent proper bonding to and curing of the material.
5. In areas that the shotblasting equipment cannot reach (i.e., along curbs and median walls) or cannot remove (linemarking, asphalt, etc.), sandblasting and walk behind grinders are permitted to an extent satisfactory to the Manufacturer and Engineer. This should be performed prior to the shotblasting whenever applicable and practical.
6. Steel surfaces such as expansion joints, sidewalks, steel grids and steel plate to be treated with the restoration system, shall be shot or sand blasted clean to SSPC-SP-6 standards.
7. The overlay application equipment is allowed to drive on the deck surface during application provided precautions have been taken to ensure that the deck surface will not become contaminated. For any reason traffic is to be allowed on the deck after surface preparation, or between layers, a visual inspection by the Manufacturer and state Engineer will be required to determine if additional surface preparation is needed before applying material.

8. All surfaces to be treated shall be dry at the time of application. Immediately before the application of any liquids, all prepared surfaces shall be cleaned with compressed air (or vacuumed) to remove dust and debris.
9. The application of the system shall not be made when it has rained 24 hours before application or rain is forecast (greater than 50%) within eight hours after application or as determined by the Manufacturer (fog and high humidity will not impede the application of or affect the performance of the overlay). If waiting for 24 hours is impractical, then the moisture content in concrete substrate shall not exceed 4.5% when measured by an electronic moisture meter. Any exception shall be determined by the moisture content present in the deck which shall not exceed 75% of air entrainment in the mix design.
10. The minimum recommended temperature in which the system shall be applied is 50°F and rising. All applications at temperatures below 50°F shall require prior written approval from the Manufacturer.

B. Application of Overlay System

1. The Manufacturer of the epoxy-urethane overlay material shall have a representative on the jobsite at all times who, upon consultation with the Engineer, may suspend any item of work that is suspect and does not meet the requirements of this specification. Resumption of work will occur only after the Manufacturer's representative and the Engineer are satisfied that appropriate remedial action has been taken by the Contractor.
2. The overlay shall be applied on all deck areas using metering, mixing and distribution machinery owned and operated by the Manufacturer of the epoxy-urethane overlay system. The application machine shall feature positive displacement volumetric metering pumps controlled by a hydraulic power unit. Components A and B shall be stored in temperature controlled reservoirs capable of maintaining 100°F ± 10°F to insure optimum mixing. Ratio check verification at the pump outlets as well as cycle counting capabilities to monitor output will be standard features. In line mixing shall be motionless so as to not overly shear the material or entrap air in the mix. The machine shall also make maximum use of the working time of the material to insure proper "wetting" of the system by mixing it immediately prior to dispensing onto the deck.

3. The number of layers (a minimum of three) and the application rates of the liquid in the various layers shall be as recommended by the Manufacturer in order to achieve an average overlay thickness of 3/8".
4. Hand mixing of material is not permitted.
5. **Application of Pre-treatment** - Crack Filling (First Layer) Application of the Liquid: After mechanically measuring and mixing of the components, the liquid shall be evenly distributed on the clean, dry deck surface at the rate/process recommended by the Manufacturer. The overlay application equipment may drive on this layer (prior to being cured) when applying the overlay system. If the overlay application is going to be applied after 6-8 hours of the pretreatment application, a medium size coarse silica sand shall be broadcasted evenly into the pre- treatment system (prior to it curing) as directed by the Manufacturer.
6. **Overlay** (Second and Third Layers)
   Application of Liquid: Prior to the application, if there exists any excess or loose aggregate from the previous coat, such excess aggregate shall be completely removed by vacuum or with compressed air. After mixing of the components via the mechanical application equipment, the liquid shall be evenly distributed on the clean, dry deck surface at the rate recommended by the Manufacturer.
7. After the application of the liquid in the second and third coats, the maximum time allowed before broadcasting of the aggregate is as follows:

Above 90°F	. . . . .	10 minutes
80°F to 90°F	. . . . .	15 minutes
70°F to 80°F	. . . . .	20 minutes
60°F to 70°F	. . . . .	25 minutes
50°F to 60°F	. . . . .	35 minutes

8. No vehicle shall be allowed on the overlay during the curing period.
9. Broadcasting on decks shall be by truck-mounted equipment capable of dispensing the aggregate onto the deck in a uniform manner as directed or otherwise approved by the Manufacturer of the epoxy-urethane overlay.

10. The aggregate shall be broadcast as described below such that to cover the surface so that no wet spots appear and before the co-polymer begins to gel (see section 3.1.5). The aggregate must be dropped vertically in such a manner that the level of the liquid is not disturbed.
    a) In the second and third layers of FLEXOGRID (or approved equivalent) liquid aggregate conforming to table 4 shall be broadcast to saturation.
11. Removal of Excess Aggregate: After the overlay has hardened, removal of all loose and excess aggregate with a power vacuum or other method shall be made prior to the application of subsequent coat.
12. Joints in the Overlay: (i.e., between two adjacent lanes) shall be staggered and overlapped between successive coats so that no ridges will appear.
13. Traffic may be allowed on the final layer (or in between layers) after the resin has cured (as determined by the Manufacturer) and after removal of all excess, loose aggregate.

V. STORAGE AND HANDLING

A. **Liquid Material:** All material shall be transported and stored in their original containers inside a dry, temperature controlled facility and maintained at a minimum temperature of 60°F and not to exceed 120°F.

B. **Job Site Storage:** The materials shall be stored on the jobsite in a dry, weather protected facility away from moisture and within the temperature range of 60°F to 90°F. When the materials are transported or stored on the job in the application machine tanks, the material must also be maintained at a temperature of 60°F to 90°F. Outdoor storage is permitted with Manufacturer's approval.

C. **Handling of Liquid Materials on the Job:** Protective gloves, clothing, and goggles shall be provided to workers and inspectors directly exposed to the material if required. Product safety data sheets shall be provided to all workers and inspectors as obtained from the Manufacturer.

D. **Packing Requirement:** All materials must be packaged in strong, substantial containers. The containers shall be identified as Part A and Part B and shall be plainly marked with the name and address of the Manufacturer, name of the product, mixing proportions and instructions, lot and batch numbers, date of manufacture, and quantity contained therein.

E. **Aggregate:** All aggregate shall be stored in a dry, moisture-free atmosphere. The aggregate shall be fully protected from any contaminants on the jobsite and shall be stored so as not to be exposed to rain or other moisture sources.

VI. SAMPLING AND ACCEPTANCES

A. **Product Acceptance:** The Manufacturer of the system shall provide evidence of field performance, lab performance with infrared spectra in order to obtain state approval of the overlay system for use on the project:

1. **Independent Lab Performance.** A nationally recognized independent lab must verify that the material:
    a) Has the capability of preventing the ingress of essentially all the chloride ions into the concrete at 1" depth when tested according to NCHRP-244 method.
    b) Has the capability to de-activate the existing chloride ions present in the concrete specimen so that the corrosion of steel rebar embedded in the concrete stop corroding.
    c) When tested as per Tables 1, 2 and 3, fully comply with the test results specified for cured system.
2. **Infrared Spectrograph:** In addition to the initial certification process each Manufacturer shall furnish the state an infrared spectrum of each component of system for its permanent record and for individual installation verification.
3. **Field Performance:** The selected material must have verifiable satisfactory performance of at least five (5) years in the state of Kentucky and a minimum of twelve (12) years in three neighboring states with comparable weather conditions.

B. Certification for Compliance: At the pre-construction conference, the Contractor shall notify the state project Engineer of the source of material.

1. **Independent Test Lab Report:** Test results certified and verified by a nationally recognized independent testing laboratory verifying properties of the cured system as per Table 1, 2 & 3 shall be submitted to the Engineer for approval prior to the bid opening. This certification shall be provided on each lot number to be used on the project.
2. **Infrared Spectra:** Infrared spectra of each component from each lot number (to be used on the project) shall be submitted with the independent lab certification.
3. **Test Sample for DOT Laboratory:** The Manufacturer shall furnish at least a one-quart sample of each component from each lot to the DOT laboratory to verify material supplied by the Manufacturer. Material shall be taken at job site.

C. Performance Acceptance

1. **Thickness Verification:** The state shall be notified of the number of gallons used on the project with two notarized statements - one from the Contractor and one from the Manufacturer. In addition, the Contractor shall verify to the State that the overlay is an average of at least 3/8" thick at three random locations agreed upon by the state Engineer and material Manufacturer representative. If 3/8" average is not achieved, a retest shall be performed in adjoining areas. Thin areas shall be re-coated as described above by the Contractor and re-verified at no additional cost to the State. This verification may consist of cores, holes, etc., but in all cases, any destructively tested areas shall be repaired by the Contractor before final acceptance by the Engineer.
2. **Performance Guarantee:** The epoxy-urethane co-polymer Manufacturer and the Contractor, by acceptance of the work described in this specification, jointly agree to guarantee the wearing surface against all defects incurred during normal traffic use for a period of five (5) years. The guarantee period shall commence on the date of acceptance of the work, usually the date the final layer of the overlay has been applied and cured. The guarantee covers all labor and materials required to satisfactorily repair or replace the wearing surface. Manufacturer will be responsible for integrity of warranty and will be removed from QPL if warranty repair not upheld within timely manner.

VII. MEASUREMENT

A. Epoxy-Urethane Waterproofing Overlay. The Department will measure the square feet of overlay application.

B. Shotblasting: The Department will measure "Blast Cleaning" in Square Yard. The Department will only measure this quantity once for any area to be shotblast. Additional blast cleaning to meet the requirements of this note shall be performed at the Contractor's expense.

C. Partial Depth Patching. The Department will measure the concrete necessary for partial depth patches in cubic yards**.**

D. Thermoplastic Pavement Markings. See Section 714.

VIII. PAYMENT

A. Epoxy-Urethane Waterproofing Overlay. The Department will pay for the measured quantities at the Contract unit bid price for "Epoxy-Urethane Waterproofing". -Urethane Waterproofing Overlay. The Department will measure the square feet of overlay application.

B. **Shotblasting.** The payment at the contract unit price for the pay item "Blast Cleaning" shall include all labor, equipment and material needed to complete the task as described in paragraphs 4.1.4 and 4.1.5.

C. **Partial Depth Patching.** The payment at the contract unit price, if necessary, shall include all labor, equipment and material needed to complete this task. The Department will not measure material removal, forming, blast cleaning, or retying steel reinforcement in the patches and will consider this work incidental to the pay item "Partial Depth Patching."

D. **Thermoplastic Pavement Markings.** See Section 714.

SPECIAL NOTE FOR BEARING REPLACEMENT

1. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings (current editions), this note, and the attached sketch for Bearing Replacement Details. Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment. (2) Replace Bearing. (3) Maintain and control traffic. (4) Any other work specified as part of this contract.

2. MATERIALS.

A. Structural Steel

ASTM Material, A709 Grade 50 Structural Steel Plates and Shapes. Minimum structural steel strength ~ 50,000 psi.

B. Elastomeric Bearings Pads

See Standard Drawing BBP-001 (Current Edition).

C. Expansion Anchors

Expansion anchors shall be ¾" diameter HILTI KWIK Bolt 3 or equal with 6" minimum embedment into concrete or as recommended by manufacturer.

D. Cleaning and Painting

See Special Note for Paint Application and Surface Preparation.

3. CONSTRUCTION.

A. Bearing Replacement. Complete bearing replacement as specified in this special note and in the attached detail. Each bearing shall be replaced one at a time with no traffic on the lane above.

B. Remove Existing Bearing. Remove existing bearings and dispose of all removed material entirely away from the job site. This work shall be incidental to the contract unit price for "Bearing Replacement".

C. Expansion Anchors. See attached detail.

D. Bearing Pads. Set bearing pads in accordance with Section 607.03.17 of the Standard Specification.

E. Jack and Support. Jack and Support the beams under full dead and live loads while replacing the bearings. Reaction loads shall be calculated for Dead Load and Live Load per beam line. A jack capacity of calculated minimum or greater per beam line shall be required. Jacks shall be locked during bearing replacement. The Contractor shall submit his jack and support plan to the Engineer for approval. This plan must be prepared, signed and stamped by a licensed Kentucky professional engineer.

F. Cleaning and Painting.

Existing Steel. All existing faying surfaces where new steel is to be installed shall be cleaned and receive the prime coat as specified in Special Note for Surface Preparation and Paint Application. Level of cleaning shall be to an SSPC-SP 15 (Commercial Grade Power Tool Cleaning). All Power tools shall be equipped with vacuum shrouds and fitted with HEPA filters at their air exhausts. Maintain and operate all vacuum shrouded power tools to collect generated debris.

New Structural Steel. All new structural steel shall receive shop surface preparation and shop applied prime coating as specified in Special Note for Surface Preparation and Paint Application. Necessary touch up/repair of the shop applied prime coat on the new steel may be performed in the field. Intermediate and Finish coatings specified shall be field applied.

All items necessary to complete cleaning and painting as specified in this note shall be considered incidental to the unit price bid Each for Bearing Replacement.

G. **Residual Lead**. Residual lead paint may still be on bridge. The Contractor is advised to take all necessary protective measures including worker safety and environmental regulations when performing surface preparation. The Department will not consider any claims based on residual lead paint.

H. **Verifying Field Conditions**. The Contractor shall field verify all plate and shape dimensions, bolt patterns and locations before ordering any material. New material that is unsuitable due to variation in existing structure shall be replaced at the Contractors expense.

I. **Damage to the structure**. The Contractor shall bear all responsibility and expense for any and all damage to the structure during the repair work, even to the removal and replacement of a fallen span, should the fallen span result from the Contractors actions.

J. **Field Welding**. Section 106.10 applies to all field welding. Field welds not permitted except as shown on the detail drawings or as directed by the Engineer.

4. MEASUREMENT.

A. Bearing Replacement. The Department will measure the quantity as Each, completed and accepted.

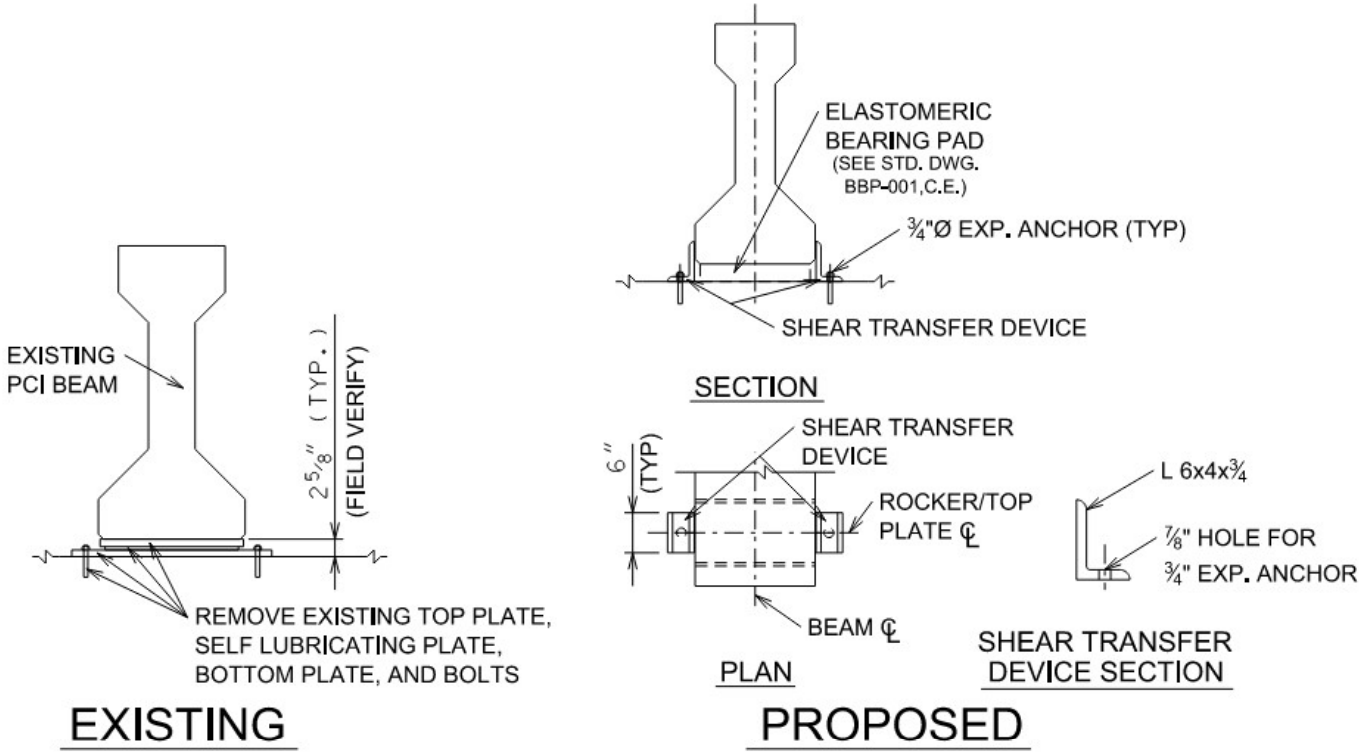
B. Jack and Support Bridge Span. The Department will measure the quantity by Lump Sum, completed and accepted.

5. PAYMENT.

A. Bearing Replacement (21969NN). Payment at the contract unit price for Each is full compensation for furnishing and installing all material as specified.

B. Jack and Support Bridge Span (08435). Payment at the contract Lump Sum includes all items necessary to jack and support bridge span as specified.

BEARING REPLACEMENT DETAILS



Bridge No.	Beam Type	Bearing Pad Dimensions (Existing/Proposed) *(Field verify dimensions)
038B00055R	Type IV	2'-1 ½" x 9" x 2 ⅝"
038B00055L	Type IV	2'-1 ½" x 9" x 2 ⅝"
042B00170R	Type II	1'-3 ½" x 9" x 2 ⅝"
042B00170L	Type II	1'-3 ½" x 9" x 2 ⅝"
042B00173R	Type II	1'-3 ½" x 9" x 2 ⅝"
042B00173L	Type II	1'-3 ½" x 9" x 2 ⅝"
042B00176R	Type III	1'-9 ½" x 9" x 2 ⅝"
042B00176L	Type III	1'-9 ½" x 9" x 2 ⅝"
042B00177R	Type III	1'-9 ½" x 9" x 2 ⅝"
042B00177L	Type III	1'-9 ½" x 9" x 2 ⅝"

SPECIAL NOTE FOR BRIDGE BARRIER RETROFIT

I. DESCRIPTION.

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.
This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove existing aluminum handrail and deliver to the Baily Bridge Lot in Frankfort, KY; (3) Remove any existing spalled/delaminated concrete from portion of the barrier to remain in place; (4) Repair and replace damaged and corroded reinforcing bars; (5) Drill and epoxy grout reinforcement into the existing barrier; (6) Prepare surface for concrete placement by blast cleaning; (7) Pour new concrete barrier using Class "M" Concrete according to the Standard Specifications; (8) Apply concrete sealer to areas of new concrete as shown on the attached detail drawings; and (9) Any other work specified as part of this contract according to the attached detail drawings.

II. MATERIALS.

A. Class "M" Concrete. Use either "M1" or "M2". See Section 601.

B. Steel Reinforcement. Use Grade 60. See Section 602.

C. Concrete Sealing. Contrary to Section 601.03.18 B apply an approved concrete sealer in place of masonry coating.

III. CONSTRUCTION.

A. **Concrete Removal and Preparation.** The Contractor, as directed by the Engineer, shall locate and remove all loose, spalled, deteriorated and delaminated concrete. Sounding shall be used to locate delaminated areas. Care shall be exercised not to damage areas of sound concrete or reinforcing steel during concrete removal operations. Concrete removal shall be in accordance with a sequence approved by the Engineer.

Concrete removal shall be accomplished by chipping with hand picks, chisels or light duty pneumatic or electric chipping hammers (not to exceed 15 lbs.). If sound concrete is encountered before existing reinforcing steel is exposed, the surface shall be prepared and repaired without further removal of the concrete. When corroded reinforcing steel is exposed, concrete removal shall continue until there is a minimum ¾ inch clearance around the exposed, corroded reinforcing bar. Care shall be taken to not damage bond to adjacent non-exposed reinforcing steel during concrete removal processes.

The perimeter of all areas where concrete is removed shall be tapered at an approximately 45° angle, except that the outer edges of all chipped areas shall be saw cut to minimum depth of ¾ inch to prevent featheredging unless otherwise approved by the Engineer.

After all deteriorated concrete has been removed, the repair surface to receive concrete patching shall be prepared by abrasive blast cleaning. Abrasive blast cleaning shall remove all fractured surface concrete and all traces of any unsound material or contaminants such as oil, grease, dirt, slurry, or any materials which could interfere with the bond of freshly placed concrete.

The Contractor shall dispose of all removed material off State Right of Way in an approved site. The Department will not measure concrete removal, Concrete Class “M”, and steel reinforcement and will consider all work necessary as incidental to the bid item “BRIDGE BARRIER RETROFIT”.

B. **Prepare existing surface.** Prepare the existing surface by blast cleaning in accordance with 606.03.04.

C. **Construct new barrier wall**. Drill and epoxy grout reinforcement into existing concrete according to Section 511. Form and pour new barrier wall in accordance with the detailed drawings.

D. **Apply finish.** Apply concrete sealing to new concrete surfaces according to attached detail drawings and Sections 601.03.18 B.

IV. MEASUREMENT. See Section 606 and the following:

A. Bridge Barrier Retrofit. The Department will measure the quantity in linear feet from bridge end to bridge end. The wing lengths will be included in the measurement.

V. PAYMENT.

A. Bridge Barrier Retrofit. The Department will make payment at the contract unit price per linear foot under the bid item #23032EN "BRIDGE BARRIER RETROFIT" for full compensation for removal and delivery of aluminum railing, repair of spalled concrete, preparation of concrete surfaces, furnishing and installing the concrete and reinforcement, and all incidental items necessary to complete the work within the specified pay limits as specified by this note and as shown on the attached detail drawings.

The Department will consider payment as full compensation for all work required by these notes and the attached detail drawings.

SPECIAL NOTE FOR BRIDGE CLEANING AND PREVENTIVE MAINTENANCE: BEARING CLEANING AND LUBRICATION

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's Current Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, and this Note. Section references are to the Standard Specifications.

This work consists of the following:

- Furnish all labor, materials, tools, and equipment
- Provide safe access to the bridge in accordance with Section 107.01.01
- Remove stratified and pack rust from bearings
- Pressure wash bearings
- Coat all surfaces of bearings with lubricant
- Maintain and control traffic
- Any other work specified as part of this Contract

II. MATERIALS

A. Bearing Lubricant. Conform to Manufacturer's Technical Guidance. One of the following lubricants shall be used:

"Never Seez – Mariner's Choice" produced by Bostick, Inc.
"Mobile Centaur Moly NLGI Grades 1 or 2" produced by Mobil Oil
"Premalub #1 WG" produced by Certified Labs

III. CONSTRUCTION

A. Removal of Stratified and Pack Rust. Stratified and pack rust shall be removed from all bearing devices. See attached detailed drawings for each bridge showing location and quantity of the bearing devices. Hand tools including wire brushes, scrapers or impact devices (hand hammers or power chisels) are to be used for removing stratified and pack rust. All surfaces to have stratified and pack rust removed shall be cleaned to an SSPC SP-2 level. All debris collected shall be disposed of in a suitable off-site disposal facility.

B. **Pressure Washing.** Specified bridge components shall be pressure washed. All equipment for pressure washing shall be operated at a minimum pressure of up 4,000 psi with 0-degree spinner tips and/or fan tips as determined by the Engineer at the working location with a minimum flow rate of 3.5 gal/minute provided that these pressures do not damage any components of the structure. Pressure and flow rates shall be reduced to a level satisfactory to the Engineer should any damage occur due to power washing procedures. Pressure washing shall be operated at distance of approximately six inches from and perpendicular to the surface. All pressure washing wands shall be equipped with a gauge to accurately determine the amount pressure used. Pressure washing of any bridge element will proceed from top of wash area to bottom of wash area. Wash water will not be released to a bridge element previously washed.

C. **Residual Lead Paint.** Residual lead paint may still be on bridge. The Contractor is advised to take all necessary protective measures including worker safety and environmental regulations when performing surface preparation. The Department will not consider any claims based on residual lead paint.

D. **Bearing Lubrication.** Bearing devices shall be lubricated after all stratified rust and pack rust is removed and power washing is complete, bearing devices shall have lubricant applied to all surfaces of the bearing including bearing plates and points of movement. Allow bearing devices to dry before lubricant is applied. Lubricant must be applied to a clean and dry surface.

IV. MEASUREMENT

A. **Bridge Cleaning and Preventive Maintenance.** The Department will measure the quantity as Lump Sum.

V. PAYMENT

A. **Bridge Cleaning and Preventive Maintenance.** Payment at the Contract lump sum price includes all labor, all materials and all incidental items necessary to complete bearing lubrication work in accordance with this Note, the Plans and the Standard Specifications.

The Department will consider payment as full compensation for all work required by this Note.

SPECIAL NOTE FOR BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS

1. **DESCRIPTION**. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

   This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Machine preparation of existing slab; (3) Complete full-depth and partial depth repairs as directed by the Engineer; (4) Place new concrete overlay in accordance with Section 606; and (5) any other work specified as part of this contract.

   All Construction will be in accordance with Section 606 unless otherwise specified.

2. **MATERIALS**.
   2.1. **LATEX Concrete**. See Section 606.03.17.
   2.2. **Class "M" Concrete**. Use either "M1" or "M2". See Section 601.

3. **EQUIPMENT.** See Section 606.02.10 and the following:
   3.1. **Hammers**. See Section 606.02.10(B).
   3.2. **Sawing Equipment**. See Section 606.02.10(C).
   3.3. **Hydraulic Impact Equipment**. See Section 606.02.10(D).

4. **CONSTRUCTION.**
   4.1. Surface Preparation. Remove concrete (and all patches) from existing slab to a depth of at least ¼" below the existing overlay in accordance with the requirements of Section 606.03.03. Clean surface in accordance with Section 606.03.04.
   4.2. Full Depth Slab Repair. After the existing slab has been machine prepared in accordance to Section 606.03.03, perform full depth patching in accordance with Section 606.03.05. The Client will not measure material removal, forming, blast cleaning, or retying steel reinforcement in the patches and will consider this work incidental to the pay item "Concrete Class M Full Depth Patch".
   4.3. Partial Depth Slab Repair. Perform partial depth patching in accordance with Section 606.03.06. The pay item "Partial Depth Patching" measured in cubic yards of material placed and accepted will include removal of existing material by any means including Hydrodemolition, forming, blast cleaning, retying steel reinforcement in the patches, and disposal of waste off of construction site.
   4.4. Surface Texturing. Texture the concrete surface of the overlay in accordance with Section 606.03.09.

5. **MEASUREMENT.** See Section 606.04 and the following:
   5.1. Concrete Overlay-Latex. The Client will measure the quantity in cubic yards using the theoretical volume required for the overlay shown in the Plans.

5.2. Partial Depth Patching. The Client will measure the quantity in cubic yards by deducting the theoretical volume of the bridge deck overly (LMC) from the total volume (as indicated by the batch quantity tickets) of concrete required to obtain the finished grade shown on the Plans or established by the Engineer.

5.3. Concrete Class "M" for Full Depth Patching. See Section 606.

6. PAYMENT.

6.1. Concrete Overlay-Latex. See Section 606.05.

6.2. Partial Depth Patching. The Client will pay for accepted quantities of partial depth patching at the contract unit price in cubic yards for bid item "Partial Depth Patching".

6.3. Concrete Class "M" for Full Depth Patching. See Section 606.05.

SPECIAL NOTE FOR REPLACING EXPANSION DAMS AND/OR INSTALLING ARMORED EDGES FOR CONCRETE ON BRIDGES

1. **DESCRIPTION**. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

   This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove existing concrete and expansion device(s) and/or bridge ends; (3) Install armored edges and new concrete as specified and in accordance with the attached detail drawings; (4) Install new joint seals (where required); (5) Maintain and control traffic; and (6) Any other work specified as part of this contract.

2. **MATERIALS**.
   - 2.1. **Class "M" Concrete**. Use either "M1" or "M2". See Section 601.
   - 2.2. **Structural Steel**. Use new, commercial grade steel suitable for welding. The Engineer will base acceptance on visual inspection. See Standard Drawing BJE-001, current edition.
   - 2.3. **Stud Anchors**. The armored edge stud anchors are ¾" x 6" embedded stud shear connectors conforming to ASTM A108, Grade 1015 (Nelson Studs or equal).
   - 2.4. **Steel Reinforcement**. Use Grade 60. See Section 602.
   - 2.5. **Epoxy Bond Coat**. See Section 511.
   - 2.6. **Neoprene Joint Sealers (Compression Seals)**. See Section 807.
   - 2.7. **Silicone Rubber Sealant**. See Section 807.
   - 2.8. **Neoprene Strip Seals**. See attached detail drawings and Section 807.

3. **EQUIPMENT**.
   - 3.1. **Hammers**. See Section 606.02.10(B).
   - 3.2. **Sawing Equipment**. See Section 606.02.10(C).
   - 3.3. **Hydraulic Impact Equipment**. See Section 606.02.10(D).

4. **CONSTRUCTION**.
   - 4.1. **Remove Existing Materials**. Remove existing expansion dam, bridge end, armored edges and specified areas of concrete as shown on the attached sketches. Remove debris and/or expansion joint filler as directed by the Engineer. Clean and leave all existing steel reinforcement encountered in place. Damaged steel reinforcement will be repaired/replaced as directed by the Engineer at no additional cost. Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Expansion Joint Replacement" or "Armored Edge for Concrete".

   - 4.2. **Place New Concrete and Armored Edges**. After all specified existing materials have been removed, place new armored edges to match the grade of the proposed overlay or to match the original grade (See attached detail drawings.) Place the new Class "M" concrete to the scarified grade and finish to receive the new overlay or place the new Class "M" concrete to the

original grade and finish with broom strokes drawn transversely from curb to curb. No accelerants are to be added to Class "M" concrete as specified in Section 601 of the Standard Specifications.

All new structural steel shall be cleaned and painted with two coats of commercial primer paint red orange in color, except those surfaces to come in contact with concrete are not to be painted.

Blast clean all areas of existing concrete and structural steel to come in contact with new concrete until free of all laitance and deleterious substances immediately prior to the placement of the Class "M" concrete. The surface areas of existing concrete to come in contact with the new Class "M" concrete are to be coated with an epoxy bond coat immediately prior to placing new concrete in accordance with Section 511. The interfaces of the new and old concrete shall be as nearly vertical and horizontal as possible.

4.3. **Additional Steel Reinforcement**. Furnish for replacement, as directed by the Engineer (see attached detail drawings for reinforcement details). Place these bars in areas deemed by the Engineer to require additional reinforcement. Field cutting and bending is permitted. Do not place any additional steel reinforcement above the height of the top row of Nelson Studs on the armored edges. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04 prior to pouring the new Class "M" concrete. Reinforcement is incidental to the contract unit price for "Expansion Joint Replacement" or "Armored Edge for Concrete".

4.4. **Staged Construction**. Installation of concrete and armored edges in two (or more if specified) stages is necessary. Join the armored edges at or near the centerline of the roadway or lane line, field weld and grind smooth.

4.5. **Preformed Neoprene Joint Seal (If applicable)**. Place the preformed joint seal in one continuous, unbroken length. Place neoprene compression seals as recommended by the manufacturer and in accordance with Section 609.03.04(D). Place neoprene strip seals as recommended by the manufacturer and in accordance with Section 609.03.04(E), except that shop drawings will not be required.

4.6. **Silicone Rubber Sealant (if applicable)**. Place the silicone sealant as recommended by the manufacturer and in accordance with Section 609.03.04(C).

4.7. **Shop Plans**. Shop plans will not be required. The contractor is responsible for obtaining field measurements and supplying properly sized materials to complete the work.

5. **MEASUREMENT**.

5.1. **Expansion Joint Replacement ¾", 1", 1 ½", 2", 2 ½", 4"**. The Client will measure the quantity in linear feet from gutterline to gutterline along the centerline of the joint.

5.2. **Armored Edge for Concrete**. The Client will measure the quantity in linear feet from gutterline to gutterline along the face of the bridge end.

5.3. **Steel Reinforcement**. See Section 602.

6. **Payment**.

6.1. **Expansion Joint Replacement ¾", 1", 1 ½", 2", 2 ½", 4"**. Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new armored edges, concrete, neoprene joint seal, and all incidental items necessary to complete the work (except the overlay material, if applicable) within the specified pay limits as specified by this note and as shown on the attached detail drawings.

6.2. **Armored Edge for Concrete (if applicable)**. Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new armored edges, concrete and all incidental items necessary to complete the work (except the overlay material, if applicable) within the specified pay limits as specified by this note and as shown on the attached detail drawings.

6.3. **Steel Reinforcement**. Reinforcement is incidental to the contract unit price for "Expansion Joint Replacement" or "Armored Edge for Concrete".

The Client will consider payment as full compensation for all work required by this note and the attached detail drawings.

SPECIAL NOTES FOR BRIDGE PIER, GIRDER, AND RCBC CONCRETE PATCHING

1. **DESCRIPTION**. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2019 Standard Specifications for Road and Bridge Construction, any applicable Supplemental Specifications, and these Notes. Section references are to the Standard Specifications. This work consists of: (1) Furnish all labor, materials, tools, and equipment; (2) Remove existing spalled/delaminated concrete; (3) Prepare the existing surface for concrete patching; (4) Place hook fasteners and welded wire fabric over surfaces to be repaired (where applicable); (5) Apply concrete patching as specified by this note; (6) Finish and cure the new Concrete Patches; (7) Maintain & control traffic; and, (8) Any other work specified as part of this contract.

2. **MATERIALS**.

   2.1. **Concrete**. Approved Concrete Product for Vertical and Overhead Repair Patch.
   2.2. **Steel Reinforcement**. Use Grade 60. See Section 602.
   2.3. **Welded Steel Wire Fabric (WWF)**. Conform to Section 811.
   2.4. **Hook Fasteners**. Use commercial grade galvanized hook fasteners. Minimum 3/16" diameter.

3. CONSTRUCTION

3.1. **Concrete Removal and Preparation**. The Contractor, as directed by the Engineer, shall locate and remove all loose, spalled, deteriorated, and delaminated concrete. Sounding shall be used to locate delaminated areas. Care shall be exercised not to damage areas of sound concrete or reinforcing steel during concrete removal operations. Unless specifically directed by the Engineer, depth of removal shall not exceed 6 inches. Concrete removal shall be in accordance with a sequence approved by the Engineer.

Concrete Removal shall be accomplished by chipping with hand picks, chisels, or light duty pneumatic or electric chipping hammers (not to exceed 15 lbs.). If sound concrete is encountered before existing reinforcing steel is exposed, the surface shall be prepared and repaired without further removal of the concrete. When corroded reinforcing steel is exposed, concrete removal shall continue until there is a minimum of ¾ inch clearance around the exposed, corroded reinforcing bar. Care shall be taken to not damage bond to adjacent non-exposed reinforcing steel during concrete removal process.

The perimeter of all areas where concrete is removed shall be tapered at an approximately 45° angle, except that the outer edges of all chipped areas shall be saw cut to a minimum depth of ¾ inch to prevent featheredging unless otherwise approved by the Engineer.

After all deteriorated concrete has been removed, the repair surface to receive concrete patching shall be prepared by abrasive blast cleaning. Abrasive blast cleaning shall remove all fractured surface concrete and all traces of any unsound material or contaminants such as oil,

grease, dirt, slurry, or any materials which could interfere with the bond of freshly placed concrete. The Contractor shall dispose of all removed material off site.

3.2. **Steel Reinforcement**. All corroded reinforcing steel exposed during concrete removal shall have corrosion products removed by abrasive grit blasting or wire brush whichever is more appropriate. Furnish for replacement, as directed by the Engineer, 200 linear feet of steel reinforcing bars ½" diameter by 20-foot lengths. Place these bars in areas deemed by the Engineer to require additional reinforcement. Field cutting and bending is permitted. Providing & installing steel reinforcement is incidental to concrete patching pay item.

Reinforcing steel displaying deep pitting or loss of more than 20 percent of cross-sectional area shall be removed and replaced. Such bars shall be placed in accordance with the recommendations of ACI 506R, Sections 5.4 and 5.5. In particular, bars shall not be bundled in lapped slices, but shall be placed such that the minimum spacing around each bar is three times the maximum aggregate size to allow for proper encapsulation with concrete patching.

Intersecting reinforcing bars shall be tightly secured to each other using tie wire and adequately supported to minimize movement during concrete placement.

Welded wire fabric (WWF) shall be proved at each repair area larger than 1 square foot if the depth of the repair exceeds 3 inches from the original dimension of the repaired member. Sheets of adjoining WWF shall be lapped by at least one and one-half spaces at all intersections, in both directions, and be securely fastened. WWF shall be supported no closer than ½ inch to the prepared concrete surface and shall have a minimum concrete cover of 1- ½ inches.

WWF shall be fastened to preset anchors on a grid not more than 12 inches square. Large knots of tie wire which could result in sand pockets and voids during patching shall be avoided.

3.3. **Hook Fasteners**. Hook Fasteners shall be positioned at the spacing as stated above or as directed by the Engineer. Any given area shall have a minimum of four anchors. The WWF shall not move or deform excessively during concrete patching. Maximum hook fastener spacing shall not exceed 2 feet on a grid pattern over the entire repair area. Hook fasteners shall be of commercial grade galvanized steel with a minimum diameter of 3/16". They may be mechanically set or grouted, as approved by the Engineer.

3.4. **Concrete Patching**. Place and finish the new concrete for the patching area in accordance with the manufacturer's recommendations, as shown on the attached detail drawings, or as directed by the Engineer. The Engineer shall approve the Contractor's method of placing and consolidating the concrete prior to the beginning of this operation.

3.5. **Curing**. On completion of finishing operation, patching concrete shall immediately be prevented from drying out and cracking by fogging, wetting, and/or any appropriate method

approved by the Engineer. Curing shall continue for duration recommended by the product manufacturer.

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. Any claims resulting from site conditions will not be honored by the Department.

Quantities given are approximate. The quantity for "Concrete Patching Repair" shall be bid with the contingency that quantities may be increased, decreased, or eliminated by the Engineer. Dispose of all removed material entirely away from the job site as approved by the Engineer. This work is incidental to the contract unit price for "Concrete Patching Repair".

4. **MEASUREMENT**.
   4.1. **Concrete Patching Repair**. This item will be measured as the quantity per square feet of each area restored.

   4.2. **Steel Reinforcement**. Will not be measured for payment but shall be considered incidental to "Concrete Patching Repair".

   4.3. **Welded Wire Fabric & Hook Fasteners**. Welded Wire Fabric and Hook Fasteners will not be measured for payment but shall be considered incidental to "Concrete Patching Repair".

5. **PAYEMENT**.
   5.1. **Concrete Patching Repair**. Payment at the contract unit price per square feet is full compensation for work performed as described in this note.

   5.2. **Steel Reinforcement**. Reinforcement shall be considered incidental to "Concrete Patching Repair".

   5.3. **Welded Wire Fabric & Hook Fasteners**. Welded Wire Fabric and Hook Fasteners shall be considered incidental to "Concrete Patching Repair".

MATERIAL SUMMARY

CONTRACT ID: 221337 **NHPP 0011 (038)** **DE04290032237**

JULLIAN CARROLL PURCHASE PARKWAY (PW 9003) RECONSTRUCT THE WINGO (KY 339) INTERCHANGE ASPHALT PAVEMENT & ROADWAY REHAB, A DISTANCE OF .99 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00003	CRUSHED STONE BASE	28,448.00	TON
0010	00005	GEOGRID REINFORCEMENT FOR SUBGRADE	42,304.00	SQYD
0015	00100	ASPHALT SEAL AGGREGATE	126.00	TON
0020	00103	ASPHALT SEAL COAT	15.00	TON
0025	00212	CL2 ASPH BASE 1.00D PG64-22	2,581.00	TON
0030	00214	CL3 ASPH BASE 1.00D PG64-22	3,026.00	TON
0035	00216	CL3 ASPH BASE 1.00D PG76-22	3,152.00	TON
0040	00309	CL2 ASPH SURF 0.50D PG64-22	2,590.00	TON
0045	00332	CL3 ASPH SURF 0.50A PG76-22	3,309.00	TON
0050	02602	FABRIC-GEOTEXTILE CLASS 1	42,304.00	SQYD
0055	02676	MOBILIZATION FOR MILL & TEXT - - GRAVES 1-26.01	1.00	LS
0060	02677	ASPHALT PAVE MILLING & TEXTURING	3,167.00	TON
0065	20071EC	JOINT ADHESIVE	16,118.00	LF
0070	20362ES403	SHOULDER RUMBLE STRIPS-SAWED	29,944.00	LF
0075	20550ND	SAWCUT PAVEMENT	6,058.00	LF
0080	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	13.60	TON
0085	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM - - GRAVES 1-26.01	1.00	LS
0090	01310	REMOVE PIPE	40.00	LF
0095	01825	ISLAND CURB AND GUTTER	50.00	LF
0100	01903	REMOVE CONCRETE ROLL CURB	8,331.00	LF
0105	01958	CONC MEDIAN BARRIER TYPE 12C1 TL3	157.00	LF
0110	01959	CONC MEDIAN BARRIER TYPE 12C2 TL3	615.00	LF
0115	01970	CONC MEDIAN BARRIER TYPE 12C TL3	20.00	LF
0120	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	30.00	EACH
0125	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	6.00	EACH
0130	01985	DELINEATOR FOR BARRIER - YELLOW	20.00	EACH
0135	02014	BARRICADE-TYPE III	2.00	EACH
0140	02091	REMOVE PAVEMENT	8,806.00	SQYD
0145	02159	TEMP DITCH	6,778.00	LF
0150	02160	CLEAN TEMP DITCH	3,389.00	LF
0155	02165	REMOVE PAVED DITCH	1,740.00	SQYD
0160	02220	FLOWABLE FILL	13.70	CUYD
0165	02230	EMBANKMENT IN PLACE	103,473.00	CUYD
0170	02262	FENCE-WOVEN WIRE TYPE 1	5,346.00	LF
0175	02265	REMOVE FENCE	3,585.00	LF
0180	02351	GUARDRAIL-STEEL W BEAM-S FACE	3,689.00	LF
0185	02359	GUARDRAIL CONNECTOR TO CONC MED BARR	3.00	EACH
0190	02367	GUARDRAIL END TREATMENT TYPE 1	7.00	EACH
0195	02369	GUARDRAIL END TREATMENT TYPE 2A	8.00	EACH
0200	02381	REMOVE GUARDRAIL	8,269.00	LF
0205	02396	REMOVE GUARDRAIL END TREATMENT	3.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0210	02429	RIGHT-OF-WAY MONUMENT TYPE 1	20.00	EACH
0215	02432	WITNESS POST	20.00	EACH
0220	02483	CHANNEL LINING CLASS II	1,289.00	TON
0225	02484	CHANNEL LINING CLASS III	493.00	TON
0230	02545	CLEARING AND GRUBBING - 68.5 ACRES/ GRAVES 1-26.01	1.00	LS
0235	02555	CONCRETE-CLASS B	8.99	CUYD
0240	02562	TEMPORARY SIGNS	1,011.00	SQFT
0245	02585	EDGE KEY	42.00	LF
0250	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,905.00	SQYD
0255	02650	MAINTAIN & CONTROL TRAFFIC - - GRAVES 1-26.01	1.00	LS
0260	02653	LANE CLOSURE	3.00	EACH
0265	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH
0270	02701	TEMP SILT FENCE	6,778.00	LF
0275	02703	SILT TRAP TYPE A	68.00	EACH
0280	02704	SILT TRAP TYPE B	68.00	EACH
0285	02705	SILT TRAP TYPE C	68.00	EACH
0290	02706	CLEAN SILT TRAP TYPE A	68.00	EACH
0295	02707	CLEAN SILT TRAP TYPE B	68.00	EACH
0300	02708	CLEAN SILT TRAP TYPE C	68.00	EACH
0305	02720	SIDEWALK-4 IN CONCRETE	38.00	SQYD
0310	02726	STAKING - - GRAVES 1-26.01	1.00	LS
0315	02775	ARROW PANEL	2.00	EACH
0320	03171	CONCRETE BARRIER WALL TYPE 9T	15,000.00	LF
0325	04940	REMOVE LIGHTING - -- GRAVES 1-26.01	1.00	LS
0330	05950	EROSION CONTROL BLANKET	7,810.00	SQYD
0335	05952	TEMP MULCH	221,905.00	SQYD
0340	05953	TEMP SEEDING AND PROTECTION	165,601.00	SQYD
0345	05963	INITIAL FERTILIZER	10.00	TON
0350	05964	MAINTENANCE FERTILIZER	17.10	TON
0355	05985	SEEDING AND PROTECTION	331,201.00	SQYD
0360	05992	AGRICULTURAL LIMESTONE	205.30	TON
0365	06401	FLEXIBLE DELINEATOR POST-M/W	103.00	EACH
0370	06404	FLEXIBLE DELINEATOR POST-M/Y	80.00	EACH
0375	06511	PAVE STRIPING-TEMP PAINT-6 IN	17,400.00	LF
0380	06514	PAVE STRIPING-PERM PAINT-4 IN	9,669.00	LF
0385	06542	PAVE STRIPING-THERMO-6 IN W	14,782.00	LF
0390	06543	PAVE STRIPING-THERMO-6 IN Y	13,135.00	LF
0395	06546	PAVE STRIPING-THERMO-12 IN W	1,912.00	LF
0400	06567	PAVE MARKING-THERMO STOP BAR-12IN	144.00	LF
0405	06592	PAVEMENT MARKER TYPE V-B W/R	50.00	EACH
0410	08100	CONCRETE-CLASS A	7.02	CUYD
0415	08150	STEEL REINFORCEMENT	386.00	LB
0420	08904	CRASH CUSHION TY VI CLASS C	2.00	EACH
0425	10020NS	FUEL ADJUSTMENT	70,287.00	DOLL
0430	10030NS	ASPHALT ADJUSTMENT	54,242.00	DOLL
0435	20318ES508	RELOCATE CONC BARRIER WALL	13,400.00	LF
0440	20738NS112	TEMP CRASH CUSHION	8.00	EACH
0445	21289ED	LONGITUDINAL EDGE KEY	7,471.00	LF
0450	23274EN11F	TURF REINFORCEMENT MAT 1	50.00	SQYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0455	23322EC	AGGREGATE SIZE NO. 57	33.00	CUYD
0460	23839EC	REMOVE CONCRETE MEDIAN	490.00	SQYD
0465	24489EC	INLAID PAVEMENT MARKER	1,753.00	EACH
0470	24679ED	PAVE MARK THERMO CHEVRON	359.00	SQFT
0475	24814EC	PIPELINE INSPECTION	1,291.00	LF
0480	00078	CRUSHED AGGREGATE SIZE NO 2	9.00	TON
0485	00462	CULVERT PIPE-18 IN	357.00	LF
0490	00464	CULVERT PIPE-24 IN	237.00	LF
0495	00466	CULVERT PIPE-30 IN	108.00	LF
0500	00468	CULVERT PIPE-36 IN	356.00	LF
0505	00470	CULVERT PIPE-48 IN	165.00	LF
0510	00471	CULVERT PIPE-54 IN	55.00	LF
0515	00521	STORM SEWER PIPE-15 IN	71.00	LF
0520	00522	STORM SEWER PIPE-18 IN	107.00	LF
0525	00528	STORM SEWER PIPE-36 IN	56.00	LF
0530	01000	PERFORATED PIPE-4 IN	3,435.00	LF
0535	01010	NON-PERFORATED PIPE-4 IN	352.00	LF
0540	01020	PERF PIPE HEADWALL TY 1-4 IN	6.00	EACH
0545	01028	PERF PIPE HEADWALL TY 3-4 IN	1.00	EACH
0550	01032	PERF PIPE HEADWALL TY 4-4 IN	2.00	EACH
0555	01204	PIPE CULVERT HEADWALL-18 IN	5.00	EACH
0560	01208	PIPE CULVERT HEADWALL-24 IN	2.00	EACH
0565	01210	PIPE CULVERT HEADWALL-30 IN	2.00	EACH
0570	01212	PIPE CULVERT HEADWALL-36 IN	4.00	EACH
0575	01216	PIPE CULVERT HEADWALL-48 IN	2.00	EACH
0580	01440	SLOPED BOX INLET-OUTLET TYPE 1	2.00	EACH
0585	01451	S & F BOX INLET-OUTLET-24 IN	3.00	EACH
0590	01453	S & F BOX INLET-OUTLET-36 IN	1.00	EACH
0595	01456	CURB BOX INLET TYPE A	2.00	EACH
0600	01490	DROP BOX INLET TYPE 1	2.00	EACH
0605	01493	DROP BOX INLET TYPE 2	1.00	EACH
0610	01499	DROP BOX INLET TYPE 4	1.00	EACH
0615	01511	DROP BOX INLET TYPE 5D	1.00	EACH
0620	01650	JUNCTION BOX	2.00	EACH
0625	01767	MANHOLE TYPE C	1.00	EACH
0630	23610NC	CORED HOLE DRAINAGE BOX CON	4.00	EACH
0635	24026EC	PIPE CULVERT HEADWALL-54 IN	1.00	EACH
0640	02568	MOBILIZATION	1.00	LS
0645	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 221337 **NHPP 0011 (038)** **DE12190032237**

PURCHASE PARKWAY (PW 9003) RECONSTRUCT PARKWAY FROM SOUTH OF US51 INTERCHANGE TO CARDINAL ROAD NEAR MAYFIELD BRIDGE WITH GRADE & DRAIN, A DISTANCE OF 19.2 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0650	00003	CRUSHED STONE BASE	21,590.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0655	00071	CRUSHED AGGREGATE SIZE NO 57	374.00	TON
0660	00078	CRUSHED AGGREGATE SIZE NO 2	5,183.00	TON
0665	00100	ASPHALT SEAL AGGREGATE	868.00	TON
0670	00103	ASPHALT SEAL COAT	105.00	TON
0675	00212	CL2 ASPH BASE 1.00D PG64-22	2,994.00	TON
0680	00214	CL3 ASPH BASE 1.00D PG64-22	88.00	TON
0685	00216	CL3 ASPH BASE 1.00D PG76-22	124.00	TON
0690	00301	CL2 ASPH SURF 0.38D PG64-22	395.00	TON
0695	00309	CL2 ASPH SURF 0.50D PG64-22	1,086.00	TON
0700	00326	CL3 ASPH SURF 0.50B PG76-22	1,337.00	TON
0705	00461	CULVERT PIPE-15 IN	256.00	LF
0710	00521	STORM SEWER PIPE-15 IN	191.00	LF
0715	00522	STORM SEWER PIPE-18 IN	4.00	LF
0720	01310	REMOVE PIPE	263.00	LF
0725	01505	DROP BOX INLET TYPE 5B	1.00	EACH
0730	01511	DROP BOX INLET TYPE 5D	1.00	EACH
0735	01585	REMOVE DROP BOX INLET	2.00	EACH
0740	01634	CAP CURB BOX INLET	1.00	EACH
0745	01650	JUNCTION BOX	2.00	EACH
0750	01691	FLUME INLET TYPE 2	9.00	EACH
0755	01705	REMOVE CURB & GUTTER BOX INLET	12.00	EACH
0760	01877	SPECIAL HEADER CURB	818.00	LF
0765	01903	REMOVE CONCRETE ROLL CURB	15,088.00	LF
0770	01955	CONC MEDIAN BARRIER TYPE 12C1	300.00	LF
0775	01970	CONC MEDIAN BARRIER TYPE 12C TL3	40.00	LF
0780	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	195.00	EACH
0785	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	51.00	EACH
0790	01985	DELINEATOR FOR BARRIER - YELLOW	12.00	EACH
0795	02003	RELOCATE TEMP CONC BARRIER	14,908.00	LF
0800	02014	BARRICADE-TYPE III	8.00	EACH
0805	02159	TEMP DITCH	4,833.00	LF
0810	02160	CLEAN TEMP DITCH	2,417.00	LF
0815	02200	ROADWAY EXCAVATION	15,790.00	CUYD
0820	02242	WATER	126.00	MGAL
0825	02351	GUARDRAIL-STEEL W BEAM-S FACE	20,389.50	LF
0830	02352	GUARDRAIL-STEEL W BEAM-D FACE	275.00	LF
0835	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
0840	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH
0845	02365	CRASH CUSHION TYPE IX-A	2.00	EACH
0850	02367	GUARDRAIL END TREATMENT TYPE 1	17.00	EACH
0855	02369	GUARDRAIL END TREATMENT TYPE 2A	11.00	EACH
0860	02381	REMOVE GUARDRAIL	20,878.00	LF
0865	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	4.00	EACH
0870	02396	REMOVE GUARDRAIL END TREATMENT	16.00	EACH
0875	02483	CHANNEL LINING CLASS II	219.00	TON
0880	02545	CLEARING AND GRUBBING - - FULTON	1.00	LS
0885	02562	TEMPORARY SIGNS	608.00	SQFT
0890	02602	FABRIC-GEOTEXTILE CLASS 1	5,513.00	SQYD
0895	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	251.00	SQYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0900	02625	REMOVE HEADWALL	11.00	EACH
0905	02650	MAINTAIN & CONTROL TRAFFIC - - FULTON	1.00	LS
0910	02653	LANE CLOSURE	7.00	EACH
0915	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH
0920	02676	MOBILIZATION FOR MILL & TEXT - - FULTON	1.00	LS
0925	02677	ASPHALT PAVE MILLING & TEXTURING	1,222.00	TON
0930	02690	SAFELOADING	3.00	CUYD
0935	02696	SHOULDER RUMBLE STRIPS	20,492.00	LF
0940	02701	TEMP SILT FENCE	5,876.00	LF
0945	02703	SILT TRAP TYPE A	12.00	EACH
0950	02704	SILT TRAP TYPE B	12.00	EACH
0955	02705	SILT TRAP TYPE C	12.00	EACH
0960	02706	CLEAN SILT TRAP TYPE A	36.00	EACH
0965	02707	CLEAN SILT TRAP TYPE B	36.00	EACH
0970	02708	CLEAN SILT TRAP TYPE C	36.00	EACH
0975	02709	CLEAN TEMP SILT FENCE	3,129.00	LF
0980	02720	SIDEWALK-4 IN CONCRETE	335.00	SQYD
0985	02726	STAKING - - FULTON	1.00	LS
0990	02775	ARROW PANEL	6.00	EACH
0995	03171	CONCRETE BARRIER WALL TYPE 9T	14,908.00	LF
1000	04935	TEMP SIGNAL - - FULTON	1.00	LS
1005	05950	EROSION CONTROL BLANKET	2,047.00	SQYD
1010	05952	TEMP MULCH	40,692.00	SQYD
1015	05953	TEMP SEEDING AND PROTECTION	26,501.00	SQYD
1020	05963	INITIAL FERTILIZER	4.00	TON
1025	05964	MAINTENANCE FERTILIZER	7.00	TON
1030	05985	SEEDING AND PROTECTION	54,998.00	SQYD
1035	05992	AGRICULTURAL LIMESTONE	40.00	TON
1040	06401	FLEXIBLE DELINEATOR POST-M/W	204.00	EACH
1045	06404	FLEXIBLE DELINEATOR POST-M/Y	139.00	EACH
1050	06511	PAVE STRIPING-TEMP PAINT-6 IN	17,126.00	LF
1055	06542	PAVE STRIPING-THERMO-6 IN W	9,856.00	LF
1060	06543	PAVE STRIPING-THERMO-6 IN Y	10,276.00	LF
1065	06546	PAVE STRIPING-THERMO-12 IN W	2,346.00	LF
1070	06567	PAVE MARKING-THERMO STOP BAR-12IN	160.00	LF
1075	06592	PAVEMENT MARKER TYPE V-B W/R	58.00	EACH
1080	06613	INLAID PAVEMENT MARKER-B W/R	380.00	EACH
1085	08100	CONCRETE-CLASS A	14.00	CUYD
1090	08150	STEEL REINFORCEMENT	652.00	LB
1095	08904	CRASH CUSHION TY VI CLASS C	4.00	EACH
1100	10020NS	FUEL ADJUSTMENT	22,420.00	DOLL
1105	10030NS	ASPHALT ADJUSTMENT	30,581.00	DOLL
1110	20521NS719	REMOVE BRIDGE END CONNECTOR	8.00	EACH
1115	20550ND	SAWCUT PAVEMENT	9,152.00	LF
1120	20738NS112	TEMP CRASH CUSHION	4.00	EACH
1125	21288ND	CONCRETE MEDIAN BARRIER TYPE 12C2-50 IN	1,296.00	LF
1130	21289ED	LONGITUDINAL EDGE KEY	19,701.00	LF
1135	24814EC	PIPELINE INSPECTION	215.00	LF
1140	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	9.00	TON
1145	40074	ASPHALT LEVELING AND WEDGING	128.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1150	00001	DGA BASE	113.00	TON
1155	00003	CRUSHED STONE BASE	5,471.00	TON
1160	00071	CRUSHED AGGREGATE SIZE NO 57	568.00	TON
1165	00078	CRUSHED AGGREGATE SIZE NO 2	10,624.00	TON
1170	00100	ASPHALT SEAL AGGREGATE	90.00	TON
1175	00103	ASPHALT SEAL COAT	12.00	TON
1180	00212	CL2 ASPH BASE 1.00D PG64-22	1,314.00	TON
1185	00301	CL2 ASPH SURF 0.38D PG64-22	591.00	TON
1190	00309	CL2 ASPH SURF 0.50D PG64-22	49.00	TON
1195	00461	CULVERT PIPE-15 IN	620.00	LF
1200	00462	CULVERT PIPE-18 IN	219.00	LF
1205	00521	STORM SEWER PIPE-15 IN	120.00	LF
1210	01310	REMOVE PIPE	12.00	LF
1215	01480	CURB BOX INLET TYPE B	6.00	EACH
1220	01505	DROP BOX INLET TYPE 5B	4.00	EACH
1225	01585	REMOVE DROP BOX INLET	10.00	EACH
1230	01650	JUNCTION BOX	4.00	EACH
1235	01691	FLUME INLET TYPE 2	12.00	EACH
1240	01877	SPECIAL HEADER CURB	2,435.00	LF
1245	01955	CONC MEDIAN BARRIER TYPE 12C1	600.00	LF
1250	01970	CONC MEDIAN BARRIER TYPE 12C TL3	80.00	LF
1255	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	209.00	EACH
1260	01985	DELINEATOR FOR BARRIER - YELLOW	24.00	EACH
1265	02003	RELOCATE TEMP CONC BARRIER	8,000.00	LF
1270	02014	BARRICADE-TYPE III	8.00	EACH
1275	02200	ROADWAY EXCAVATION	5,672.00	CUYD
1280	02242	WATER	124.00	MGAL
1285	02351	GUARDRAIL-STEEL W BEAM-S FACE	18,783.00	LF
1290	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
1295	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	12.00	EACH
1300	02367	GUARDRAIL END TREATMENT TYPE 1	26.00	EACH
1305	02369	GUARDRAIL END TREATMENT TYPE 2A	26.00	EACH
1310	02381	REMOVE GUARDRAIL	19,845.00	LF
1315	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	12.00	EACH
1320	02396	REMOVE GUARDRAIL END TREATMENT	103.00	EACH
1325	02483	CHANNEL LINING CLASS II	109.00	TON
1330	02484	CHANNEL LINING CLASS III	70.00	TON
1335	02545	CLEARING AND GRUBBING - - HICKMAN	1.00	LS
1340	02555	CONCRETE-CLASS B	4.00	CUYD
1345	02562	TEMPORARY SIGNS	640.00	SQFT
1350	02585	EDGE KEY	310.00	LF
1355	02602	FABRIC-GEOTEXTILE CLASS 1	10,950.00	SQYD
1360	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,038.00	SQYD
1365	02625	REMOVE HEADWALL	6.00	EACH
1370	02650	MAINTAIN & CONTROL TRAFFIC - - HICKMAN	1.00	LS
1375	02653	LANE CLOSURE	10.00	EACH
1380	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
1385	02676	MOBILIZATION FOR MILL & TEXT - - HICKMAN	1.00	LS
1390	02677	ASPHALT PAVE MILLING & TEXTURING	130.00	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1395	02690	SAFELOADING	4.00	CUYD
1400	02696	SHOULDER RUMBLE STRIPS	5,918.00	LF
1405	02701	TEMP SILT FENCE	3,020.00	LF
1410	02703	SILT TRAP TYPE A	6.00	EACH
1415	02704	SILT TRAP TYPE B	4.00	EACH
1420	02705	SILT TRAP TYPE C	4.00	EACH
1425	02706	CLEAN SILT TRAP TYPE A	12.00	EACH
1430	02707	CLEAN SILT TRAP TYPE B	12.00	EACH
1435	02708	CLEAN SILT TRAP TYPE C	12.00	EACH
1440	02709	CLEAN TEMP SILT FENCE	9,060.00	LF
1445	02720	SIDEWALK-4 IN CONCRETE	699.00	SQYD
1450	02726	STAKING - - HICKMAN	1.00	LS
1455	02775	ARROW PANEL	10.00	EACH
1460	03171	CONCRETE BARRIER WALL TYPE 9T	8,000.00	LF
1465	04935	TEMP SIGNAL - - HICKMAN	1.00	LS
1470	05952	TEMP MULCH	10,654.00	SQYD
1475	05953	TEMP SEEDING AND PROTECTION	10,654.00	SQYD
1480	05963	INITIAL FERTILIZER	3.00	TON
1485	05964	MAINTENANCE FERTILIZER	3.00	TON
1490	05985	SEEDING AND PROTECTION	4,695.00	SQYD
1495	05992	AGRICULTURAL LIMESTONE	9.00	TON
1500	06543	PAVE STRIPING-THERMO-6 IN Y	5,918.00	LF
1505	08100	CONCRETE-CLASS A	28.00	CUYD
1510	08150	STEEL REINFORCEMENT	1,364.00	LB
1515	08904	CRASH CUSHION TY VI CLASS C	8.00	EACH
1520	10020NS	FUEL ADJUSTMENT	7,533.00	DOLL
1525	10030NS	ASPHALT ADJUSTMENT	9,602.00	DOLL
1530	20550ND	SAWCUT PAVEMENT	594.00	LF
1535	20738NS112	TEMP CRASH CUSHION	8.00	EACH
1540	21288ND	CONCRETE MEDIAN BARRIER TYPE 12C2-50 IN	2,376.00	LF
1545	21289ED	LONGITUDINAL EDGE KEY	6,240.00	LF
1550	21600EN	SHEET PILING	1,232.00	LF
1555	24814EC	PIPELINE INSPECTION	970.00	LF
1560	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	2.00	TON
1565	40047	SODDING	92.00	SQYD
1570	00001	DGA BASE	253.00	TON
1575	00003	CRUSHED STONE BASE	13,030.00	TON
1580	00071	CRUSHED AGGREGATE SIZE NO 57	1,185.00	TON
1585	00078	CRUSHED AGGREGATE SIZE NO 2	15,325.00	TON
1590	00100	ASPHALT SEAL AGGREGATE	218.00	TON
1595	00103	ASPHALT SEAL COAT	28.00	TON
1600	00212	CL2 ASPH BASE 1.00D PG64-22	3,638.00	TON
1605	00301	CL2 ASPH SURF 0.38D PG64-22	1,388.00	TON
1610	00309	CL2 ASPH SURF 0.50D PG64-22	411.00	TON
1615	00332	CL3 ASPH SURF 0.50A PG76-22	5,360.00	TON
1620	00440	ENTRANCE PIPE-15 IN	42.00	LF
1625	00461	CULVERT PIPE-15 IN	801.00	LF
1630	00462	CULVERT PIPE-18 IN	299.00	LF
1635	00474	CULVERT PIPE-72 IN	44.00	LF
1640	00521	STORM SEWER PIPE-15 IN	379.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1645	00522	STORM SEWER PIPE-18 IN	240.00	LF
1650	01202	PIPE CULVERT HEADWALL-15 IN	4.00	EACH
1655	01310	REMOVE PIPE	87.00	LF
1660	01480	CURB BOX INLET TYPE B	10.00	EACH
1665	01505	DROP BOX INLET TYPE 5B	4.00	EACH
1670	01511	DROP BOX INLET TYPE 5D	2.00	EACH
1675	01517	DROP BOX INLET TYPE 5F	1.00	EACH
1680	01585	REMOVE DROP BOX INLET	28.00	EACH
1685	01650	JUNCTION BOX	7.00	EACH
1690	01655	REMOVE JUNCTION BOX	1.00	EACH
1695	01690	FLUME INLET TYPE 1	4.00	EACH
1700	01691	FLUME INLET TYPE 2	66.00	EACH
1705	01877	SPECIAL HEADER CURB	18,944.00	LF
1710	01955	CONC MEDIAN BARRIER TYPE 12C1	900.00	LF
1715	01970	CONC MEDIAN BARRIER TYPE 12C TL3	120.00	LF
1720	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	523.00	EACH
1725	01985	DELINEATOR FOR BARRIER - YELLOW	37.00	EACH
1730	02003	RELOCATE TEMP CONC BARRIER	12,000.00	LF
1735	02014	BARRICADE-TYPE III	12.00	EACH
1740	02200	ROADWAY EXCAVATION	7,988.00	CUYD
1745	02242	WATER	126.00	MGAL
1750	02351	GUARDRAIL-STEEL W BEAM-S FACE	46,437.00	LF
1755	02352	GUARDRAIL-STEEL W BEAM-D FACE	1,100.00	LF
1760	02360	GUARDRAIL TERMINAL SECTION NO 1	13.00	EACH
1765	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	46.00	EACH
1770	02365	CRASH CUSHION TYPE IX-A	8.00	EACH
1775	02367	GUARDRAIL END TREATMENT TYPE 1	52.00	EACH
1780	02369	GUARDRAIL END TREATMENT TYPE 2A	51.00	EACH
1785	02381	REMOVE GUARDRAIL	49,164.00	LF
1790	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	46.00	EACH
1795	02396	REMOVE GUARDRAIL END TREATMENT	103.00	EACH
1800	02483	CHANNEL LINING CLASS II	327.00	TON
1805	02484	CHANNEL LINING CLASS III	321.00	TON
1810	02545	CLEARING AND GRUBBING - - GRAVES	1.00	LS
1815	02555	CONCRETE-CLASS B	24.00	CUYD
1820	02562	TEMPORARY SIGNS	960.00	SQFT
1825	02602	FABRIC-GEOTEXTILE CLASS 1	16,402.00	SQYD
1830	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,784.00	SQYD
1835	02625	REMOVE HEADWALL	13.00	EACH
1840	02650	MAINTAIN & CONTROL TRAFFIC - - GRAVES	1.00	LS
1845	02653	LANE CLOSURE	15.00	EACH
1850	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
1855	02676	MOBILIZATION FOR MILL & TEXT - - GRAVES	1.00	LS
1860	02677	ASPHALT PAVE MILLING & TEXTURING	1,096.00	TON
1865	02690	SAFELOADING	14.00	CUYD
1870	02696	SHOULDER RUMBLE STRIPS	8,880.00	LF
1875	02701	TEMP SILT FENCE	4,181.00	LF
1880	02703	SILT TRAP TYPE A	7.00	EACH
1885	02704	SILT TRAP TYPE B	6.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1890	02705	SILT TRAP TYPE C	6.00	EACH
1895	02706	CLEAN SILT TRAP TYPE A	18.00	EACH
1900	02707	CLEAN SILT TRAP TYPE B	18.00	EACH
1905	02708	CLEAN SILT TRAP TYPE C	18.00	EACH
1910	02709	CLEAN TEMP SILT FENCE	12,543.00	LF
1915	02720	SIDEWALK-4 IN CONCRETE	1,300.00	SQYD
1920	02726	STAKING - - GRAVES	1.00	LS
1925	02775	ARROW PANEL	14.00	EACH
1930	03171	CONCRETE BARRIER WALL TYPE 9T	12,000.00	LF
1935	04935	TEMP SIGNAL - - GRAVES	1.00	LS
1940	05950	EROSION CONTROL BLANKET	3,651.00	SQYD
1945	05952	TEMP MULCH	15,507.00	SQYD
1950	05953	TEMP SEEDING AND PROTECTION	15,507.00	SQYD
1955	05963	INITIAL FERTILIZER	5.00	TON
1960	05964	MAINTENANCE FERTILIZER	5.00	TON
1965	05985	SEEDING AND PROTECTION	8,275.00	SQYD
1970	05992	AGRICULTURAL LIMESTONE	15.00	TON
1975	06543	PAVE STRIPING-THERMO-6 IN Y	8,880.00	LF
1980	08100	CONCRETE-CLASS A	42.00	CUYD
1985	08150	STEEL REINFORCEMENT	2,248.00	LB
1990	08904	CRASH CUSHION TY VI CLASS C	12.00	EACH
1995	10020NS	FUEL ADJUSTMENT	7,533.00	DOLL
2000	10030NS	ASPHALT ADJUSTMENT	9,602.00	DOLL
2005	20465EC	CLEAN CULVERT - - GRAVES	1.00	LS
2010	20521NS719	REMOVE BRIDGE END CONNECTOR	32.00	EACH
2015	20550ND	SAWCUT PAVEMENT	1,689.00	LF
2020	20738NS112	TEMP CRASH CUSHION	12.00	EACH
2025	21288ND	CONCRETE MEDIAN BARRIER TYPE 12C2-50 IN	4,276.00	LF
2030	21289ED	LONGITUDINAL EDGE KEY	8,040.00	LF
2035	21600EN	SHEET PILING	3,301.00	LF
2040	23274EN11F	TURF REINFORCEMENT MAT 1	2.00	SQYD
2045	23804EC	CONC MED BARRIER BOX INLET-TY 12A1	1.00	EACH
2050	23976EC	CONC MED BARR BOX INLET TY 12A2-50(MOD)	1.00	EACH
2055	24814EC	PIPELINE INSPECTION	1,769.00	LF
2060	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	4.00	TON
2065	08435	JACK & SUPPORT BRIDGE SPAN - (038B00055 NB & SB)	1.00	LS
2095	21969NN	BEARING REPLACEMENT	40.00	EACH
2100	22146EN	CONCRETE PATCHING REPAIR	280.00	SQFT
2105	23032EN	BRIDGE BARRIER RETROFIT	2,155.50	LF
2125	24981EC	BRIDGE CLEANING - 038B00055 NB & SB	1.00	LS
2130	08435	JACK & SUPPORT BRIDGE SPAN - (042B00170 NB & SB)	1.00	LS
2135	21969NN	BEARING REPLACEMENT	16.00	EACH
2140	22146EN	CONCRETE PATCHING REPAIR	80.00	SQFT
2145	23032EN	BRIDGE BARRIER RETROFIT	1,329.60	LF
2150	23378EC	CONCRETE SEALING	6,607.80	SQFT
2155	23386EC	JOINT SEAL REPLACEMENT	127.80	LF
2160	24094EC	PARTIAL DEPTH PATCHING	24.40	CUYD
2165	24981EC	BRIDGE CLEANING - 042B00170 NB & SB	1.00	LS
2180	08435	JACK & SUPPORT BRIDGE SPAN - (042B00173 NB & SB)	1.00	LS
2185	08504	EPOXY SAND SLURRY	51.80	SQYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
2190	08526	CONC CLASS M FULL DEPTH PATCH	5.00	CUYD
2195	08534	CONCRETE OVERLAY-LATEX	18.60	CUYD
2200	08549	BLAST CLEANING	588.00	SQYD
2205	08551	MACHINE PREP OF SLAB	537.00	SQYD
2210	21969NN	BEARING REPLACEMENT	20.00	EACH
2215	22146EN	CONCRETE PATCHING REPAIR	80.00	SQFT
2220	23032EN	BRIDGE BARRIER RETROFIT	597.40	LF
2225	23378EC	CONCRETE SEALING	2,664.00	SQFT
2230	23386EC	JOINT SEAL REPLACEMENT	76.00	LF
2235	24094EC	PARTIAL DEPTH PATCHING	12.60	CUYD
2240	24981EC	BRIDGE CLEANING - 042B00173 NB & SB	1.00	LS
2245	08435	JACK & SUPPORT BRIDGE SPAN - (042B00176 NB & SB)	1.00	LS
2250	21969NN	BEARING REPLACEMENT	20.00	EACH
2255	22146EN	CONCRETE PATCHING REPAIR	80.00	SQFT
2260	23032EN	BRIDGE BARRIER RETROFIT	933.60	LF
2265	23378EC	CONCRETE SEALING	4,163.40	SQFT
2270	23386EC	JOINT SEAL REPLACEMENT	152.00	LF
2275	24094EC	PARTIAL DEPTH PATCHING	20.80	CUYD
2280	24981EC	BRIDGE CLEANING - 042B00176 NB & SB	1.00	LS
2285	08435	JACK & SUPPORT BRIDGE SPAN - (042B00177 NB & SB)	1.00	LS
2290	21969NN	BEARING REPLACEMENT	20.00	EACH
2295	22146EN	CONCRETE PATCHING REPAIR	80.00	SQFT
2300	23032EN	BRIDGE BARRIER RETROFIT	945.00	LF
2305	23378EC	CONCRETE SEALING	4,213.80	SQFT
2310	23386EC	JOINT SEAL REPLACEMENT	215.00	LF
2315	24094EC	PARTIAL DEPTH PATCHING	22.30	CUYD
2320	24981EC	BRIDGE CLEANING - 042B00177 NB & SB	1.00	LS
2360	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2370	24522EC	REPAIR - ALUMINUM RAILING	1.00	LS
2375	24522EC	REPAIR - EROSION AT ABUTMENTS	1.00	LS
2380	24981EC	BRIDGE CLEANING - 038B00012	1.00	LS
2385	03298	EXPAN JOINT REPLACE 4 IN	100.20	LF
2390	08526	CONC CLASS M FULL DEPTH PATCH	2.00	CUYD
2395	22146EN	CONCRETE PATCHING REPAIR	8.00	SQFT
2400	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2405	24094EC	PARTIAL DEPTH PATCHING	9.80	CUYD
2410	24981EC	BRIDGE CLEANING - 038B00015	1.00	LS
2415	03298	EXPAN JOINT REPLACE 4 IN	60.00	LF
2420	08526	CONC CLASS M FULL DEPTH PATCH	2.00	CUYD
2425	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2430	24094EC	PARTIAL DEPTH PATCHING	8.10	CUYD
2435	24981EC	BRIDGE CLEANING - 053B00068	1.00	LS
2440	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2450	24981EC	BRIDGE CLEANING - 053B00050	1.00	LS
2455	03298	EXPAN JOINT REPLACE 4 IN	52.60	LF
2460	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2465	24094EC	PARTIAL DEPTH PATCHING	7.00	CUYD
2470	24981EC	BRIDGE CLEANING - 053B00056	1.00	LS
2475	03298	EXPAN JOINT REPLACE 4 IN	71.00	LF
2480	03299	ARMORED EDGE FOR CONCRETE	71.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
2485	08504	EPOXY SAND SLURRY	196.80	SQYD
2490	08526	CONC CLASS M FULL DEPTH PATCH	5.00	CUYD
2495	08534	CONCRETE OVERLAY-LATEX	26.70	CUYD
2500	08549	BLAST CLEANING	965.00	SQYD
2505	08551	MACHINE PREP OF SLAB	769.00	SQYD
2510	22146EN	CONCRETE PATCHING REPAIR	75.00	SQFT
2515	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2520	24094EC	PARTIAL DEPTH PATCHING	13.30	CUYD
2525	24981EC	BRIDGE CLEANING - 053B00102	1.00	LS
2530	03298	EXPAN JOINT REPLACE 4 IN	55.00	LF
2535	03299	ARMORED EDGE FOR CONCRETE	55.00	LF
2540	08504	EPOXY SAND SLURRY	155.70	SQYD
2545	08526	CONC CLASS M FULL DEPTH PATCH	5.00	CUYD
2550	08534	CONCRETE OVERLAY-LATEX	21.10	CUYD
2555	08549	BLAST CLEANING	763.00	SQYD
2560	08551	MACHINE PREP OF SLAB	607.00	SQYD
2565	22146EN	CONCRETE PATCHING REPAIR	12.00	SQFT
2570	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2575	24094EC	PARTIAL DEPTH PATCHING	8.40	CUYD
2580	24981EC	BRIDGE CLEANING - 042B00171	1.00	LS
2585	03298	EXPAN JOINT REPLACE 4 IN	63.50	LF
2590	22146EN	CONCRETE PATCHING REPAIR	5.00	SQFT
2595	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2600	24094EC	PARTIAL DEPTH PATCHING	8.20	CUYD
2605	03298	EXPAN JOINT REPLACE 4 IN	58.80	LF
2610	03299	ARMORED EDGE FOR CONCRETE	58.80	LF
2615	22146EN	CONCRETE PATCHING REPAIR	64.00	SQFT
2620	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2625	24094EC	PARTIAL DEPTH PATCHING	9.10	CUYD
2630	03298	EXPAN JOINT REPLACE 4 IN	52.90	LF
2635	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2640	24094EC	PARTIAL DEPTH PATCHING	6.90	CUYD
2645	24981EC	BRIDGE CLEANING - 042B00175	1.00	LS
2650	03298	EXPAN JOINT REPLACE 4 IN	64.80	LF
2655	03299	ARMORED EDGE FOR CONCRETE	64.80	LF
2660	08504	EPOXY SAND SLURRY	170.40	SQYD
2665	08526	CONC CLASS M FULL DEPTH PATCH	5.00	CUYD
2670	08534	CONCRETE OVERLAY-LATEX	24.80	CUYD
2675	08549	BLAST CLEANING	886.00	SQYD
2680	08551	MACHINE PREP OF SLAB	716.00	SQYD
2685	22146EN	CONCRETE PATCHING REPAIR	20.00	SQFT
2690	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2695	24094EC	PARTIAL DEPTH PATCHING	9.90	CUYD
2700	03298	EXPAN JOINT REPLACE 4 IN	54.40	LF
2705	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS
2710	24094EC	PARTIAL DEPTH PATCHING	7.30	CUYD
2715	24981EC	BRIDGE CLEANING - 042B00128	1.00	LS
2720	06400	GMSS GALV STEEL TYPE A	395.00	LB
2725	06405	SBM ALUMINUM PANEL SIGNS	1,862.00	SQFT
2730	06406	SBM ALUM SHEET SIGNS .080 IN	253.00	SQFT

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
2735	06407	SBM ALUM SHEET SIGNS .125 IN	457.00	SQFT
2740	06410	STEEL POST TYPE 1	610.00	LF
2745	06411	STEEL POST TYPE 2	40.00	LF
2750	06451	REMOVE SIGN SUPPORT BEAM	12.00	EACH
2755	06490	CLASS A CONCRETE FOR SIGNS	37.00	CUYD
2760	20419ND	ROADWAY CROSS SECTION	6.00	EACH
2765	21373ND	REMOVE SIGN	35.00	EACH
2770	21596ND	GMSS TYPE D	22.00	EACH
2775	24631EC	BARCODE SIGN INVENTORY	122.00	EACH
2780	06400	GMSS GALV STEEL TYPE A	144.00	LB
2785	06405	SBM ALUMINUM PANEL SIGNS	448.00	SQFT
2790	06406	SBM ALUM SHEET SIGNS .080 IN	20.00	SQFT
2795	06411	STEEL POST TYPE 2	100.00	LF
2800	06451	REMOVE SIGN SUPPORT BEAM	4.00	EACH
2805	06490	CLASS A CONCRETE FOR SIGNS	11.00	CUYD
2810	20419ND	ROADWAY CROSS SECTION	2.00	EACH
2815	21373ND	REMOVE SIGN	12.00	EACH
2820	24631EC	BARCODE SIGN INVENTORY	10.00	EACH
2825	06400	GMSS GALV STEEL TYPE A	347.00	LB
2830	06405	SBM ALUMINUM PANEL SIGNS	1,528.00	SQFT
2835	06406	SBM ALUM SHEET SIGNS .080 IN	470.00	SQFT
2840	06407	SBM ALUM SHEET SIGNS .125 IN	192.00	SQFT
2845	06410	STEEL POST TYPE 1	180.00	LF
2850	06411	STEEL POST TYPE 2	240.00	LF
2855	06451	REMOVE SIGN SUPPORT BEAM	12.00	EACH
2860	06490	CLASS A CONCRETE FOR SIGNS	33.00	CUYD
2865	20418ED	REMOVE & RELOCATE SIGNS	2.00	EACH
2870	20419ND	ROADWAY CROSS SECTION	6.00	EACH
2875	21373ND	REMOVE SIGN	35.00	EACH
2880	21596ND	GMSS TYPE D	12.00	EACH
2885	24631EC	BARCODE SIGN INVENTORY	124.00	EACH
2890	04714	POLE 120 FT MTG HT HIGH MAST	2.00	EACH
2895	04797	CONDUIT-3 IN	946.00	LF
2900	04800	MARKER	7.00	EACH
2905	04820	TRENCHING AND BACKFILLING	3,719.00	LF
2910	04940	REMOVE LIGHTING - KY307	1.00	LS
2915	04940	REMOVE LIGHTING - US51	1.00	LS
2920	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	7.00	EACH
2925	20410ED	MAINTAIN LIGHTING - KY307	1.00	LS
2930	20410ED	MAINTAIN LIGHTING - US51	1.00	LS
2935	21543EN	BORE AND JACK CONDUIT	946.00	LF
2940	23161EN	POLE BASE-HIGH MAST	36.00	CUYD
2945	24749EC	HIGH MAST LED LUMINAIRE	77.00	EACH
2950	24851EC	CABLE-NO. 10/3C DUCTED	4,380.00	LF
2955	04714	POLE 120 FT MTG HT HIGH MAST	9.00	EACH
2960	04761	LIGHTING CONTROL EQUIPMENT	1.00	EACH
2965	04797	CONDUIT-3 IN	1,136.00	LF
2970	04800	MARKER	20.00	EACH
2975	04820	TRENCHING AND BACKFILLING	6,812.00	LF
2980	04940	REMOVE LIGHTING - KY339	1.00	LS

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
2985	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH
2990	20392NS835	ELECTRICAL JUNCTION BOX TYPE C	8.00	EACH
2995	20410ED	MAINTAIN LIGHTING - KY339	1.00	LS
3000	21543EN	BORE AND JACK CONDUIT	1,136.00	LF
3005	23161EN	POLE BASE-HIGH MAST	84.80	CUYD
3010	24749EC	HIGH MAST LED LUMINAIRE	52.00	EACH
3015	24851EC	CABLE-NO. 10/3C DUCTED	13,564.00	LF
3020	04797	CONDUIT-3 IN	120.00	LF
3025	04820	TRENCHING AND BACKFILLING	1,140.00	LF
3030	20257NC	SITE PREPARATION - KY307	1.00	LS
3035	20257NC	SITE PREPARATION - US51	1.00	LS
3040	21058ND	WINCH LOWERING TOOL	2.00	EACH
3045	21066ND	MODEL 336 ENCLOSURE	2.00	EACH
3050	21071ND	DATA SURGE DEVICE	2.00	EACH
3055	21079ND	TRANSFORMER 480/120	2.00	EACH
3060	21489ND	RACK MOUNTED UPS	2.00	EACH
3065	21543EN	BORE AND JACK CONDUIT	120.00	LF
3070	22403NN	WEB CAMERA ASSEMBLY	2.00	EACH
3075	23150NN	COMMUNICATION CABLE	120.00	LF
3080	23151NN	POLE WITH LOWERING DEVICE	2.00	EACH
3085	23157EN	TRAFFIC SIGNAL POLE BASE	10.00	CUYD
3090	23944EC	ADVANCED GROUNDING SYSTEM	2.00	EACH
3095	24851EC	CABLE-NO. 10/3C DUCTED	1,260.00	LF
3100	04797	CONDUIT-3 IN	135.00	LF
3105	04800	MARKER	1.00	EACH
3110	04820	TRENCHING AND BACKFILLING	675.00	LF
3115	20257NC	SITE PREPARATION - KY339	1.00	LS
3120	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	2.00	EACH
3125	21058ND	WINCH LOWERING TOOL	1.00	EACH
3130	21066ND	MODEL 336 ENCLOSURE	1.00	EACH
3135	21071ND	DATA SURGE DEVICE	1.00	EACH
3140	21079ND	TRANSFORMER 480/120	1.00	EACH
3145	21489ND	RACK MOUNTED UPS	1.00	EACH
3150	21543EN	BORE AND JACK CONDUIT	135.00	LF
3155	22403NN	WEB CAMERA ASSEMBLY	1.00	EACH
3160	23150NN	COMMUNICATION CABLE	60.00	LF
3165	23151NN	POLE WITH LOWERING DEVICE	1.00	EACH
3170	23157EN	TRAFFIC SIGNAL POLE BASE	5.00	CUYD
3175	23944EC	ADVANCED GROUNDING SYSTEM	1.00	EACH
3180	24851EC	CABLE-NO. 10/3C DUCTED	810.00	LF
3185	02568	MOBILIZATION	1.00	LS
3190	02569	DEMOBILIZATION	1.00	LS

"General Decision Number: KY20220040 08/05/2022

Superseded General Decision Number: KY20210040

State: Kentucky

Construction Type: Highway

Counties: Allen, Ballard, Butler, Caldwell, Calloway, Carlisle, Christian, Crittenden, Daviess, Edmonson, Fulton, Graves, Hancock, Henderson, Hickman, Hopkins, Livingston, Logan, Lyon, Marshall, McCracken, McLean, Muhlenberg, Ohio, Simpson, Todd, Trigg, Union, Warren and Webster Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least $15.00 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least $11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at https://www.dol.gov/agencies/whd/government-contracts.

Modification Number	Publication Date
0	01/07/2022
1	01/14/2022
2	02/11/2022
3	02/18/2022
4	02/25/2022
5	05/06/2022
6	06/10/2022
7	07/01/2022
8	08/05/2022

BRIN0004-002 06/01/2021

BALLARD, BUTLER, CALDWELL, CARLISLE, CRITTENDEN, DAVIESS, EDMONSON, FULTON, GRAVES, HANCOCK, HENDERSON, HICKMAN, HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCRACKEN, MCLEAN, MUHLENBERG, OHIO, UNION, and WEBSTER COUNTIES

	Rates	Fringes
BRICKLAYER		
Ballard, Caldwell, Carlisle, Crittenden, Fulton, Graves, Hickman, Livingston, Lyon, Marshall, and McCracken Counties	$ 30.50	15.16
Butler, Edmonson, Hopkins, Muhlenberg, and Ohio Counties	$ 26.80	12.38
Daviess, Hancock, Henderson, McLean, Union, and Webster Counties	$ 29.57	14.75

BRTN0004-005 06/01/2021

ALLEN, CALLOWAY, CHRISTIAN, LOGAN, SIMPSON, TODD, TRIGG, and WARREN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 29.75	14.75

CARP0357-002 04/01/2022

	Rates	Fringes
CARPENTER	$ 30.84	22.15
DIVER	$ 46.64	22.15
PILEDRIVERMAN	$ 31.09	22.15

---

* ELEC0369-006 06/01/2022

BUTLER, EDMONSON, LOGAN, TODD & WARREN COUNTIES:

	Rates	Fringes

ELECTRICIAN.....$ 34.60 19.57

---

* ELEC0429-001 06/01/2022

ALLEN & SIMPSON COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 31.55	14.08

ELEC0816-002 06/01/2022

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON (Except a 5 mile radius of City Hall in Fulton), GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 35.11	22%+1.5%+3%+7.35

Cable spicers receive $.25 per hour additional.

---

* ELEC1701-003 06/01/2022

DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO, UNION & WEBSTER COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 34.18	7.35+30.8%

Cable spicers receive $.25 per hour additional.

---

* ELEC1925-002 06/01/2022

FULTON COUNTY (Up to a 5 mile radius of City Hall in Fulton):

	Rates	Fringes
CABLE SPLICER	$ 26.80	14.93
ELECTRICIAN	$ 26.30	14.93

ENGI0181-017 07/01/2021

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1	$ 34.80	17.85
GROUP 2	$ 31.94	17.85
GROUP 3	$ 32.39	17.85
GROUP 4	$ 31.62	17.85

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - A-Frame Winch Truck; Auto Patrol; Backfiller; Batcher Plant; Bituminous Paver; Bituminous Transfer Machine; Boom Cat; Bulldozer; Mechanic; Cableway; Carry-All Scoop; Carry Deck Crane; Central Compressor Plant; Cherry Picker; Clamshell; Concrete Mixer (21 cu. ft. or Over); Concrete Paver; Truck-Mounted Concrete Pump; Core Drill; Crane; Crusher Plant; Derrick; Derrick Boat; Ditching & Trenching Machine; Dragline; Dredge Operator; Dredge Engineer; Elevating Grader & Loaders; Grade-All; Gurries;

Heavy Equipment Robotics Operator/Mechanic; High Lift; Hoe-Type Machine; Hoist (Two or More Drums); Hoisting Engine (Two or More Drums); Horizontal Directional Drill Operator; Hydrocrane; Hyster; KeCal Loader; LeTourneau; Locomotive; Mechanic; Mechanically Operated Laser Screed; Mechanic Welder; Mucking Machine; Motor Scraper; Orangepeel Bucket; Overhead Crane; Piledriver; Power Blade; Pumpcrete; Push Dozer; Rock Spreader, attached to equipment; Rotary Drill; Roller (Bituminous); Rough Terrain Crane; Scarifier; Scoopmobile; Shovel; Side Boom; Subgrader; Tailboom; Telescoping Type Forklift; Tow or Push Boat; Tower Crane (French, German & other types); Tractor Shovel; Truck Crane; Tunnel Mining Machines, including Moles, Shields or similar types of Tunnel Mining Equipment

GROUP 2 - Air Compressor (Over 900 cu. ft. per min.); Bituminous Mixer; Boom Type Tamping Machine; Bull Float; Concrete Mixer (Under 21 cu. ft.); Dredge Engineer; Electric Vibrator; Compactor/Self-Propelled Compactor; Elevator (One Drum or Buck Hoist); Elevator (When used to Hoist Building Material); Finish Machine; Firemen & Hoist (One Drum); Flexplane; Forklift (Regardless of Lift Height); Form Grader; Joint Sealing Machine; Outboard Motor Boat; Power Sweeper (Riding Type); Roller (Rock); Ross Carrier; Skid Mounted or Trailer Mounted Conrete Pump; Skid Steer Machine with all Attachments; Switchman or Brakeman; Throttle Valve Person; Tractair & Road Widening Trencher; Tractor (50 H.P. or Over); Truck Crane Oiler; Tugger; Welding Machine; Well Points;& Whirley Oiler

GROUP 3 -All Off Road Material Handling Equipment, including Articulating Dump Trucks; Greaser on Grease Facilities servicing Heavy Equipment

GROUP 4 - Bituminous Distributor; Burlap & Curing Machine; Cement Gun; Concrete Saw; Conveyor; Deckhand Oiler; Grout Pump; Hydraulic Post Driver; Hydro Seeder; Mud Jack; Oiler; Paving Joint Machine; Power Form Handling Equipment; Pump; Roller (Earth); Steerman; Tamping Machine; Tractor (Under 50 H.P.); & Vibrator

CRANES - with booms 150 ft. & Over (Including JIB), and where the length of the boom in combination with the length of the piling equals or exceeds 150 ft. - $1.00 above Group 1 rate

EMPLOYEES ASSIGNED TO WORK BELOW GROUND LEVEL ARE TO BE PAID 10% ABOVE BASIC WAGE RATE. THIS DOES NOT APPLY TO OPEN CUT WORK.

IRON0070-005 06/01/2022

BUTLER COUNTY (Eastern eighth, including the Townships of Decker, Lee & Tilford);
EDMONSON COUNTY (Northern three-fourths, including the Townships of Asphalt, Bee Spring, Brownsville, Grassland, Huff, Kyrock, Lindseyville, Mammoth Cave, Ollie, Prosperity, Rhoda, Sunfish & Sweden)

	Rates	Fringes
IRONWORKER		
Structural; Ornamental;		

Reinforcing; Precast
Concrete Erectors.....$ 31.79 24.30

IRON0103-004 08/01/2021

DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, OHIO, UNION & WEBSTER COUNTIES
BUTLER COUNTY (Townships of Aberdeen, Bancock, Casey, Dexterville, Dunbar, Elfie, Gilstrap, Huntsville, Logansport, Monford, Morgantown, Provo, Rochester, South Hill & Welchs Creek);
CALDWELL COUNTY (Northeastern third, including the Township of Creswell);
CHRISTIAN COUNTY (Northern third, including the Townships of Apex, Crofton, Kelly, Mannington & Wynns);
CRITTENDEN COUNTY (Northeastern half, including the Townships of Grove, Mattoon, Repton, Shady Grove & Tribune);
MUHLENBERG COUNTY (Townships of Bavier, Beech Creek Junction, Benton, Brennen, Browder, Central City, Cleaton, Depoy, Drakesboro, Eunis, Graham, Hillside, Luzerne, Lynn City, Martwick, McNary, Millport, Moorman, Nelson, Paradise, Powderly, South Carrollton, Tarina & Weir)

	Rates	Fringes
Ironworkers:.....	$ 30.00	25.29

IRON0492-003 05/01/2021

ALLEN, LOGAN, SIMPSON, TODD & WARREN COUNTIES
BUTLER COUNTY (Southern third, including the Townships of Boston, Berrys Lick, Dimple, Jetson, Quality, Sharer, Sugar Grove & Woodbury);
CHRISTIAN COUNTY (Eastern two-thirds, including the Townships of Bennettstown, Casky, Herndon, Hopkinsville, Howell, Masonville, Pembroke & Thompsonville);
EDMONSON COUNTY (Southern fourth, including the Townships of Chalybeate & Rocky Hill);
MUHLENBERG COUNTY (Southern eighth, including the Townships of Dunnior, Penrod & Rosewood)

	Rates	Fringes
Ironworkers:.....	$ 30.35	15.36

IRON0782-006 08/01/2021

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES
CALDWELL COUNTY (Southwestern two-thirds, including the Townships of Cedar Bluff, Cider, Claxton, Cobb, Crowtown, Dulaney, Farmersville, Fredonia, McGowan, Otter Pond & Princeton);
CHRISTIAN COUNTY (Western third, Excluding the Townships of Apex, Crofton, Kelly, Mannington, Wynns, Bennettstown, Casky, Herndon, Hopkinsville, Howell, Masonville, Pembroke & Thompsonville);
CRITTENDEN COUNTY (Southwestern half, including the Townships of Crayne, Dycusburg, Frances, Marion, Mexico, Midway, Sheridan & Told)

	Rates	Fringes

Ironworkers:

Projects with a total contract cost of $20,000,000.00 or above	$ 30.83	25.52
All Other Work	$ 29.24	23.22

LABO0189-005 07/01/2021

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL & MCCRACKEN COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 23.51	16.22
GROUP 2	$ 23.76	16.22
GROUP 3	$ 23.81	16.22
GROUP 4	$ 24.41	16.22

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

---

LABO0189-006 07/01/2021

ALLEN, BUTLER, CALDWELL, CHRISTIAN, DAVIESS, EDMONSON, HANCOCK,

HOPKINS, LOGAN, MCLEAN, MUHLENBERG, OHIO, SIMPSON, TODD, TRIGG & WARREN COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 23.51	16.22
GROUP 2	$ 23.76	16.22
GROUP 3	$ 23.81	16.22
GROUP 4	$ 24.41	16.22

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

---

LABO0561-001 07/01/2021

CRITTENDEN, HENDERSON, UNION & WEBSTER COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 24.01	16.60
GROUP 2	$ 24.26	16.60
GROUP 3	$ 24.31	16.60
GROUP 4	$ 24.91	16.60

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

---

PAIN0032-002 09/01/2020

BALLARD COUNTY

	Rates	Fringes
Painters:		
Bridges	$ 35.01	17.93
All Other Work	$ 32.71	17.93

Spray, Blast, Steam, High & Hazardous (Including Lead Abatement) and All Epoxy - $1.00 Premium

---

PAIN0118-003 06/01/2014

EDMONSON COUNTY:

	Rates	Fringes
Painters:		
Brush & Roller	$ 18.50	11.97
Spray, Sandblast, Power Tools, Waterblast & Steam		

Cleaning.....$ 19.50 11.97

PAIN0156-006 04/01/2022

DAVIESS, HANCOCK, HENDERSON, MCLEAN, OHIO, UNION & WEBSTER COUNTIES

	Rates	Fringes
Painters:		
BRIDGES		
GROUP 1	$ 28.45	18.98
GROUP 3	$ 29.45	18.98
GROUP 4	$ 30.70	18.98
ALL OTHER WORK:		
GROUP 1	$ 27.30	18.98
GROUP 2	$ 27.55	18.98
GROUP 3	$ 28.30	18.98
GROUP 4	$ 29.55	18.98

PAINTER CLASSIFICATIONS

GROUP 1 - Brush & Roller

GROUP 2 - Plasterers

GROUP 3 - Spray; Sandblast; Power Tools; Waterblast; Steamcleaning; Brush & Roller of Mastics, Creosotes, Kwinch Koate & Coal Tar Epoxy

GROUP 4 - Spray of Mastics, Creosotes, Kwinch Koate & Coal Tar Epoxy

---

* PAIN0500-002 06/01/2022

CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN, HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES:

	Rates	Fringes
Painters:		
Bridges	$ 29.25	15.30
All Other Work	$ 23.00	15.30

Waterblasting units with 3500 PSI and above - $.50 premium
Spraypainting and all abrasive blasting - $1.00 premium
Work 40 ft. and above ground level - $1.00 premium

PLUM0184-002 07/01/2021

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN and TRIGG COUNTIES

	Rates	Fringes
Plumber; Steamfitter	$ 37.16	19.03

PLUM0502-004 08/01/2021

ALLEN, BUTLER, EDMONSON, SIMPSON & WARREN

	Rates	Fringes
Plumber; Steamfitter	$ 38.07	20.78

PLUM0633-002 07/01/2021

DAVIESS, HANCOCK, HENDERSON, HOPKINS, LOGAN, MCLEAN, MUHLENBERG, OHIO, TODD, UNION & WEBSTER COUNTIES:

	Rates	Fringes
PLUMBER/PIPEFITTER	$ 33.17	19.30

TEAM0089-003 04/01/2020

ALLEN, BUTLER, EDMONSON, LOGAN, SIMPSON & WARREN COUNTIES

	Rates	Fringes
Truck drivers:		
Zone 1:		
Group 1	$ 20.82	23.49
Group 2	$ 21.00	23.49
Group 3	$ 21.08	23.49
Group 4	$ 21.10	23.49

GROUP 1 - Greaser; Tire Changer

GROUP 2 - Truck Mechanic; Single Axle Dump; Flat Bed; All Terrain Vehicles when used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Driver of Distributors

GROUP 3 - Mixer All Types

GROUP 4 - Winch and A-Frame when used in transporting materials; Ross Carrier; Fork Lift when used to transport building materials; Driver on Pavement Breaker; Euclid and Other Heavy Earth Moving Equipment; Low Boy; Articulator Cat; Five Axle Vehicle

---

TEAM0215-003 04/01/2020

DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO & WEBSTER COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1	$ 22.45	23.49
Group 2	$ 22.68	23.49
Group 3	$ 22.75	23.49
Group 4	$ 22.76	23.49

GROUP 1: Greaser, Tire Changer

GROUP 2: Truck Mechanic

GROUP 3: Single Axle Dump; Flat Bed; All Terrain Vehicle when

used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Driver of Distributors; Mixer All Types

GROUP 4: Euclid and other heavy earth moving equipment; Low Boy; Articulator Cat; 5 Axle Vehicle; Winch and A- Frame when used in transporting materials; Ross Carrier; Fork Lift when used to transport building materials; Driver on Pavement Breaker

---

TEAM0236-001 04/01/2020

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN,TODD & TRIGG COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1	$ 20.82	23.49
Group 2	$ 21.00	23.49
Group 3	$ 21.00	23.49
Group 4	$ 21.00	23.49
Group 5	$ 21.08	23.49

GROUP 1: Greaser, Tire Changer

GROUP 2: Truck Mechanic

GROUP 3: Single Axle Dump; Flat Bed; All Terrain Vehicle when used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Drivers of Distributors

GROUP 4: Euclid and other heavy earth moving equipment; Low Boy; Articulator Cat; Five Axle Vehicle; Winch and A-Frame when used in transporting materials; Ross Carrier

GROUP 5: Mixer All Types

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

==========

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO

is available at
https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those

classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board

U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION"

PROPOSAL BID ITEMS

Report Date 8/8/22

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	28,448.00	TON		$	
0020	00005		GEOGRID REINFORCEMENT FOR SUBGRADE	42,304.00	SQYD		$	
0030	00100		ASPHALT SEAL AGGREGATE	126.00	TON		$	
0040	00103		ASPHALT SEAL COAT	15.00	TON		$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22	2,581.00	TON		$	
0060	00214		CL3 ASPH BASE 1.00D PG64-22	3,026.00	TON		$	
0070	00216		CL3 ASPH BASE 1.00D PG76-22	3,152.00	TON		$	
0080	00309		CL2 ASPH SURF 0.50D PG64-22	2,590.00	TON		$	
0090	00332		CL3 ASPH SURF 0.50A PG76-22	3,309.00	TON		$	
0100	02602		FABRIC-GEOTEXTILE CLASS 1	42,304.00	SQYD		$	
0110	02676		MOBILIZATION FOR MILL & TEXT - GRAVES 1-26.01	1.00	LS		$	
0120	02677		ASPHALT PAVE MILLING & TEXTURING	3,167.00	TON		$	
0130	20071EC		JOINT ADHESIVE	16,118.00	LF		$	
0140	20362ES403		SHOULDER RUMBLE STRIPS-SAWED	29,944.00	LF		$	
0150	20550ND		SAWCUT PAVEMENT	6,058.00	LF		$	
0160	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	13.60	TON		$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0170	00001		DGA BASE	366.00	TON		$	
0180	00003		CRUSHED STONE BASE	40,091.00	TON		$	
0190	00071		CRUSHED AGGREGATE SIZE NO 57	2,127.00	TON		$	
0200	00078		CRUSHED AGGREGATE SIZE NO 2	31,132.00	TON		$	
0210	00100		ASPHALT SEAL AGGREGATE	1,176.00	TON		$	
0220	00103		ASPHALT SEAL COAT	145.00	TON		$	
0230	00212		CL2 ASPH BASE 1.00D PG64-22	7,946.00	TON		$	
0240	00214		CL3 ASPH BASE 1.00D PG64-22	88.00	TON		$	
0250	00216		CL3 ASPH BASE 1.00D PG76-22	124.00	TON		$	
0260	00301		CL2 ASPH SURF 0.38D PG64-22	2,374.00	TON		$	
0270	00309		CL2 ASPH SURF 0.50D PG64-22	1,546.00	TON		$	
0280	00326		CL3 ASPH SURF 0.50B PG76-22	1,337.00	TON		$	
0290	00332		CL3 ASPH SURF 0.50A PG76-22	5,360.00	TON		$	
0300	00440		ENTRANCE PIPE-15 IN	42.00	LF		$	
0310	00461		CULVERT PIPE-15 IN	1,677.00	LF		$	
0320	00462		CULVERT PIPE-18 IN	518.00	LF		$	
0330	00474		CULVERT PIPE-72 IN	44.00	LF		$	
0340	00521		STORM SEWER PIPE-15 IN	690.00	LF		$	
0350	00522		STORM SEWER PIPE-18 IN	244.00	LF		$	
0360	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM - GRAVES 1-26.01	1.00	LS		$	
0370	01202		PIPE CULVERT HEADWALL-15 IN	4.00	EACH		$	
0380	01310		REMOVE PIPE	402.00	LF		$	
0390	01480		CURB BOX INLET TYPE B	16.00	EACH		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0400	01505		DROP BOX INLET TYPE 5B	9.00	EACH		$	
0410	01511		DROP BOX INLET TYPE 5D	3.00	EACH		$	
0420	01517		DROP BOX INLET TYPE 5F	1.00	EACH		$	
0430	01585		REMOVE DROP BOX INLET	40.00	EACH		$	
0440	01634		CAP CURB BOX INLET	1.00	EACH		$	
0450	01650		JUNCTION BOX	13.00	EACH		$	
0460	01655		REMOVE JUNCTION BOX	1.00	EACH		$	
0470	01690		FLUME INLET TYPE 1	4.00	EACH		$	
0480	01691		FLUME INLET TYPE 2	87.00	EACH		$	
0490	01705		REMOVE CURB & GUTTER BOX INLET	12.00	EACH		$	
0500	01825		ISLAND CURB AND GUTTER	50.00	LF		$	
0510	01877		SPECIAL HEADER CURB	22,197.00	LF		$	
0520	01903		REMOVE CONCRETE ROLL CURB	23,419.00	LF		$	
0530	01955		CONC MEDIAN BARRIER TYPE 12C1	1,800.00	LF		$	
0540	01958		CONC MEDIAN BARRIER TYPE 12C1 TL3	157.00	LF		$	
0550	01959		CONC MEDIAN BARRIER TYPE 12C2 TL3	615.00	LF		$	
0560	01970		CONC MEDIAN BARRIER TYPE 12C TL3	260.00	LF		$	
0570	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	957.00	EACH		$	
0580	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	57.00	EACH		$	
0590	01985		DELINEATOR FOR BARRIER - YELLOW	93.00	EACH		$	
0600	02003		RELOCATE TEMP CONC BARRIER	34,908.00	LF		$	
0610	02014		BARRICADE-TYPE III	30.00	EACH		$	
0620	02091		REMOVE PAVEMENT	8,806.00	SQYD		$	
0630	02159		TEMP DITCH	11,611.00	LF		$	
0640	02160		CLEAN TEMP DITCH	5,806.00	LF		$	
0650	02165		REMOVE PAVED DITCH	1,740.00	SQYD		$	
0660	02200		ROADWAY EXCAVATION	29,450.00	CUYD		$	
0670	02220		FLOWABLE FILL	13.70	CUYD		$	
0680	02230		EMBANKMENT IN PLACE	103,473.00	CUYD		$	
0690	02242		WATER	376.00	MGAL		$	
0700	02262		FENCE-WOVEN WIRE TYPE 1	5,346.00	LF		$	
0710	02265		REMOVE FENCE	3,585.00	LF		$	
0720	02351		GUARDRAIL-STEEL W BEAM-S FACE	89,298.50	LF		$	
0730	02352		GUARDRAIL-STEEL W BEAM-D FACE	1,375.00	LF		$	
0740	02359		GUARDRAIL CONNECTOR TO CONC MED BARR	3.00	EACH		$	
0750	02360		GUARDRAIL TERMINAL SECTION NO 1	17.00	EACH		$	
0760	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	62.00	EACH		$	
0770	02365		CRASH CUSHION TYPE IX-A	10.00	EACH		$	
0780	02367		GUARDRAIL END TREATMENT TYPE 1	102.00	EACH		$	
0790	02369		GUARDRAIL END TREATMENT TYPE 2A	96.00	EACH		$	
0800	02381		REMOVE GUARDRAIL	98,156.00	LF		$	
0810	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	62.00	EACH		$	
0820	02396		REMOVE GUARDRAIL END TREATMENT	225.00	EACH		$	
0830	02429		RIGHT-OF-WAY MONUMENT TYPE 1	20.00	EACH		$	
0840	02432		WITNESS POST	20.00	EACH		$	
0850	02483		CHANNEL LINING CLASS II	1,944.00	TON		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0860	02484		CHANNEL LINING CLASS III	884.00	TON		$	
0870	02545		CLEARING AND GRUBBING - FULTON	1.00	LS		$	
0880	02545		CLEARING AND GRUBBING - GRAVES	1.00	LS		$	
0890	02545		CLEARING AND GRUBBING - HICKMAN	1.00	LS		$	
0900	02545		CLEARING AND GRUBBING 68.5 ACRES/ GRAVES 1-26.01	1.00	LS		$	
0910	02555		CONCRETE-CLASS B	36.99	CUYD		$	
0920	02562		TEMPORARY SIGNS	3,219.00	SQFT		$	
0930	02585		EDGE KEY	352.00	LF		$	
0940	02602		FABRIC-GEOTEXTILE CLASS 1	32,865.00	SQYD		$	
0950	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	4,978.00	SQYD	$2.00	$	$9,956.00
0960	02625		REMOVE HEADWALL	30.00	EACH		$	
0970	02650		MAINTAIN & CONTROL TRAFFIC - FULTON	1.00	LS		$	
0980	02650		MAINTAIN & CONTROL TRAFFIC - GRAVES	1.00	LS		$	
0990	02650		MAINTAIN & CONTROL TRAFFIC - GRAVES 1-26.01	1.00	LS		$	
1000	02650		MAINTAIN & CONTROL TRAFFIC - HICKMAN	1.00	LS		$	
1010	02653		LANE CLOSURE	35.00	EACH		$	
1020	02671		PORTABLE CHANGEABLE MESSAGE SIGN	16.00	EACH		$	
1030	02676		MOBILIZATION FOR MILL & TEXT - FULTON	1.00	LS		$	
1040	02676		MOBILIZATION FOR MILL & TEXT - GRAVES	1.00	LS		$	
1050	02676		MOBILIZATION FOR MILL & TEXT - HICKMAN	1.00	LS		$	
1060	02677		ASPHALT PAVE MILLING & TEXTURING	2,448.00	TON		$	
1070	02690		SAFELOADING	21.00	CUYD		$	
1080	02696		SHOULDER RUMBLE STRIPS	35,290.00	LF		$	
1090	02701		TEMP SILT FENCE	19,855.00	LF		$	
1100	02703		SILT TRAP TYPE A	93.00	EACH		$	
1110	02704		SILT TRAP TYPE B	90.00	EACH		$	
1120	02705		SILT TRAP TYPE C	90.00	EACH		$	
1130	02706		CLEAN SILT TRAP TYPE A	134.00	EACH		$	
1140	02707		CLEAN SILT TRAP TYPE B	134.00	EACH		$	
1150	02708		CLEAN SILT TRAP TYPE C	134.00	EACH		$	
1160	02709		CLEAN TEMP SILT FENCE	24,732.00	LF		$	
1170	02720		SIDEWALK-4 IN CONCRETE	2,372.00	SQYD		$	
1180	02726		STAKING - FULTON	1.00	LS		$	
1190	02726		STAKING - GRAVES	1.00	LS		$	
1200	02726		STAKING - GRAVES 1-26.01	1.00	LS		$	
1210	02726		STAKING - HICKMAN	1.00	LS		$	
1220	02775		ARROW PANEL	32.00	EACH		$	
1230	03171		CONCRETE BARRIER WALL TYPE 9T	49,908.00	LF		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1240	04935		TEMP SIGNAL - FULTON	1.00	LS		$	
1250	04935		TEMP SIGNAL - GRAVES	1.00	LS		$	
1260	04935		TEMP SIGNAL - HICKMAN	1.00	LS		$	
1270	04940		REMOVE LIGHTING -- GRAVES 1-26.01	1.00	LS		$	
1280	05950		EROSION CONTROL BLANKET	13,508.00	SQYD		$	
1290	05952		TEMP MULCH	288,758.00	SQYD		$	
1300	05953		TEMP SEEDING AND PROTECTION	218,263.00	SQYD		$	
1310	05963		INITIAL FERTILIZER	22.00	TON		$	
1320	05964		MAINTENANCE FERTILIZER	32.10	TON		$	
1330	05985		SEEDING AND PROTECTION	399,169.00	SQYD		$	
1340	05992		AGRICULTURAL LIMESTONE	269.30	TON		$	
1350	06401		FLEXIBLE DELINEATOR POST-M/W	307.00	EACH		$	
1360	06404		FLEXIBLE DELINEATOR POST-M/Y	219.00	EACH		$	
1370	06511		PAVE STRIPING-TEMP PAINT-6 IN	34,526.00	LF		$	
1380	06514		PAVE STRIPING-PERM PAINT-4 IN	9,669.00	LF		$	
1390	06542		PAVE STRIPING-THERMO-6 IN W	24,638.00	LF		$	
1400	06543		PAVE STRIPING-THERMO-6 IN Y	38,209.00	LF		$	
1410	06546		PAVE STRIPING-THERMO-12 IN W	4,258.00	LF		$	
1420	06567		PAVE MARKING-THERMO STOP BAR-12IN	304.00	LF		$	
1430	06592		PAVEMENT MARKER TYPE V-B W/R	108.00	EACH		$	
1440	06613		INLAID PAVEMENT MARKER-B W/R	380.00	EACH		$	
1450	08100		CONCRETE-CLASS A	91.02	CUYD		$	
1460	08150		STEEL REINFORCEMENT	4,650.00	LB		$	
1470	08904		CRASH CUSHION TY VI CLASS C	26.00	EACH		$	
1480	10020NS		FUEL ADJUSTMENT	107,773.00	DOLL	$1.00	$	$107,773.00
1490	10030NS		ASPHALT ADJUSTMENT	104,027.00	DOLL	$1.00	$	$104,027.00
1500	20318ES508		RELOCATE CONC BARRIER WALL	13,400.00	LF		$	
1510	20465EC		CLEAN CULVERT - GRAVES	1.00	LS		$	
1520	20521NS719		REMOVE BRIDGE END CONNECTOR	40.00	EACH		$	
1530	20550ND		SAWCUT PAVEMENT	11,435.00	LF		$	
1540	20738NS112		TEMP CRASH CUSHION	32.00	EACH		$	
1550	21288ND		CONCRETE MEDIAN BARRIER TYPE 12C2-50 IN	7,948.00	LF		$	
1560	21289ED		LONGITUDINAL EDGE KEY	41,452.00	LF		$	
1570	21600EN		SHEET PILING	4,533.00	LF		$	
1580	23274EN11F		TURF REINFORCEMENT MAT 1	52.00	SQYD		$	
1590	23322EC		AGGREGATE SIZE NO. 57	33.00	CUYD		$	
1600	23804EC		CONC MED BARRIER BOX INLET-TY 12A1	1.00	EACH		$	
1610	23839EC		REMOVE CONCRETE MEDIAN	490.00	SQYD		$	
1620	23976EC		CONC MED BARR BOX INLET TY 12A2-50 (MOD)	1.00	EACH		$	
1630	24489EC		INLAID PAVEMENT MARKER	1,753.00	EACH		$	
1640	24679ED		PAVE MARK THERMO CHEVRON	359.00	SQFT		$	
1650	24814EC		PIPELINE INSPECTION	4,245.00	LF		$	
1660	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	15.00	TON		$	
1670	40047		SODDING	92.00	SQYD		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1680	40074		ASPHALT LEVELING AND WEDGING	128.00	TON		$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1690	00078		CRUSHED AGGREGATE SIZE NO 2	9.00	TON		$	
1700	00462		CULVERT PIPE-18 IN	357.00	LF		$	
1710	00464		CULVERT PIPE-24 IN	237.00	LF		$	
1720	00466		CULVERT PIPE-30 IN	108.00	LF		$	
1730	00468		CULVERT PIPE-36 IN	356.00	LF		$	
1740	00470		CULVERT PIPE-48 IN	165.00	LF		$	
1750	00471		CULVERT PIPE-54 IN	55.00	LF		$	
1760	00521		STORM SEWER PIPE-15 IN	71.00	LF		$	
1770	00522		STORM SEWER PIPE-18 IN	107.00	LF		$	
1780	00528		STORM SEWER PIPE-36 IN	56.00	LF		$	
1790	01000		PERFORATED PIPE-4 IN	3,435.00	LF		$	
1800	01010		NON-PERFORATED PIPE-4 IN	352.00	LF		$	
1810	01020		PERF PIPE HEADWALL TY 1-4 IN	6.00	EACH		$	
1820	01028		PERF PIPE HEADWALL TY 3-4 IN	1.00	EACH		$	
1830	01032		PERF PIPE HEADWALL TY 4-4 IN	2.00	EACH		$	
1840	01204		PIPE CULVERT HEADWALL-18 IN	5.00	EACH		$	
1850	01208		PIPE CULVERT HEADWALL-24 IN	2.00	EACH		$	
1860	01210		PIPE CULVERT HEADWALL-30 IN	2.00	EACH		$	
1870	01212		PIPE CULVERT HEADWALL-36 IN	4.00	EACH		$	
1880	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		$	
1890	01440		SLOPED BOX INLET-OUTLET TYPE 1	2.00	EACH		$	
1900	01451		S & F BOX INLET-OUTLET-24 IN	3.00	EACH		$	
1910	01453		S & F BOX INLET-OUTLET-36 IN	1.00	EACH		$	
1920	01456		CURB BOX INLET TYPE A	2.00	EACH		$	
1930	01490		DROP BOX INLET TYPE 1	2.00	EACH		$	
1940	01493		DROP BOX INLET TYPE 2	1.00	EACH		$	
1950	01499		DROP BOX INLET TYPE 4	1.00	EACH		$	
1960	01511		DROP BOX INLET TYPE 5D	1.00	EACH		$	
1970	01650		JUNCTION BOX	2.00	EACH		$	
1980	01767		MANHOLE TYPE C	1.00	EACH		$	
1990	23610NC		CORED HOLE DRAINAGE BOX CON	4.00	EACH		$	
2000	24026EC		PIPE CULVERT HEADWALL-54 IN	1.00	EACH		$	

Section: 0004 - BRIDGE - I69 OVER CN RR - 038B00055

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2010	08435		JACK & SUPPORT BRIDGE SPAN (038B00055 NB & SB)	1.00	LS		$	
2070	21969NN		BEARING REPLACEMENT	40.00	EACH		$	
2080	22146EN		CONCRETE PATCHING REPAIR	280.00	SQFT		$	
2090	23032EN		BRIDGE BARRIER RETROFIT	2,155.50	LF		$	
2130	24981EC		BRIDGE CLEANING 038B00055 NB & SB	1.00	LS		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

Section: 0005 - BRIDGE - I69 OVER BAYOU DE CHEIN - 042B00170

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2140	08435		JACK & SUPPORT BRIDGE SPAN (042B00170 NB & SB)	1.00	LS		$	
2150	21969NN		BEARING REPLACEMENT	16.00	EACH		$	
2160	22146EN		CONCRETE PATCHING REPAIR	80.00	SQFT		$	
2170	23032EN		BRIDGE BARRIER RETROFIT	1,329.60	LF		$	
2180	23378EC		CONCRETE SEALING	6,607.80	SQFT		$	
2190	23386EC		JOINT SEAL REPLACEMENT	127.80	LF		$	
2200	24094EC		PARTIAL DEPTH PATCHING	24.40	CUYD		$	
2210	24981EC		BRIDGE CLEANING 042B00170 NB & SB	1.00	LS		$	

Section: 0006 - BRIDGE - I69 OVER BRUSH CREEK - 042B00173

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2240	08435		JACK & SUPPORT BRIDGE SPAN (042B00173 NB & SB)	1.00	LS		$	
2250	08504		EPOXY SAND SLURRY	51.80	SQYD		$	
2260	08526		CONC CLASS M FULL DEPTH PATCH	5.00	CUYD		$	
2270	08534		CONCRETE OVERLAY-LATEX	18.60	CUYD		$	
2280	08549		BLAST CLEANING	588.00	SQYD		$	
2290	08551		MACHINE PREP OF SLAB	537.00	SQYD		$	
2300	21969NN		BEARING REPLACEMENT	20.00	EACH		$	
2310	22146EN		CONCRETE PATCHING REPAIR	80.00	SQFT		$	
2320	23032EN		BRIDGE BARRIER RETROFIT	597.40	LF		$	
2330	23378EC		CONCRETE SEALING	2,664.00	SQFT		$	
2340	23386EC		JOINT SEAL REPLACEMENT	76.00	LF		$	
2350	24094EC		PARTIAL DEPTH PATCHING	12.60	CUYD		$	
2360	24981EC		BRIDGE CLEANING 042B00173 NB & SB	1.00	LS		$	

Section: 0007 - BRIDGE - I69 OVER OBION CREEK - 042B00176

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2370	08435		JACK & SUPPORT BRIDGE SPAN (042B00176 NB & SB)	1.00	LS		$	
2380	21969NN		BEARING REPLACEMENT	20.00	EACH		$	
2390	22146EN		CONCRETE PATCHING REPAIR	80.00	SQFT		$	
2400	23032EN		BRIDGE BARRIER RETROFIT	933.60	LF		$	
2410	23378EC		CONCRETE SEALING	4,163.40	SQFT		$	
2420	23386EC		JOINT SEAL REPLACEMENT	152.00	LF		$	
2430	24094EC		PARTIAL DEPTH PATCHING	20.80	CUYD		$	
2440	24981EC		BRIDGE CLEANING 042B00176 NB & SB	1.00	LS		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

Section: 0008 - BRIDGE - I69 OVER OPOSSUM - 042B00177

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2450	08435		JACK & SUPPORT BRIDGE SPAN (042B00177 NB & SB)	1.00	LS		$	
2460	21969NN		BEARING REPLACEMENT	20.00	EACH		$	
2470	22146EN		CONCRETE PATCHING REPAIR	80.00	SQFT		$	
2480	23032EN		BRIDGE BARRIER RETROFIT	945.00	LF		$	
2490	23378EC		CONCRETE SEALING	4,213.80	SQFT		$	
2500	23386EC		JOINT SEAL REPLACEMENT	215.00	LF		$	
2510	24094EC		PARTIAL DEPTH PATCHING	22.30	CUYD		$	
2520	24981EC		BRIDGE CLEANING 042B00177 NB & SB	1.00	LS		$	

Section: 0009 - BRIDGE - US51 OVER I69 - 038B00012

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2600	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
2620	24522EC		REPAIR ALUMINUM RAILING	1.00	LS		$	
2630	24522EC		REPAIR EROSION AT ABUTMENTS	1.00	LS		$	
2640	24981EC		BRIDGE CLEANING 038B00012	1.00	LS		$	

Section: 0010 - BRIDGE - KY307 OVER I69 - 038B00015

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2650	03298		EXPAN JOINT REPLACE 4 IN	100.20	LF		$	
2660	08526		CONC CLASS M FULL DEPTH PATCH	2.00	CUYD		$	
2670	22146EN		CONCRETE PATCHING REPAIR	8.00	SQFT		$	
2680	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
2690	24094EC		PARTIAL DEPTH PATCHING	9.80	CUYD		$	
2700	24981EC		BRIDGE CLEANING 038B00015	1.00	LS		$	

Section: 0011 - BRIDGE - KY2569 OVER HOLLAND - 053B00068

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2710	03298		EXPAN JOINT REPLACE 4 IN	60.00	LF		$	
2720	08526		CONC CLASS M FULL DEPTH PATCH	2.00	CUYD		$	
2730	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
2740	24094EC		PARTIAL DEPTH PATCHING	8.10	CUYD		$	
2750	24981EC		BRIDGE CLEANING 053B00068	1.00	LS		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

Section: 0012 - BRIDGE - KY94 OVER I69 - 053B00050

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2760	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
2780	24981EC		BRIDGE CLEANING 053B00050	1.00	LS		$	

Section: 0013 - BRIDGE - KY1529 OVER I69 - 053B00056

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2790	03298		EXPAN JOINT REPLACE 4 IN	52.60	LF		$	
2800	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
2810	24094EC		PARTIAL DEPTH PATCHING	7.00	CUYD		$	
2820	24981EC		BRIDGE CLEANING 053B00056	1.00	LS		$	

Section: 0014 - BRIDGE - KY1283 OVER I69 - 053B00102

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2830	03298		EXPAN JOINT REPLACE 4 IN	71.00	LF		$	
2840	03299		ARMORED EDGE FOR CONCRETE	71.00	LF		$	
2850	08504		EPOXY SAND SLURRY	196.80	SQYD		$	
2860	08526		CONC CLASS M FULL DEPTH PATCH	5.00	CUYD		$	
2870	08534		CONCRETE OVERLAY-LATEX	26.70	CUYD		$	
2880	08549		BLAST CLEANING	965.00	SQYD		$	
2890	08551		MACHINE PREP OF SLAB	769.00	SQYD		$	
2900	22146EN		CONCRETE PATCHING REPAIR	75.00	SQFT		$	
2910	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
2920	24094EC		PARTIAL DEPTH PATCHING	13.30	CUYD		$	
2930	24981EC		BRIDGE CLEANING 053B00102	1.00	LS		$	

Section: 0015 - BRIDGE - KY 1763 OVER I69 - 042B00171

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2940	03298		EXPAN JOINT REPLACE 4 IN	55.00	LF		$	
2950	03299		ARMORED EDGE FOR CONCRETE	55.00	LF		$	
2960	08504		EPOXY SAND SLURRY	155.70	SQYD		$	
2970	08526		CONC CLASS M FULL DEPTH PATCH	5.00	CUYD		$	
2980	08534		CONCRETE OVERLAY-LATEX	21.10	CUYD		$	
2990	08549		BLAST CLEANING	763.00	SQYD		$	
3000	08551		MACHINE PREP OF SLAB	607.00	SQYD		$	
3010	22146EN		CONCRETE PATCHING REPAIR	12.00	SQFT		$	
3020	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3030	24094EC		PARTIAL DEPTH PATCHING	8.40	CUYD		$	
3040	24981EC		BRIDGE CLEANING 042B00171	1.00	LS		$	

Section: 0016 - BRIDGE - GRISSOM RD OVER I69 - 042B000172

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3050	03298		EXPAN JOINT REPLACE 4 IN	63.50	LF		$	
3060	22146EN		CONCRETE PATCHING REPAIR	5.00	SQFT		$	
3070	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
3080	24094EC		PARTIAL DEPTH PATCHING	8.20	CUYD		$	

Section: 0017 - BRIDGE - KY944 OVER I69 - 042B00180

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3090	03298		EXPAN JOINT REPLACE 4 IN	58.80	LF		$	
3100	03299		ARMORED EDGE FOR CONCRETE	58.80	LF		$	
3110	22146EN		CONCRETE PATCHING REPAIR	64.00	SQFT		$	
3120	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
3130	24094EC		PARTIAL DEPTH PATCHING	9.10	CUYD		$	

Section: 0018 - BRIDGE - TATER/LATER HILL RD OVER I69 - 042B00175

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3140	03298		EXPAN JOINT REPLACE 4 IN	52.90	LF		$	
3150	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
3160	24094EC		PARTIAL DEPTH PATCHING	6.90	CUYD		$	
3170	24981EC		BRIDGE CLEANING 042B00175	1.00	LS		$	

Section: 0019 - BRIDGE - KY58 OVER I69 - 042B00096

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3180	03298		EXPAN JOINT REPLACE 4 IN	64.80	LF		$	
3190	03299		ARMORED EDGE FOR CONCRETE	64.80	LF		$	
3200	08504		EPOXY SAND SLURRY	170.40	SQYD		$	
3210	08526		CONC CLASS M FULL DEPTH PATCH	5.00	CUYD		$	
3220	08534		CONCRETE OVERLAY-LATEX	24.80	CUYD		$	
3230	08549		BLAST CLEANING	886.00	SQYD		$	
3240	08551		MACHINE PREP OF SLAB	716.00	SQYD		$	
3250	22146EN		CONCRETE PATCHING REPAIR	20.00	SQFT		$	
3260	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3270	24094EC		PARTIAL DEPTH PATCHING	9.90	CUYD		$	

Section: 0020 - BRIDGE - KY1748BW OVER I69 - 042B00128

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3280	03298		EXPAN JOINT REPLACE 4 IN	54.40	LF		$	
3290	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		$	
3300	24094EC		PARTIAL DEPTH PATCHING	7.30	CUYD		$	
3310	24981EC		BRIDGE CLEANING 042B00128	1.00	LS		$	

Section: 0021 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3320	06400		GMSS GALV STEEL TYPE A	886.00	LB		$	
3330	06405		SBM ALUMINUM PANEL SIGNS	3,838.00	SQFT		$	
3340	06406		SBM ALUM SHEET SIGNS .080 IN	743.00	SQFT		$	
3350	06407		SBM ALUM SHEET SIGNS .125 IN	649.00	SQFT		$	
3360	06410		STEEL POST TYPE 1	790.00	LF		$	
3370	06411		STEEL POST TYPE 2	380.00	LF		$	
3380	06451		REMOVE SIGN SUPPORT BEAM	28.00	EACH		$	
3390	06490		CLASS A CONCRETE FOR SIGNS	81.00	CUYD		$	
3400	20418ED		REMOVE & RELOCATE SIGNS	2.00	EACH		$	
3410	20419ND		ROADWAY CROSS SECTION	14.00	EACH		$	
3420	21373ND		REMOVE SIGN	82.00	EACH		$	
3430	21596ND		GMSS TYPE D	34.00	EACH		$	
3440	24631EC		BARCODE SIGN INVENTORY	256.00	EACH		$	

Section: 0022 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3450	04714		POLE 120 FT MTG HT HIGH MAST	11.00	EACH		$	
3460	04761		LIGHTING CONTROL EQUIPMENT	1.00	EACH		$	
3470	04797		CONDUIT-3 IN	2,082.00	LF		$	
3480	04800		MARKER	27.00	EACH		$	
3490	04820		TRENCHING AND BACKFILLING	10,531.00	LF		$	
3500	04940		REMOVE LIGHTING KY307	1.00	LS		$	
3510	04940		REMOVE LIGHTING KY339	1.00	LS		$	
3520	04940		REMOVE LIGHTING US51	1.00	LS		$	
3530	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	11.00	EACH		$	
3540	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	8.00	EACH		$	
3550	20410ED		MAINTAIN LIGHTING KY307	1.00	LS		$	

PROPOSAL BID ITEMS

Report Date 8/8/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3560	20410ED		MAINTAIN LIGHTING KY339	1.00	LS		$	
3570	20410ED		MAINTAIN LIGHTING US51	1.00	LS		$	
3580	21543EN		BORE AND JACK CONDUIT	2,082.00	LF		$	
3590	23161EN		POLE BASE-HIGH MAST	120.80	CUYD		$	
3600	24749EC		HIGH MAST LED LUMINAIRE	129.00	EACH		$	
3610	24851EC		CABLE-NO. 10/3C DUCTED	17,944.00	LF		$	

Section: 0023 - INTELLIGENT TRANSPORTATION SYSTEMS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3620	04797		CONDUIT-3 IN	255.00	LF		$	
3630	04800		MARKER	1.00	EACH		$	
3640	04820		TRENCHING AND BACKFILLING	1,815.00	LF		$	
3650	20257NC		SITE PREPARATION KY307	1.00	LS		$	
3660	20257NC		SITE PREPARATION KY339	1.00	LS		$	
3670	20257NC		SITE PREPARATION US51	1.00	LS		$	
3680	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	2.00	EACH		$	
3690	21058ND		WINCH LOWERING TOOL	3.00	EACH		$	
3700	21066ND		MODEL 336 ENCLOSURE	3.00	EACH		$	
3710	21071ND		DATA SURGE DEVICE	3.00	EACH		$	
3720	21079ND		TRANSFORMER 480/120	3.00	EACH		$	
3730	21489ND		RACK MOUNTED UPS	3.00	EACH		$	
3740	21543EN		BORE AND JACK CONDUIT	255.00	LF		$	
3750	22403NN		WEB CAMERA ASSEMBLY	3.00	EACH		$	
3760	23150NN		COMMUNICATION CABLE	180.00	LF		$	
3770	23151NN		POLE WITH LOWERING DEVICE	3.00	EACH		$	
3780	23157EN		TRAFFIC SIGNAL POLE BASE	15.00	CUYD		$	
3790	23944EC		ADVANCED GROUNDING SYSTEM	3.00	EACH		$	
3800	24851EC		CABLE-NO. 10/3C DUCTED	2,070.00	LF		$	

Section: 0024 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3810	02568		MOBILIZATION	1.00	LS		$	
3820	02569		DEMOBILIZATION	1.00	LS		$	

CONSTRUCTION PROJECT NO.

LETTING DATE

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FULTON / HICKMAN / GRAVES COUNTY
RECONSTRUCT ELEMENTS OF
PURCHASE PARKWAY
STA. 54+15.00 TO 1068+06.00

ESTIMATE OF QUANTITIES

BID ITEM CODE					08534	8510	08549	08551	08526	24094EC	08504	23378EC	03298	23386EC	03299	23032EN	22146EN	23949EC	21969NN	08435	24522	24522	24981EC
BID ITEM					Concrete Overlay – Latex	Remove Epoxy Bit Foreign Overlay	Blast Cleaning	Machine Prep. Slab	Conc. Class M Full Depth Patch	Partial Depth Patching	Epoxy Sand Slurry	Concrete Sealing	Expan. Joint Replacement 4.0 in	Joint Seal Replacement	Armored Edge For Concrete	Bridge Barrier Retrofit	Concrete Patching Repair	Replace Brgs. Bridge Cleaning and Prev. Maint.	Bearing Replacement	Jack And Support Bridge Span	Repair (Aluminum Rail)	Repair (Erosion At Abutments)	Bridge Cleaning Clear Vegitation
	M.P.	BRIDGE NAME	BRIDGE NO.	COUNTY	C.Y.	S.Y.	S.Y.	S.Y.	C.Y.	C.Y.	S.Y.	S.F.	L.F.	L.F.	L.F.	L.F.	S.F.	L.S.	EACH	L.S.	L.S.	L.S.	L.S.
I-69 CORRIDOR	1.781	I-69 OVER CN RR, NB	038B00055R	FULTON												1024.2	140		20	1			1
	1.781	I-69 OVER CN RR, SB	038B00055L	FULTON												1131.3	140		20	1			1
	9.082	I-69 OVER BAYOU DE CHEIN, NB	042B00170R	GRAVES						12.2		3303.9		63.9		664.8	40		8	1			1
	9.082	I-69 OVER BAYOU DE CHEIN, SB	042B00170L	GRAVES						12.2		3303.9		63.9		664.8	40		8	1			1
	12.8	I-69 OVER BRUSH CREEK, NB	042B00173R	GRAVES	18.6		588	537	5.0	6.3	51.8	1332.0				298.7	40		10	1			1
	12.8	I-69 OVER BRUSH CREEK, SB	042B00173L	GRAVES						6.3		1332.0		76		298.7	40		10	1			1
	16.8	I-69 OVER OBION CREEK, NB	042B00176R	GRAVES						10.4		2081.7		76		466.8	40		10	1			1
	16.8	I-69 OVER OBION CREEK, SB	042B00176L	GRAVES						10.4		2081.7		76		466.8	40		10	1			1
	17.8	I-69 OVER OPOSSUM CREEK, NB	042B00177R	GRAVES						11.8		2106.9		107.5		472.5	40		10	1			1
	17.8	I-69 OVER OPOSSUM CREEK, SB	042B00177L	GRAVES						10.5		2106.9		107.5		472.5	40		10	1			1
BRIDGE TOTALS					18.6		588	537	5.0	80.1	51.8	17649.0		570.8		5961.1	600		116	10			10

ESTIMATE OF QUANTITIES

BID ITEM CODE					08534	8510	08549	08551	08526	24094EC	08504	23378EC	03298	23386EC	03299	23032EN	22146EN	23949EC	21969NN	08435	24522	24522	24981EC
BID ITEM					Concrete Overlay – Latex	Remove Epoxy Bit Foreign Overlay	Blast Cleaning	Machine Prep. Slab	Conc. Class M Full Depth Patch	Partial Depth Patching	Epoxy Sand Slurry	Concrete Sealing	Expan. Joint Replacement 4.0 in	Joint Seal Replacement	Armored Edge For Concrete	Bridge Barrier Retrofit	Concrete Patching Repair	Replace Brgs. Bridge Cleaning and Prev. Maint.	Bearing Replacement	Jack And Support Bridge Span	Repair (Aluminum Rail)	Repair (Erosion At Abutments)	Bridge Cleaning Clear Vegitation
	M.P.	BRIDGE NAME	BRIDGE NO.	COUNTY	C.Y.	S.Y.	S.Y.	S.Y.	C.Y.	C.Y.	S.Y.	S.F.	L.F.	L.F.	L.F.	L.F.	S.F.	L.S.	EACH	L.S.	L.S.	L.S.	L.S.
LOCAL ROAD OVERPASSES	1.434	US 51 OVER I-69	038B00012N	FULTON														1			1	1	1
	2.578	KY 307 OVER I-69	038B00015N	FULTON					2	9.8			100.2				8.0	1					1
	4.146	KY 2569-HOLLAND RD. OVER I-69	053B00068N	HICKMAN					2	8.1			60.0					1					1
	5.122	KY 94 OVER I-69	053B00050N	HICKMAN														1					1
	6.533	KY 1529 OVER I-69	053B00056N	HICKMAN						7			52.6					1					1
	8.352	KY 1283 OVER I-69	053B00102N	HICKMAN	26.7		965	769	5	13.3	196.8		71.0		71.0		75.0	1					1
	10.186	KY 1763 OVER I-69	042B00171N	GRAVES	21.1		763	607	5	8.4	155.7		55.0		55.0		12.0	1					1
	11.428	GRISSOM RD. OVER I-69	042B00172N	GRAVES						8.2			63.5				5.0	1					
	12.607	KY 944 OVER I-69	042B00180N	GRAVES						9.1			58.8		58.8		64.0	1					
	15.302	TATER/LATER HILL RD. OVER I-69	042B00175N	GRAVES						6.9			52.9					1					1
	16.256	KY 58 OVER I-69	042B00096N	GRAVES	24.8		886	716	5	9.9	170.4		64.8		64.8		20.0	1					
	17.334	KY 1748W OVER I-69	042B00128N	GRAVES						7.3			54.4					1					1
BRIDGE TOTALS					72.6		2614	2092	19	88.0	522.9		633.2		249.6		184.0	12			1	1	9

INDEX OF SHEETS

Sheet No.	Description
S1	Title Sheet
S2	General Notes
S3	Bridge Barrier Retrofit
S4	Typical I-69 Bridge
S5	Typical Bridge over I-69

SPECIAL NOTES

SPECIAL PROVISIONS

STANDARD DRAWINGS

BJE-001-12	Neoprene Expansion Dams and Armored Edges

SPECIFICATIONS

2019 Standard Specifications for Road and Bridge Construction.

2017 AASHTO LRFD Bridge Design Specifications with Current Interims.

STATE OF KENTUCKY
MATTHEW R. WILLIAMS
29507
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE

DATE: FEBRUARY, 2022	CHECKED BY
DESIGNED BY: PETE SZAK	MATT WILLIAMS
DETAILED BY: PETE SZAK	MATT WILLIAMS

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY: **FULTON HICKMAN GRAVES**

ROUTE: **JPP.1-69**

CROSSING: **VARIOUS**

TITLE SHEET

ITEM NUMBER: **1-0026.00**

PREPARED BY: BFW ENGINEERING & TESTING (BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC.)

SHEET NO.: S1

DRAWING NO.: 0000

LETTING DATE

CONSTRUCTION PROJECT NO.

REVISED 8-4-2022

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FULTON / HICKMAN / GRAVES COUNTY
RECONSTRUCT ELEMENTS OF
PURCHASE PARKWAY
STA. 54+15.00 TO 1068+06.00

ESTIMATE OF QUANTITIES

	BID ITEM CODE				08534	8510	08549	08551	08526	24094EC	08504	23378EC	03298	23386EC	03299	23032EN	22146EN	23949EC	21969NN	08435	24522	24522	24981EC
	BID ITEM				Concrete Overlay – Latex	Remove Epoxy Bit Foreign Overlay	Blast Cleaning	Machine Prep. Slab	Conc. Class M Full Depth Patch	Partial Depth Patching	Epoxy Sand Slurry	Concrete Sealing	Expan. Joint Replacement 4.0 in	Joint Seal Replacement	Armored Edge For Concrete	Bridge Barrier Retrofit	Concrete Patching Repair	Replace Brgs. Bridge Cleaning and Prev. Maint.	Bearing Replacement	Jack And Support Bridge Span	Repair (Aluminum Rail)	Repair (Erosion At Abutments)	Bridge Cleaning Clear Vegitation
	M.P.	BRIDGE NAME	BRIDGE NO.	COUNTY	C.Y.	S.Y.	S.Y.	S.Y.	C.Y.	C.Y.	S.Y.	S.F.	L.F.	L.F.	L.F.	L.F.	S.F.	L.S.	EACH	L.S.	L.S.	L.S.	L.S.
I-69 CORRIDOR	1.781	I-69 OVER CN RR, NB	038B00055R	FULTON												1024.2	140		20	1			1
	1.781	I-69 OVER CN RR, SB	038B00055L	FULTON												1131.3	140		20	1			1
	9.082	I-69 OVER BAYOU DE CHEIN, NB	042B00170R	GRAVES						12.2		3303.9		63.9		664.8	40		8	1			1
	9.082	I-69 OVER BAYOU DE CHEIN, SB	042B00170L	GRAVES						12.2		3303.9		63.9		664.8	40		8	1			1
	12.8	I-69 OVER BRUSH CREEK, NB	042B00173R	GRAVES	18.6		588	537	5.0	6.3	51.8	1332.0				298.7	40		10	1			1
	12.8	I-69 OVER BRUSH CREEK, SB	042B00173L	GRAVES						6.3		1332.0		76		298.7	40		10	1			1
	16.8	I-69 OVER OBION CREEK, NB	042B00176R	GRAVES						10.4		2081.7		76		466.8	40		10	1			1
	16.8	I-69 OVER OBION CREEK, SB	042B00176L	GRAVES						10.4		2081.7		76		466.8	40		10	1			1
	17.8	I-69 OVER OPOSSUM CREEK, NB	042B00177R	GRAVES						11.8		2106.9		107.5		472.5	40		10	1			1
	17.8	I-69 OVER OPOSSUM CREEK, SB	042B00177L	GRAVES						10.5		2106.9		107.5		472.5	40		10	1			1
	BRIDGE TOTALS				18.6		588	537	5.0	80.1	51.8	17649.0		570.8		5961.1	600		116	10			10

ESTIMATE OF QUANTITIES

	BID ITEM CODE				08534	8510	08549	08551	08526	24094EC	08504	23378EC	03298	23386EC	03299	23032EN	22146EN	23949EC	21969NN	08435	24522	24522	24981EC
	BID ITEM				Concrete Overlay – Latex	Remove Epoxy Bit Foreign Overlay	Blast Cleaning	Machine Prep. Slab	Conc. Class M Full Depth Patch	Partial Depth Patching	Epoxy Sand Slurry	Concrete Sealing	Expan. Joint Replacement 4.0 in	Joint Seal Replacement	Armored Edge For Concrete	Bridge Barrier Retrofit	Concrete Patching Repair	Replace Brgs. Bridge Cleaning and Prev. Maint.	Bearing Replacement	Jack And Support Bridge Span	Repair (Aluminum Rail)	Repair (Erosion At Abutments)	Bridge Cleaning Clear Vegitation
	M.P.	BRIDGE NAME	BRIDGE NO.	COUNTY	C.Y.	S.Y.	S.Y.	S.Y.	C.Y.	C.Y.	S.Y.	S.F.	L.F.	L.F.	L.F.	L.F.	S.F.	L.S.	EACH	L.S.	L.S.	L.S.	L.S.
LOCAL ROAD OVERPASSES	1.434	US 51 OVER I-69	038B00012N	FULTON														1			1	1	1
	2.578	KY 307 OVER I-69	038B00015N	FULTON					2	9.8			100.2				8.0	1					1
	4.146	KY 2569-HOLLAND RD. OVER I-69	053B00068N	HICKMAN					2	8.1			60.0					1					1
	5.122	KY 94 OVER I-69	053B00050N	HICKMAN														1					1
	6.533	KY 1529 OVER I-69	053B00056N	HICKMAN						7			52.6					1					1
	8.352	KY 1283 OVER I-69	053B00102N	HICKMAN	26.7		965	769	5	13.3	196.8		71.0		71.0		75.0	1					1
	10.186	KY 1763 OVER I-69	042B00171N	GRAVES	21.1		763	607	5	8.4	155.7		55.0		55.0		12.0	1					1
	11.428	GRISSOM RD. OVER I-69	042B00172N	GRAVES						8.2			63.5				5.0	1					
	12.607	KY 944 OVER I-69	042B00180N	GRAVES						9.1			58.8		58.8		64.0	1					
	15.302	TATER/LATER HILL RD. OVER I-69	042B00175N	GRAVES						6.9			52.9					1					1
	16.256	KY 58 OVER I-69	042B00096N	GRAVES	24.8		886	716	5	9.9	170.4		64.8		64.8		20.0	1					
	17.334	KY 1748W OVER I-69	042B00128N	GRAVES						7.3			54.4					1					1
	BRIDGE TOTALS				72.6		2614	2092	19	88.0	522.9		633.2		249.6		184.0	12			1	1	9

INDEX OF SHEETS

SPECIAL NOTES

SPECIAL PROVISIONS

STANDARD DRAWINGS

BJE-001-12	Neoprene Expansion Dams and Armored Edges

SPECIFICATIONS

2019 Standard Specifications for Road and Bridge Construction.

2017 AASHTO LRFD Bridge Design Specifications with Current Interims.

STATE OF KENTUCKY
MATTHEW R. WILLIAMS
29507
LICENSED PROFESSIONAL ENGINEER

REVISION	DATE

DATE: FEBRUARY, 2022 — CHECKED BY
DESIGNED BY: PETE SZAK — MATT WILLIAMS
DETAILED BY: PETE SZAK — MATT WILLIAMS

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY: **FULTON HICKMAN GRAVES**

ROUTE: **JPP/I-69** — CROSSING: **VARIOUS**

TITLE SHEET

ITEM NUMBER: **1-0026.00**

PREPARED BY: BFW ENGINEERING & TESTING (BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC.)

SHEET NO.: S1

DRAWING NO.: 0000