



CALL NO. 305

CONTRACT ID. 252965

LAWRENCE COUNTY

FED/STATE PROJECT NUMBER FD04 064 0003 014-015

DESCRIPTION EAST MADISON STREET (KY 3)

WORK TYPE BRIDGE DECK RESTORATION & WATERPROOFING

PRIMARY COMPLETION DATE 11/1/2026

LETTING DATE: October 23,2025

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME October 23,2025. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

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PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 12

CONTRACT ID - 252965
FD04 064 0003 014-015
COUNTY - LAWRENCE
PCN - MB06400032501
FD04 064 0003 014-015

EAST MADISON STREET (KY 3) BRIDGE 064B00060N OVER LEVISA AND TUG FORK AT MP 15.00BRIDGE DECK
RESTORATION & WATERPROOFING SYP NO. 12-10160.
GEOGRAPHIC COORDINATES LATITUDE 38:06:59.00 LONGITUDE 82:36:00.00
ADT

COMPLETION DATE(S):

60 CALENDAR Days	APPLIES TO BRIDGE DECK RESTORATION WORK (SEE SPECIAL NOTE)
COMPLETED BY 11/01/2026	APPLIES TO ENTIRE CONTRACT (SEE SPECIAL NOTE)

CONTRACT NOTES

INSURANCE

Refer to Kentucky Standard Specifications for Road and Bridge Construction, current edition.

PROPOSAL ADDENDA

All addenda to this proposal must be applied when calculating bid and certified in the bid packet submitted to the Kentucky Department of Highways. Failure to use the correct and most recent addenda may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's electronic bidding software. The Bidder must download the bid file located on the Bid Express website (www.bidx.com) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

Joint venture bidding is permissible. All companies in the joint venture must be prequalified in one of the work types in the Qualifications for Bidders for the project. The bidders must get a vendor ID for the joint venture from the Division of Construction Procurement and register the joint venture as a bidder on the project. Also, the joint venture must obtain a digital ID from Bid Express to submit a bid. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. When prescribed in said directives, the contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom shall be contacted through their individual Protection Notification Center. Non-compliance with these directives can result in the enforcement of penalties.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by [KRS 14A.9-010](#) to obtain a certificate of authority to transact business in the Commonwealth ("certificate") from the Secretary of State under [KRS 14A.9-030](#) unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the

foreign entity is not required to obtain a certificate as provided in [KRS 14A.9-010](#), the foreign entity should identify the applicable exception. Foreign entity is defined within [KRS 14A.1-070](#).

For all foreign entities required to obtain a certificate of authority to transact business in the Commonwealth, if a copy of the certificate is not received by the contracting agency within the time frame identified above, the foreign entity's solicitation response shall be deemed non-responsive or the awarded contract shall be cancelled.

Businesses can register with the Secretary of State at <https://secure.kentucky.gov/sos/ftbr/welcome.aspx>.

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

Questions about projects during the advertisement should be submitted in writing to the Division of Construction Procurement. This may be done by email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

The deadline for posting answers will be 3:00 pm Eastern Daylight Time, the day preceding the Letting. Questions may be submitted until this deadline with the understanding that the later a question is submitted, the less likely an answer will be able to be provided.

The questions and answers will be posted for each Letting under the heading "Questions & Answers" on the Construction Procurement website (www.transportation.ky.gov/construction-procurement). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

HARDWOOD REMOVAL RESTRICTIONS

The US Department of Agriculture has imposed a quarantine in Kentucky and several surrounding states, to prevent the spread of an invasive insect, the emerald ash borer. Hardwood cut in conjunction with the project may not be removed from the state. Chipping or burning on site is the preferred method of disposal.

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

Identification of excess material sites and borrow sites shall be the responsibility of the Contractor. The Contractor shall be responsible for compliance with all applicable state and federal laws and may wish to consult with the US Fish and Wildlife Service to seek protection under Section 10 of the Endangered Species Act for these activities.

ACCESS TO RECORDS

The state agency certifies that it is in compliance with the provisions of KRS 45A.150, "Access to contractor's books, documents, papers, records, or other evidence directly pertinent to the contract." The Contractor, as defined in KRS 45A.030, agrees that the contracting agency, the

Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this agreement for the purpose of financial audit or program review. The Contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the agreement and shall be exempt from disclosure as provided in KRS 61.878(1)(c).

BOYCOTT PROVISIONS

If applicable, the contractor represents that, pursuant to [KRS 45A.607](#), they are not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade. **Note:** The term Boycott does not include actions taken for bona fide business or economic reasons, or actions specifically required by federal or state law.

If applicable, the contractor verifies that, pursuant to KRS 41.480, they do not engage in, and will not for the duration of the contract engage in, in energy company boycotts as defined by KRS 41.472.

LOBBYING PROHIBITIONS

The contractor represents that they, and any subcontractor performing work under the contract, have not violated the agency restrictions contained in [KRS 11A.236](#) during the previous ten (10) years, and pledges to abide by the restrictions set forth in such statute for the duration of the contract awarded.

The contractor further represents that, pursuant to [KRS 45A.328](#), they have not procured an original, subsequent, or similar contract while employing an executive agency lobbyist who was convicted of a crime related to the original, subsequent, or similar contract within five (5) years of the conviction of the lobbyist.

Revised: 1/1/2025

1.0 BUY AMERICA REQUIREMENT.

Follow the “Buy America” provisions as required by 23 U.S.C. § 313 and 23 C.F.R. § 635.410. Except as expressly provided herein all manufacturing processes of steel or iron materials including but not limited to structural steel, guardrail materials, corrugated steel, culvert pipe, structural plate, prestressing strands, and steel reinforcing bars shall occur in the United States of America, including the application of:

- Coating,
- Galvanizing,
- Painting, and
- Other coating that protects or enhances the value of steel or iron products.

The following are exempt, unless processed or refined to include substantial amounts of steel or iron material, and may be used regardless of source in the domestic manufacturing process for steel or iron material:

- Pig iron,
- Processed, pelletized, and reduced iron ore material, or
- Processed alloys.

The Contractor shall submit a certification stating that all manufacturing processes involved with the production of steel or iron materials occurred in the United States.

Produce, mill, fabricate, and manufacture in the United States of America all aluminum components of bridges, tunnels, and large sign support systems, for which either shop fabrication, shop inspection, or certified mill test reports are required as the basis of acceptance by the Department.

Use foreign materials only under the following conditions:

- 1) When the materials are not permanently incorporated into the project; or
- 2) When the delivered cost of such materials used does not exceed 0.1 percent of the total Contract amount or \$2,500.00, whichever is greater.

The Contractor shall submit to the Engineer the origin and value of any foreign material used.

2.0 – BUILD AMERICA, BUY AMERICA (BABA)

Contractor shall comply with the Federal Highway Administration (FHWA) Buy America Requirement in 23 C.F.R. § 635.410 and all relevant provisions of the Build America, Buy America Act (BABA), contained within the Infrastructure Investment and Jobs Act, Pub. L. No. 117-58, §§ 70901-52 enacted November 15, 2021. The BABA requires iron, steel, manufactured products, and construction materials used in infrastructure projects funded by federal financial assistance to be produced in the United States. Comply with 2 C.F.R § 184.

BABA permits FHWA participation in the Contract only if domestic steel and iron will be used on the Project. To be considered domestic, all steel and iron used, and all products manufactured from steel and iron must be produced in the United States and all manufacturing processes, including application of a coating, for these materials must occur in the United States. Coating includes all processes that protect or enhance the value of the material to which the coating is applied. This requirement does not preclude a minimal use of foreign steel and iron materials, provided the cost of such materials does not exceed 0.1% of the total contract amount under the Contract or \$2,500.00 whichever is greater.

BABA permits FHWA participation in the Contract only if all “construction materials” as defined in the Act are made in the United States. The Buy America preference applies to the following construction materials incorporated into infrastructure projects: non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables); glass (including optic glass); Fiber optic cable; optical fiber; lumber; engineered wood; and drywall. Contractor will be

required to use construction materials produced in the United States on this Project. The Contractor shall submit a certification stating that all construction materials are certified to be BABA compliant.

3.0 FINAL RULE – FHWA’S BUY AMERICA REGULATION TO TERMINATE GENERAL APPLICABILITY WAIVER FOR MANUFACTURED PRODUCTS

- **March 17, 2025** (effective date): For all Federal-aid projects obligated on or after March 15, 2025, all iron or steel products, as defined in § 635.410(c)(1)(iii), must comply with FHWA’s Buy America requirements for steel and iron in § 635.410(b). In addition, for all Federal-aid projects obligated on or after March 15, 2025, per § 635.410(c)(2), articles, materials, and supplies should be classified as an iron or steel product, a manufactured product, or another product as specified by law or in 2 CFR part 184 (such other products specified by law or in 2 CFR part 184 include “excluded materials” and “construction materials”); an article, material, or supply must not be considered to fall into multiple categories.
- **October 1, 2025:** The final assembly requirement will become effective for Federal-aid projects obligated on or after October 1, 2025. This means that, for manufactured product to be Buy America compliant, for Federal-aid projects obligated on or after October 1, 2025, final assembly of the manufactured product must occur in the United States.
- **October 1, 2026:** The 55 percent requirement will become effective for Federal-aid projects obligated on or after October 1, 2026. This means that, for manufactured product to be Buy America-compliant, for Federal-aid projects obligated on or after October 1, 2026, all manufactured products permanently incorporated into the project must both be manufactured in the United States (satisfy the final assembly requirement) and have the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States be greater than 55 percent of the total cost of all components of the manufactured product (satisfy the 55 percent requirement).

4.0 – ADDITIONAL REQUIREMENTS

The Contractor has completed and submitted, or shall complete and submit, to the Cabinet a Buy America/Build America, Buy America Certificate prior to the Cabinet issuing the notice to proceed, in the format below. After submittal, the Contractor is bound by its original certification.

A false certification is a criminal act in violation of 18 U.S.C. § 1001. The Contractor has the burden of proof to establish that it’s in compliance.

At the Contractor’s request, the Cabinet may, but is not obligated to, seek a waiver of Buy America requirements if grounds for the waiver exist under 23 C.F.R. § 635.410(c) or will comply with the applicable Buy America requirements if a waiver of those requirements is not available or not pursued by the Cabinet.

Please refer to the Federal Highway Administration’s Buy America webpage for more information.

[Buy America - Construction Program Guide - Contract Administration - Construction - Federal Highway Administration \(dot.gov\)](#)

Effective - June 26, 2025, Letting

BUY AMERICA / BUILD AMERICA, BUY AMERICA (ACT) MATERIALS CERTIFICATE OF COMPLIANCE

The Contractor hereby certifies that it will comply with all relevant provisions of the Build America, Buy America Act, contained within the Infrastructure Investment and Jobs Act, Pub. L. NO. 117-58, §§ 70901-52, the requirements of 23 U.S.C. § 313, 23 C.F.R. § 635.410 and 2 C.F.R § 184.

Date Submitted:_____

Contractor:_____

Signature:_____

Printed Name:_____

Title:_____

NOTE: THIS CERTIFICATION IS IN ADDITION TO ANY AND ALL REQUIREMENTS OUTLINED IN THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND/OR SPECIAL NOTES CONTAINED IN THE PROJECT PROPOSAL.

SPECIAL NOTE FOR RECIPROCAL PREFERENCE

RECIPROCAL PREFERENCE TO BE GIVEN BY PUBLIC AGENCIES TO RESIDENT BIDDERS

By reference, KRS 45A.490 to 45A.494 are incorporated herein and in compliance regarding the bidders residency. Bidders who want to claim resident bidder status should complete the Affidavit for Claiming Resident Bidder Status along with their bid in the electronic bidding software. Submittal of the Affidavit should be done along the bid in Bid Express.

April 30, 2018

SPECIAL NOTES
DISTRICT NO. 12
BRIDGE DECK RESTORATION AND WATERPROOFING
LAWRENCE COUNTY
CID 252965

FD04 064 0003 014-015

Lawrence County ~ KY 3 (East Madison Street) over Levisa/Tug Fork

Bridge 064 B00060N MP 15.00

Geographic Coordinates

Latitude 38° 06' 59.00" (38.1162)

Longitude -82° 36' 00.00" (-82.6000)

Description

2-Simple PCI -5-Cont. WSG-4-RCDG Spans-2-Cont. PCI 1231' – 5 Span Steel
Continuous Stringer/Multi Beam or Girder. Drawing No. 19592

**SPECIAL NOTES FOR BRIDGE DECK
RESTORATION AND WATERPROOFING**

SPECIAL NOTE FOR BRIDGE DECK RESTORATION AND WATERPROOFING
WITH CONCRETE OVERLAYS

SPECIAL NOTE FOR CONCRETE PATCHING

SPECIAL NOTE FOR CARBON FIBER WRAP

SPECIAL NOTE FOR PREVENATIVE MAINTENANCE

SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND PENALTIES ON
BRIDGE REPAIR CONTRACTS

SPECIAL NOTE FOR TRAFFIC CONTROL ON BRIDGE REPAIR CONTRACTS

SPECIAL NOTE FOR BRIDGE DECK RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS

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 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 prep the existing slab, (3) Complete full-depth and partial depth repairs as directed by the Engineer, (4) Repair/replace damaged and corroded reinforcing bars, (5) Place new concrete overlay and epoxy-sand slurry in accordance with Section 606, (6) Complete asphalt approach pavement, and (7) Any other work specified as part of this contract. All construction will be in accordance with Section 606 unless otherwise specified.

2. MATERIALS.

- A. Latex Concrete.** See Section 606.03.17.
- B. Class "M" Concrete.** Use either "M1" or "M2". See Section 601.
- C. Bituminous Asphalt.** Use CL2 ASPH SURF 0.38D PG64-22.
- D. Epoxy-Sand Slurry.** See Section 606.03.10.

3. CONSTRUCTION.

- A. Machine Preparation of Existing Slab.** Remove concrete from existing slab to a depth of at least ¼" below the existing surface, and remove all patches completely, in accordance with the requirements of Section 606.03.03.
- B. Partial Depth Slab Repair and Latex Overlay.** Remove areas determined to be unsound by the Engineer via hydro-demolition or via handheld jackhammers weighing less than 45lbs. in accordance with Section 606.02.10 D. Repair/Replace all damaged or severely corroded reinforcing bars prior to partial depth repair operation. The Department will not measure material removal and will consider this work incidental to the bid item "PARTIAL DEPTH PATCHING". Mix and place Latex Modified Concrete Overlay in accordance with Sections 606.03.08 and 606.03.17.
- C. Asphalt Approach Pavement.** Mill each existing asphalt approach to the distance indicated in the attached detailed drawings. Remove the bituminous material uniformly by making an edge key, so as to provide a smooth transition to the finished bridge when a new bituminous overlay of compacted depth of approximately 1½" is added to the approaches. The grinding depth may vary depending on the condition of the existing approach and final elevation of bridge end. Dispose of all removed material away from the site.
- D. Surface Texturing.** Texture the concrete surface of the overlay in accordance with Section 609.03.10.
- E. Pavement Markings.** Restore pavement markings to original patterns and/or as directed by the Engineer in accordance with Sections 713, 714 and 837. See Standard Drawings TPM-115 and TPM-207 Current Edition.
- F. Verifying Field Conditions.** The Contractor shall field verify all dimensions before ordering any material. New material that is unsuitable due to variation in existing structure shall be replaced at the Contractors expense.

- G. Damage to the Structure.** The Contractor shall bear all responsibility and expense for all damage to the structure during the repair work even to removal and replacement of a fallen span, should the fallen span result from the Contractor's actions.
4. **MEASUREMENT.** See Section 606 and the following:
- A. Latex Modified Concrete for Overlay.** The Department will measure the quantity in cubic yards using the theoretical volume as follows for the bridge:
$$064B00060N \quad (48,420 \text{ SF} \times 1.5'') = 224.2 \text{ CY}$$
 - B. Machine Prep of Slab, Blast Cleaning, Epoxy Sand Slurry and Bridge Overlay Approach Pavement.** The Department will measure the removal of the existing overlay in square yards.
 - C. Partial Depth Patching.** The Department will measure the quantity in cubic yards by deducting the theoretical volume of bridge deck overlay (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.
 - D. Concrete Class M Full Depth Patch and Concrete Latex Overlay.** The Department will measure the quantity in cubic yards.
 - E. Steel Reinforcement.** The Department will measure any reinforcing steel necessary for the partial or full depth patch in pounds.
 - F. Pave Striping-Perm 4 Inch., Pave Marking-R/R X Bucks 16 Inch., Pave Marker Thermo Stop Bar-24 Inch.** The Department will measure the quantity in lineal feet.
 - G. Pave Marking-Thermo R6.** The Department will measure the quantity as Each, completed and accepted.
5. **PAYMENT.** See Section 606 and the following
- A. Machine Prep of Slab (08551).** The Department will make payment for the machine preparation of the existing slab.
 - B. Partial Depth Patching (24094EC).** The Department will make payment for removing exiting materials, furnishing, and placing all new materials completed and accepted.
 - C. Concrete Class M Full Depth Patch (08526).** The Department will make payment for removing exiting materials, furnishing, and placing all new materials.
 - D. Blast Cleaning (08549).** The Department will make payment for blast cleaning all surfaces specified.
 - E. Epoxy Sand Slurry (08504).** The Department will make payment for furnishing and placing all new materials as specified.
 - F. Concrete Latex Overlay (08534).** The Department will make payment for furnishing and placing all new material as specified.
 - G. Steel Reinforcement (08150).** The Department will make payment for steel reinforcement, if necessary.
 - H. Asphalt Approach Pavement (03304).** The Department will make payment for removing existing materials, furnishing, and placing all new materials as specified.
 - I. Pave Striping-Perm 4 Inch (06514).** The Department will make payment for furnishing and placing permanent striping as specified.

- J. Pave Marking-Thermo R6. (06562), Pave Marking-R/R XBucks 16 Inch.(06563, Pave Marker Thermo Stop Bar-24 Inch. (06568** The Department will make payment for furnishing and placing permanent pavement markings as specified.

SPECIAL NOTE FOR CONCRETE PATCHING

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 detailed drawings for Steel Repairs. Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment, (2) Concrete Patching Repair (3) Any other work specified as part of this contract.

2. MATERIALS.

- A. Epoxy Resin.** Conform to Section 826.
- B. Mortar Sand.** Conform to Section 804.
- C. Sand for Epoxy Seal Coats.** Conform to Section 804.
- D. Epoxy Bond Coat.** See Section 511.
- E. Class "M" Concrete.** Use Class "M1". See Section 601.

3. CONSTRUCTION.

- A. Remove Deteriorated Concrete.** Prior to beginning the concrete repairs, provide safe access to the areas requiring concrete patching in accordance with Section 107.01.01, for the Engineer to sound possible repair areas. The Engineer will sound the concrete with a hammer and mark the areas of concrete to be removed and patched. All areas of deteriorated concrete found should be repaired as part of this work. Final payment for "Concrete Patching" and Concrete – Class M1 will be field-measured quantity of patching completed in accordance with the Note and as designated by the Engineer.

Remove specific areas of deteriorated concrete as shown on the plans, or as directed by the Engineer. The removal of the unsound material shall be accomplished with hand tools or pneumatic hammers that do not exceed twenty (20) pounds. Precaution shall be exercised to protect the underlying sound material. Saw, route or otherwise manipulate the sides of the patch so that the interface between the old concrete and the epoxy mortar or Class M1 Concrete are perpendicular. Remove all deteriorated loose concrete to at least three-quarters (3/4) inch beyond and steel reinforcement more than 50 percent exposed. Dispose of all removed material entirely away for the job site or as directed by the Engineer.

Extreme care shall be taken when removing the existing spalled or delaminated concrete so as not to damage the existing reinforcing steel. Completely clean all existing steel reinforcement encounter free of rust and leave in place. Wire brushing may be required to thoroughly clean the exposed reinforcement. Repair or replace any damaged steel reinforcement as directed by the Engineer at no additional cost to the Department. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04. The Contractor must consult the Engineer before removing any concrete that is directly below the beam bearings.

- B. Prepare Concrete Surfaces for Patching.** Prepare concrete surfaces to be patched in accordance with Section 510.03.01. Final blast cleaning shall be completed within twelve (12) hours prior to placement of the epoxy mortar patch or Class M1 Concrete. Verify all cleaning methods with the epoxy resin manufacturer's recommendations. Concrete must be sound, dry and clean prior to placement of epoxy resin prime coat.
 - C. Apply Epoxy Mortar for Patching.** For areas to be patched with epoxy mortar, place the epoxy resin prime coat and the epoxy mortar in accordance with Section 510.03.04. Any material used must be approved by the Engineer. Refer to the Kentucky Transportation Cabinet, Division of Materials' List of Approved Materials for currently approved material for vertical and overhead patching. Place epoxy mortar in accordance with the manufacturer's specification to restore the deteriorated areas to their original dimension as shown on the detailed drawings or as directed by the Engineer.
 - D. Apply Class M Concrete for Patching.** For areas to be patched with Class M1 Concrete, place the concrete in accordance with the standard specifications to restore the deteriorated areas to their original dimensions as shown on the detailed drawings or as directed by the Engineer. The surface areas of existing concrete to come in contact with the new Class M1 Concrete are to be coated with an epoxy bond coat immediately prior to placing the new concrete in accordance with Section 511. The interfaces of the new and old concrete shall be as nearly vertical and horizontal as possible.
 - E. Finish the Repaired Surface.** Rough the surface of the repaired areas to achieve uniformed surface texture. Remove any patch runs or spills from concrete surface.
 - F. Apply Epoxy Resin Seal Coat.** After the epoxy mortar or Class M1 Concrete has hardened for the amount of time specified by the manufacturer for curing, apply an additional coat of epoxy resin over the entire patch and on the adjacent old concrete a minimum of two (2) inches. Be sure to work the epoxy seal coat thoroughly into any cracks that may have developed in the patch or in the interface of the patch and the old concrete. Place masking tape on the old concrete prior to applying this sealing coat of epoxy resin to insure a neat line. Remove tape after the sealing coat has cured adequately.
- 4. MEASUREMENT.**
- A. Concrete Patching Repair.** The Department will measure the quantity in square feet.
Double Payment will not be made on both faces of corner repairs.
- 5. PAYMENT.**
- A. Concrete Patching Repair (22146EN).** Payment at the contract unit price per square feet is full compensation for the following: (1) Furnish all labor, materials, tools, equipment; (2) preparation of specified areas including removing and disposing of specified existing materials; (3) place, finish and cure new concrete patches; and (4) all incidentals necessary to complete the work as specified by this note and as shown on the attached detail drawings.

SPECIAL NOTE FOR CARBON FIBER REINFORCE POLYMER WRAP

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 detailed drawings for Steel Repairs. Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment, (2) Fiber Reinforce Polymer Wrap (3) Any other work specified as part of this contract.

2. MATERIALS.

One manufacture shall supply all material required for the Carbon Fiber Reinforced Polymer (CFRP) system. The manufacture shall be one of four listed below or approved equal for the CFRP strengthening and protection system.

Catstrong
Department of Civil Engineering and Kentucky Transportation Center
University of Kentucky
176 Raymond Building
Lexington, KY 40506

Tyfo Fiber Wrap System Fyfe Company, LLC
4995 Murphy Canyon Road Suite 110
San Diego, CA 92123

Master Brace System
BASF Corporation
889 Valley Park Drive
Shakopee, MN 553379

Quake Wrap
6840 S Tucson Blvd.
Tucson, AZ 85756

Polyester or other resins will not be permitted as a substitute to epoxy. Glass composite systems will not be permitted as a substitute to carbon composite systems

3. CONSTRUCTION.

A. Design CRFP System.

The CRFP system shall be designed by a Professional Engineer licensed in the State of Kentucky and must be submitted and approved by the Engineer prior to installation. Submittal information shall include

1. Manufacture's product data sheets and material test data.
2. Installation and maintenance instructions.
3. Drawings detailing the type, locations, dimension, number of layers, and orientations of all CFRP material to be installed.
4. The layout of the CFRP material to be installed.
5. Quality Control Plan.

B. Surface Preparation.

Concrete coatings and/or sealers are to be removed from the existing surfaces to the installer's satisfaction prior to the concrete cleaning and spall repair. Any deteriorated concrete is to be patched per Special Note for Concrete Patching, then cleaned and prepared to the installer's satisfaction prior to the installation of the CFRP system. The repaired concrete surfaces shall be allowed to cure a minimum of 14 days. The surfaces shall be cleaned and free of fins, depression or other conditions that affect the intended performance of the CFRP system. Corners perpendicular to the strong fiber direction shall be rounded to a minimum radius of $\frac{3}{4}$ ". The certified and experienced installer responsible shall verify that all required surface preparation has been completed properly and that the CFRP system is cleared for installation.

C. Composite Application.

The CFRP system shall only be installed by individuals certified in writing by the material supplier. The manufacturer shall be required to provide training to the crew that does the actual installation as well as construction oversight throughout the duration of the CFRP installation to ensure the material is applied according to their design and specific material requirements. The manufacturer must submit the name of the installer's company and provide a certification the installer meets the quality and experience requirements to perform the work with the bid documents. Reference of the installations including descriptions and contact information will be reviewed by the Engineer. Installers without the proper certifications, experience will not be permitted to complete this work.

Temperatures of the substrate to receive the composite, ambient temperatures and the temperature of the CFRP materials shall be between 50 degrees F and 95 degrees F at the time of mixing the epoxy. The CFRP system shall be applied when the relative humidity is less than 85% and the sub-straight temperature is more 5 degrees F above the dew point.

The manufacturer shall designate the proper mixing procedure for the epoxy resins. Apply a primer coating of epoxy to surfaces of the sub-straight to receive the CFRP system. Saturate the carbon fiber in a documented successful manner that ensures full saturation of the carbon fiber prior to the installation of the CFRP. Saturation of the carbon fiber in place is not permitted. Apply the CFRP to the prepared and primed sub-straight using method that proved a uniform tensile force over the width of the saturated carbon fabric. Strong fiber shall not deviate from the intended fiber direction

more the 1/2" per 12" length of composite. Inspection of the installed composite shall be completed prior to the curing of the CFRP to ensure all edges, seams and other areas are properly adhered. During this inspection process, releasing of entrapped air and other identified deficiencies shall be addressed.

After the CFRP system has been installed, use the thickened epoxy to detail all edges and seams to provide a smooth finish. Apply a final layer of thickened epoxy to the installed CFRP system for protection.

D. Coating System Application.

After the epoxy sets, yet prior to the application of the urethane top coat, all defects (including bubble, delamination and fabric tears) more the 1 square inch of the surface area, or as specified by the Engineer shall be repaired as such:

1. Small defects (on the order of 6" diameter) shall be injected of back filled with epoxy.
2. Bubbles less than 12" in diameter shall be repaired by injecting the epoxy. Two holes shall be drilled into the bubble to allow injection of the epoxy and escape of the entrapped air.
3. Bubbles, delamination and fabric tears greater than 12" in diameter shall be repaired by removing and reapplying the required number of layers of the composite and the required finish coatings. All repairs shall be approved by the Engineer.
4. The urethane top coat shall then be applied to the final epoxy coat, as determined by the manufacture.

E. Quality Control.

Installer must follow the quality control manual for the installation of the CFRP systems, produced by the manufacturer.

4. MEASUREMENT.

A. FRP Wrap. The Department will measure the quantity by square footage covered. The number of layers will not be counted.

5. PAYMENT.

A. FRP Wrap (25015EC). Payment at the contract unit price per square feet is full compensation CFRP design, materials, installation and all incidental items necessary to complete the work accordance with this Special Note attached Detail Drawings.

SPECIAL NOTE FOR PREVENTIVE MAINTENANCE

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 Attached Detailed Drawings. Section references are to the Standard Specifications. This work consists of the following: (1) Furnish all labor, materials, tools, and equipment, (2) Bridge Cleaning, (3) Concrete Coatings (4) Bearing Lubrication (5) Any other work specified as part of this contract.

2. MATERIALS.

A. Wash Water

Use clean potable water for all pressure washing.

B. Concrete Coatings

See The Division of Material's list of approved materials for concrete coatings and Section 821.

C. Bearing Lubricant

Use one of the lubricants from the following manufactures:

Manufacture	Lubricant
Bostik Inc.,	Never Seez - Mariner's Choice
Mobil Oil	Mobil Centaur Moly NLGI Grades 1 or 2
Certified Labs	Premalube #1 WG

3. CONSTRUCTION.

A. Bridge Cleaning.

All debris shall be removed from the bridge components. See attached detailed drawings addressing components having debris removal. Equipment for removing debris from the bridge components shall be determined by the Contractor, subject to the approval of the Engineer. The Contractor shall prevent any debris from entering any body of water, bridge drainage system, or traffic lanes. All debris removed shall be disposed of in a suitable off-site disposal facility. All vegetation present at areas of the bridge that are to be addressed in this proposal shall be removed as determined by the Engineer.

All cost to complete Debris Removal and Remove Vegetation as specified shall be included in the Lump Sum price for "Bridge Cleaning".

B. Stratified and Pack Rust Removal.

Stratified and pack rust shall be removed from all bearing devices and specified limits of beams. All existing bearing lubrication shall be removed. 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. **All cost to complete Stratified, Pack Rust Removal shall be considered incidental to the unit price bid for "Lubricate Bearing".**

C. Pressure Washing.

Specified bridge components shall be pressure washed. See attached detailed drawings addressing components to be pressure washed. All equipment for pressure washing shall be operated at a minimum pressure of up 4,000 psi with 0-degree spinner tip 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. Perform all pressure washing at temperatures above 40 degrees Fahrenheit. **All cost to complete Pressure Washing as specified shall be included in the Lump Sum price for “Bridge Cleaning”.**

D. Concrete Coatings Application.

Specified bridge components shall have concrete coating applied to as specified after bridge cleaning. See attached detailed drawings for addressing the bridge components. Use compressed air to remove any loose debris from the surfaces that are to be coated after power washing. See concrete coating diagram. All coatings shall be applied within manufacturers recommended dry film thickness range. For recommended conditions for application, see Section 614.03.02 and coatings supplier specifications. Allow the surfaces to be coated to dry before any coating is applied. The coating must be applied to a clean and dry surface. All coating application shall be executed using brushes, rollers, etc. No spray application will be permitted. The Department requires acceptance testing of samples obtained on a per-lot basis per-shipment. The Division of Materials will perform acceptance testing. See Section 821.04. The finish coat shall be Light Gray for Concrete. See Section 821.02. **All cost to complete Concrete Coating Application as specified shall be included in the Lump Sum price for “Concrete Coatings”.**

E. Bearing Lubrication Application.

Bearing devices shall be lubricated as specified 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. See attached detailed drawings for each bridge showing location and quantity of the bearing devices. Allow bearing devices to dry before lubricant is applied. Perform all bearing lubrication application at temperatures above 40 degrees Fahrenheit or in accordance with manufactures specifications. **All cost to complete Bearing Lubrication Application as specified shall be included in the unit price Each for “Lubricate Bearing”.**

F. Sequence of Work.

Complete work in the sequence listed below:

1. Debris Removal
2. Stratified Rust Removal
3. Pressure Washing
4. Concrete Coating Application
- 5.. Bearing Lubrication Application

G. Inspection.

The Cabinet will provide inspection for all items required in this contract. Visual inspection will be required upon completion of each work item for each structure component or at the discretion of the Engineer at any time. All visual inspection shall be performed within arm's length distance.

1. **Debris Removal:** Visual Inspection.
2. **Stratified Rust or Pack Rust Removal:** Visual Inspection and Scraper
Test any surface cleaned to SSPC SP2 will be inspected by a dull scraper test to ascertain adherence of existing coating and a hammer test for tightness of pact rust.
3. **Power Washing:** Visual Inspection.
4. **Concrete Coating:**
Prime Coat Application Check for wet film thickness*, and defects in the Paint.
Finish Coat Application Check for wet film thickness*, paint appearance, color and quality of application.
5. **Bearing Lubrication.** Visual Inspection.

H. Verifying Field Conditions.

The Contractor shall be familiar with all conditions at each bridge site. The Cabinet will not consider any claims due to the Contractor having not familiarized themselves with requirements of this work.

I. 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.

J. 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.

4. MEASUREMENT.

A. Bridge Cleaning.

The Cabinet will measure this item by Lump Sum, completed and accepted.

B. Concrete Coating.

The Cabinet will measure this item by Lump Sum, completed and accepted.

C. Bearing Lubrication: The Cabinet will measure this item by Each, completed and accepted.

5. PAYMENT.

A. Bridge Cleaning (24981EC).

Payment at the contract unit price for “Lump Sum” is full compensation for Debris Removal, Deck Drain Cleaning, Pressure Washing and all incidental items required to complete this work as specified in this note and attached detailed drawings.

B. Concrete Coating (24982EC).

Payment at the contract unit price for “Lump Sum” is full compensation for applying the concrete coatings and all incidental items required to complete this work as specified in this note and attached detailed drawings.

C. Bearing Lubrication (24983EC): Payment at the contract unit price “Each” is full compensation for applying bearing lubrication and all incidental items required to complete this work as specified in this note and attached detailed drawings.

**SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND
PENALTIES ON BRIDGE REPAIR CONTRACTS**

- 1. COMPLETION DATE.** The Contractor has the option of selecting the starting date for this Contract. Once selected, notify the Department in writing of the date selected at least two weeks prior to beginning work. All work is to be completed by the date listed below. An allotted number of Calendar days are assigned to the structure in this contract as shown below.

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
Bridge Deck Restoration Work	60	November 1, 2026
All other Work		November 1, 2026

Contrary to Section 108.07.03, the Engineer will begin charging calendar days for a structure on the day the Contractor starts work or sets up traffic control on that particular structure. A **penalty of \$500.00 per day** will be assessed when the allotted number of calendar days is exceeded for each structure.

All construction must be completed in accordance with the weather limitations specified in Section 606 and/or Section 601 as applicable. No extension of Contract time will be granted due to inclement weather or temperature limitations that occur due to starting work on the Contract or a structure late in the construction season.

SPECIAL NOTE FOR TRAFFIC CONTROL ON BRIDGE REPAIR CONTRACTS

1. TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the Standard Specifications (current edition), Section 112. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic". Contrary to Section 106.01, traffic control devices used on this project may be new or used in new condition, at the beginning of the work and maintained in like new condition until completion of the work.

2. TRAFFIC COORDINATOR

Furnish a Traffic Coordinator as per Section 112. The Traffic Coordinator shall inspect the project maintenance of traffic, at least three times daily, or as directed by the Engineer, during the Contractor's operations and at any time a lane closure is in place. The personnel shall have access on the project to a radio or telephone to be used in case of emergencies or accidents. The Traffic Coordinator shall report all incidents throughout the work zone to the Engineer on the project. The Contractor shall furnish the name and telephone number where the Traffic Coordinator can be contacted at all times.

3. SIGNS

Contrary to Section 112.04.02, only long-term signs (sign intended to be continuously in place for more than 3 days) will be measured for payment; short term signs (signs intended to be left in place for 3 days or less) will not be measured for payment but will be incidental to Maintain and Control Traffic.

The contractor is to install warning signs for wide loads in advance of the bridge under the direction of the Engineer. The Department will not measure installation, maintenance, or removal for payment, and will consider these incidentals to Maintain and Control Traffic.

4. TEMPORARY PAVEMENT STRIPING

Skip lines and/or solid lines through the length of the tapers for lane closures and other striping as directed by the Engineer shall be temporarily covered with 6" black removable tape. Permanent removal of all other pavement striping for traffic control shall be considered incidental to Maintain and Control Traffic. Temporary pavement striping shall be paid only once per course in accordance with Section 112.04.07. The Contractor shall replace any temporary striping that becomes damaged or fails to adhere to the pavement before dark on the day of the notification. **A penalty of \$500.00 per day will be assessed** for failing to replace temporary striping within this time limit.

5. PROJECT PHASING & CONSTRUCTION PROCEDURES

Maintain one lane of traffic on each bridge at all times in accordance with Standard Drawing Nos. TTC-100 and TTC-110. The minimum clear lane width required is as follows:

Structure
064B00060N

Clear Lane Width
12'-0"

6. TEMPORARY SIGNAL

Provide, install, and maintain a temporary traffic signal as specified below. The Contractor must provide a 24-hour contact person and number available to maintain the temporary signals as needed.

Structure
064B00060N

Signal
Multi Phase

7. LANE CLOSURES.

Long term lane closure using multi-phase signals shall be used for all bridge deck restoration work (latex overlay, expansion joint, asphalt approach pavement and all other items for this work).

Single lane closures will be permitted for all other work (Concrete Patching, Carbon Fiber Wrap, Preventive Maintenance and all other incidental items for this work). These lane closures must be removed when not working.

8. MEASUREMENT.

Temporary Signs:

The Cabinet will measure this item by "Square Feet".

Maintain and Control Traffic:

The Cabinet will measure this item by "Lump Sum".

Lane Closure, and Temp Signal Multi Phase:

The Cabinet will measure this item by "Each".

Pave Striping-Temp Rem Tape-B, W, and Y:

The Department will measure the quantity in "Linear Feet".

9. PAYMENT.

Temporary Signs (02562):

Payment at the contract unit price for "Square Feet" is full compensation for all items to complete this work as specified.

Maintain and Control Traffic (02650):

Payment at the contract unit price for "Lump Sum" is full compensation for all items to complete this work as specified.

Lane Closure (02653) and Temp Signal Multi Phase (04933):

Payment at the contract unit price "Each" is full compensation for all items to complete this work as specified.

Pave Striping-Temp Rem Tape-B (06549), W (06550), and Y (06551):

Payment at the contract unit price "Lineal Feet" is full compensation for all items to complete this work as specified.

Special Note for Bridge Demolition, Renovation and Asbestos Abatement

If the project includes any bridge demolition or renovation, the successful bidder is required to notify Kentucky Division for Air Quality (KDAQ) via filing of form (DEP 7036) a minimum of 10 working days prior to commencement of any bridge demolition or renovation work.

Any available information regarding possible asbestos containing materials (ACM) on or within bridges to be affected by the project has been included in the bid documents. These are to be included with the Contractor's notification filed with the KDAQ. If not included in the bid documents, the Department will provide that information to the successful bidder for inclusion in the KDAQ notice as soon as possible. If there are no documents stating otherwise, the bidders should assume there are no asbestos containing materials that will in any way affect the work.



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 406 01

Jim Gray
SECRETARY

Asbestos Inspection Survey

To: Brad Poole

District: Central Office

Date: October 21, 2024

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: CID 242941

Structure ID: Lawrence 064B00060N

Structure Location: KY-3 over Levisa/Tug Fork

Sample Description: Any suspect materials collected were negative for asbestos.

Inspection Date: October 9, 2024

Results and Recommendations

This asbestos survey was performed in accordance with the current USEPA regulations, specifically [40 CFR Part 61](#), Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) revision, final rule effective November 20, 1990.

The results of the samples collected were negative for the presence of asbestos above 1%. No abatement is required at this time. However, the [OSHA Standard 1926.1101](#) applies if any level of asbestos is present in the samples collected.

It is recommended that this report accompany the 10-Day Notice of Intent for Demolition ([Notification Form DEP 7036](#)) which is to be submitted to the Kentucky Division of Air Quality prior to abatement, demolition, or renovation of any building or structure in the Commonwealth. This form can be submitted electronically at the [EEC Forms Homepage](#)

AJHA #1 02459



Chain of Custody Record

Kentucky Transportation Cabinet

200 Mero Street, 4th Floor West

Frankfort, Kentucky 40622

(502) 564-7250 fax (502) 564-5655

[illegible]

ENVIRONMENTAL TRAINING CONCEPTS, INC
P.O. Box 99603 Louisville, KY 40269
(502)640-2951

Certification Number: ETC-AIR-031324-00278

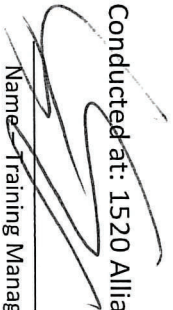
O'Dail Lawson

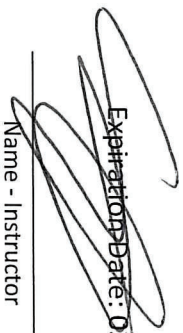
has on 03-13-2024 attended and successfully completed the requirements and passed the examination with a score of 70% or better on the entitled course.

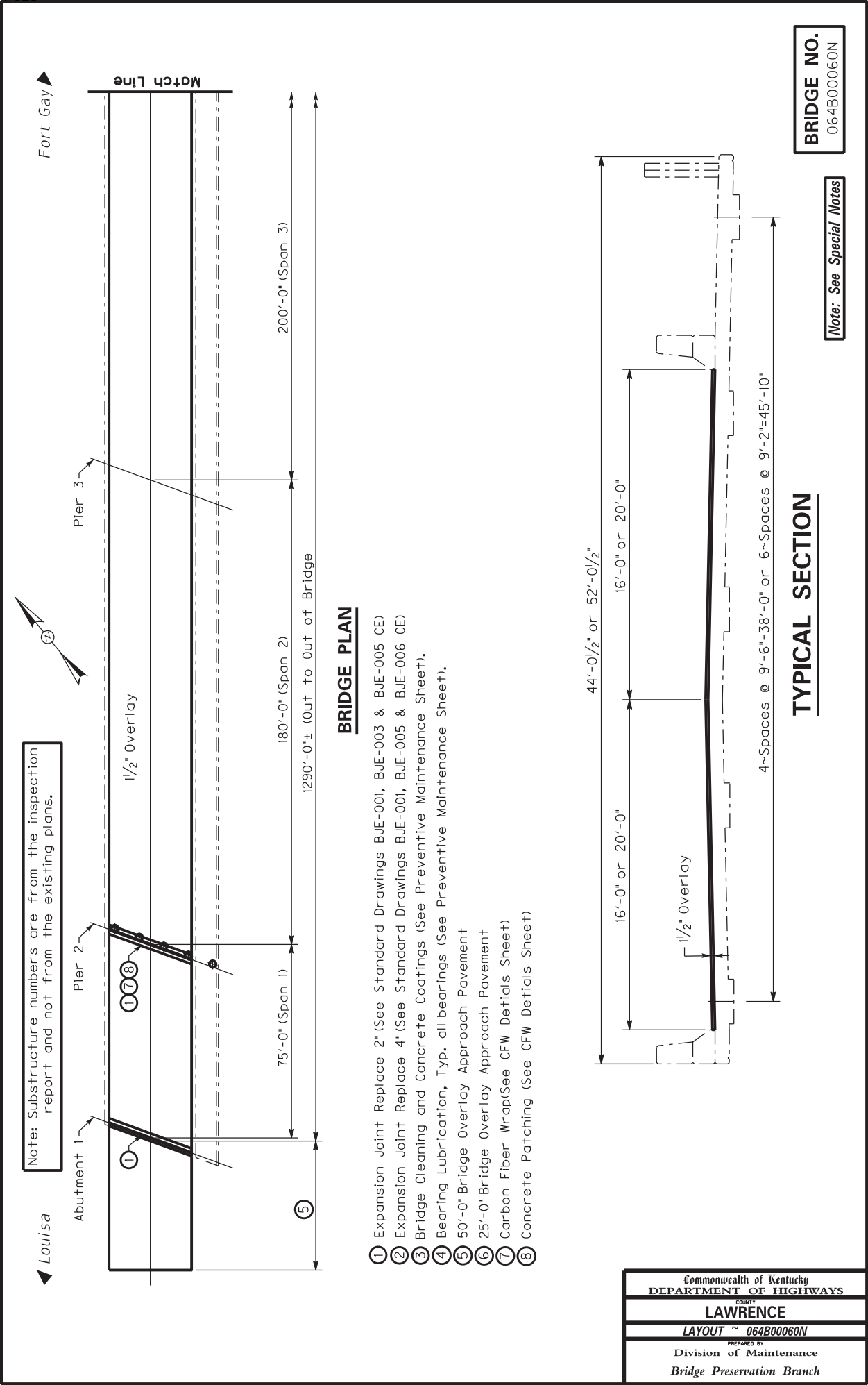
ASBESTOS INSPECTOR REFRESHER

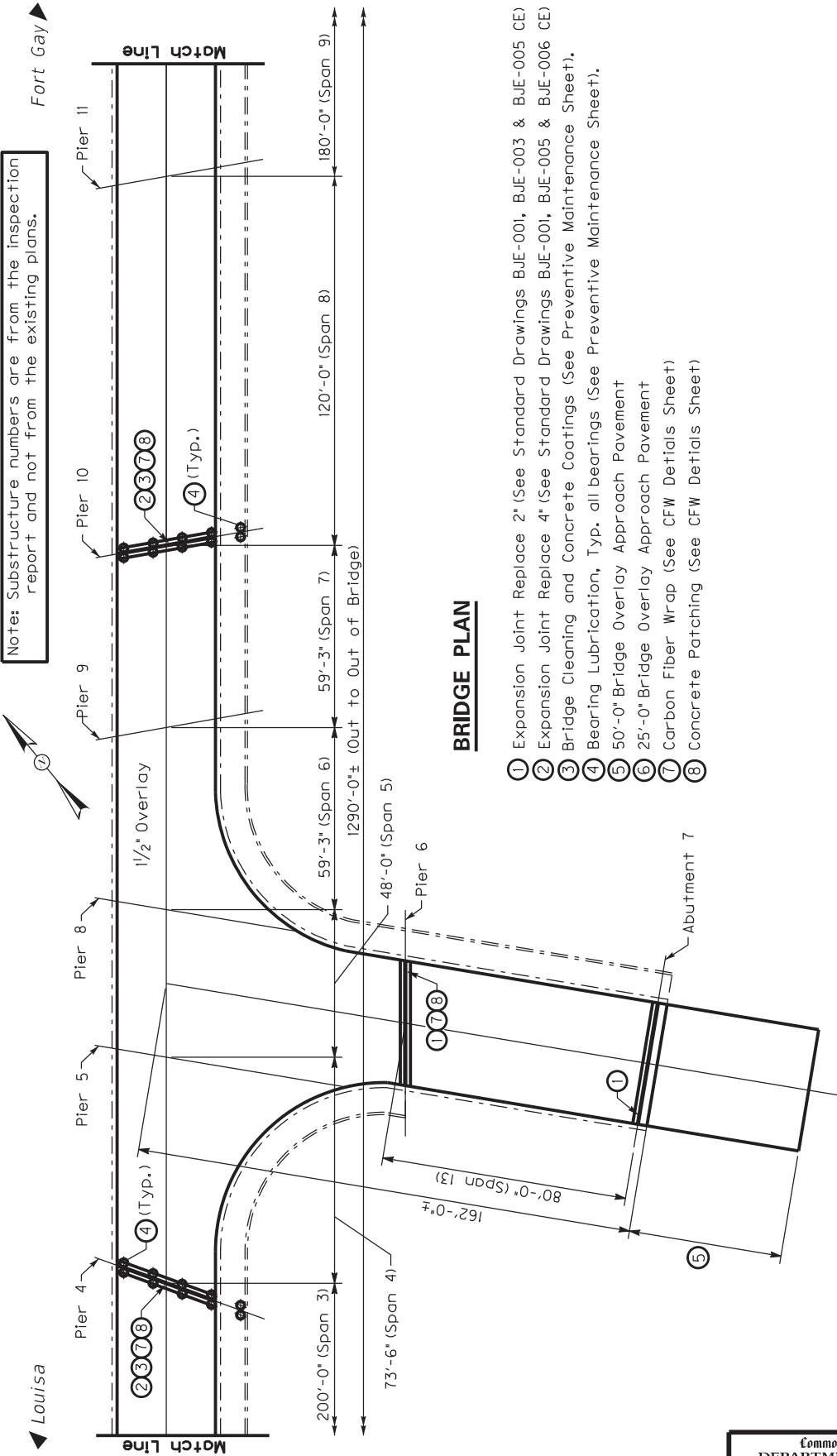
Training was in accordance with 40 CFR Part 763 (AHERA) approved by the Commonwealth of Kentucky, the Indiana Department of Environmental Management, Tennessee Department of Environment & Conservation and The Arkansas Department of Environmental Quality. The above student received requisite training for Asbestos Accreditation under Title II of the Toxic Substance Act (TSCA).

Conducted at: 1520 Alliant Ave., Louisville, KY


Name - Training Manager


Expiration Date: 03-13-2025
Name - Instructor





BRIDGE PLAN

- 1 Expansion Joint Replace 2" (See Standard Drawings BJE-001, BJE-003 & BJE-005 CE)
- 2 Expansion Joint Replace 4" (See Standard Drawings BJE-001, BJE-005 & BJE-006 CE)
- 3 Bridge Cleaning and Concrete Coatings (See Preventive Maintenance Sheet).
- 4 Bearing Lubrication, Typ. all bearings (See Preventive Maintenance Sheet).
- 5 50'-0" Bridge Overlay Approach Pavement
- 6 25'-0" Bridge Overlay Approach Pavement
- 7 Carbon Fiber Wrap (See CFW Details Sheet)
- 8 Concrete Patching (See CFW Details Sheet)

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

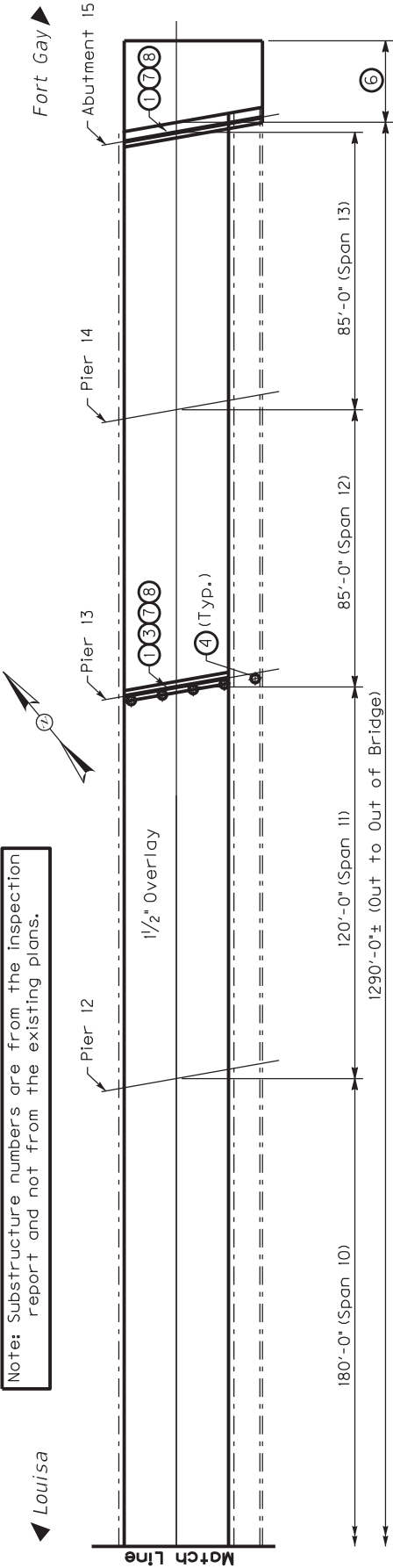
COUNTY
LAWRENCE

LAYOUT ~ 064B00060N

PREPARED BY
Division of Maintenance
Bridge Preservation Branch

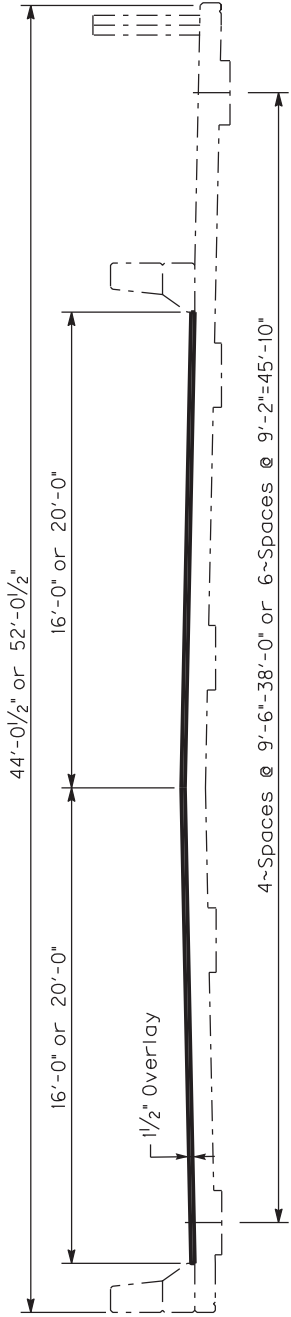
BRIDGE NO.
064B00060N

Note: See Special Notes



BRIDGE PLAN

- ① Expansion Joint Replace 2" (See Standard Drawings BJE-001, BJE-003 & BJE-005 CE)
- ② Expansion Joint Replace 4" (See Standard Drawings BJE-001, BJE-005 & BJE-006 CE)
- ③ Bridge Cleaning and Concrete Coatings (See Preventive Maintenance Sheet).
- ④ Bearing Lubrication, Typ. all bearings (See Preventive Maintenance Sheet).
- ⑤ 50'-0" Bridge Overlay Approach Pavement
- ⑥ 25'-0" Bridge Overlay Approach Pavement
- ⑦ Carbon Fiber Wrap (See CFW Details Sheet)
- ⑧ Concrete Patching (See CFW Details Sheet)



TYPICAL SECTION

BRIDGE NO.
064B00060N

Note: See Special Notes

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

LAWRENCE

LAYOUT ~ 064B00060N

PREPARED BY
Division of Maintenance
Bridge Preservation Branch



Abutment 15 ~ Beam .5
14'-0" Longitudinal U & 10' Vertical U.



Pier 13, Span 12 Beam 1, 3, 4 & 5.
14'-0" Longitudinal U & 10' Vertical U.

BEAM RETROFIT



Pier 13: Span 11 ~ Beams 2 & 4.
Span 12 ~ Beams 1 & 2.
9' Long Complet Wrap x 2.

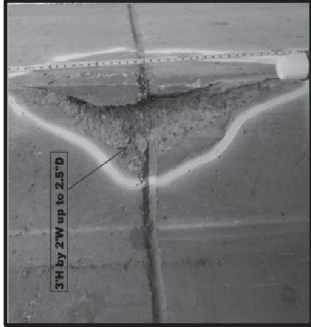


Pier 10: Span 9 ~ Beams 4 & 5.
Span 8 ~ Beams 1 & 4.
9' Long Complete Wrap x 2.

PEDESTAL RETROFIT

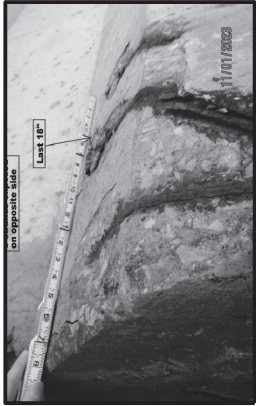


Pier 2: Span 1 ~ Pier Cap Under Beam 4.
Span 2 ~ Pier Cap Under Beams 3 & 4.
Pier 4: Span 4 ~ Pier Cap Under Beams 3 & 4
Pier 6: Span 5 ~ Pier Cap Under Beam 3.
12' Long Strips + 4' Long L Strip Anchors x 4.



Pier 4: Span 4 ~ Edge of Column 1.
18' Long U Strips x 20' Strips Tall.

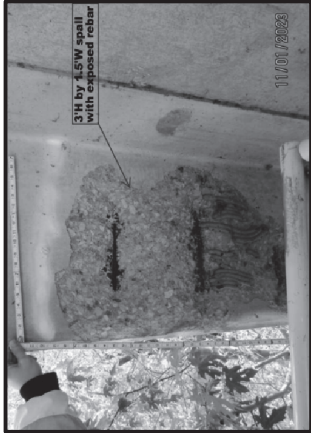
SPALL RETROFIT



Pier 6 ~ Beam 2 & 6.
14'-0" Longitudinal U & 10' Vertical U.



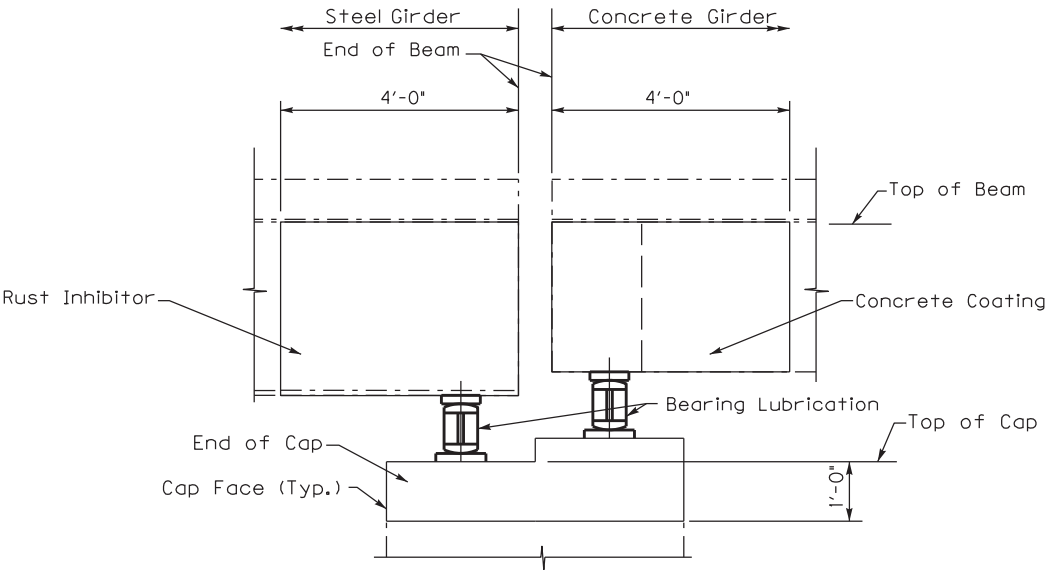
Pier 4: Span 3 ~ Beam 3.
Span 4 ~ Beam 2.
9' Long Complete Wrap x 2.



Pier 4: Span 4 ~ Edge of Column 2.
18' Long U Strips x 20' Strips Tall.

BRIDGE NO.
064B00060N

Note: See Special Notes



SECTION THROUGH PIER CAP

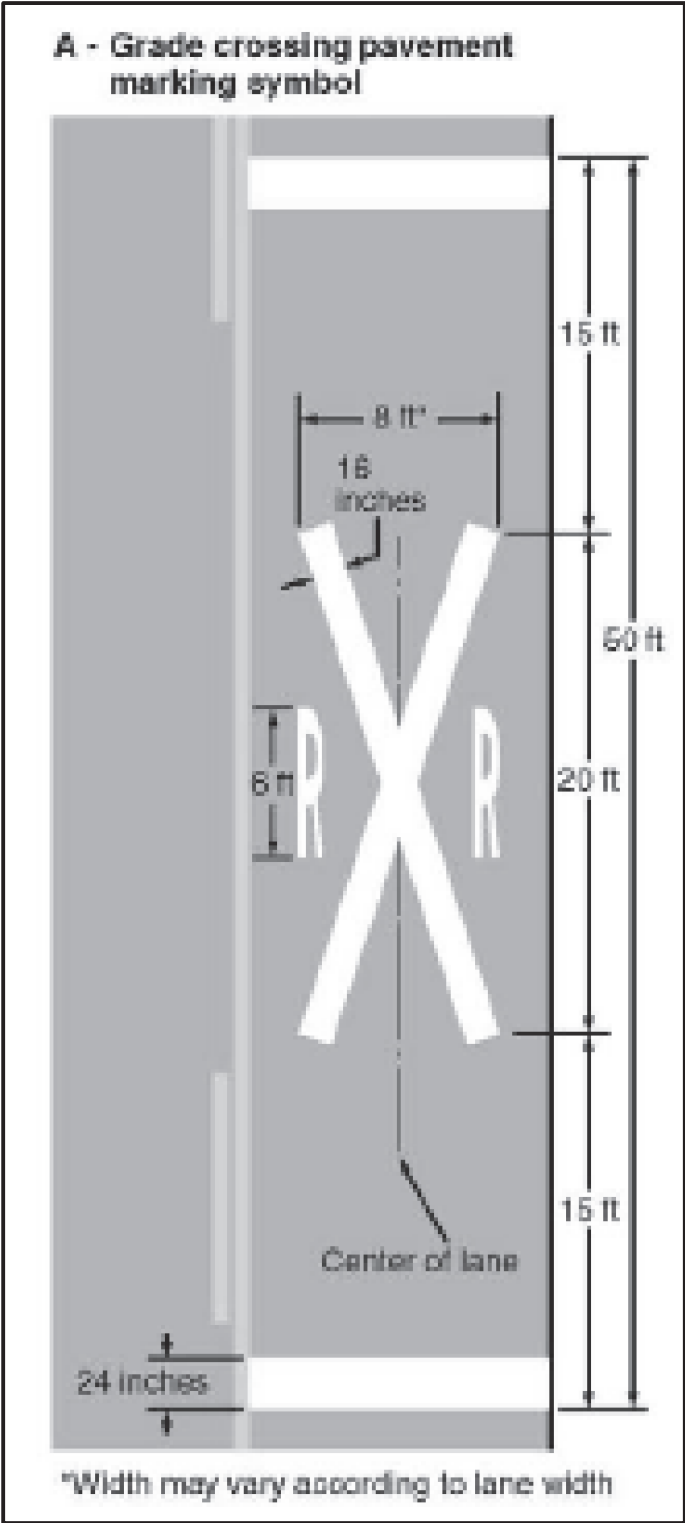
PREVENTIVE MAINTENANCE

Note: Top and face of cap the entire length including cap ends shall be cleaned and have concrete coating applied as specified within the limits shown. Apply rust inhibitor to beams and lubricate bearings as specified.

BRIDGE NO.
064B00060N

Note: See Special Notes

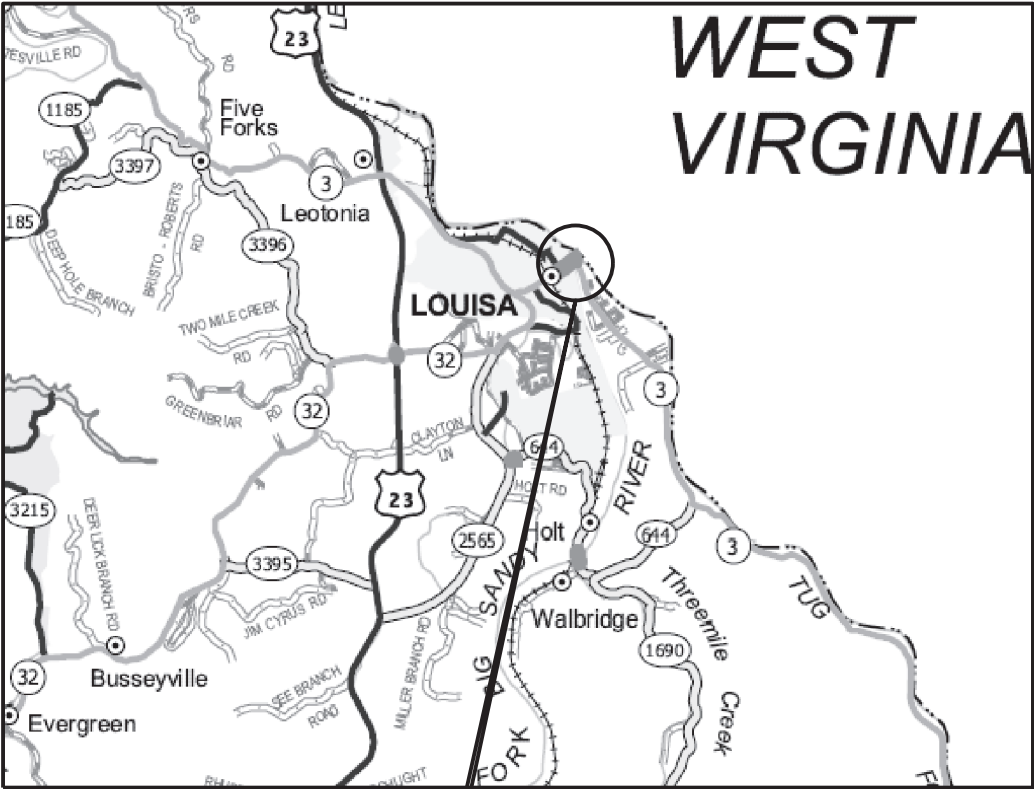
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS
COUNTY LAWRENCE
PREVENTIVE MAINTENANCE
PREPARED BY Division of Maintenance Bridge Preservation Branch



BRIDGE NO.
064B00060N

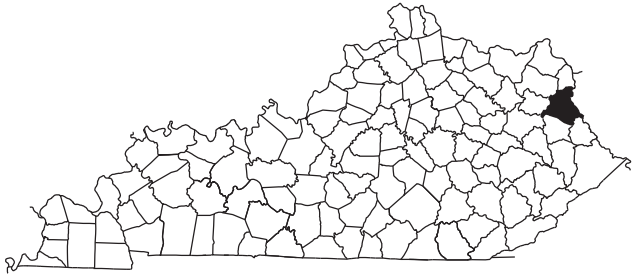
Note: See Special Notes

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY
LAWRENCE
PAVEMENT MARKINGS
PREPARED BY
Division of Maintenance
Bridge Preservation Branch



064B00060N
KY 3 over Levisa & Tug Fork

LOCATION MAP – LAWRENCE COUNTY



BRIDGE NO.
064B00060N

Note: See Special Notes

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS
COUNTY LAWRENCE
LOCATION MAP
PREPARED BY Division of Maintenance Bridge Preservation Branch

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

STANDARD SPECIFICATIONS

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2019* and *Standard Drawings, Edition of 2020*.

SUPPLEMENTAL SPECIFICATIONS

The contractor shall use the Supplemental Specifications that are effective at the time of letting. The Supplemental Specifications can be found at the following link:
<http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx>

**STANDARD DRAWINGS THAT APPLY
DISTRICT NO. 12
LAWRENCE COUNTY
BRIDGE DECK RESTORATION AND WATERPROOFING
CID 252965**

**TRAFFIC
~ *TEMPORARY* ~
TRAFFIC CONTROL**

LANE CLOSURE TWO LANE HIGHWAY	TTC-100 C.E.
LANE CLOSURE USING TRAFFIC SIGNALS	TTC-110 C.E.

**BRIDGES
STANDARDS**

BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS	BGX-009 C.E.
AMORED EDGES	BJE-001 C.E.
EXPANSION JOINT REPLACEMENT 1”-3”	BJE-003 C.E.
EXPANSION JOINT REPLACEMENT GENERAL NOTES	BJE-005 C.E.
EXPANSION JOINT REPLACEMENT 4” & 5”	BJE-006 C.E.

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

**TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

**LABOR AND WAGE REQUIREMENTS
APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS**

- I. Application
- II. Nondiscrimination of Employees (KRS 344)

I. APPLICATION

1. These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piecework, station work or by subcontract. The contractor's organization shall be construed to include only workmen employed and paid directly by the contractor and equipment owned or rented by him, with or without operators.

2. The contractor shall insert in each of his subcontracts all of the stipulations contained in these Required Provisions and such other stipulations as may be required.

3. A breach of any of the stipulations contained in these Required Provisions may be grounds for termination of the contract.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

II. NONDISCRIMINATION OF EMPLOYEES

**AN ACT OF THE KENTUCKY
GENERAL ASSEMBLY TO PREVENT
DISCRIMINATION IN EMPLOYMENT
KRS CHAPTER 344
EFFECTIVE JUNE 16, 1972**

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (forty and above); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age forty (40) and over. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

EXECUTIVE BRANCH CODE OF ETHICS

The Executive Branch Code of Ethics created by Kentucky Revised Statutes (KRS) Chapter 11A, effective July 14, 1992, establishes the ethical standards that govern the conduct of all executive branch employees. The Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

A present or former public servant listed in KRS 11A.010(9)(a) to (g) shall not, within one (1) year following termination of his or her office or employment, accept employment, compensation, or other economic benefit from any person or business that contracts or does business with, or is regulated by, the state in matters in which he was directly involved during the last thirty-six (36) months of his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, or for which he received, prior to his state employment, a professional degree or license, provided that, for a period of one (1) year, he or she personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his or her tenure in state government. This subsection shall not prohibit the performance of ministerial functions, including but not limited to filing tax returns, filing applications for permits or licenses, or filing incorporation papers, nor shall it prohibit the former officer or public servant from receiving public funds disbursed through entitlement programs.

KRS 11A.040 (9) states:

A former public servant shall not represent a person or business before a state agency in a matter in which the former public servant was directly involved during the last thirty-six (36) months of his tenure, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not to obtain private benefits.

If you have worked for the executive branch of state government within the past year, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, 1025 Capital Center Drive, Suite 105, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: March 11, 2025

Kentucky Equal Employment Opportunity Act of 1978

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) shall apply to this Contract. The apparent low Bidder will be required to submit EEO forms to the Division of Construction Procurement, which will then forward to the Finance and Administration Cabinet for review and approval. No award will become effective until all forms are submitted and EEO/CC has certified compliance. The required EEO forms are as follows:

- EEO-1: Employer Information Report
- Affidavit of Intent to Comply
- Employee Data Sheet
- Subcontractor Report

These forms are available on the Finance and Administration's web page under ***Vendor Information, Standard Attachments and General Terms*** at the following address:
<https://www.eProcurement.ky.gov>.

Bidders currently certified as being in compliance by the Finance and Administration Cabinet may submit a copy of their approval letter in lieu of the referenced EEO forms.

For questions or assistance please contact the Finance and Administration Cabinet by email at **finance.contractcompliance@ky.gov** or by phone at 502-564-2874.

EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

FEDERAL MINIMUM WAGE

\$7.25 PER HOUR

BEGINNING JULY 24, 2009

- OVERTIME PAY** At least 1½ times your regular rate of pay for all hours worked over 40 in a workweek.
- CHILD LABOR** An employee must be at least **16** years old to work in most non-farm jobs and at least **18** to work in non-farm jobs declared hazardous by the Secretary of Labor.
- Youths **14** and **15** years old may work outside school hours in various non-manufacturing, non-mining, non-hazardous jobs under the following conditions:
- No more than*
- **3** hours on a school day or **18** hours in a school week;
 - **8** hours on a non-school day or **40** hours in a non-school week.
- Also, work may not begin before **7 a.m.** or end after **7 p.m.**, except from June 1 through Labor Day, when evening hours are extended to **9 p.m.** Different rules apply in agricultural employment.
- TIP CREDIT** Employers of “tipped employees” must pay a cash wage of at least \$2.13 per hour if they claim a tip credit against their minimum wage obligation. If an employee’s tips combined with the employer’s cash wage of at least \$2.13 per hour do not equal the minimum hourly wage, the employer must make up the difference. Certain other conditions must also be met.
- ENFORCEMENT** The Department of Labor may recover back wages either administratively or through court action, for the employees that have been underpaid in violation of the law. Violations may result in civil or criminal action.
- Employers may be assessed civil money penalties of up to \$1,100 for each willful or repeated violation of the minimum wage or overtime pay provisions of the law and up to \$11,000 for each employee who is the subject of a violation of the Act’s child labor provisions. In addition, a civil money penalty of up to \$50,000 may be assessed for each child labor violation that causes the death or serious injury of any minor employee, and such assessments may be doubled, up to \$100,000, when the violations are determined to be willful or repeated. The law also prohibits discriminating against or discharging workers who file a complaint or participate in any proceeding under the Act.
- ADDITIONAL INFORMATION**
- Certain occupations and establishments are exempt from the minimum wage and/or overtime pay provisions.
 - Special provisions apply to workers in American Samoa and the Commonwealth of the Northern Mariana Islands.
 - Some state laws provide greater employee protections; employers must comply with both.
 - The law requires employers to display this poster where employees can readily see it.
 - Employees under 20 years of age may be paid \$4.25 per hour during their first 90 consecutive calendar days of employment with an employer.
 - Certain full-time students, student learners, apprentices, and workers with disabilities may be paid less than the minimum wage under special certificates issued by the Department of Labor.

For additional information:



1-866-4-USWAGE

(1-866-487-9243)

TTY: 1-877-889-5627



WWW.WAGEHOUR.DOL.GOV

PART IV

BID ITEMS

252965

Section: 0001 - BRIDGES - 064B00060N

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02562		TEMPORARY SIGNS	150.00	SQFT		\$	
0020	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0030	02653		LANE CLOSURE	3.00	EACH		\$	
0040	03295		EXPAN JOINT REPLACE 2 IN	224.30	LF		\$	
0050	03298		EXPAN JOINT REPLACE 4 IN	66.60	LF		\$	
0060	03299		ARMORED EDGE FOR CONCRETE	117.20	LF		\$	
0070	03304		BRIDGE OVERLAY APPROACH PAVEMENT	518.00	SQYD		\$	
0080	04934		TEMP SIGNAL MULTI PHASE	1.00	EACH		\$	
0090	06514		PAVE STRIPING-PERM PAINT-4 IN	5,840.00	LF		\$	
0100	06549		PAVE STRIPING-TEMP REM TAPE-B	2,000.00	LF		\$	
0110	06550		PAVE STRIPING-TEMP REM TAPE-W	4,000.00	LF		\$	
0120	06551		PAVE STRIPING-TEMP REM TAPE-Y	4,000.00	LF		\$	
0130	06562		PAVE MARKING-THERMO R 6 FT	2.00	EACH		\$	
0140	06563		PAVE MARKING-R/R XBUCKS 16 IN	46.00	LF		\$	
0150	06568		PAVE MARKING-THERMO STOP BAR-24IN	230.00	LF		\$	
0160	08150		STEEL REINFORCEMENT	1,070.00	LB		\$	
0170	08504		EPOXY SAND SLURRY	3,336.00	SQYD		\$	
0180	08526		CONC CLASS M FULL DEPTH PATCH	23.00	CUYD		\$	
0190	08534		CONCRETE OVERLAY-LATEX	224.20	CUYD		\$	
0200	08549		BLAST CLEANING	8,716.00	SQYD		\$	
0210	08551		MACHINE PREP OF SLAB	5,380.00	SQYD		\$	
0220	22146EN		CONCRETE PATCHING REPAIR	200.00	SQFT		\$	
0230	24094EC		PARTIAL DEPTH PATCHING	157.00	CUYD		\$	
0240	24981EC		BRIDGE CLEANING -	1.00	LS		\$	
0250	24982EC		CONCRETE COATING -	1.00	LS		\$	
0260	24983EC		BEARING LUBRICATION	30.00	EACH		\$	
0270	25015EC		FRP WRAP	1,078.00	SQFT		\$	

Section: 0002 - DEMOB

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0280	02569		DEMOBILIZATION	1.00	LS		\$	