



CALL NO. 403

CONTRACT ID. 202601

MCCRACKEN COUNTY

FED/STATE PROJECT NUMBER 073GR20M011-FE02

DESCRIPTION BRIDGE MAINTENANCE ON I-24 EB AND WB.

WORK TYPE BRIDGE REPAIRS

PRIMARY COMPLETION DATE 8/1/2020

LETTING DATE: January 24,2020

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 am EASTERN STANDARD TIME January 24,2020. Bids will be publicly announced at 10:00 am EASTERN STANDARD 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 - 01

CONTRACT ID - 202601
073GR20M011-FE02
COUNTY - MCCRACKEN
PCN - MB07300242001
FE02 073 0024 B00102L

I-24 NC (MP 2.962). BRIDGE OVER KY-305BRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:05:51.00 LONGITUDE 88:41:17.00

PCN - MB07300242002
FE02 073 0024 B00102R

I-24 (MP 2.959). BRIDGE OVER KY-305BRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:05:51.00 LONGITUDE 88:41:18.00

PCN - MB07300242003
FE02 073 0024 B00105L

I-24 NC (MP 4.342). BRIDGE OVER US-60BRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:04:42.00 LONGITUDE 88:40:51.00

PCN - MB07300242004
FE02 073 0024 B00105R

I-24 (MP 4.338). BRIDGE OVER US-60BRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:04:42.00 LONGITUDE 88:40:52.00

PCN - MB07300242005
FE02 073 0024 B00107L

I-24 NC (MP 4.583). BRIDGE OVER PERKINS CREEK CHANNELBRIDGE DECK RESTORATION &
WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:04:32.00 LONGITUDE 88:40:42.00

PCN - MB07300242006
FE02 073 0024 B00107R

I-24 (MP 4.592). BRIDGE OVER PERKINS CREEK CHANNELBRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:04:31.00 LONGITUDE 88:40:43.00

COMPLETION DATE(S):

COMPLETED BY 08/01/2020	APPLIES TO ENTIRE CONTRACT
30 CALENDAR Days	APPLIES TO 073B00102L
30 CALENDAR Days	APPLIES TO 073B00102R
30 CALENDAR Days	APPLIES TO 073B00105L
30 CALENDAR Days	APPLIES TO 073B00105R
30 CALENDAR Days	APPLIES TO 073B00107L
30 CALENDAR Days	APPLIES TO 073B00107R

CONTRACT NOTES

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 fax (502) 564-7299 or 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/contract). 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 contractor, as defined in KRS 45A.030 (9) 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 contract for the purpose of financial audit or program review. Records and other prequalification information confidentially

disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and shall be exempt from disclosure as provided in KRS 61.878(1)(c). 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.

In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration Cabinet shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004.

April 30, 2018

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 NOTE FOR BRIDGE CLEANING AND PREVENTIVE MAINTENACE

1. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway’s 2019 Standard Specification for Road and Bridge Construction applicable Supplemental Specifications, Standard Drawings, 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) Debris removal; (3) Stratified and pack rust removal; (4) Pressure washing; (5) Apply concrete coating; (6) Lubricate bearing devices. (7) Maintain and control traffic; (8) All other work required for this contract.

2. SUBMITTALS
The Contractor shall comply with the submittal requirements detailed in Section 108 of the Standard Specifications for Road and Bridge Construction (Current Edition) and submit the following **written** items to the Project Engineer **14 days** prior to the Pre-Construction Conference:

- A. A detailed Progress of Work Schedule.
- B. Traffic Control Plan.
- C. Manufacturers’ recommended Film Thickness and application conditions for the concrete coating system to be used.

All submittals must be received, accepted and/or approved by the KYTC Engineer prior to beginning any work.

3. MATERIALS.

A. Wash Water

Use clean potable water for all pressure washing.

B. Concrete Coatings

Use one of the coatings from the following manufactures:

Manufacture	Prime Coat	Finish Coat
Sherwin Williams	Macropoxy 646	Acrolon 218 HS
PPG	Amberlock 2	Devoe Devflex
Carboline	Carboguard 890	Carbothane 133 HB
Tnemec	Elastogrip 151	EnviroCrete 15

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. Debris Removal.

All debris shall be removed from the bridge components. See attached detailed drawings for each bridge 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. Prior to all cleaning work, the Contractor shall confirm that any bridge drainage system is not blocked by un-removable debris by rodding with a sewer rod or similar tool. A blocked drainage system is considered to be one from which debris cannot be removed using the means specified in this note. If the Engineer has been notified, and concurs that the drainage system is blocked prior to performing other cleaning work, then proceed at the direction of the Engineer. If the Contractor does not inspect the bridge drainage system and notify the Engineer prior to beginning work any blocked drains will be considered to be the result of the Contractor's operations, and all clearing and cleaning of the drainage system shall be done as part of the work of the specification. All vegetation present at areas of the bridge addressed in this proposal shall be removed as determined by the Engineer.

B. Stratified and Pack Rust Removal.

Stratified and pack rust shall be removed from all bearing devices. See attached detailed drawings for each bridge showing general location and quantity of the bearing devices. In addition it is the contractor's responsibility to perform a site visit to each bridge to verify the location and quantity of bearing devices prior to submitting their bid. 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.

C. Pressure Washing.

Specified bridge components shall be pressure washed. See attached detailed drawings for each bridge addressing components to be pressure washed. All equipment for pressure washing shall be operated at a minimum pressure of up to 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. Wand extensions greater than 36 inches will be subject for approval by the Engineer. 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.

D. Concrete Coatings Application.

All abutment, end bents, pedestals, end bent back walls and parapet walls including the abutment and end bent wing walls shall have concrete coating applied to as specified after debris removal and power washing. Use compressed air to remove any loose debris from the surfaces that are to be coated after power washing. All coatings shall be applied within manufacturers recommended dry film thickness range. Comply with KYTC “Standard Specifications for Road and Bridge Construction” Section 614.03.02 and coatings supplier recommended conditions for application. 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 shall perform acceptance testing. Test samples shall be taken at the Contractor’s paint storage site. Department personnel shall perform sampling. Allow (10) working days for testing and approval of the sampled paint. It is the Contractor’s responsibility to maintain an adequate inventory of approved paint. The Department shall assume no responsibility for lost work due to rejection of paint or approved paint subsequently found to be defective during the application process. Perform all concrete coating application at temperatures above 40 degrees Fahrenheit or in accordance with manufactures specifications.

The finish coat shall be gray and will meet the following values.

	L*	a*	b*
Grey	74.94	- 1.54	3.92

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.

F. Sequence of Work.

Complete work in the sequence listed below:

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

G. Access.

The Contractor shall provide OSHA compliant safe access for all bridge cleaning and preventive maintenance operations and inspection.

H. 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 pack rust.

3. Power Washing: Visual Inspection

4. Concrete Coating:

Prime Coat Application Check for dry film thickness*, and defects in paint
Finish Coat Application Check for dry film thickness*, paint appearance, color and quality of application.

*Destructive DFTs shall be used. Contractor shall repair all test locations, cost will be considered incidental to the contract.

5. Bearing Greasing: Visual Inspection.

I. 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. Residual lead paint may present on each 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.

Bridge Cleaning and Preventative Maintenance: The Cabinet will measure this item as "Lump Sum"

5. PAYMENT.

Bridge Cleaning and Preventative Maintenance (23949EC): The contract price for this item will be paid as a lump sum. The payment for this bid item at the contract unit price of Lump Sum shall be considered full compensation for complete and accepted work for all work items described in this note and attached detailed drawings which includes all labor, materials, equipment needed to complete all specified items in this contract for '**BRIDGE CLEANING AND PREVENTIVE MAINTENANCE**'.

SPECIAL NOTE FOR ENVIRONMENTAL AND WORKER SAFETY REGULATIONS

(A) Governing regulations

The coatings on the structures in this contract may contain lead, which is classified as a hazardous (toxic) material. Be knowledgeable of and comply with, all lead-related environmental and health regulations governing the Contractor's operations. Comply with regulations current at the time the work is performed and all requirements herein. Collect, transport to waste storage sites, and store hazardous wastes in accordance with applicable environmental and health regulations. The contractor is solely responsible for collection, transport, storage and disposal of all hazardous wastes.

B) Liabilities and Obligations

The contractor shall be solely responsible for compliance with all applicable environmental and health and safety regulations to the satisfaction of the applicable government regulatory agencies and the Department. The Department assumes no obligations or liabilities for work stoppages or fines due to enforcement actions by government regulatory agencies or to related delays that the Department deems necessary.

(C) State and Local Regulatory Agencies

State and local regulatory agencies charged with enforcing most regulations affecting the generation of hazardous wastes and worker safety issues are:

- Kentucky Occupational Safety and Health Program, Labor Cabinet, Commonwealth of Kentucky, Frankfort, Kentucky
- Environmental and Public Protection Cabinet, Commonwealth of Kentucky, Frankfort, Kentucky

(D) Groundwater and Surface water Protection

The contractor shall prepare and implement a groundwater and surface water protection plan in accordance with 401 KAR 5:037 (Ground Water), KRS 224.70-110 and 401 KAR 10:031 (Surface water) with the exception that hazardous waste or hazardous materials container volume is not limited to greater than 55 gallons or weight to 100 pounds.

SPECIAL NOTE FOR NESTING BIRDS

In accordance with KYTC policy and in compliance with the federal Migratory Bird Treaty Act, 50 CFR 21.41, the destruction of active nests during painting operations is prohibited. If any birds are observed using the bridge for nesting within the area of the bridge that will be impacted by cleaning/painting operations, the contractor or subcontractor must stop work in that area and contact Andrew Logsdon of the KYTC Division of Environmental Analysis (502) 564-7250. Instructions will then be provided on how to proceed with the project.

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

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 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.

II. MATERIALS.

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

B. Structural Steel. Use new, commercial grade steel suitable for welding. The Engineer will base acceptance on visual inspection. For armored edges that make up the 4" neoprene joint, use Steelflex Strip Seal expansion joint by DS Brown, or approved equal. To be approved, armored edge extrusions must be embedded.

C. Stud Anchors. The armored edge stud anchors are $\frac{3}{4}$ " embedded stud shear connectors conforming to ASTM A108, Grade 1015 (Nelson Studs or equal).

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

E. Epoxy Bond Coat. See Section 511.

F. (2") Expansion Joint System. It shall have a cellular, or micro-cell, polyurethane foam impregnated with a hydrophobic acrylic emulsion, or a hydrophobic polymer. The polyurethane foam external facing shall be factory coated and cured with highway-grade, fuel resistant silicone or a highway-grade elastomeric coating at a width greater than the maximum joint expansion.

G. Neoprene Strip Seals. See attached detail drawings and Section 807

III. EQUIPMENT.

A. Hammers. See Section 606.02.10 B.

B. Sawing Equipment. See Section 606.02.10 C.

C. Hydraulic Impact Equipment. See Section 606.02.10 D.

IV. CONSTRUCTION.

A. 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 to the Department.

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".

- B. 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.

All new structural steel shall be cleaned and painted in accordance with requirements of Section 607.03.23, except that 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.

- C. Additional Steel Reinforcement.** Furnish for replacement, as directed by the Engineer, 3,800 linear feet of #4 steel reinforcing bars in 20' lengths. 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. Deliver unused bars to the Local County Maintenance Barn. Payment will be made in accordance with Section 602.
- D. Stage 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.
- E. (2") Expansion Joint System.** System shall be installed in accordance with manufacturer's recommendations concerning approved adhesives, welds between sticks and appurtenances, and adhesion to concrete deck or armored edges. Joint seal is to be installed ½" recessed from the surface.
- F. Preformed Neoprene Strip Seal.** Place the preformed joint seal in one continuous, unbroken length. Place neoprene strip seals as recommended by the manufacturer and in accordance with Section 609.03.04
- G. 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.

V. MEASUREMENT.

- A. Expansion Joint Replacement – 2", 4".** The Department will measure the quantity in linear feet from gutterline to gutterline along the centerline of the joint.
- B. Armored Edge for Concrete.** The Department will measure the quantity in linear feet from gutterline to gutterline along the face of the bridge end.
- C. Steel Reinforcement.** See Section 602.

VI. PAYMENT.

- A. Expansion Joint Replacement – 2", 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 strip seal or pre-compressed horizontal expansion joint system, and all incidental items necessary to complete the work (except the overlay material) within the specified pay limits as specified by this note and as shown on the attached detail drawings.
- B. Armored Edge for Concrete.** 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) within the specified pay limits as specified by this note and as shown on the attached detail drawings.
- C. Steel Reinforcement.** See Section 602.

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 executing this work. The Department will not consider any claims based on residual lead paint.

SPECIAL NOTE FOR UTILITIES AND SIGNS

All utilities, traffic lighting, navigational lighting and traffic signs shall be maintained and protected from damage.

All electric power that may be on the structure shall be de-energized. The Contractor shall coordinate with the Department to have the power de-energized.



Matthew G. Bevin
Governor

**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**

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

Greg Thomas
Secretary

Asbestos Inspection Report

To: Steve Bohon

District: 1

Date: October 25, 2019

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: McCracken Various Bridges

Structure ID: 073B00102L

Structure Location: I-24 over KY 305

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

Inspection Date: October 22, 2019

Results and Recommendations

The results of the samples collected were negative for the presence of asbestos above 1%.
No abatement is required at this time.

It is recommended that this report accompany the 10-Day Notice of Intent for Demolition ([DEP7036 Form](#)) 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.



MRS, Inc. Analytical Laboratory Division

(502) 495-1212

Fax: (502) 491-7111

BULK SAMPLE ASBESTOS ANALYSIS

Analysis N # # 910242 F

Address: McCracken - 073 B 00102 R

Client Name: KYTC

I - 24 Over KY 305

Sampled By: O'Dail Lawson

[illegible]

Methodology : EPA Method 600/R-93-116

Date Analyzed : 24-Oct-19

Analyst : Winterford Mensah

Reviewed By:

Kintana Mencia
Signature

The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government. Partial Reproduction of any part of this report is strictly prohibited. Samples shall be retained for (30) days.

AIHA # 102459

AIHA #1 02459



Chain of Custody Record

Kentucky Transportation Cabinet

2000 Mero Street, 5th 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-041619-00415

O'Dail Lawson

has on 04-16-2019, attended and successfully completed the requirements and passed the examination with a score of 70% of 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 and Tennessee Department of Environment & Conservation 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

Expiration Date: 04-16-2020


Name - Training Manager


Name - Instructor



Matthew G. Bevin
Governor

COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

Asbestos Inspection Report

To: Steve Bohon

District: 1

Date: October 25, 2019

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: McCracken Various Bridges

Structure ID: 073B00105L

Structure Location: I-24 over US 60

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

Inspection Date: October 22, 2019

Results and Recommendations

The results of the samples collected were negative for the presence of asbestos above 1%.
No abatement is required at this time.

It is recommended that this report accompany the 10-Day Notice of Intent for Demolition ([DEP7036 Form](#)) 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.



MRS, Inc. Analytical Laboratory Division

Fax: (502) 491-7111

BULK SAMPLE ASBESTOS ANALYSIS

Analysis N#	# 910242 I	Address:	McCracken - 073 B 00105 R
Client Name:	KYTC		I - 24 Over US 60
Sampled By:	O'Dail Lawson		

[illegible]

Methodology : EPA Method 600/R-93-116

Date Analyzed : 24-Oct-19
Analyst : Winterford Mensah

Reviewed By: *Winters Mensaf*
Signature

The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government. Partial Reproduction of any part of this report is strictly prohibited. Samples shall be retained for (30) days.

AJHA #1 02459

Chain of Custody Record

Kentucky Transportation Cabinet

2000 Mero Street, 5th Floor West

Frankfort, Kentucky 40622

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

O'Dail Lawson	<u>o.dail.lawson@ky.gov</u>	Client Information	KY TRANS CABINET
KYTC		Results Code:	
Address: 200 Micro Street Frankfort KY		ND = None Detected	
Phone: 502-564-7250	Fax: 502-564-5655	FTD = Filter Tampering or Damaged	
PO#:		N/A = Not Applicable	
		Samplers (signature):	
		I-24 0202 US60	

Project or Subject Reference	
McCracken	D73B00185R

Samplers (signature):

Allen Brown

[illegible]

Relinquished By:	Date/Time:	
Received By:	Date/Time:	
Relinquished By:	Date/Time:	
Received at Lab By:	Date/Time:	

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

Certification Number: ETC-AIR-041619-00415


O'Dail Lawson

has on 04-16-2019, attended and successfully completed the requirements and passed the examination with a score of 70% of 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 and Tennessee Department of Environment & Conservation 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: 04-16-2020


Name - Instructor



Matthew G. Bevin
Governor

**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

Asbestos Inspection Report

To: Steve Bohon

District: 1

Date: October 25, 2019

Conducted By: O'Dail Lawson

Report Prepared By: O'Dail Lawson

Project and Structure Identification

Project Number: McCracken Various Bridges

Structure ID: 073B00107L

Structure Location: I-24 over Perkins Creek Channel

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

Inspection Date: October 22, 2019

Results and Recommendations

The results of the samples collected were negative for the presence of asbestos above 1%.
No abatement is required at this time.

It is recommended that this report accompany the 10-Day Notice of Intent for Demolition ([DEP7036 Form](#)) 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.



MRS, Inc. Analytical Laboratory Division

Fax: (502) 491-7111

Analysis N#	# 910242 J	Address:	McCracken - 073 B 00107 L
Client Name:	KYTC		I - 24 Over Perkins Creek Channel
Sampled By:	O'Dail Lawson		

[illegible]

Reviewed By:

Antony Mervin
Signature

AJHA #1 02459



Chain of Custody Record

Kentucky Transportation Cabinet

200 Mero Street, 5th 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-041619-00415

O'Dail Lawson

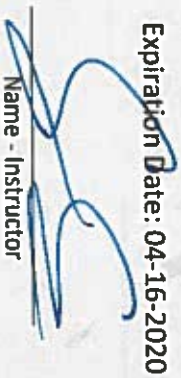
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Training was in accordance with 40 CFR Part 763 (AHERA) approved by the Commonwealth of Kentucky, the Indiana Department of Environmental Management and Tennessee Department of Environment & Conservation The above student received requisite training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

Conducted at: 1520 Alliant Ave., Louisville, KY


Name - Training Manager

Expiration Date: 04-16-2020

Name - Instructor

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

I. 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 August 1, 2020. An allotted number of Calendar days are assigned to each structure in this contract as shown below.

<u>STRUCTURE</u>	<u>NO. OF CALENDAR DAYS</u>	<u>COMPLETION DATE</u>
073B00102L	30	August 1, 2020
073B00102R	30	August 1, 2020
073B00105L	30	August 1, 2020
073B00105R	30	August 1, 2020
073B00107L	30	August 1, 2020
073B00107R	30	August 1, 2020

Contrary to Section 108.07.02, 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.

II. LIQUIDATED DAMAGES. Liquidated damages will be assessed the Contractor in accordance with the Transportation Cabinet, Department of Highway’s 2019 Standard Specifications for Road and Bridge Construction, Section 108.09, when either the allotted number of calendar days or the August 1, 2020 date is exceeded.

Contrary to the Standard Specifications, liquidated damages will be assessed the Contractor during the months of December, January, February and March when the contract time has expired on any individual bridge or bridges. Contract time will be charged during these months.

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

I. TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the 2019 Standard Specifications, 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.

II. 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.

III. 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.

IV. 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. Liquidated damages shall be assessed to the Contractor at a rate of \$500 per day for failing to replace temporary striping within this time limit.

V. PROJECT PHASING & CONSTRUCTION PROCEDURES

The Contractor shall maintain one lane of traffic on I-24 in accordance with Standard Drawing No. TTC-120 unless otherwise approved by District Personnel. Lane closures for work on 073B00105L&R and 073B00107L&R may be continuous. The Contractor shall coordinate all traffic control plans with District Personnel and conform to MUTCD guidelines. The Contractor shall submit a Traffic Control Plan to the Project Engineer **14 days** prior to the Pre-Construction Conference. All items of work necessary for maintenance and removal shall be incidental to “Maintain and Control Traffic.”

When the bridge is open, the clear lane width required is:

<u>Structure</u>	<u>Clear Lane Width</u>
073B00102L	<u>17'</u>
073B00102R	<u>17'</u>
073B00105L	<u>17' - 6"</u>
073B00105R	<u>17' - 6"</u>
073B00107L	<u>17' - 6"</u>
073B00107R	<u>17' - 6"</u>

I-24 lane closures will not be permitted on these days:
Memorial Day Weekend (Friday-Monday)
Independence Day, when July 4th is on Tuesday, Wednesday, or Thursday; or
Independence Day Weekend, when July 4th is on Monday (Saturday-Monday) or Friday (Friday-Sunday)

VI. BARRIER WALL

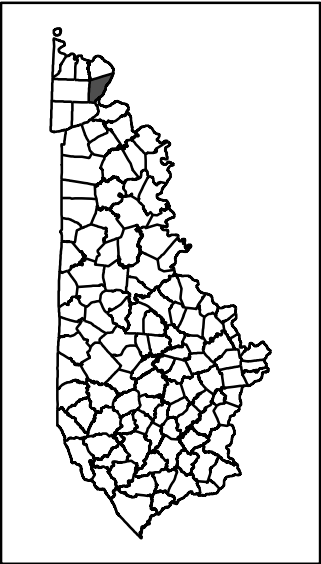
Payment of the contract unit price per linear foot for "CONCRETE BARRIER WALL TYPE 9T" shall be full compensation for furnishing, installing, maintaining, adjusting alignment as needed, removing the barrier when no longer needed, and all incidental items necessary to complete the work.

Provide one side mounted barrier wall delineator per each section of barrier. See Standard Drawing RBM-020 for types. No direct payment allowed for delineators.

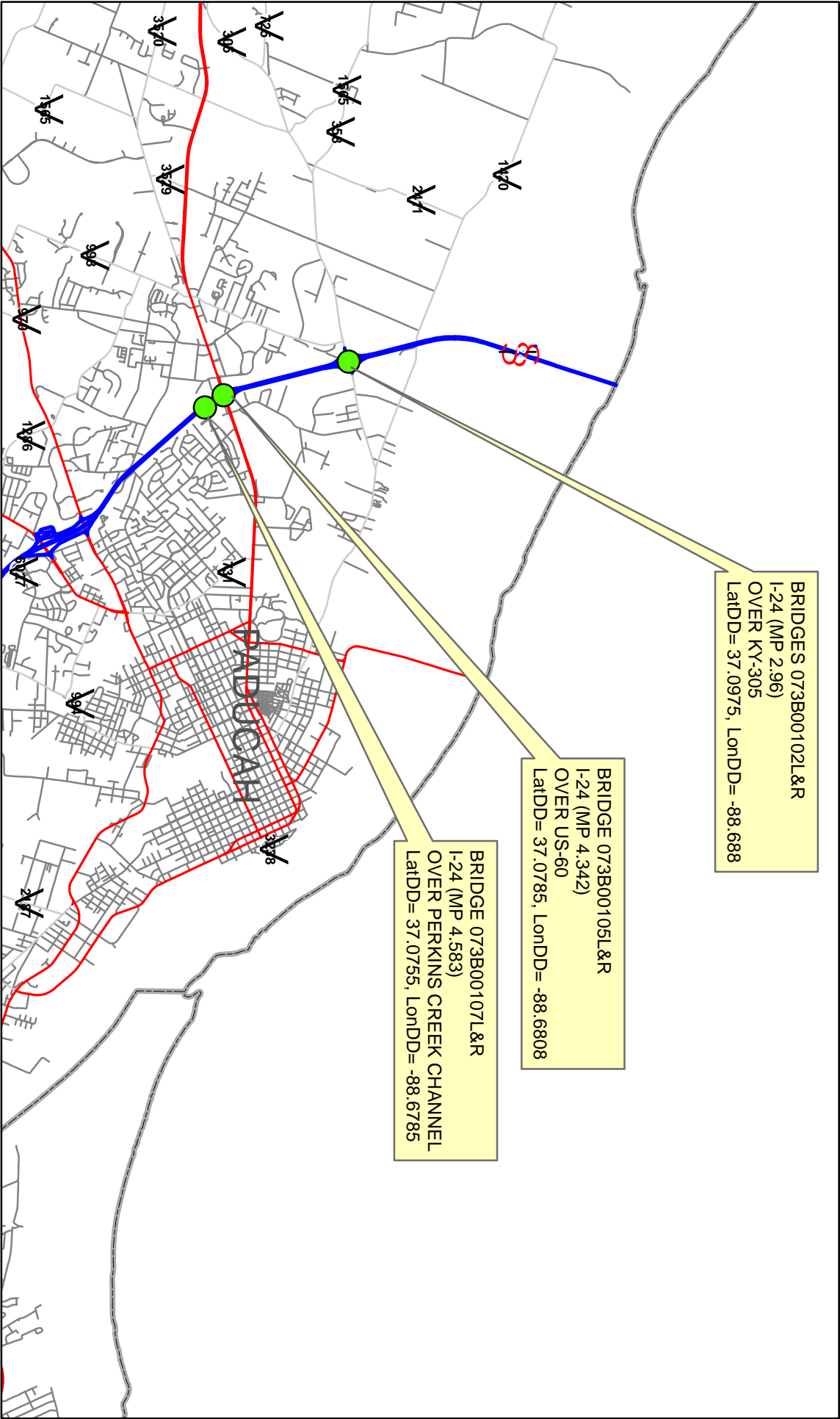
VII. CRASH CUSHION / END TREATMENTS

To the satisfaction of the Engineer extend barrier wall out of the clear zone. If barrier wall is not extended out of the clear zone to the satisfaction of the Engineer provide crash cushions / end treatments for the barrier wall.

Provide Barrier end treatments that comply with MASH-16.



MCCRACKEN COUNTY



MATERIAL SUMMARY

CONTRACT ID: 202601

073GR20M011-FE02

MB07300242001

I-24 NC (MP 2.962). BRIDGE OVER KY-305 BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02003	RELOCATE TEMP CONC BARRIER	340.00	LF
0010	02562	TEMPORARY SIGNS	149.00	SQFT
0015	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 073B00102L	1.00	LS
0020	02653	LANE CLOSURE	2.00	EACH
0025	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0030	02775	ARROW PANEL	1.00	EACH
0035	02898	RELOCATE CRASH CUSHION	1.00	EACH
0040	02900	INSTALL TEMP CRASH CUSHION	1.00	EACH
0045	03171	CONCRETE BARRIER WALL TYPE 9T	340.00	LF
0050	03295	EXPAN JOINT REPLACE 2 IN	39.30	LF
0055	03298	EXPAN JOINT REPLACE 4 IN	39.30	LF
0060	03299	ARMORED EDGE FOR CONCRETE	78.60	LF
0065	03304	BRIDGE OVERLAY APPROACH PAVEMENT	873.00	SQYD
0070	06514	PAVE STRIPING-PERM PAINT-4 IN	800.00	LF
0075	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0080	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0085	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0090	08150	STEEL REINFORCEMENT	534.40	LB
0095	08504	EPOXY SAND SLURRY	84.00	SQYD
0100	08534	CONCRETE OVERLAY-LATEX	26.00	CUYD
0105	08549	BLAST CLEANING	703.00	SQYD
0110	08551	MACHINE PREP OF SLAB	619.00	SQYD
0115	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - APPLIES TO 073B00102L	1.00	LS
0120	24094EC	PARTIAL DEPTH PATCHING	15.10	CUYD
0125	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 202601

073GR20M011-FE02

MB07300242002

I-24 (MP 2.959). BRIDGE OVER KY-305 BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0130	02003	RELOCATE TEMP CONC BARRIER	340.00	LF
0135	02562	TEMPORARY SIGNS	149.00	SQFT
0140	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 073B00102R	1.00	LS
0145	02653	LANE CLOSURE	2.00	EACH
0150	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0155	02775	ARROW PANEL	1.00	EACH
0160	02898	RELOCATE CRASH CUSHION	1.00	EACH
0165	02900	INSTALL TEMP CRASH CUSHION	1.00	EACH
0170	03171	CONCRETE BARRIER WALL TYPE 9T	340.00	LF
0175	03295	EXPAN JOINT REPLACE 2 IN	39.30	LF
0180	03298	EXPAN JOINT REPLACE 4 IN	39.30	LF
0185	03299	ARMORED EDGE FOR CONCRETE	78.60	LF
0190	03304	BRIDGE OVERLAY APPROACH PAVEMENT	873.00	SQYD
0195	06514	PAVE STRIPING-PERM PAINT-4 IN	800.00	LF
0200	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0205	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0210	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0215	08150	STEEL REINFORCEMENT	534.40	LB
0220	08504	EPOXY SAND SLURRY	84.00	SQYD
0225	08526	CONC CLASS M FULL DEPTH PATCH	4.00	CUYD
0230	08534	CONCRETE OVERLAY-LATEX	26.00	CUYD
0235	08549	BLAST CLEANING	703.00	SQYD
0240	08551	MACHINE PREP OF SLAB	619.00	SQYD
0245	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - APPLIES TO 073B00102R	1.00	LS
0250	24094EC	PARTIAL DEPTH PATCHING	19.40	CUYD
0255	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 202601

073GR20M011-FE02

MB07300242003

I-24 NC (MP 4.342). BRIDGE OVER US-60 BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0260	02003	RELOCATE TEMP CONC BARRIER	420.00	LF
0265	02562	TEMPORARY SIGNS	149.00	SQFT
0270	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 073B00105L	1.00	LS
0275	02653	LANE CLOSURE	2.00	EACH
0280	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0285	02775	ARROW PANEL	1.00	EACH
0290	02898	RELOCATE CRASH CUSHION	1.00	EACH
0295	02900	INSTALL TEMP CRASH CUSHION	1.00	EACH
0300	03171	CONCRETE BARRIER WALL TYPE 9T	420.00	LF
0305	03298	EXPAN JOINT REPLACE 4 IN	80.80	LF
0310	03299	ARMORED EDGE FOR CONCRETE	80.80	LF
0315	03304	BRIDGE OVERLAY APPROACH PAVEMENT	895.00	SQYD
0320	06514	PAVE STRIPING-PERM PAINT-4 IN	990.00	LF
0325	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0330	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0335	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0340	08150	STEEL REINFORCEMENT	534.40	LB
0345	08504	EPOXY SAND SLURRY	132.70	SQYD
0350	08526	CONC CLASS M FULL DEPTH PATCH	3.00	CUYD
0355	08534	CONCRETE OVERLAY-LATEX	41.70	CUYD
0360	08549	BLAST CLEANING	1,134.50	SQYD
0365	08551	MACHINE PREP OF SLAB	1,001.80	SQYD
0370	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - APPLIES TO 073B00105L	1.00	LS
0375	24094EC	PARTIAL DEPTH PATCHING	27.80	CUYD
0380	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 202601

073GR20M011-FE02

MB07300242004

I-24 (MP 4.338). BRIDGE OVER US-60 BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0385	02003	RELOCATE TEMP CONC BARRIER	400.00	LF
0390	02562	TEMPORARY SIGNS	149.00	SQFT
0395	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 073B00105R	1.00	LS
0400	02653	LANE CLOSURE	2.00	EACH
0405	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0410	02775	ARROW PANEL	1.00	EACH
0415	02898	RELOCATE CRASH CUSHION	1.00	EACH
0420	02900	INSTALL TEMP CRASH CUSHION	1.00	EACH
0425	03171	CONCRETE BARRIER WALL TYPE 9T	400.00	LF
0430	03298	EXPAN JOINT REPLACE 4 IN	80.80	LF
0435	03299	ARMORED EDGE FOR CONCRETE	40.40	LF
0440	03304	BRIDGE OVERLAY APPROACH PAVEMENT	448.00	SQYD
0445	06514	PAVE STRIPING-PERM PAINT-4 IN	800.00	LF
0450	06549	PAVE STRIPING-TEMP REM TAPE-B	2,000.00	LF
0455	06550	PAVE STRIPING-TEMP REM TAPE-W	4,000.00	LF
0460	06551	PAVE STRIPING-TEMP REM TAPE-Y	4,000.00	LF
0465	08150	STEEL REINFORCEMENT	400.80	LB
0470	08504	EPOXY SAND SLURRY	119.70	SQYD
0475	08526	CONC CLASS M FULL DEPTH PATCH	3.00	CUYD
0480	08534	CONCRETE OVERLAY-LATEX	37.60	CUYD
0485	08549	BLAST CLEANING	1,023.10	SQYD
0490	08551	MACHINE PREP OF SLAB	903.40	SQYD
0495	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - APPLIES TO 073B00105R	1.00	LS
0500	24094EC	PARTIAL DEPTH PATCHING	28.20	CUYD
0505	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 202601

073GR20M011-FE02

MB07300242005

I-24 NC (MP 4.583). BRIDGE OVER PERKINS CREEK CHANNEL BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0510	02003	RELOCATE TEMP CONC BARRIER	300.00	LF
0515	02562	TEMPORARY SIGNS	149.00	SQFT
0520	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 073B00107L	1.00	LS
0525	02653	LANE CLOSURE	2.00	EACH
0530	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0535	02775	ARROW PANEL	1.00	EACH
0540	02898	RELOCATE CRASH CUSHION	1.00	EACH
0545	02900	INSTALL TEMP CRASH CUSHION	1.00	EACH
0550	03171	CONCRETE BARRIER WALL TYPE 9T	300.00	LF
0555	03298	EXPAN JOINT REPLACE 4 IN	83.30	LF
0560	03299	ARMORED EDGE FOR CONCRETE	83.30	LF
0565	03304	BRIDGE OVERLAY APPROACH PAVEMENT	895.00	SQYD
0570	06514	PAVE STRIPING-PERM PAINT-4 IN	740.00	LF
0575	06549	PAVE STRIPING-TEMP REM TAPE-B	2,000.00	LF
0580	06550	PAVE STRIPING-TEMP REM TAPE-W	4,000.00	LF
0585	06551	PAVE STRIPING-TEMP REM TAPE-Y	4,000.00	LF
0590	08150	STEEL REINFORCEMENT	267.20	LB
0595	08504	EPOXY SAND SLURRY	68.10	SQYD
0600	08526	CONC CLASS M FULL DEPTH PATCH	2.00	CUYD
0605	08534	CONCRETE OVERLAY-LATEX	21.40	CUYD
0610	08549	BLAST CLEANING	582.50	SQYD
0615	08551	MACHINE PREP OF SLAB	514.30	SQYD
0620	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - APPLIES TO 073B00107L	1.00	LS
0625	24094EC	PARTIAL DEPTH PATCHING	14.30	CUYD
0630	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 202601

073GR20M011-FE02

MB07300242006

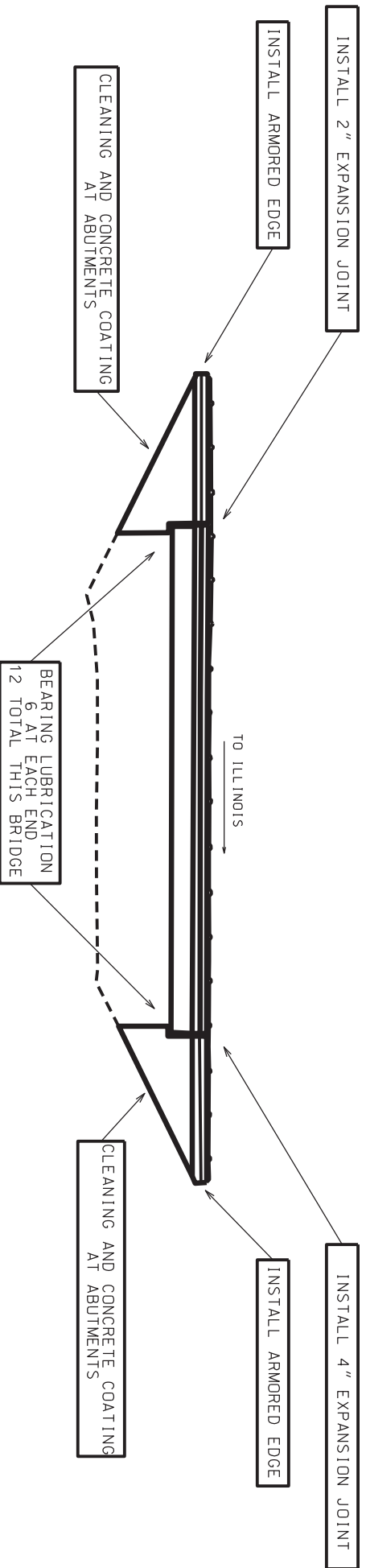
I-24 (MP 4.592). BRIDGE OVER PERKINS CREEK CHANNEL BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0635	02003	RELOCATE TEMP CONC BARRIER	300.00	LF
0640	02562	TEMPORARY SIGNS	149.00	SQFT
0645	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 073B00107R	1.00	LS
0650	02653	LANE CLOSURE	2.00	EACH
0655	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0660	02775	ARROW PANEL	1.00	EACH
0665	02898	RELOCATE CRASH CUSHION	1.00	EACH
0670	02900	INSTALL TEMP CRASH CUSHION	1.00	EACH
0675	03171	CONCRETE BARRIER WALL TYPE 9T	300.00	LF
0680	03298	EXPAN JOINT REPLACE 4 IN	83.30	LF
0685	03299	ARMORED EDGE FOR CONCRETE	83.30	LF
0690	03304	BRIDGE OVERLAY APPROACH PAVEMENT	895.00	SQYD
0695	06514	PAVE STRIPING-PERM PAINT-4 IN	740.00	LF
0700	06549	PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF
0705	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0710	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0715	08150	STEEL REINFORCEMENT	267.20	LB
0720	08504	EPOXY SAND SLURRY	68.10	SQYD
0725	08526	CONC CLASS M FULL DEPTH PATCH	2.00	CUYD
0730	08534	CONCRETE OVERLAY-LATEX	21.40	CUYD
0735	08549	BLAST CLEANING	582.50	SQYD
0740	08551	MACHINE PREP OF SLAB	514.30	SQYD
0745	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - APPLIES TO 073B00107R	1.00	LS
0750	24094EC	PARTIAL DEPTH PATCHING	14.30	CUYD
0755	02569	DEMOBILIZATION	1.00	LS

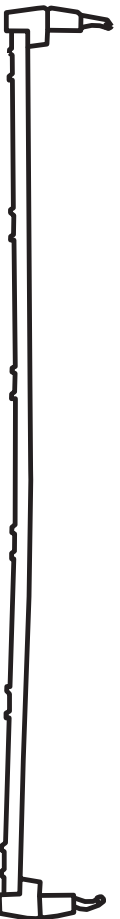
073B00102L

SIMPLE SPAN COMPOSITE STEEL GIRDER

142' TOTAL - 2° 5' SKEW



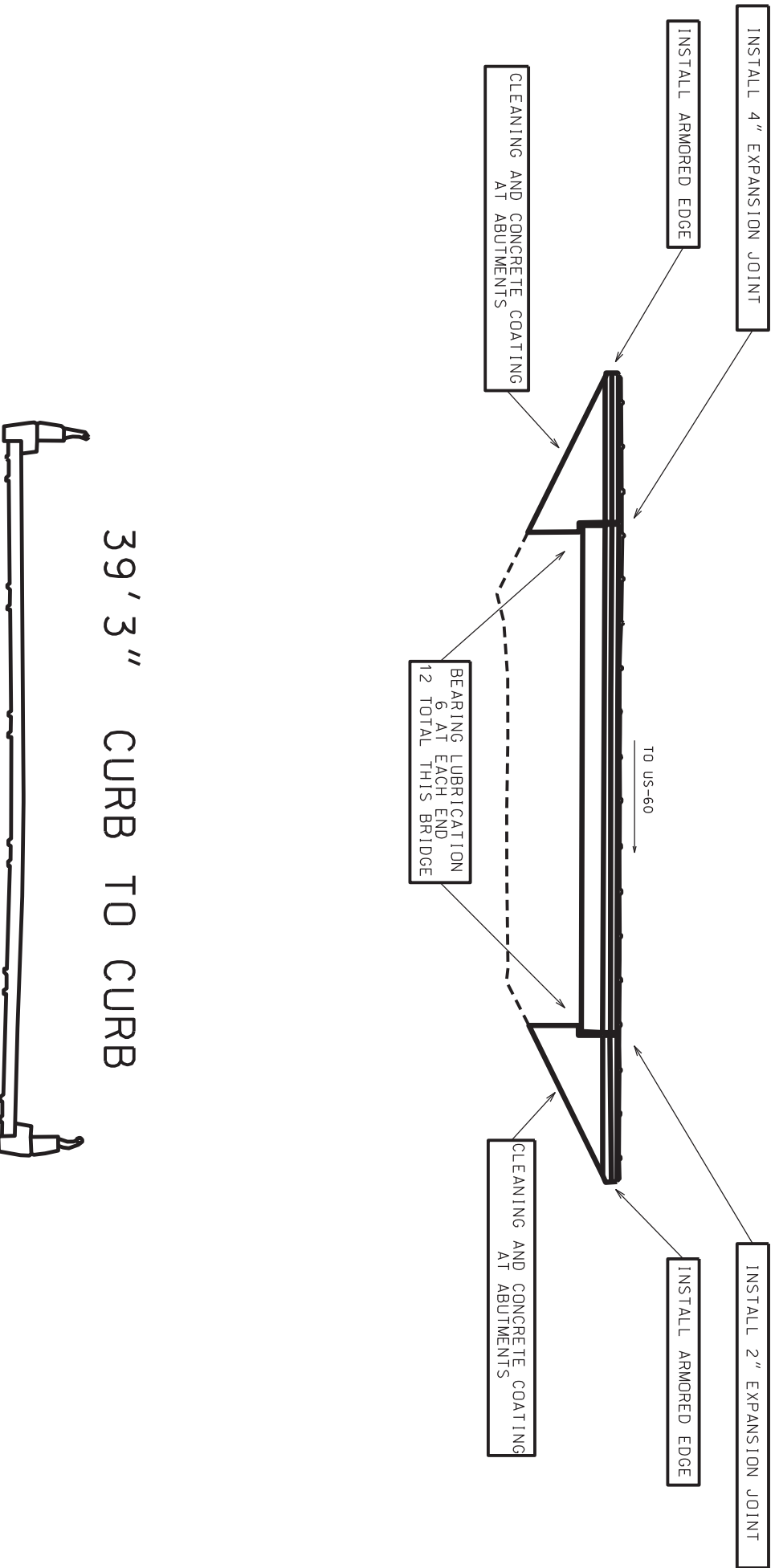
39' 3" CURB TO CURB



073B00102R

110' SIMPLE SPAN COMPOSITE STEEL GIRDER

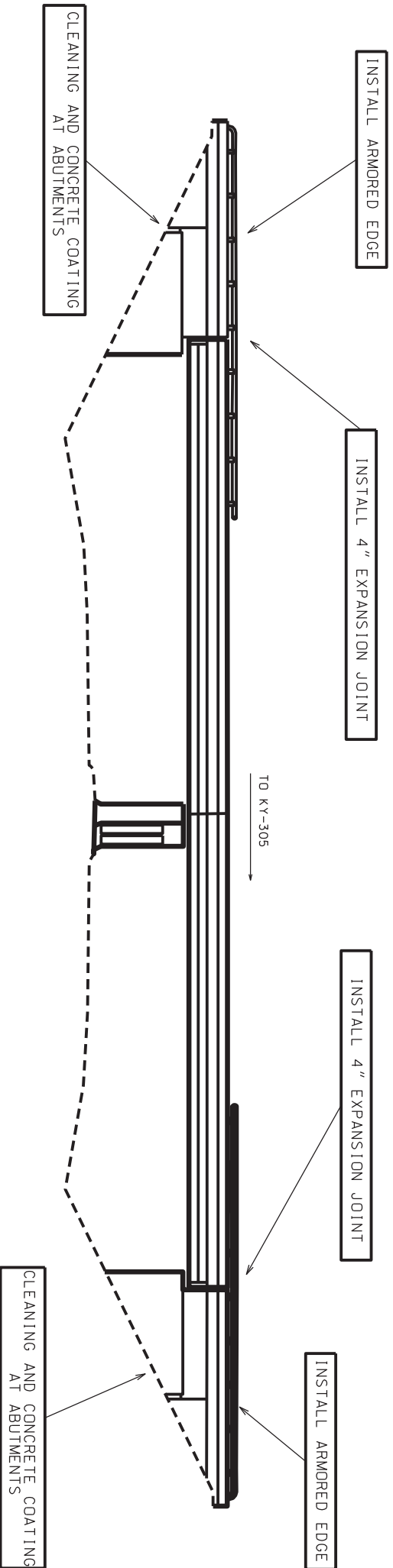
142' TOTAL - 2° 5' SKEW



073B00105L

TWIN - COMPOSITE WELDED PLATE GIRDERS

224' TOTAL - 05° 19' 51" SKEW



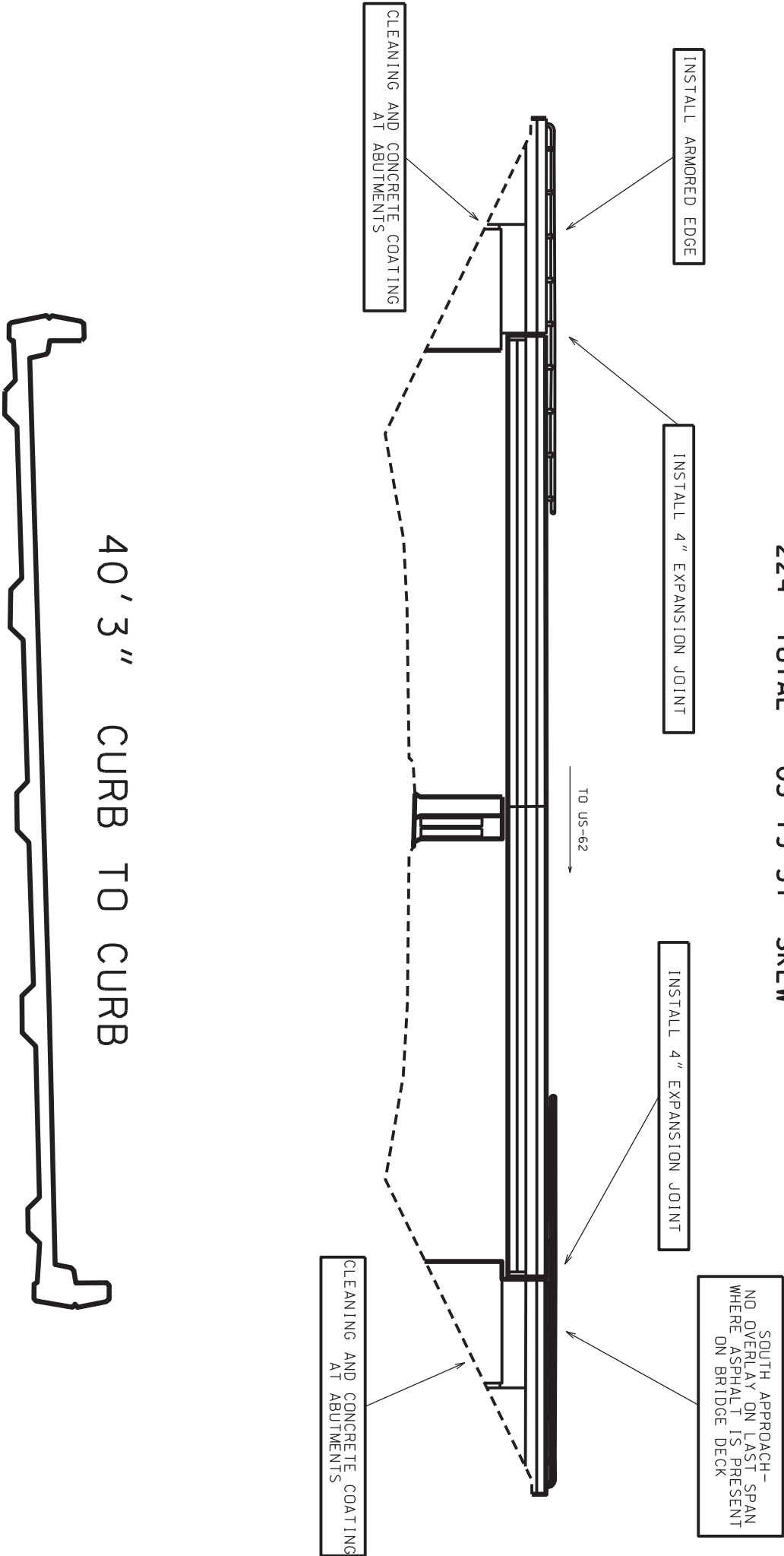
40' 3" CURB TO CURB



073B00105R

TWIN - COMPOSITE WELDED PLATE GIRDERS

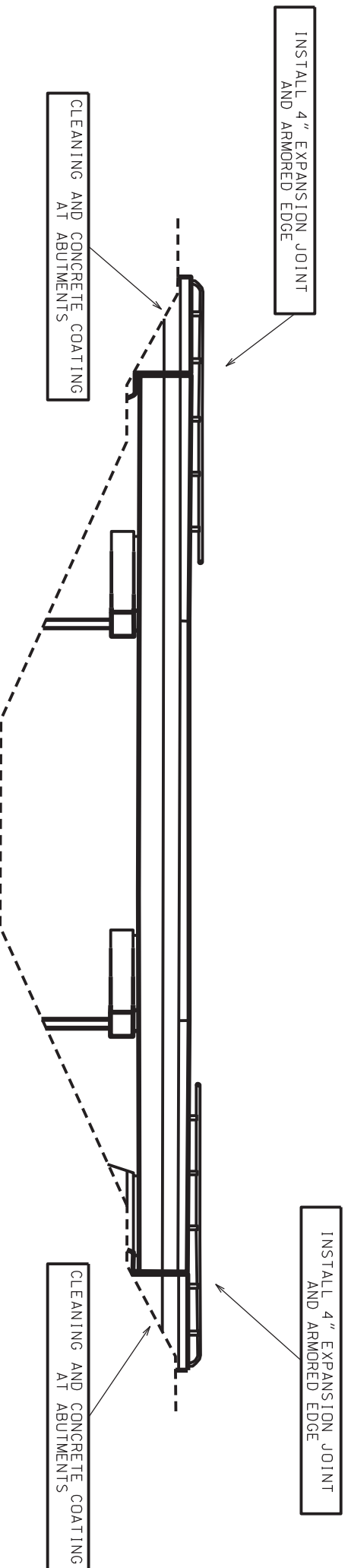
224' TOTAL - 05° 19' 51" SKEW



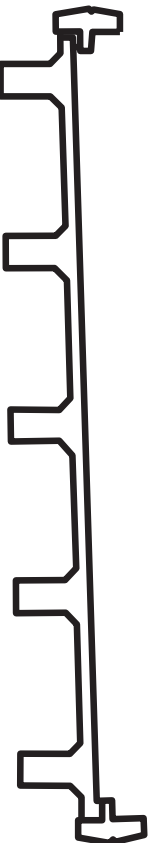
073B00107L&R

TWIN CONT. RCDC

115' TOTAL - 15° SKEW



40' 3" CURB TO CURB



ARMORED EDGE DETAIL

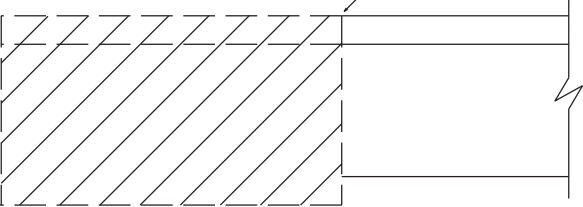
073B00102L&R
073B00105L

073B00105R - NORTH APPROACH

Remove X-Hatched Areas of
Concrete & Expansion Device

1' - 6"

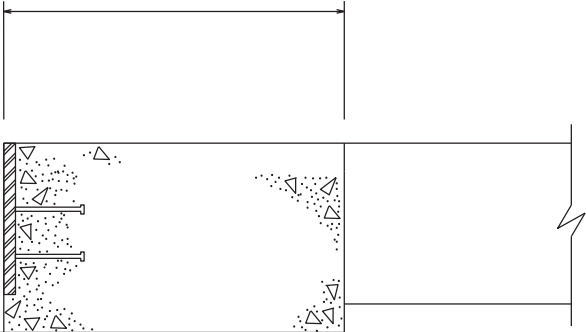
Saw Cut



EXISTING SECTION

Pay Limits for "Armored
Edge Replacement"

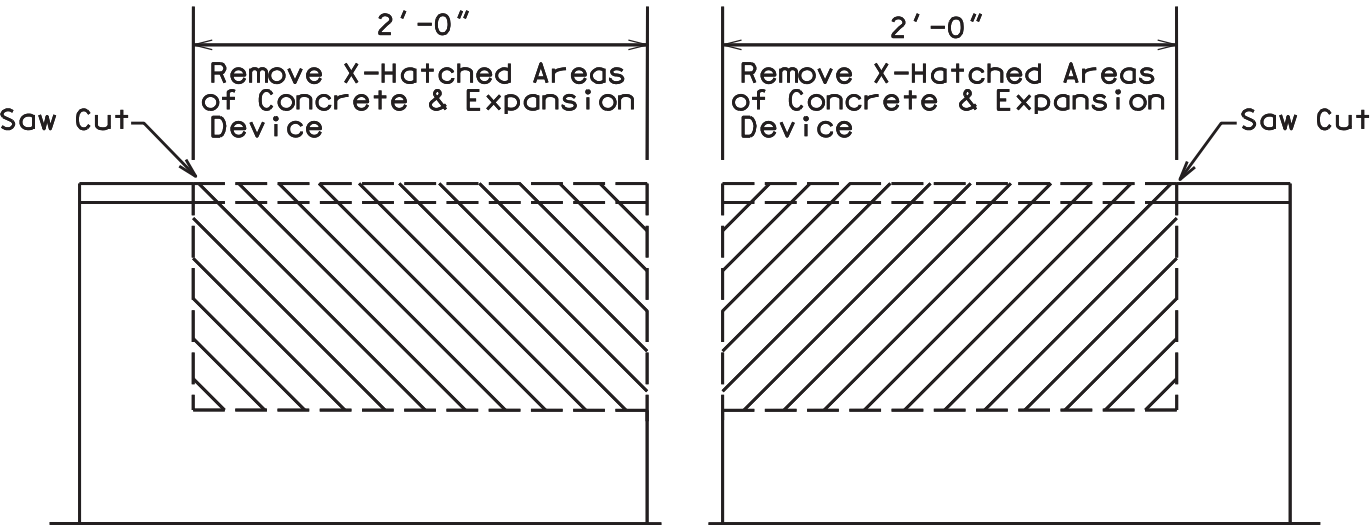
See Standard
Drawing
BJE-001-11



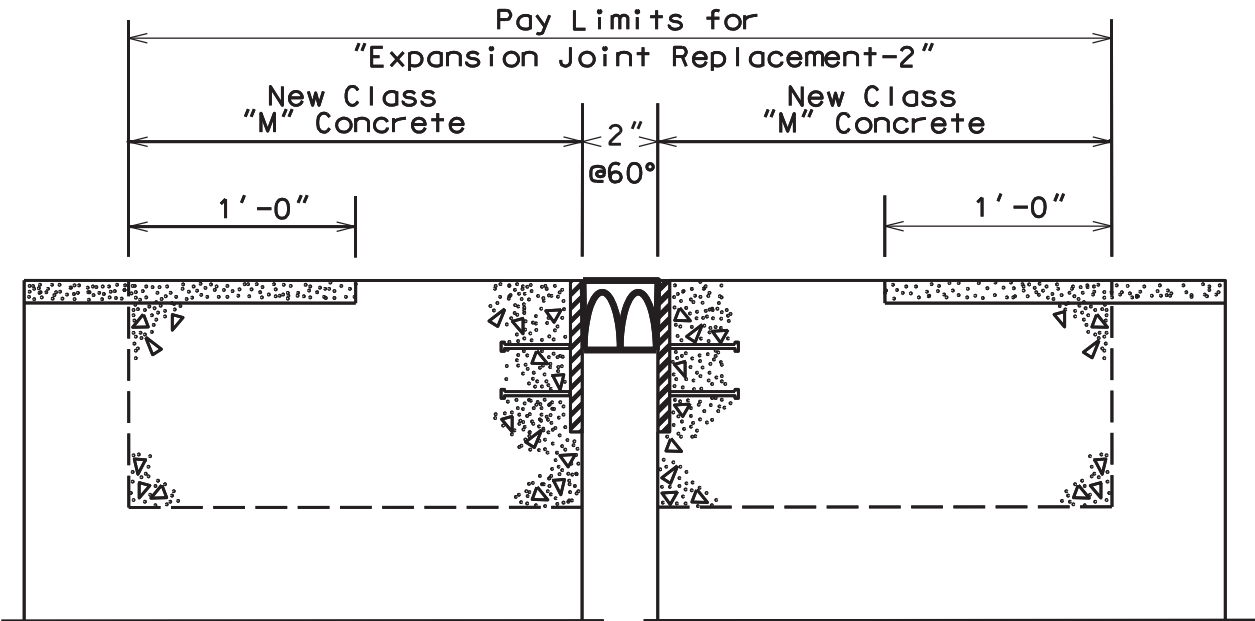
PROPOSED SECTION

EXPANSION DAM DETAIL

"Expansion Joint Replacement-2"



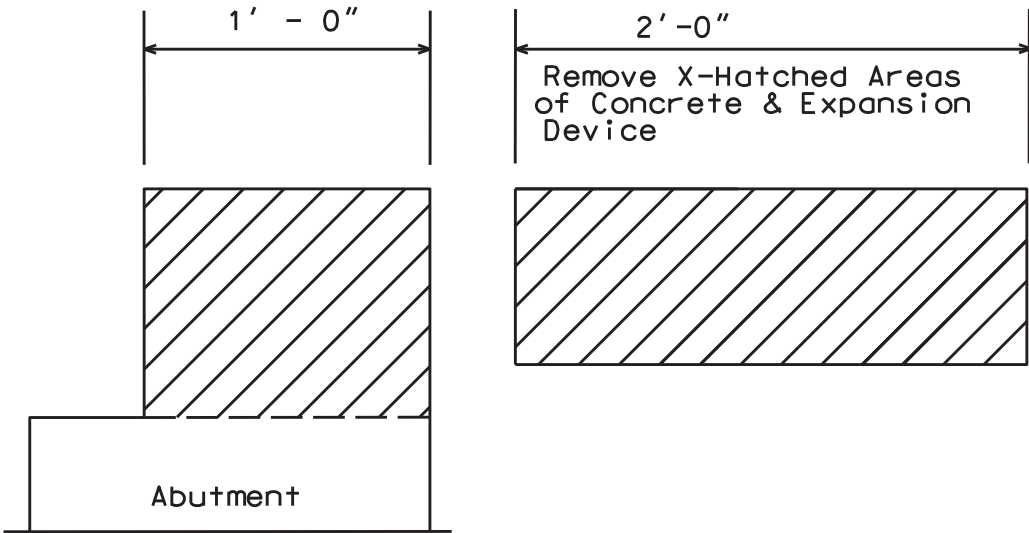
EXISTING SECTION



PROPOSED SECTION

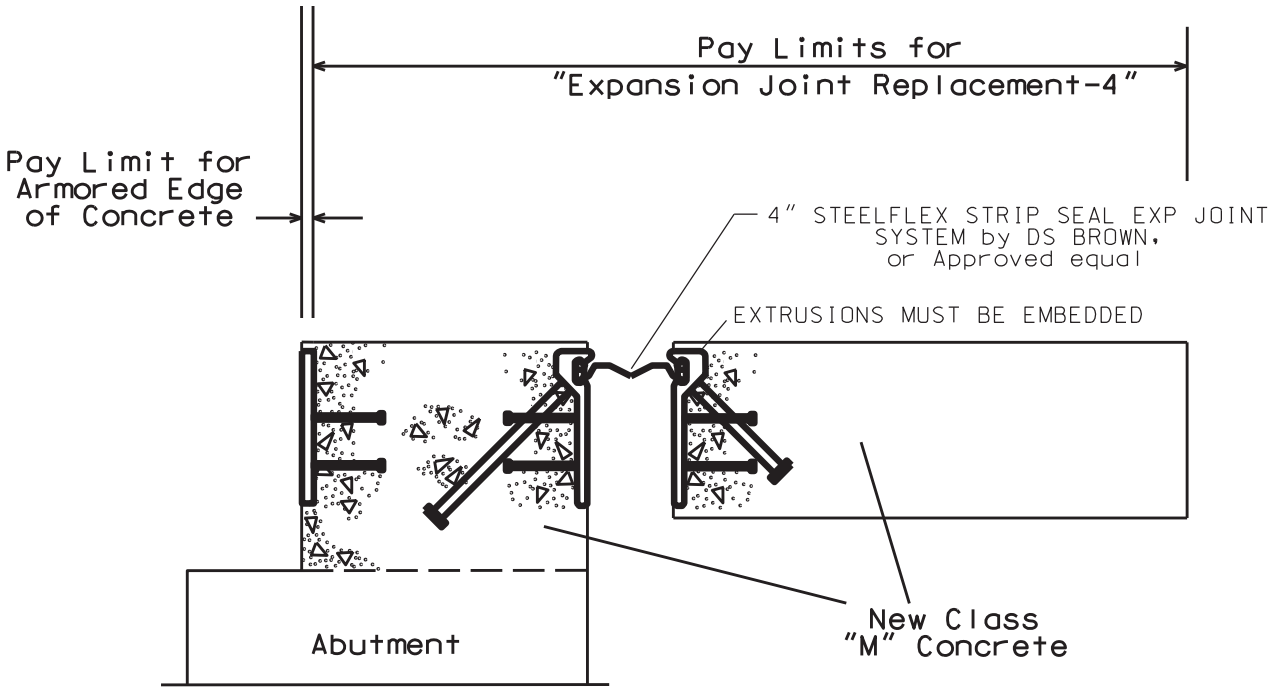
EXPANSION DAM DETAIL

Abutments #1 and #2



Clean & Leave
Steel Reinf.
in place.

EXISTING SECTION

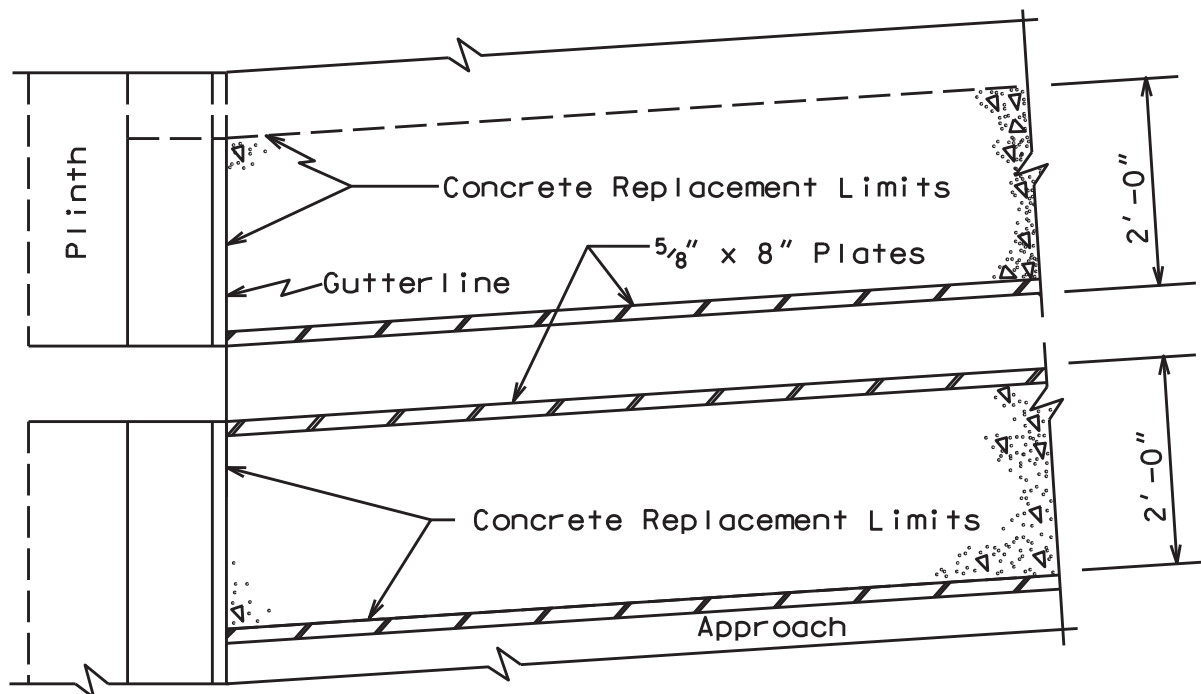


PROPOSED SECTION

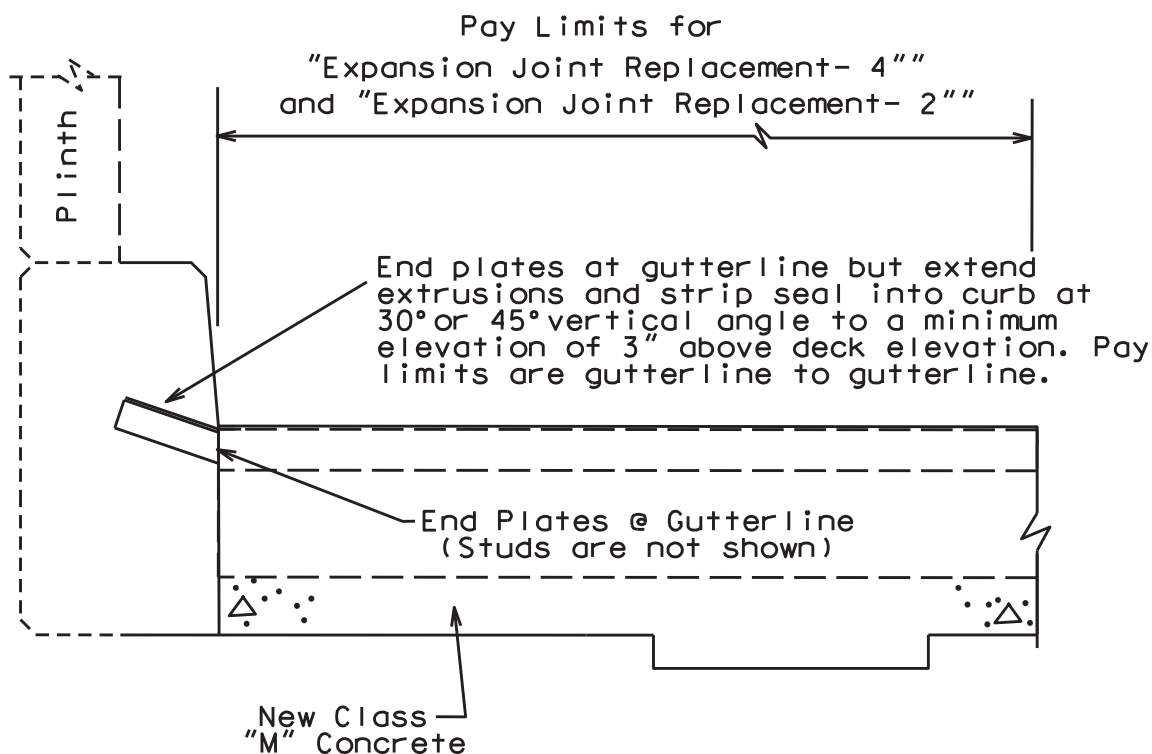
073B00102L&R
073B00105L&R
073B00107L&R

CURB SECTION

ABUTMENT/END BENT



PLAN VIEW @ CURB



PROPOSED SECTION @ CURB

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

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 2016*.

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>

2016 STANDARD DRAWINGS THAT APPLY

ROADWAY
~ *BARRIERS* ~

ENERGY ABSORPTION DEVICES

CRASH CUSHION TYPE VI-BTRBE-100-10

CONCRETE MEDIAN BARRIERS

DELINEATORS FOR CONCRETE BARRIERS.....RBM-020-09
CONCRETE BARRIER WALL TYPE 9T (TEMPORARY).....RBM-115-10

TRAFFIC
~ *TEMPORARY* ~
TRAFFIC CONTROL

LANE CLOSURE TWO-LANE HIGHWAYTTC-100-04
LANE CLOSURE USING TRAFFIC SIGNALSTTC-110-03
LANE CLOSURE MULTI-LANE HIGHWAY CASE ITTC-115-03
LANE CLOSURE MULTI-LANE HIGHWAY CASE II.....TTC-120-03

DEVICES

DOUBLE FINES ZONES SIGNSTTD-120-02
PAVEMENT CONDITION WARNING SIGNSTTD-125-02

BRIDGES
MISCELLANEOUS STANDARDS

BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS.....BGX-009-04

JOINTS

NEOPRENE EXPANSION DAMS AND ARMORED EDGESBJE-001-13

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

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

No present or former public servant shall, within six (6) months following termination of his 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 six (6) months, he personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his 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 as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, 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, 3 Fountain Place, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: January 27, 2017

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



U.S. Wage and Hour Division

PART IV

INSURANCE

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

PART V

BID ITEMS

Report Date 12/27/19

Section: 0001 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02003		RELOCATE TEMP CONC BARRIER	2,100.00	LF		\$	
0020	02562		TEMPORARY SIGNS	894.00	SQFT		\$	
0030	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 073B00102L	1.00	LS		\$	
0040	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 073B00102R	1.00	LS		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 073B00105L	1.00	LS		\$	
0060	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 073B00105R	1.00	LS		\$	
0070	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 073B00107L	1.00	LS		\$	
0080	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 073B00107R	1.00	LS		\$	
0090	02653		LANE CLOSURE	12.00	EACH		\$	
0100	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0110	02775		ARROW PANEL	6.00	EACH		\$	
0120	02898		RELOCATE CRASH CUSHION	6.00	EACH		\$	
0130	02900		INSTALL TEMP CRASH CUSHION	6.00	EACH		\$	
0140	03171		CONCRETE BARRIER WALL TYPE 9T	2,100.00	LF		\$	
0150	03295		EXPAN JOINT REPLACE 2 IN	78.60	LF		\$	
0160	03298		EXPAN JOINT REPLACE 4 IN	406.80	LF		\$	
0170	03299		ARMORED EDGE FOR CONCRETE	445.00	LF		\$	
0180	03304		BRIDGE OVERLAY APPROACH PAVEMENT	4,879.00	SQYD		\$	
0190	06514		PAVE STRIPING-PERM PAINT-4 IN	4,870.00	LF		\$	
0200	06549		PAVE STRIPING-TEMP REM TAPE-B	8,000.00	LF		\$	
0210	06550		PAVE STRIPING-TEMP REM TAPE-W	16,000.00	LF		\$	
0220	06551		PAVE STRIPING-TEMP REM TAPE-Y	16,000.00	LF		\$	
0230	08150		STEEL REINFORCEMENT	2,538.40	LB		\$	
0240	08504		EPOXY SAND SLURRY	556.60	SQYD		\$	
0250	08526		CONC CLASS M FULL DEPTH PATCH	14.00	CUYD		\$	
0260	08534		CONCRETE OVERLAY-LATEX	174.10	CUYD		\$	
0270	08549		BLAST CLEANING	4,728.60	SQYD		\$	
0280	08551		MACHINE PREP OF SLAB	4,171.80	SQYD		\$	
0290	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE APPLIES TO 073B00102L	1.00	LS		\$	
0300	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE APPLIES TO 073B00102R	1.00	LS		\$	
0310	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE APPLIES TO 073B00105L	1.00	LS		\$	
0320	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE APPLIES TO 073B00105R	1.00	LS		\$	
0330	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE APPLIES TO 073B00107L	1.00	LS		\$	
0340	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE APPLIES TO 073B00107R	1.00	LS		\$	

Report Date 12/27/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	24094EC		PARTIAL DEPTH PATCHING	119.10	CUYD		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0360	02569		DEMOBILIZATION	1.00	LS		\$	