CALL NO. 409

CONTRACT ID. 172909

OWEN - PENDLETON - BOONE COUNTIES

FED/STATE PROJECT NUMBER 121GR17M039 - FE02

DESCRIPTION DISTRICT 6 BRIDGE OVERLAYS.

WORK TYPE BRIDGE DECK RESTORATION & WATERPROOFING

PRIMARY COMPLETION DATE 6/30/2018

LETTING DATE: May 26,2017

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME May 26,2017. 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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SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 06

CONTRACT ID - 172909

121GR17M039 - FE02

COUNTY - BOONE

PCN - MB00800141701
FE02 008 0014 B00061L,R

KY 14 (MP 8.758). BRIDGE OVER CSX RAILROADBRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 38:51:33.00 LONGITUDE 84:36:41.00

COUNTY - OWEN

PCN - MB09406071701
FE02 094 0607 B00018N

KY 607 (MP 10.532). BRIDGE OVER CANEY CREEKBRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 38:26:38.00 LONGITUDE 84:42:22.00

PCN - MB09418831701
FE02 094 1883 B00027N

KY 1883 (MP 1.937). BRIDGE OVER CANEY CREEK.BRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 38:28:02.00 LONGITUDE 84:41:33.00

PCN - MB09430961701
FE02 094 3096 B00033N

KY 3096 (MP 3.776). BRIDGE OVER EAGLE CREEKBRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 38:33:51.00 LONGITUDE 84:43:32.00

COUNTY - PENDLETON

PCN - MB09600271701
FE02 096 0027 B00018N

US 27 (MP 15.849). BRIDGE OVER CSX RAILROAD & CR 5011BRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 38:46:28.00 LONGITUDE 84:21:06.00

COMPLETION DATE(S):

COMPLETED BY 06/30/2018	APPLIES TO ENTIRE CONTRACT
30 WORKING Days	APPLIES TO 096B00018N
20 WORKING Days	APPLIES TO 094B00018N
16 WORKING Days	APPLIES TO 094B00033N
10 WORKING Days	APPLIES TO 008B00061L,R
10 WORKING Days	APPLIES TO 094B00027N

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 Expedite Bidding Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. (www.transportation.ky.gov/construction-procurement)

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.

SPECIAL NOTE FOR COMPOSITE OFFSET BLOCKS

Contrary to the Standard Drawings (2016 edition) the Cabinet will allow 6" composite offset blocks in lieu of wooden offset blocks, except as specified on proprietary end treatments and crash cushions. The composite blocks shall be selected from the Cabinet's List of Approved Materials.

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.

06/01/16

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 Expedite Bidding Program. Submittal of the Affidavit should be done along with the bid in Bid Express.

SPECIAL NOTE FOR BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 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 the existing overlay or 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; (7) Maintain and control traffic; and (8) Any other work specified as part of this contract.

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

II. 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.

III. CONSTRUCTION.

A. Machine prep of existing slab. For 094B00033N and 094B00027N, 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. Remove Existing Overlay. In addition to Section 606.03.03, totally remove the existing concrete overlay for 094B00018N and 096B00018N by milling.

C. Partial Depth Slab Repair and Latex Overlay. Remove areas determined to be unsound by the Engineer via hydrodemolition or via hand held 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.

D. Asphalt Approach Pavement. Mill each existing asphalt approach for a distance of 50' for 094B00018N and 008B00061L&R, and 100' for 094B00033N, 094B00027N, and 096B00018N from the bridge ends. For the one rigid approach on 008B00061L&R, repair any damaged rigid approach with Class M concrete. 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 of the condition of the existing approach and final elevation of bridge end. Dispose of all removed material away from the site.

E. Surface Texturing. Texture the concrete surface of the overlay in accordance with Section 609.03.10.

IV. MEASUREMENT. See Section 606 and the following:

A. Latex Modified Concrete for Concrete Overlay. The Department will measure the quantity in cubic yards using the theoretical volume as follows for each bridge:

094B00018N	**(114'x20'x2.0")**	**=**	**14.1 cuyd**
094B00027N	**(129'x22'x1.50")**	**=**	**13.1 cuyd**
094B00033N	**(288'x24'x1.50")**	**=**	**32.0 cuyd**
096B00018N	**(413'x26'x1.50")**	**=**	**49.7 cuyd**

B. Latex Modified Concrete for Partial Depth Patching and variable thickness of Overlay. 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.

C. Machine Prep of Slab. The Department will measure the machine preparation of the existing bridge deck for 094B00033N and 094B00027N in square yards, which shall include all labor, equipment, and material needed to complete this work.

D. Remove Existing Overlay. The Department will measure the removal of the existing overlay for 094B00018N and 096B00018N in square yards, which shall include all labor, equipment, and material needed to complete this work.

E. Steel Reinforcement. The Department will measure any reinforcing steel necessary for the partial or full depth patch in pounds, which shall include all labor, equipment, and material needed to complete this work.

F. Asphalt Approach Pavement. The Department will measure the quantity in square yards, which shall include all labor, equipment, and material needed to complete this work.

V. PAYMENT. See Section 606 and the following:

A. Latex Modified Concrete for Overlay. The Department will make payment for the Latex Modified Concrete under bid item #08534 "CONCRETE OVERLAY – LATEX" for the quantity in cubic yards complete in place.

B. Latex Modified Concrete for Partial Depth Patching and variable thickness of Overlay. The Department will make payment for the Partial Depth Patching under bid item #24094EC "PARTIAL DEPTH PATCHING". Payment will be for the quantity per cubic yard complete in place.

C. Machine Prep of Slab. The Department will make payment for the machine prep of existing slab for 094B00033N and 094B00027N, under bid item #08551 "MACHINE PREP OF SLAB". Payment will be for the square yard complete.

D. Remove Existing Overlay. The Department will make payment for the removal of the existing overlay for 094B00018N and 096B00018N under the bid item #08510

"REM EPOXY BIT FOREIGN OVERLAY". Payment will be for the square yard complete.

E. Steel Reinforcement. The Department will make payment for steel reinforcement, if necessary, under bid item #08150 "STEEL REINFORCEMENT". Payment will be at the unit price per pound.

F. Asphalt Approach Pavement. The Department will make payment for the completed and accepted quantity of this work under the bid item #03304 "BRIDGE OVERLAY APPROACH PAVEMENT".

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 2012 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" neoperene 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 ¾" x 6" 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. Pre-Compressed Horizontal 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, 7750 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. Pre-Compressed Horizontal Expansion Joint System. System shall be supplied in pre-compressed sticks for easy installation. 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.

G. 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

F. Shop Plans. Shop plans will <u>not</u> 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.

SPECIAL NOTE FOR ELIMINATING TRANSVERSE JOINTS ON BRIDGES

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 Standard Specifications for Road and Bridge Construction.

Remove existing concrete and existing joint material to eliminate the transverse joint. Install additional reinforcing steel and place concrete.

II. MATERIALS.

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

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

C. Epoxy Bond Coat. See Section 511.

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 the existing transverse joints, joint filler, and specified areas of concrete as shown on the plans, in accordance with Section 606.02.10 and 606.03.03, and 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 "Eliminate Transverse Joint".

B. Additional Steel Reinforcement. Furnish for this work steel reinforcing bars as shown on the plans. Splice these bars to the existing longitudinal reinforcement in the deck and curb/sidewalk in the areas of removed concrete to tie the slabs together as shown on the plans. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04 prior to pouring the new Class "M" concrete.

C. Place New Concrete. 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.

Place new Class "M" Concrete to the specified grade and finish to receive the new overlay or as shown on the plans. On the sidewalk and curb, place the new concrete to original grade and finish to match the existing curb/sidewalk.

V. MEASUREMENT.

A. Eliminate Transverse Joint. The Department will measure the quantity in linear feet from plinth to plinth perpendicular to the centerline of the bridge.

B. Steel Reinforcement. See Section 602.

VI. PAYMENT.

A. Eliminate Transverse Joint. Payment at the contract unit price per linear foot is full compensation for furnishing equipment, labor, tools and materials needed to complete removal and disposal of the specified existing materials, cleaning and straighting of existing steel reinforcement, furnishing and installing the concrete, and all incidental items necessary to complete the work (except the overlay material if specified elsewhere in the contract) within the specified pay limits as indicated on the drawings.

B. Steel Reinforcement. See Section 602.

SPECIAL NOTE FOR BRIDGE BARRIER WALL RETROFIT

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 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 spalled/delaminated concrete (3) Prepare the existing surface (4) Any other work specified as part of this contract.

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

II. MATERIALS.

A. CLASS AA Concrete. See Section 606.03.17.

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

III. CONSTRUCTION.

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

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

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

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

The Contractor shall dispose all removed material off State Right Of Way in an approved site.

The Department will not measure material removal and will consider this work incidental to the bid item "BRIDGE BARRIER RETROFIT".

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

C. Construct new barrier wall. Form and pour new barrier wall in accordance with the detailed drawings.

IV. MEASUREMENT. See Section 606 and the following:

A. Bridge Barrier Retrofit. The Department will measure the quantity in linear feet from bridge end to bridge end.

V. PAYMENT. See Section 606 and the following:

A. Bridge Barrier Retrofit. The Department will make payment for the Bridge Barrier Retrofit under bid item #23032EN "BRIDGE BARRIER RETROFIT" for complete quantity in place. Payment will be full compensation for all materials for the construction of the bridge barrier wall retrofit, including but not limited to, all concrete and reinforcing steel. Payment will also be full compensation for all labor for the construction of the bridge barrier wall retrofit, including but not limited to, all drilling and epoxying of reinforcement steel, forming, pouring and removing formwork of the barrier. Guardrail, end treatments, and bridge connections will all be pay items.

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 June 30, 2018. An allotted number of Working days are assigned to each structure in this contract as shown below.

STRUCTURE	NO. OF WORKING DAYS	COMPLETION DATE
008B00061L	10	June 30, 2018
008B00061R	10	June 30, 2018
094B00018N	20	June 30, 2018
094B00027N	10	June 30, 2018
094B00033N	16	June 30, 2018
096B00018N	30	June 30, 2018

Contrary to Section 108.07.02, the Engineer will begin charging working 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 2012 Standard Specifications for Road and Bridge Construction, Section 108.09, when either the allotted number of working days or the June 30, 2018 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 2012 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

For 096B00018N, maintain one lane of traffic during construction in accordance with Standard Drawing No. TTC-110 for lane closures, and the attached detail drawing. The minimum clear lane width required shall be 12'-0".

For 008B00061L and 008B00061R, the Contractor shall maintain one lane of traffic on the highway at all times in accordance with Standard Drawing No. TTC-120. The clear lane width required is:

Structure	Clear Lane Width
008B00061L	13 feet
008B00061R	13 feet

Lane closures will not be permitted on these days:

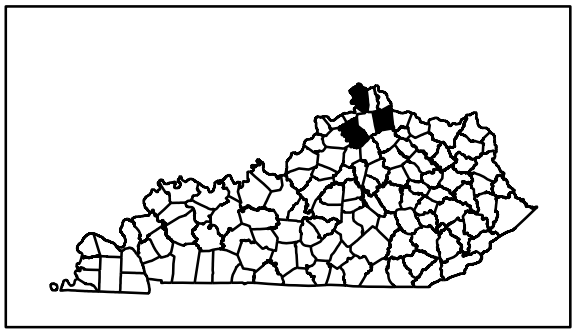
Memorial Day Weekend (Friday-Monday)
Independence Day, when July 4th is on Tuesday, Wednesday, or Thursday; or
Independence Day Weekend, when July 4th is on Monday (Saturday-Monday) or Friday (Friday-Sunday)
Labor Day Weekend (Friday-Monday)

For 094B00018N, 094B00027N, and 094B00033N, the contractor shall close the bridge in accordance with the detour drawing for each bridge.

VI. TEMPORARY SIGNAL

For 096B00018N, provide install, and maintain a temporary 2 phase traffic signal. The Contractor must provide a 24-hour contact person and number available to maintain the temporary signals as needed.

BOONE, OWEN, & PENDLETON COUNTIES



BRIDGE 008B00061L,R
KY 14 (MP 8.759)
OVER CSX RR
LatDD= 38.8592, LonDD= -84.6114

BRIDGE 094B00033N
KY 3096 (MP 3.776)
OVER EAGLE CREEK
LatDD= 38.5642, LonDD= -84.7255

BRIDGE 094B00018N
KY 607 (MP 10.531)
OVER CANEY CREEK
LatDD= 38.4439, LonDD= -84.7059

BRIDGE 094B00027N
KY 1883 (MP 1.937)
OVER CANEY CREEK
LatDD= 38.4670, LonDD= -84.6924

BRIDGE 096B00018N
US 27 (MP 15.849)
OVER CSX RR & CR 5011
LatDD= 38.7744, LonDD= -84.3516

MATERIAL SUMMARY

CONTRACT ID: 172909 **121GR17M039 - FE02** **MB00800141701**

KY 14 (MP 8.758). BRIDGE OVER CSX RAILROAD BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0370	02562	TEMPORARY SIGNS	149.00	SQFT
0375	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 008B00061L	1.00	LS
0380	02653	LANE CLOSURE	2.00	EACH
0385	02775	ARROW PANEL	1.00	EACH
0390	03295	EXPAN JOINT REPLACE 2 IN	82.20	LF
0395	03299	ARMORED EDGE FOR CONCRETE	82.20	LF
0400	03304	BRIDGE OVERLAY APPROACH PAVEMENT	444.00	SQYD
0405	06514	PAVE STRIPING-PERM PAINT-4 IN	233.00	LF
0410	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0415	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0420	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0425	08150	STEEL REINFORCEMENT	267.20	LB
0430	02569	DEMOBILIZATION	1.00	LS
0435	02562	TEMPORARY SIGNS	149.00	SQFT
0440	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 008B00061R	1.00	LS
0445	02653	LANE CLOSURE	2.00	EACH
0450	02775	ARROW PANEL	1.00	EACH
0455	03295	EXPAN JOINT REPLACE 2 IN	82.20	LF
0460	03299	ARMORED EDGE FOR CONCRETE	82.20	LF
0465	03304	BRIDGE OVERLAY APPROACH PAVEMENT	222.00	SQYD
0470	06514	PAVE STRIPING-PERM PAINT-4 IN	233.00	LF
0475	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0480	06550	PAVE STRIPING-TEMP REM TAPE-W	2,000.00	LF
0485	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0490	08150	STEEL REINFORCEMENT	267.20	LB

MATERIAL SUMMARY

CONTRACT ID: 172909 **121GR17M039 - FE02** **MB09406071701**

KY 607 (MP 10.532). BRIDGE OVER CANEY CREEK BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02562	TEMPORARY SIGNS	170.00	SQFT
0010	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 094B00018N	1.00	LS
0015	03299	ARMORED EDGE FOR CONCRETE	40.00	LF
0020	03300	ELIMINATE TRANSVERSE JOINT	48.00	LF
0025	03304	BRIDGE OVERLAY APPROACH PAVEMENT	222.00	SQYD
0030	06514	PAVE STRIPING-PERM PAINT-4 IN	285.00	LF
0035	08150	STEEL REINFORCEMENT	868.40	LB
0040	08504	EPOXY SAND SLURRY	97.10	SQYD
0045	08510	REM EPOXY BIT FOREIGN OVERLAY	253.00	SQYD
0050	08526	CONC CLASS M FULL DEPTH PATCH	4.00	CUYD
0055	08534	CONCRETE OVERLAY-LATEX	14.10	CUYD
0060	08549	BLAST CLEANING	350.00	SQYD
0065	24094EC	PARTIAL DEPTH PATCHING	7.00	CUYD
0070	02569	DEMOBILIZATION	1.00	LS
0075	02371	GUARDRAIL END TREATMENT TYPE 7	4.00	EACH
0080	02351	GUARDRAIL-STEEL W BEAM-S FACE	100.00	LF
0085	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH
0090	02014	BARRICADE-TYPE III	2.00	EACH
0095	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0100	23032EN	BRIDGE BARRIER RETROFIT	248.00	LF

MATERIAL SUMMARY

CONTRACT ID: 172909 **121GR17M039 - FE02** **MB09418831701**

KY 1883 (MP 1.937). BRIDGE OVER CANEY CREEK. BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0290	02562	TEMPORARY SIGNS	145.00	SQFT
0295	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 094B00027N	1.00	LS
0300	03299	ARMORED EDGE FOR CONCRETE	44.00	LF
0305	03300	ELIMINATE TRANSVERSE JOINT	52.00	LF
0310	03304	BRIDGE OVERLAY APPROACH PAVEMENT	489.00	SQYD
0315	06514	PAVE STRIPING-PERM PAINT-4 IN	658.00	LF
0320	08150	STEEL REINFORCEMENT	868.40	LB
0325	08504	EPOXY SAND SLURRY	109.90	SQYD
0330	08526	CONC CLASS M FULL DEPTH PATCH	4.00	CUYD
0335	08534	CONCRETE OVERLAY-LATEX	13.10	CUYD
0340	08549	BLAST CLEANING	425.00	SQYD
0345	08551	MACHINE PREP OF SLAB	315.00	SQYD
0350	24094EC	PARTIAL DEPTH PATCHING	8.80	CUYD
0355	02569	DEMOBILIZATION	1.00	LS
0360	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0365	02014	BARRICADE-TYPE III	2.00	EACH

MATERIAL SUMMARY

CONTRACT ID: 172909 **121GR17M039 - FE02** **MB09430961701**

KY 3096 (MP 3.776). BRIDGE OVER EAGLE CREEK BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0105	02562	TEMPORARY SIGNS	145.00	SQFT
0110	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 094B00033N	1.00	LS
0115	03299	ARMORED EDGE FOR CONCRETE	48.00	LF
0120	03300	ELIMINATE TRANSVERSE JOINT	140.00	LF
0125	03304	BRIDGE OVERLAY APPROACH PAVEMENT	533.00	SQYD
0130	08150	STEEL REINFORCEMENT	1,770.20	LB
0135	08504	EPOXY SAND SLURRY	245.30	SQYD
0140	08526	CONC CLASS M FULL DEPTH PATCH	10.00	CUYD
0145	08534	CONCRETE OVERLAY-LATEX	32.00	CUYD
0150	08549	BLAST CLEANING	1,013.00	SQYD
0155	08551	MACHINE PREP OF SLAB	768.00	SQYD
0160	24094EC	PARTIAL DEPTH PATCHING	21.30	CUYD
0165	02569	DEMOBILIZATION	1.00	LS
0170	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0175	02014	BARRICADE-TYPE III	2.00	EACH

MATERIAL SUMMARY

CONTRACT ID: 172909 **121GR17M039 - FE02** **MB09600271701**

US 27 (MP 15.849). BRIDGE OVER CSX RAILROAD & CR 5011 BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0180	02562	TEMPORARY SIGNS	149.00	SQFT
0185	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 096B00018N	1.00	LS
0190	02653	LANE CLOSURE	2.00	EACH
0195	03295	EXPAN JOINT REPLACE 2 IN	52.00	LF
0200	03299	ARMORED EDGE FOR CONCRETE	52.00	LF
0205	03300	ELIMINATE TRANSVERSE JOINT	62.00	LF
0210	03304	BRIDGE OVERLAY APPROACH PAVEMENT	578.00	SQYD
0215	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0220	06514	PAVE STRIPING-PERM PAINT-4 IN	2,052.00	LF
0225	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0230	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0235	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0240	08150	STEEL REINFORCEMENT	1,135.60	LB
0245	08504	EPOXY SAND SLURRY	397.70	SQYD
0250	08510	REM EPOXY BIT FOREIGN OVERLAY	1,193.00	SQYD
0255	08526	CONC CLASS M FULL DEPTH PATCH	6.00	CUYD
0260	08534	CONCRETE OVERLAY-LATEX	49.70	CUYD
0265	08549	BLAST CLEANING	1,591.00	SQYD
0270	24094EC	PARTIAL DEPTH PATCHING	33.10	CUYD
0275	02569	DEMOBILIZATION	1.00	LS
0280	02677	ASPHALT PAVE MILLING & TEXTURING	60.00	TON
0285	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS

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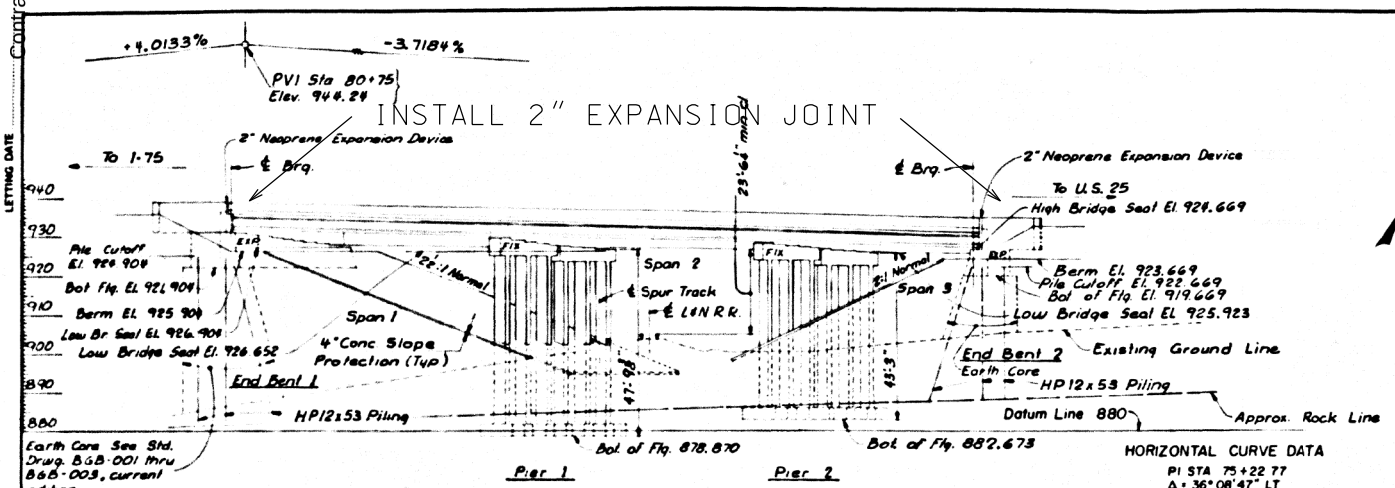
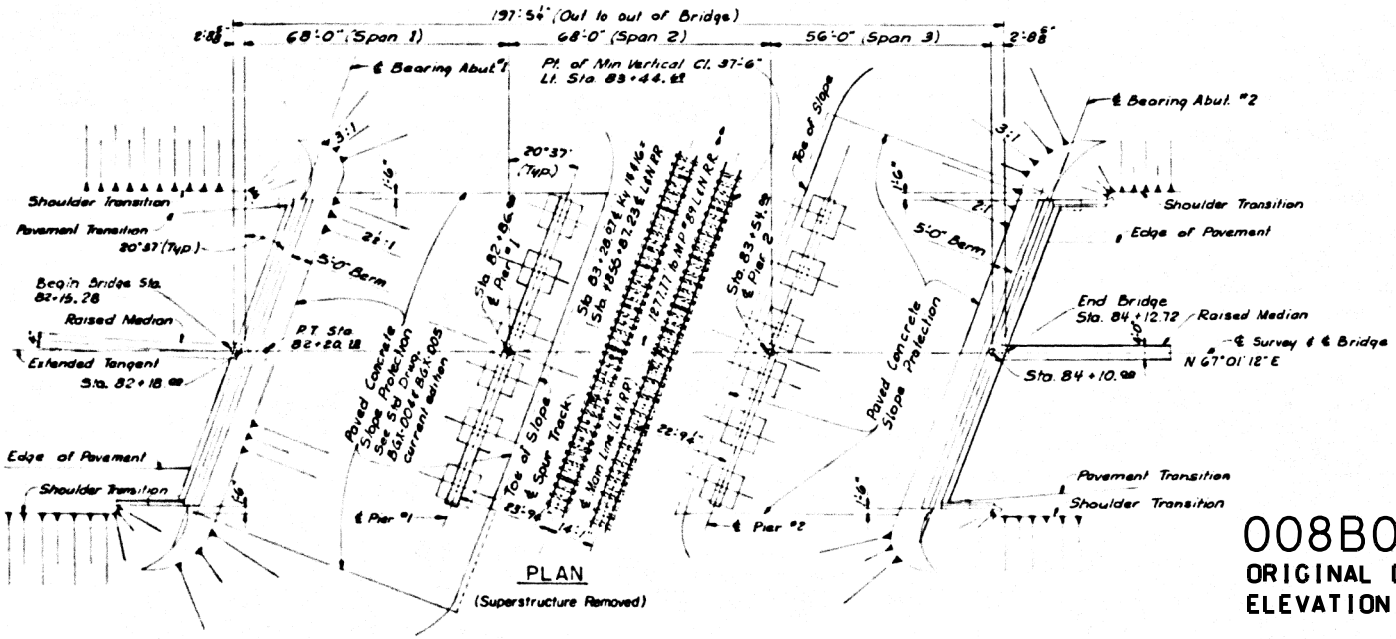


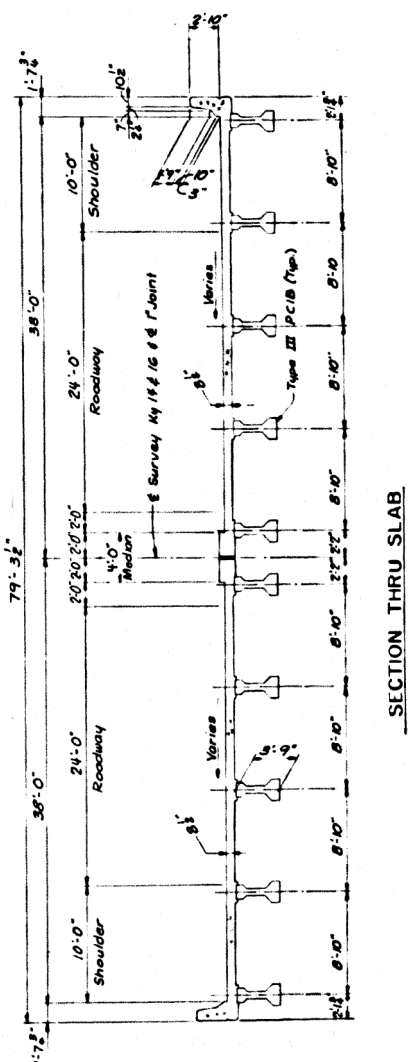
ELEVATION

68', 68', 56' CONTINUOUS FOR LIVE LOAD TYPE III
PCIB SPANS – HS20-44 LOADING - 20° 37' RIGHT
SKEW – SLOPES VARY – TWIN 24' ROADWAYS – 76'-0"
SHOULDERS – 4'-0" MEDIAN

HORIZONTAL CURVE DATA
PI STA 75+22.77
Δ = 36°08'47" LT
C = 2°30'
T = 747.90'
L = 1445.86'
R = 2291.83'
E = 118.95'
e = 0.046 ft/ft
RUNOFF = 250'
RUNOUT = 175'



PLAN
(Superstructure Removed)



SECTION THRU SLAB

Ky 14 & 16 over L&N RR

Sheet 4 of 19

008B00061L, R

ORIGINAL DRAWING & ELEVATION DRAWING

LAYOUT

COMMONWEALTH OF KENTUCKY
BUREAU OF HIGHWAYS
FRANKFORT
COUNTY OF
BOONE
I-75 WALTON CONNECTOR (KY 14 & 16)
ROAD
STATION 83+28.07
P.E. PROJECT NO.
CONSTRUCTION PROJECT NO.
MAINTENANCE PROJECT NO.
DRAWING NO. 19709

LETTING DATE
OWEN - PENDLETON - BOONE COUNTIES
121GR17M039 FE02

Contract ID: 172909
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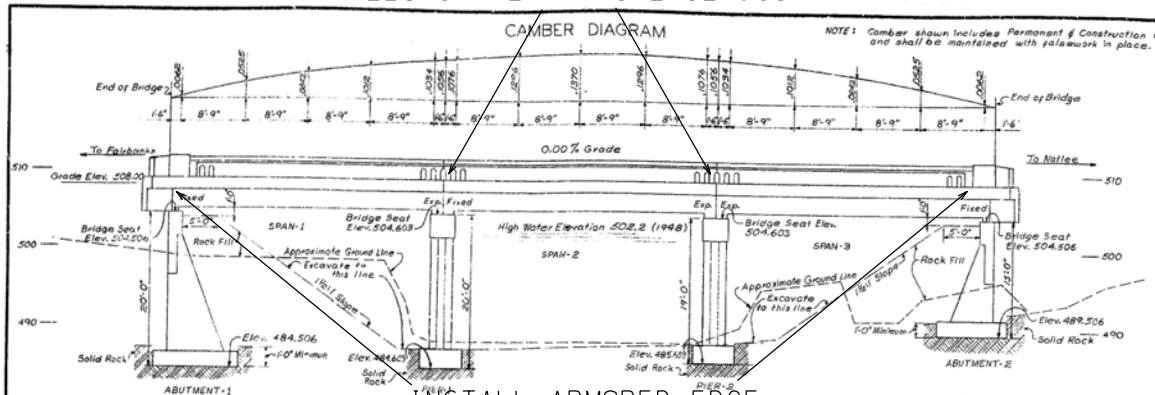
ELIMINATE TRANSVERSE JOINT

CAMBER DIAGRAM

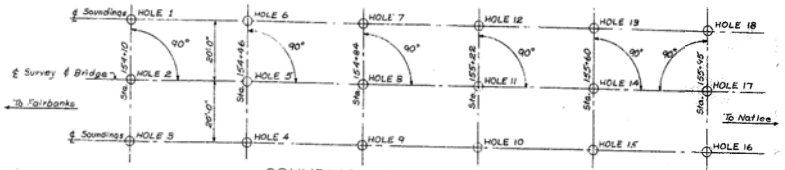
NOTE: Camber shown includes Permanent & Construction Camber and shall be maintained with falsework in place.



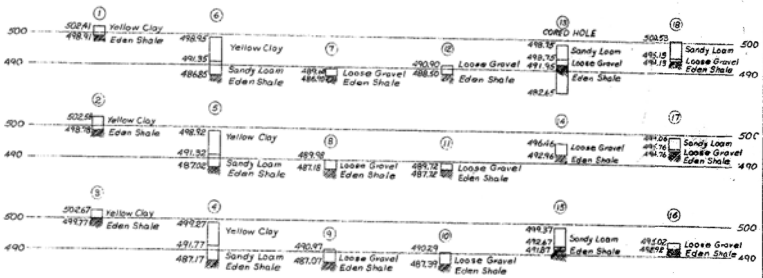
INSTALL ARMORED EDGE

ELEVATION

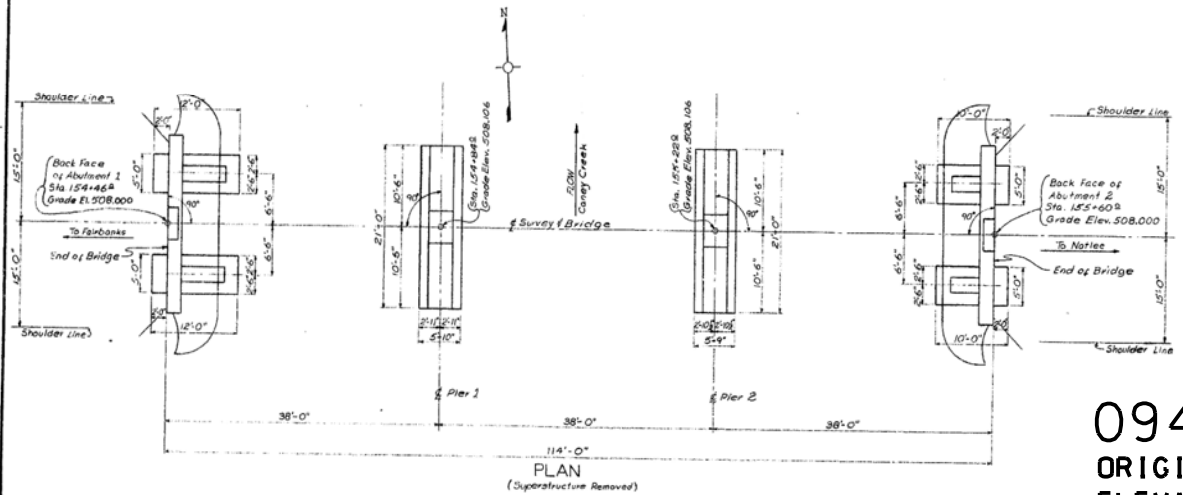
3-35'0" R.C.D.G. Spans
20'-0" Roadway 30'-0" Shoulders
1½:1 Fill Slopes
H15-44 Loading



SOUNDING LOCATION DIAGRAM



SOUNDINGS



PLAN

(Superstructure Removed)

GENERAL NOTE

SPECIFICATIONS:	Kentucky Department of Highways, 1945 Standard with Amendments.
DESIGN LOAD:	Bridge designed for H15-44 loading as specified in A.A.S.H.O. Specifications 1949.
CONCRETE:	Class "A" concrete to be used throughout, except in Handrail. Class "D" concrete to be used in Handrail.
REINFORCEMENT:	Dimensions shown from face of concrete to bars are clear distances except as otherwise shown. Dimensions for bar spacing are distances center to center of bars. See Emergency Provision No. 10.
BEVELED EDGES:	All exposed edges shall be beveled ⅞" unless otherwise noted.
TAR PAPER:	To be commercial grade Tar Paper or Roofing Felt, approximately 1/16" thick.
FLOOR DRAINS-EXPANSION JOINT MATERIAL-COPPER STRIP-TAR PAPER:	The cost of these items to be included in the unit price bid for Class "A" Concrete.
PLACING FILL:	The fill material shall be placed in front and back of Abutments in accordance with the Specifications.

094B00018N

ORIGINAL DRAWING & ELEVATION DRAWING

G 420-A (2 Sheets)
G 351
P 115

TOTAL ESTIMATE OF QUANTITIES

ITEM	SHEET NO.	CONCRETE CLASS "A" CU. YDS.	CONCRETE CLASS "D" CU. YDS.	REINFORCEMENT LBS.	EXCAVATION COMMON CU. YDS.	EXCAVATION SOLID ROCK CU. YDS.	CHANNEL CHANGE
LAYOUT	1						
ABUTMENT-1	6	27.6		3420	110	30	
ABUTMENT-2	3	23.0		2950	50	30	
PIER-1	P115	35.7		2900	30	20	
PIER-2	P115	37.1		3000	20	20	
35' R.C.D.G. SPAN-1	G420A	47.9		11 570			
35' R.C.D.G. SPAN-2	"	46.9		11 480			
35' R.C.D.G. SPAN-3	"	47.9		11 570			
REVISION TO CURBS, SPANS 1 & 2	4	1.6		560			
HANDRAIL, SPANS 1,2 & 3	4		11.5	2620			
COPPER STRIP & EXP. JT. MATERIAL	G351						
TOTALS		269.7	11.5	59,000	210	100	

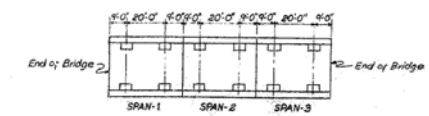
See Road Plans

BILL OF INCIDENTAL MATERIAL

ITEM	NO.	DESCRIPTION
COPPER STRIP	2	See Sketch below & Std. Dwg. G 351
EXPANSION JOINT MATERIAL	2	¾" × 31'-6" × 19'-9" Joints Piers 1 & 2
" " "	4	¾" × 11'-5" × 8½" " "
" " "	1	¾" × 1'-6" × 20'-9" Pier 1
" " "	1	¾" × 3'-0" × 20'-9" Pier 2
DRAINS	12	See Std. Dwg. G 420A & This Sheet

NOTE: Quantities shown in Bill of Incidental Material are approximate only, and the contractor is responsible for furnishing enough material to complete the work in accordance with the Specifications.

SECTION THRU COPPER STRIP



SKETCH SHOWING LOCATION OF FLOOR DRAINS

(12 Required)

(For details & specifications of Floor Drains see Std. Drawing G 420-A)

Bridge over Caney Creek — Sheet 1 of 4

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
OWEN
FAIRBANKS - NATLEE
ROAD
STATION 155+03ª PROJECT NO. S 197 01
BRIDGE NUMBER 94-333-1

DESIGNED BY: Eubank CHECKED BY:
DETAILED BY: CHECKED BY:
TRACED BY: CHECKED BY:

REVISED: DATE:
REVISED: DATE:
REVISED: DATE:

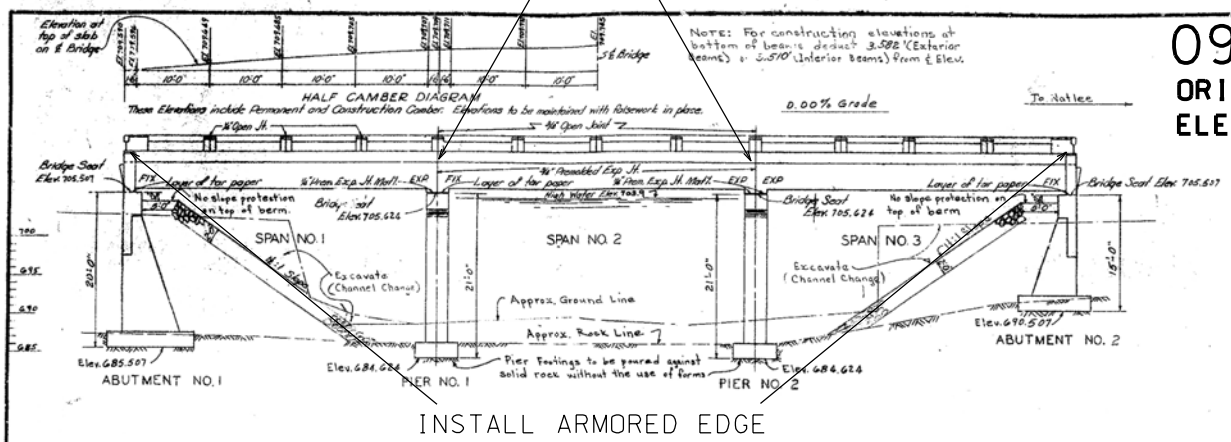
OWEN - PENDLETON - BOONE COUNTIES
121GR17M039 - [illegible]02

Contract ID: 172909 Page 30 of 56

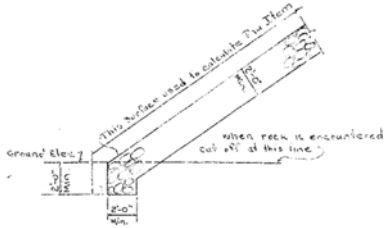
ELIMINATE TRANSVERSE JOINT

094B00027N

ORIGINAL DRAWING & ELEVATION DRAWING



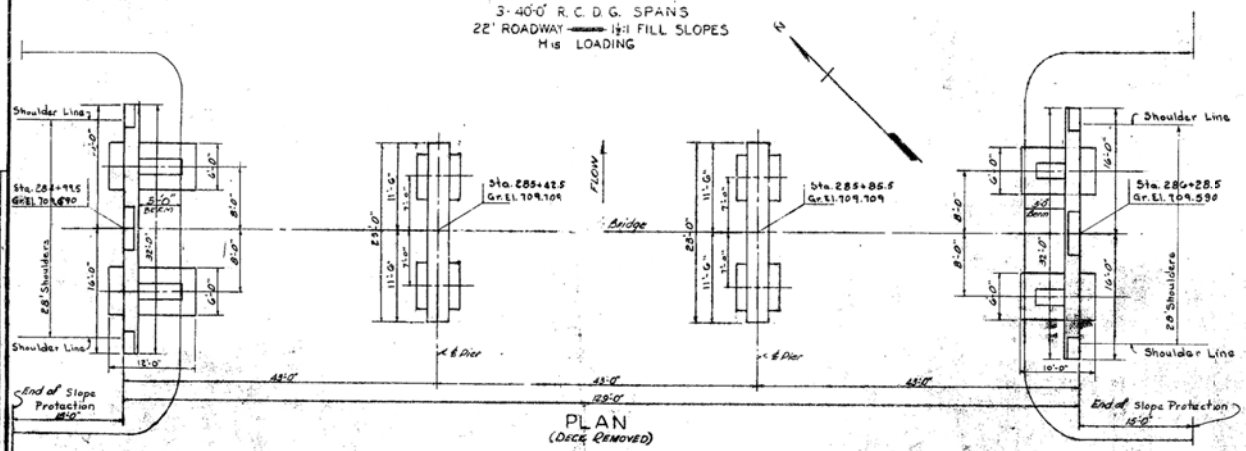
INSTALL ARMORED EDGE



SECTION THRU TOE OF SLOPE PROTECTION
On stream side, take slope protection to solid rock at abutments 1 & 2 as shown on Elevation. Take remainder 2' below ground.

ELEVATION

3-40'-0" R. C. D. G. SPANS
22' ROADWAY — 1½:1 FILL SLOPES
H-15 LOADING



PLAN
(DECK REMOVED)

ESTIMATE OF QUANTITIES

ITEM	SHEET No.	CONCRETE (CU. YDS.) CLASS A	CLASS D	REINFORCEMENT (LBS.)	STRUCTURE EXCAV. (CU. YDS.) COMMON	SOLID ROCK	BRONZE PLATES (LBS.)	CHANNEL CHANGE	REMOVE EXISTING STRUCTURE (SQ. YDS.)	SLOPE PROTECTION (SQ. YDS.)
Layout	1									
Abutment No.1	2	37.0		4520	140	20				200
Pier No. 1	3	31.3		3672	30	15				
Pier No. 2	3	31.3		3672	30	20				
Abutment No.2	4	30.1		4015	75	20				280
Span No.1	G-622-A	62.2		12232			504			
Span No. 2	G-622-A	60.8		12156			504			
Span No. 3	G-622-A	62.2		12232			504			
Handrail	H-74		6.7	2251						
TOTAL		314.9	6.7	55119	275	75	912			480

GENERAL NOTE

SPECIFICATIONS : Kentucky Department of Highways, 1951 Standard with amendments.
DESIGN LOAD : Bridge designed for H-15 loading as specified in A.A.S.H.O. Specifications, 1935 Edition.
CONCRETE : Class "A" concrete to be used throughout except in handrail. Cls. "D" concrete to be used in the rail.
SLOPE PROTECTION : Slope protection to be Cyclopean stone without mortar in accordance with Specifications.

REINFORCEMENT : Dimensions shown from face of concrete to bars are clear distances unless otherwise shown. Dimensions for bar spacing are distances center to center of bars. The deformations of all reinforcing bars shall conform to A.S.T.M. specifications A 305 current specifications.

EXP. JOINT MATERIAL, COPPER STRIP, TAR PAPER & DRAINS : The cost of these items to be included in the unit price bid for Class "A" concrete.
TAR PAPER : To be commercial grade tar paper or roofing felt approximately 1/16" thick.
BEVELED EDGES : All exposed edges to be beveled ¾" unless otherwise noted.
REMOVE EXISTING STRUCTURE : This contract includes removal of the existing structure in accordance with the plans and Specifications. The steel stringers shall be carefully removed and stacked in a place designated by the resident engineer. The cost of this work shall be included in the Lump Sum bid for the removal of existing structure.

BILL OF INCIDENTAL MATERIAL

ITEM	NO. OF PIECES	SIZE	LOCATION
Premolded Exp. Jt. Matl.	2	½" x 2½" x 21'-9"	Between Spans
" " " "	4	½" x 1'-6" x 2'-1"	" "
" " " "	1	½" x 1'-6" x 22'-9"	Top of Pier No.1
" " " "	1	½" x 3'-0" x 22'-9"	Top of Pier No.2
" " " "	1	½" x 1'-6" x 13'-0"	Wings on Abut.
Copper Strip	2	25'-0" long See G.351	Between Spans
Drains	18		See G.222-A

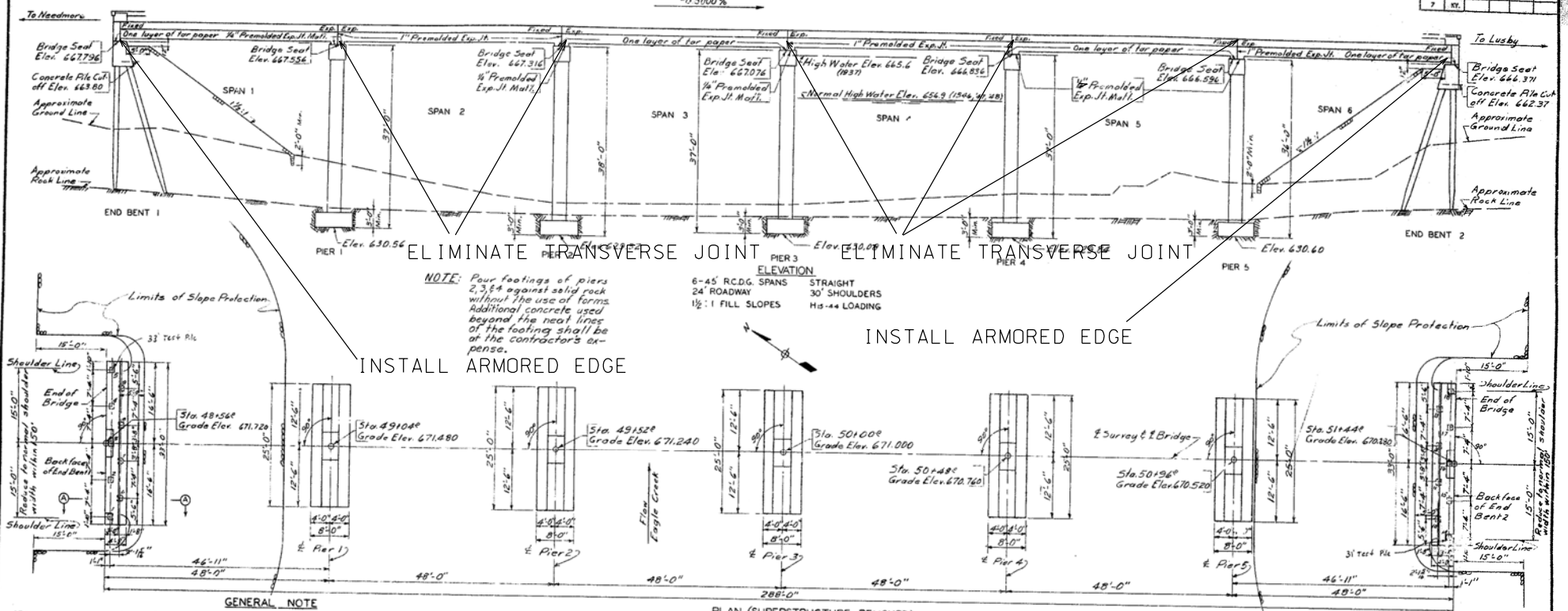
NOTE: Quantities given above are approximate only, and the contractor is responsible for furnishing enough material to complete the work in accordance with the plans and specifications.

BRIDGE OVER CANEY CREEK. SHEET 1 of 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
OWEN
SWOPE-NATLEE
ROAD
STATION 285+64 PROJECT NO.
BRIDGE NUMBER

OWEN - PENDLETON - BOONE COUNTIES 121GR17M039 J FED

Contract ID: 172909 Page 31 of 56



GENERAL NOTE

SPECIFICATIONS: Kentucky Department of Highways, 1986 Standard with Amendments.

DESIGN LOAD: Bridge designed for H15-44 loading as specified in A.A.S.H.O. 1957 Specifications.

CONCRETE: Class "A" concrete to be used throughout except in Handrail and Piles. Class "D" concrete to be used in Handrail and Piles.

REINFORCEMENT: Dimensions from the face of concrete to bars are clear distances except as otherwise shown. Dimensions for bar spacing are distances center to center of bars.

TAR PAPER: To be commercial grade Tar Paper or Roofing Felt, approximately 1/16" thick.

BEVELED EDGES: All exposed edges to be beveled ¾" unless otherwise noted.

PLACING FILL: The fill material shall be placed in front and back of End Bents 1 & 2 in accordance with the Specifications. Fill at End Bent 1 to be at Elev. 662.80 and Fill at End Bent 2 to be at Elev. 661.37 before driving piles.

SLOPE PROTECTION: Slope protection shall be Dry Cyclopean Stone Riprap in accordance with Division 6, Section 3 of the Specifications.

ORDER OF CONSTRUCTION: Piers 1 and 5 shall be constructed and backfilled before placing embankment and driving piles for End Bents 1 and 2.

FLOOR DRAINS, EXPANSION JOINT MATERIAL, COPPER STRIPS, TAR PAPER: The cost of these items to be included in the unit price bid for Class "A" concrete.

PILING: Piles are to be 14" R.C. Piles in accordance with standard Drawing P2. Test piles are to be accurately located so as to used in finished structure. Piles are to be driven to rock or to refusal and to sustain a minimum load of 50 tons per pile. Holes may be cored through compacted fill to facilitate driving of piles. Jetting of piles to obtain desired bearing is permissible. Cost of coring holes and Jetting to be included in unit price bid for driving piles.

PLAN (SUPERSTRUCTURE REMOVED)

TOTAL ESTIMATE OF QUANTITIES

ITEM	SHEET NO.	CONCRETE Class "A" (Cu. Yds.)	CONCRETE Class "D" (Cu. Yds.)	REINF. (LBS.)	BRONZE PLATES (LBS.)	STRUCT. EXC. Common (Cu. Yds.)	STRUCT. EXC. Rock (Cu. Yds.)	14" R.C. PILES Furnish Lin. Ft.	14" R.C. PILES Driving Lin. Ft.	SLOPE PROT. Sq. Yds.	Stream Channel
LAYOUT	1										
END BENT 1	2	24.3		2906				287	256	660	
PIER 1	3	76.6		7833		90	40				
PIER 2	3	78.0		7995		70	40				
PIER 3	3	76.6		7833		50	40				
PIER 4	3	74.6		7833		60	40				
PIER 5	3	75.1		7672		90	40				
END BENT 2	2	24.3		2906				269	238	720	
45' R.C.D.G. - SPAN 1	G624-A	73.7		17820	304						
45' R.C.D.G. - SPAN 2	G624-A	72.4		17758	304						
45' R.C.D.G. - SPAN 3	G624-A	72.4		17758	304						
45' R.C.D.G. - SPAN 4	G624-A	72.4		17758	304						
45' R.C.D.G. - SPAN 5	G624-A	72.4		17758	304						
45' R.C.D.G. - SPAN 6	G624-A	73.7		17820	304						
HANDRAIL - SPANS 1-6	H15		14.8	5054							
COPPER STRIP & EXP. JT. MAT.	G-351										
14" RC. PILES	P-2										
PILE RECORD TABLE	2										
ELEVATIONS	4										
SOUNDINGS	5										
SLOPE PROTECTION	1										
BRONZE PLATES	G624-A										
TOTALS		868.5	14.8	154704	1824	360	200	556	494	1380	

See Road Plans

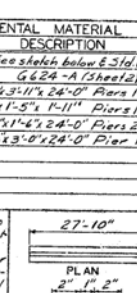
094B00033N

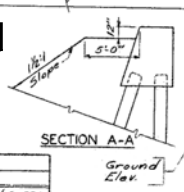
ORIGINAL DRAWING & ELEVATION DRAWING

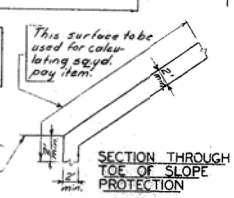
BILL OF INCIDENTAL MATERIAL

ITEM	NO.	DESCRIPTION
Copper Strip	5	See sketch below & Std G-351
Drains	36	G 624-A (Sheet 2)
Exp. Joint Matl.	5	1"x 3'-11"x 24'-0" Piers 1-5
" " "	10	1"x 1'-5"x 1'-11" Piers 1-5
" " "	4	⅜"x 1'-6"x 24'-0" Piers 2-5
" " "	1	⅛"x 3'-0"x 24'-0" Pier 1

Note: Quantities shown in Bill of Incidental Material are approximate only, and the contractor is responsible for furnishing enough material to complete the work in accordance with the specifications.







G 624-A (2 Sheets)
H 15
G-351
P-2

Bridge over Eagle Creek Sheet 1 of 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
OWEN
NEEDMORE-LUSBY ROAD
STATION 50+00 PROJECT NO. S-5411(2)
BRIDGE NUMBER
DRAWING NO. 12729

OWEN - PENDLETON - BOONE COUNTIES 121GR17M039 - EE02

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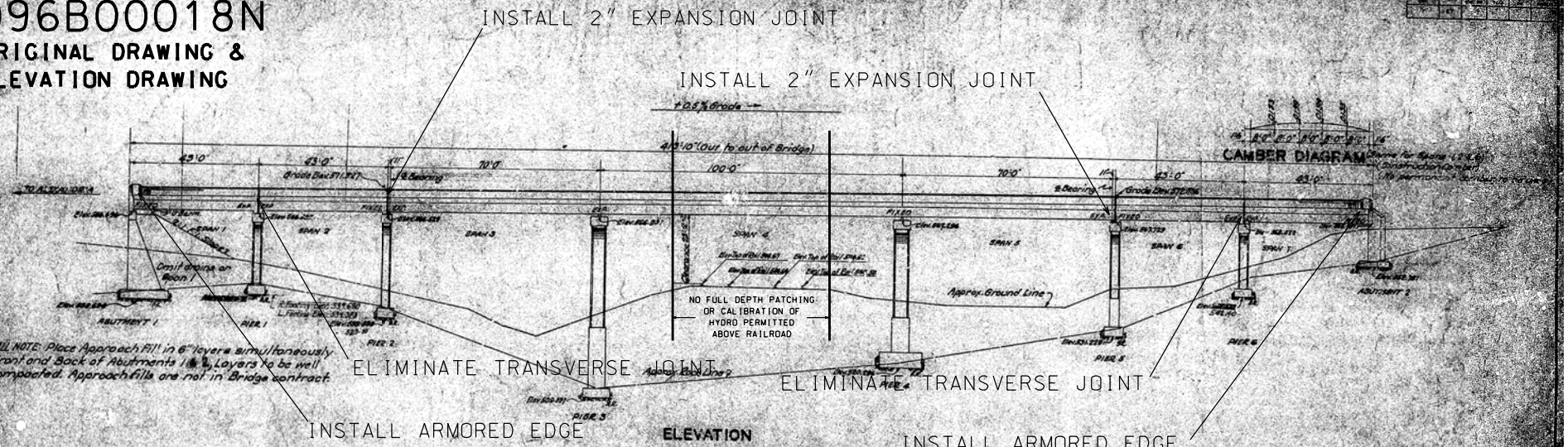
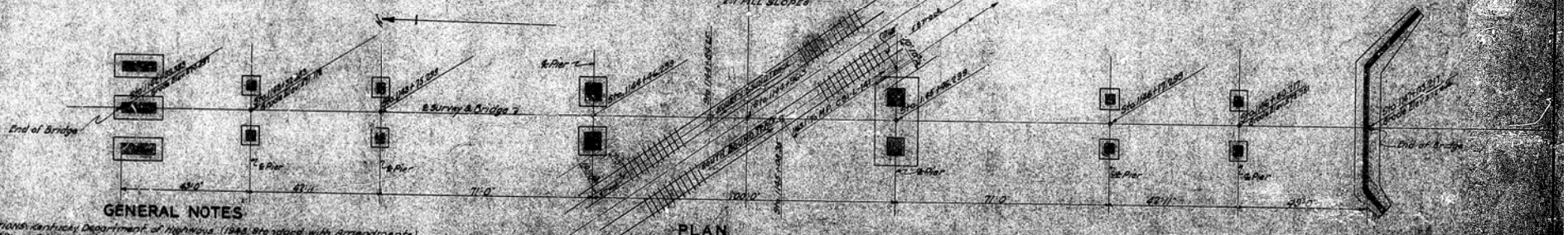
096B00018N

ORIGINAL DRAWING & ELEVATION DRAWING



4-400'-0" R.C. DECK GIRDER SPANS; 1-240'-0" CONTINUOUS UNIT-R.I. BEAM SPAN
24 FT. ROADWAY 2-2'-6" SIDEWALKS, H-20 LOADING
2:1 FILL SLOPES



GENERAL NOTES

SPECIFICATIONS: Kentucky Department of Highways (1963 Standards with Amendments)
DESIGN LOAD: Bridge designed for H-20 loading as specified in AASHO Specifications 1965.
CONCRETE: Class A concrete to be used in Vault except in Handrail. Class D concrete to be used in Handrail.
REINFORCEMENT: Dimensions from face of concrete to bar are clear distances unless otherwise shown. Dimensions for bar spacing are distances center to center of bars. Bars of structural and intermediate grade new billet steel may be combined on this project in bars of hard grade new billet steel and rail steel may be combined on this project, but no mixing of these two permissible com-binations will not be allowed.
All exposed edges to be beveled ¾ unless otherwise noted.
CURBING (CAST MATERIAL CURBS, STRIP & TAR BACK): The cost of these items to be included in the unit price bid for Class A concrete. The curbs to be commercial grade hot laid bituminous material.
CONSTRUCTION NOTE: The contractor shall arrange his work in such a manner as not to interfere with the operation of the L & N. R.R. at any time unless he has otherwise made satisfactory arrangements with the railroad. The contractor shall protect the slope of the excavation for piers # 2 & 3 in such a manner as to prevent any movement of ground under the present tracks.
Plans for construction to piers 1 & 4 shall be submitted to the Dept. of Highways and the L & N. Railroad Co. for their approval before the contractor shall proceed with the construction of his bridge and shall make arrangements with the L & N. R.R. Co. for inspection during the course of his operations.
The pile bents under the railroad tracks shall be inspected by the Railroad Co. the Dept. of Highways and the contractor and no concrete shall be placed in any of these piles before the contractor receives authorization from the railroad company. The railroad company shall not be responsible for any damage to the piles or for delay to the contractor's work by reason of the inspection work and shall report all such damages.
The L & N. R.R. Co. requires that live earth surcharge of 10 ft. be used at the top of the rear end of the abutments and wing walls and an equivalent fluid pressure of 30 lbs. per cubic foot be used when designing the abutments.
No Deck Slab or Top of cofferdams to be built in the water in the railroad right of way.
The contractor shall secure approval of the cofferdam plans for Piers 2 & 3 from the railroad company before construction work on these piers is started.

REFERENCES AND ESTIMATE OF QUANTITIES

ITEM	DRAWING NO.	CONCRETE CLASS A (CU. YDS.)	CONCRETE CLASS D (CU. YDS.)	REINFORCING STEEL (LBS.)	STRUCTURAL STEEL (LBS.)	INTERMEDIATE STEEL (LBS.)	COUNTER WEIGHT	EARTH EXCAVATION (CU. YDS.)
Layout	Sheet 1 of 8							
Abutment 1							240	70
Pier 1							80	100
2							80	80
3							80	70
4							240	70
5							240	70
6							80	40
7							80	40
Abutment 2							320	200
Span VI								
12								
5								

BILL OF INCIDENTAL MATERIAL

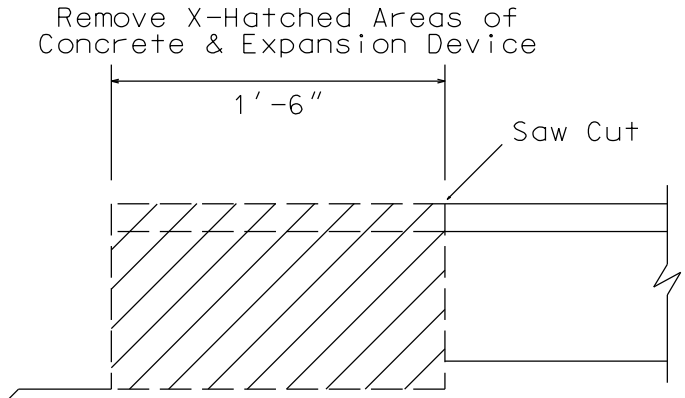
No. of Piece	Size
4	8" x 8" x 8'-0" Timber Piles
1	8" x 8" x 9'-0" Timber Piles
4	8" x 8" x 10'-0" Timber Piles
4	8" x 8" x 11'-0" Timber Piles
4	8" x 8" x 12'-0" Timber Piles
12	8" x 8" x 13'-0" Timber Piles
4	8" x 8" x 14'-0" Timber Piles
1	8" x 8" x 15'-0" Timber Piles
2	8" x 8" x 16'-0" Timber Piles
1	8" x 8" x 17'-0" Timber Piles
2	8" x 8" x 18'-0" Timber Piles

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

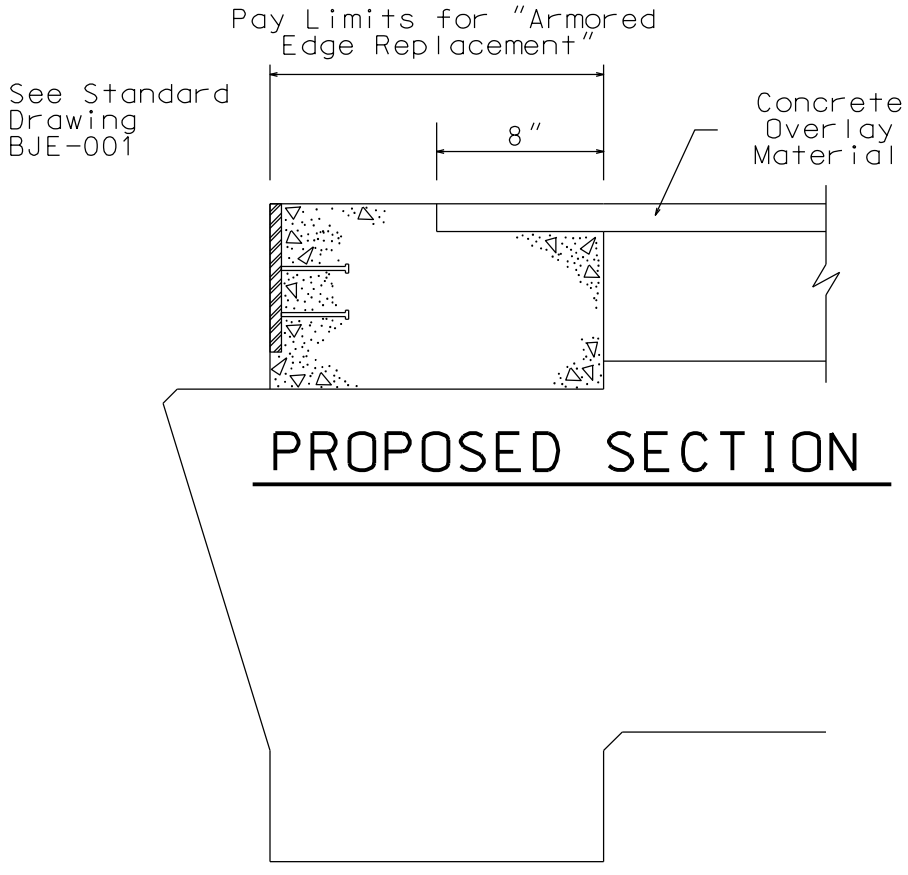
OWEN - PENDLETON - BOONE COUNTIES
121GR17M039 [illegible]

094B00033N
094B00027N
094B00018N
096B00018N

ARMORED EDGE DETAIL



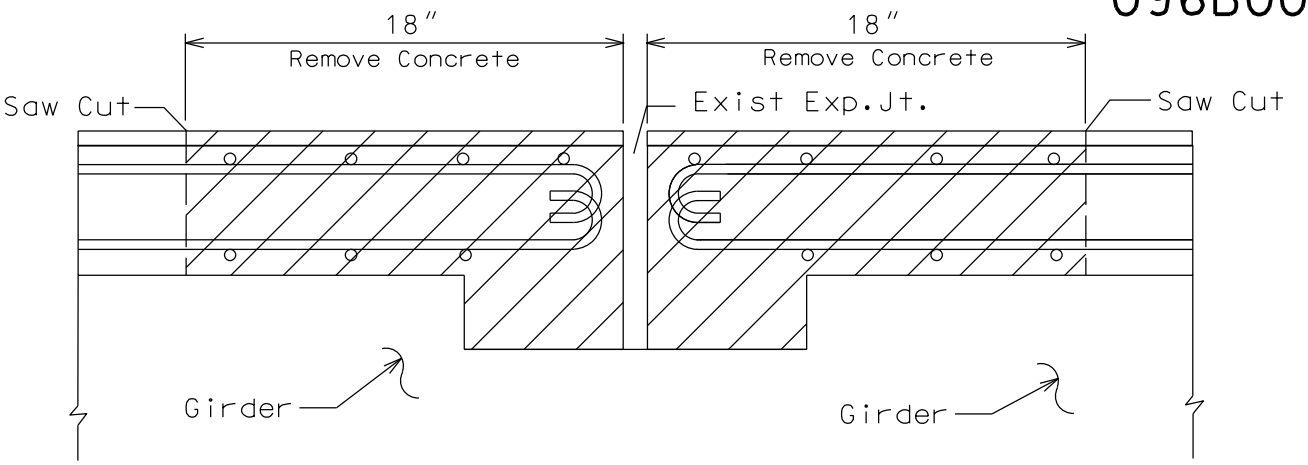
EXISTING SECTION



PROPOSED SECTION

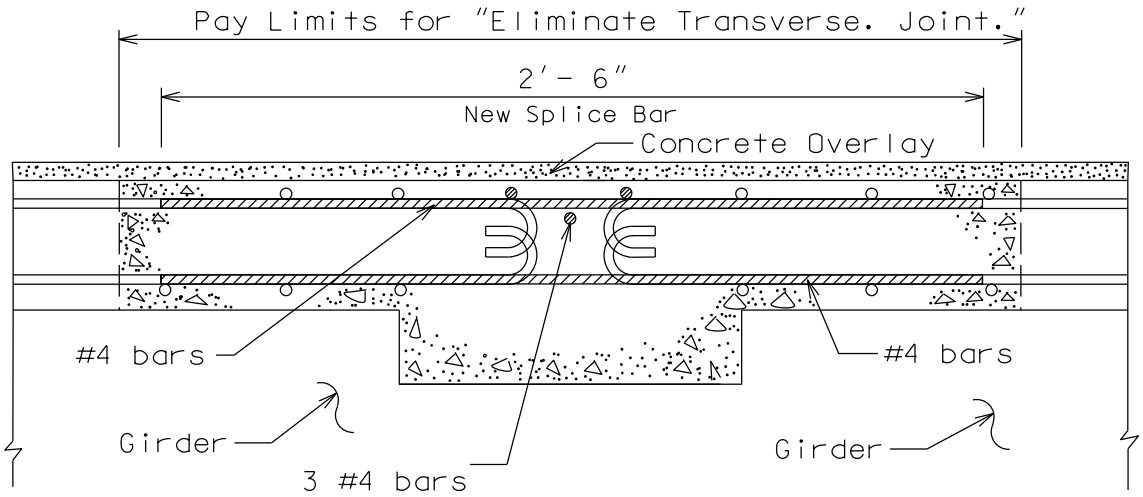
094B00033N
094B00027N
094B00018N
096B00018N

ELIMINATE TRANSVERSE JOINT DETAIL



NOTE: Do not disturb existing Steel Reinforcement

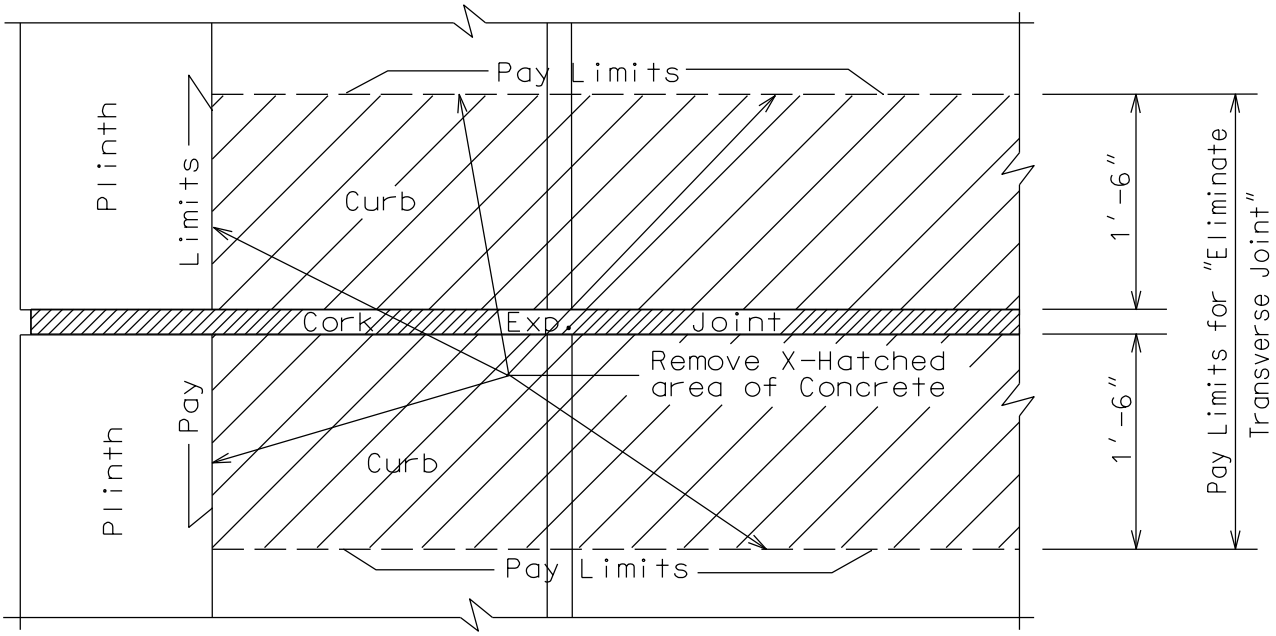
EXISTING SECTION @ Transverse Joint



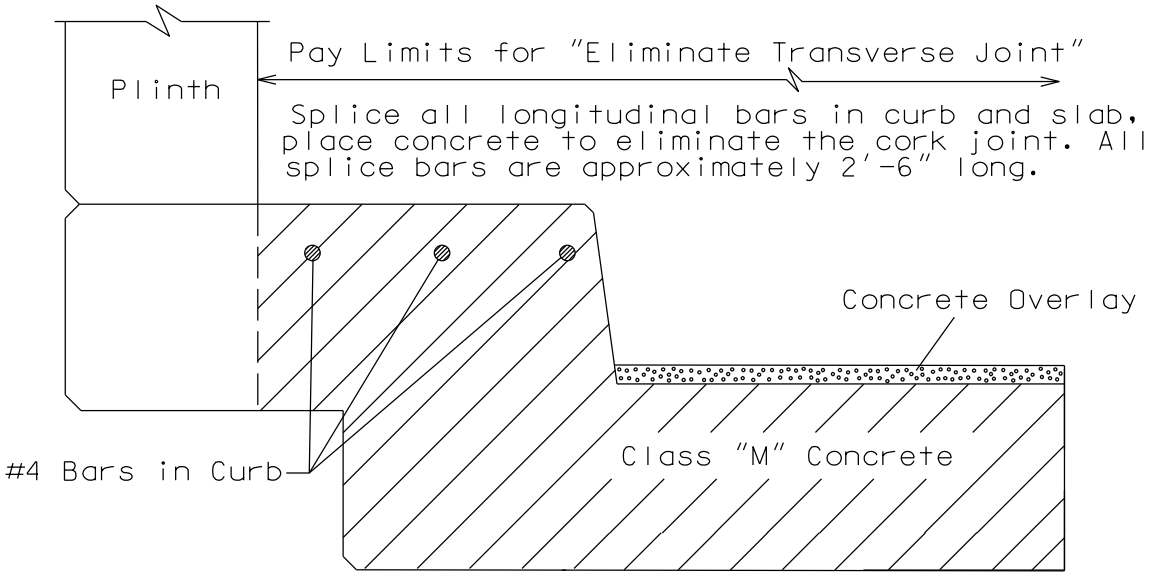
PROPOSED SECTION @ Transverse Joint

094B00033N
094B00027N
094B00018N
096B00018N

ELIMINATE TRANSVERSE JOINT DETAIL



EXISTING PLAN VIEW @ CURB

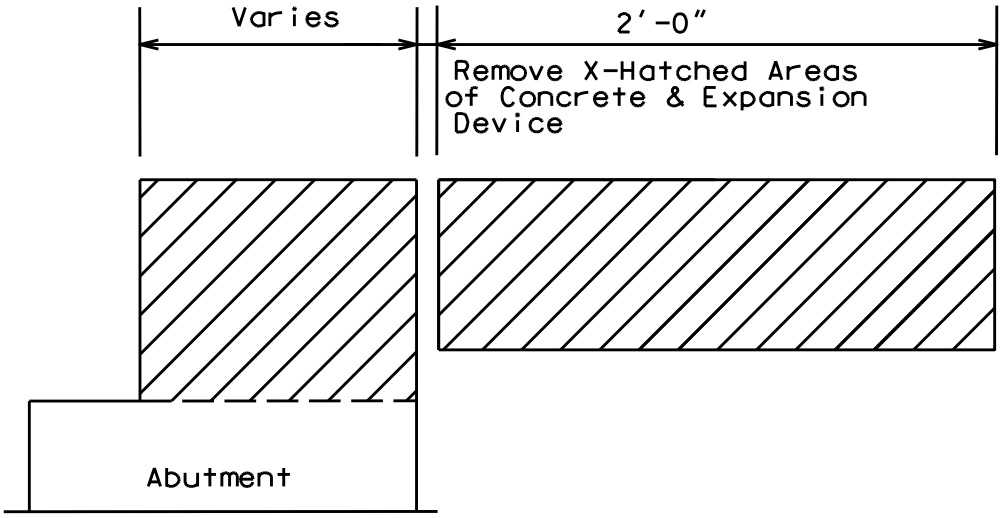


PROPOSED SECTION @ CURB

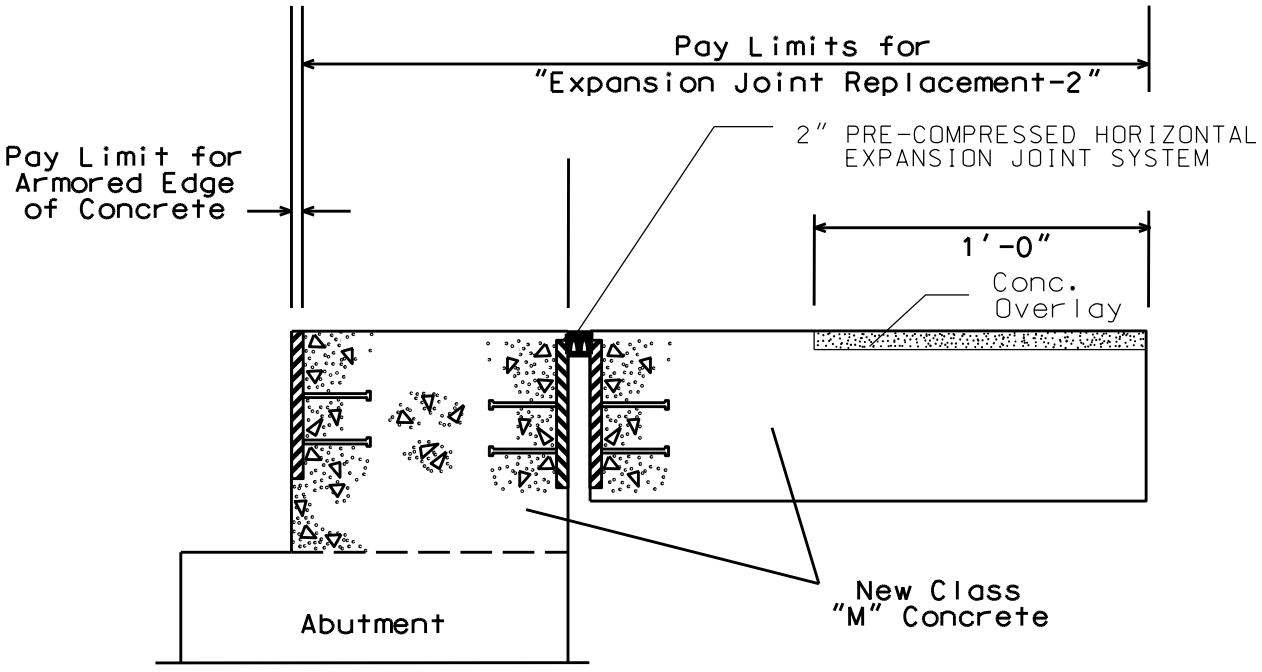
008B00061L,R
096B00018N

EXPANSION DAM DETAIL

Abutments #1 and #2



Clean & Leave Steel Reinf. in place.

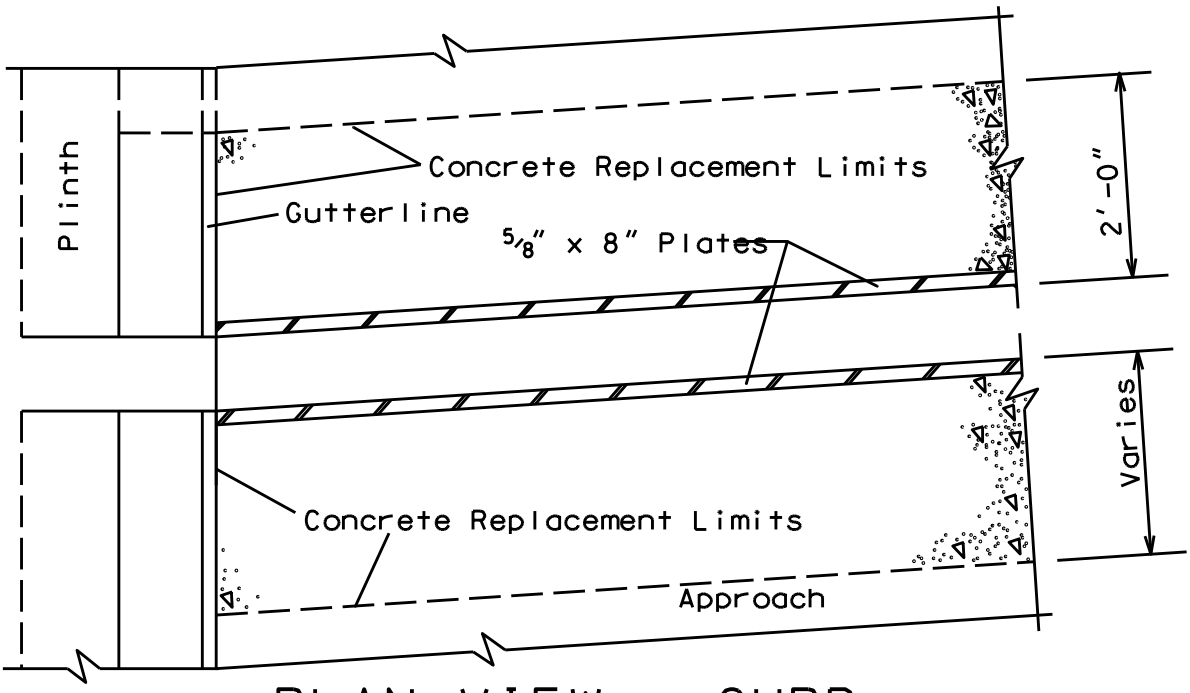


PROPOSED SECTION

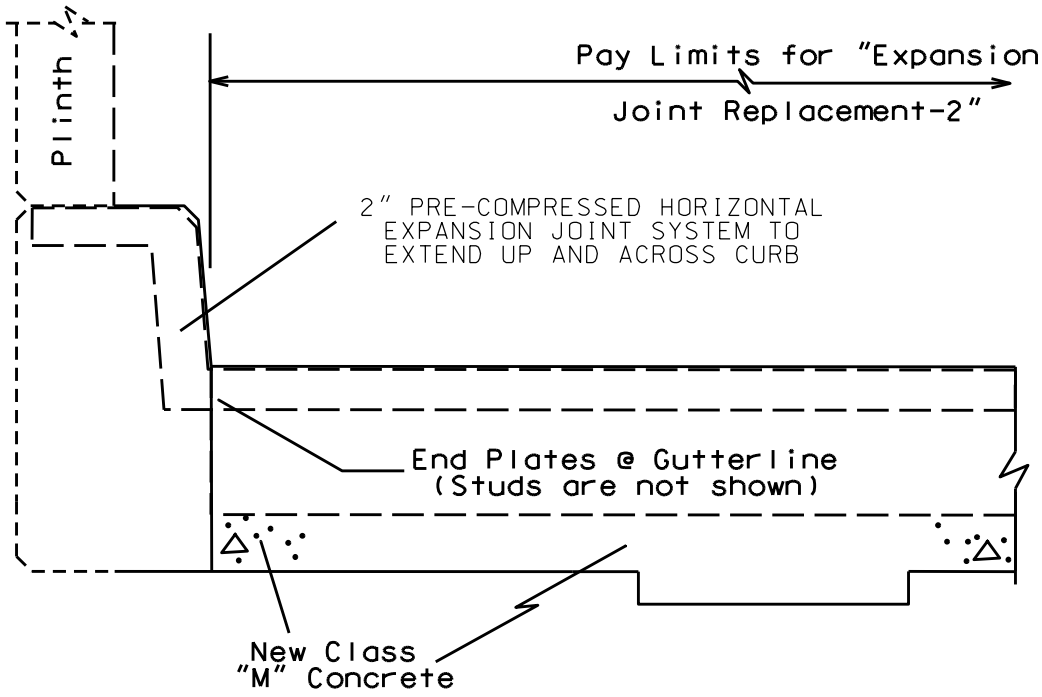
008B00061L,R
096B00018N

CURB SECTION

Abutments #1 and #2



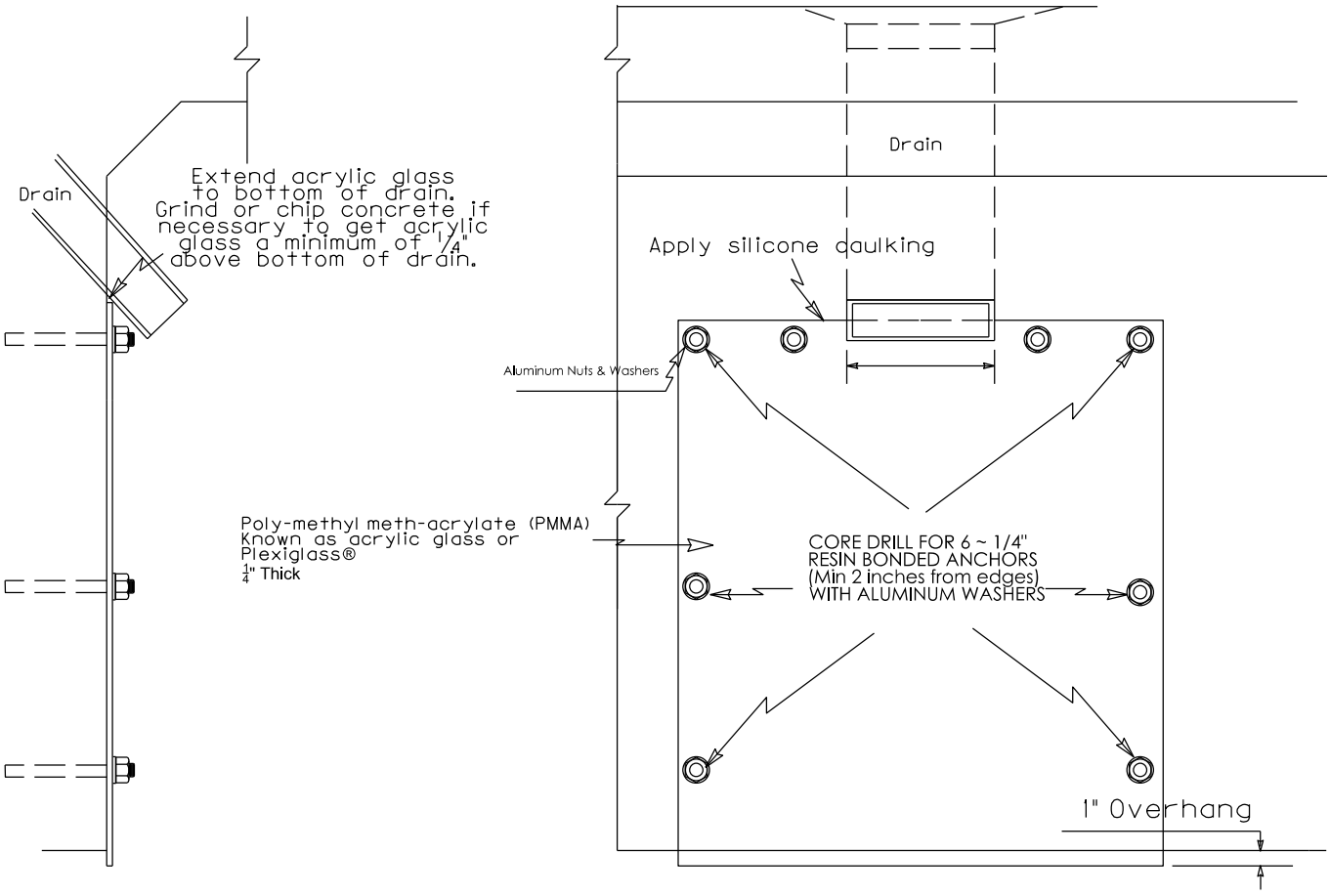
PLAN VIEW @ CURB



PROPOSED SECTION @ CURB

094B00033N

ACRYLIC GLASS DETAIL

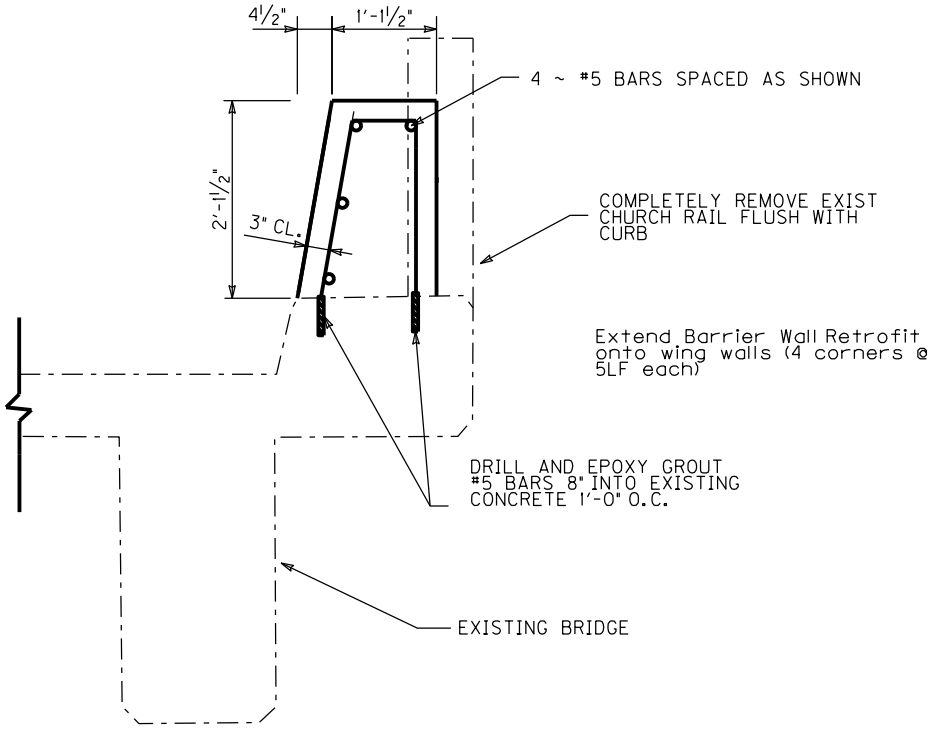


SECTION
NOT TO SCALE

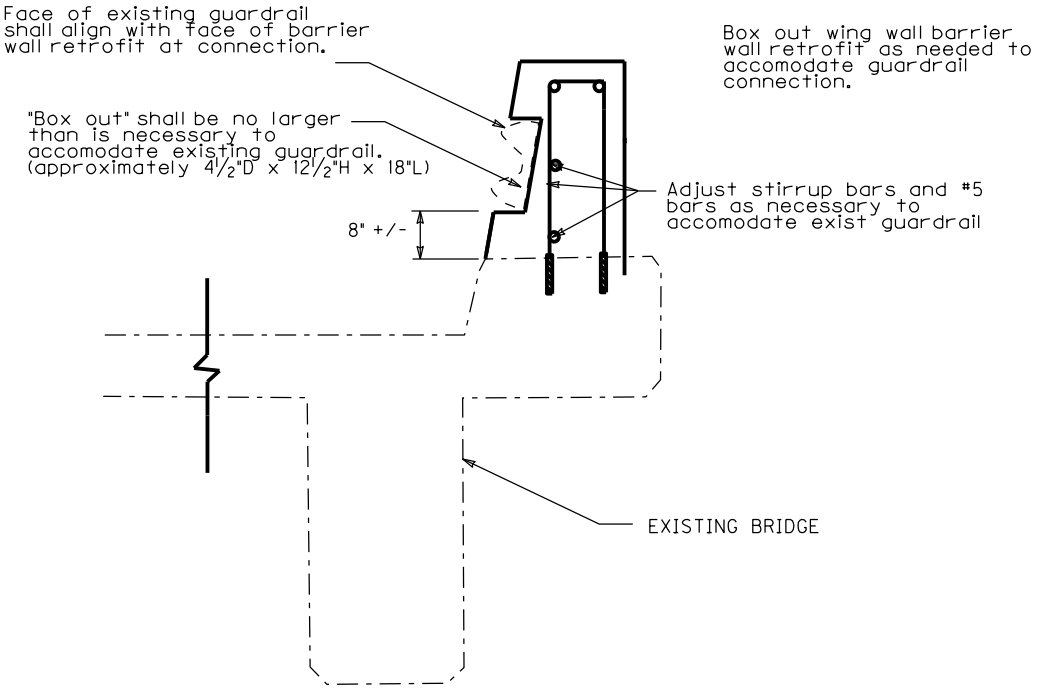
PLAN
NOT TO SCALE

094B00033N 36 drains, 18"x 36" pieces = 162 sqft

094B00018N



TYPICAL SECTION



END "BOX OUTS" FOR EXIST GUARDRAIL

BARRIER WALL RETROFIT

The Department will not measure material removal and will consider this work incidental to the bid item "BRIDGE BARRIER RETROFIT".

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

C. Construct new barrier wall. Form and pour new barrier wall in accordance with the detailed drawings.

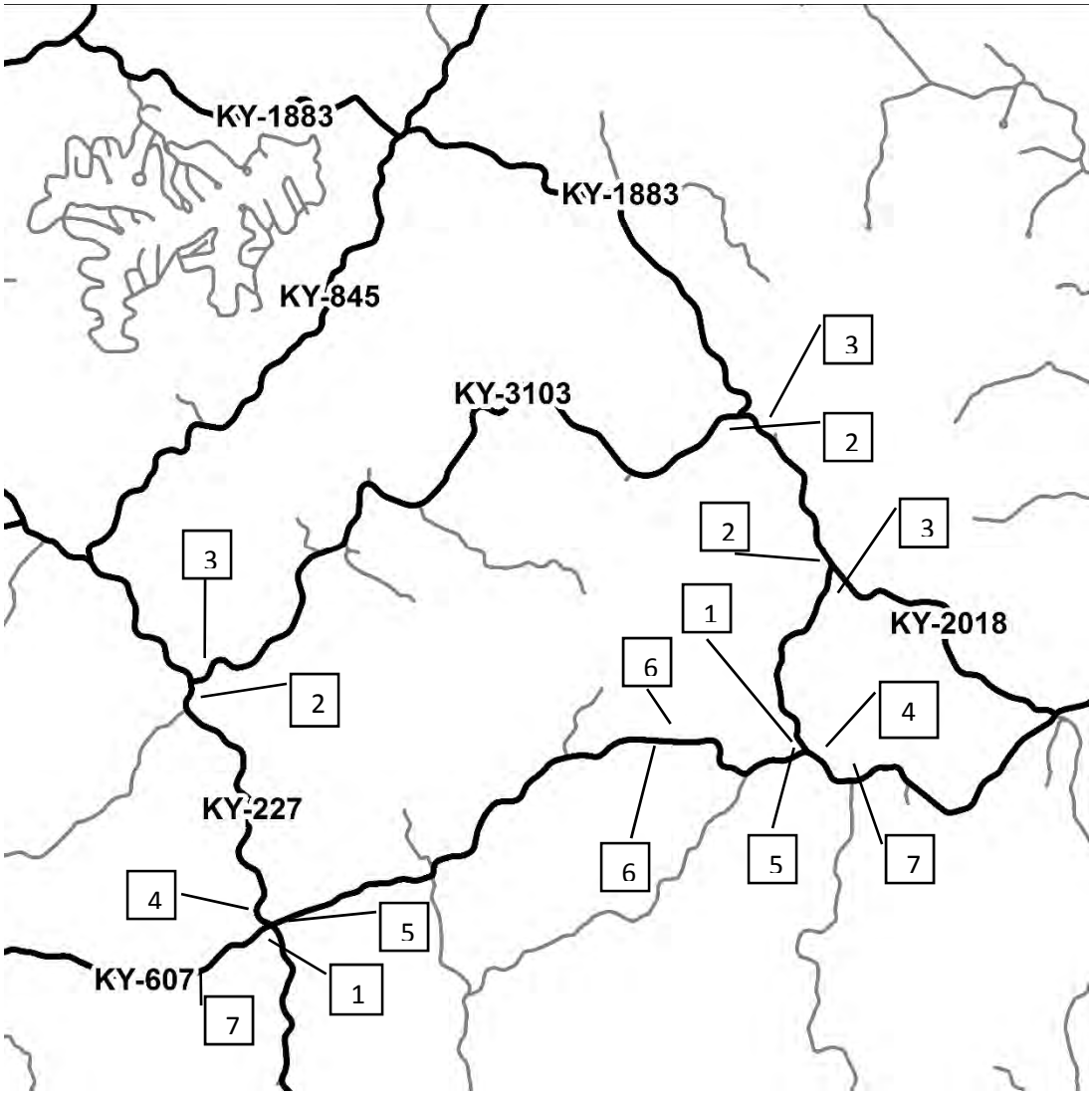
IV. MEASUREMENT. See Section 606 and the following:

A. Bridge Barrier Retrofit. The Department will measure the quantity in linear feet from bridge end to bridge end.

V. PAYMENT. See Section 606 and the following:

A. Bridge Barrier Retrofit. The Department will make payment for the Bridge Barrier Retrofit under bid item #23032EN "BRIDGE BARRIER RETROFIT" for complete quantity in place. Payment will be full compensation for all materials for the construction of the bridge barrier wall retrofit, including but not limited to, all concrete and reinforcing steel. Payment will also be full compensation for all labor for the construction of the bridge barrier wall retrofit, including but not limited to, all drilling and epoxying of reinforcement steel, forming, pouring and removing formwork of the barrier. Guardrail, end treatments, and bridge connections will all be pay items.

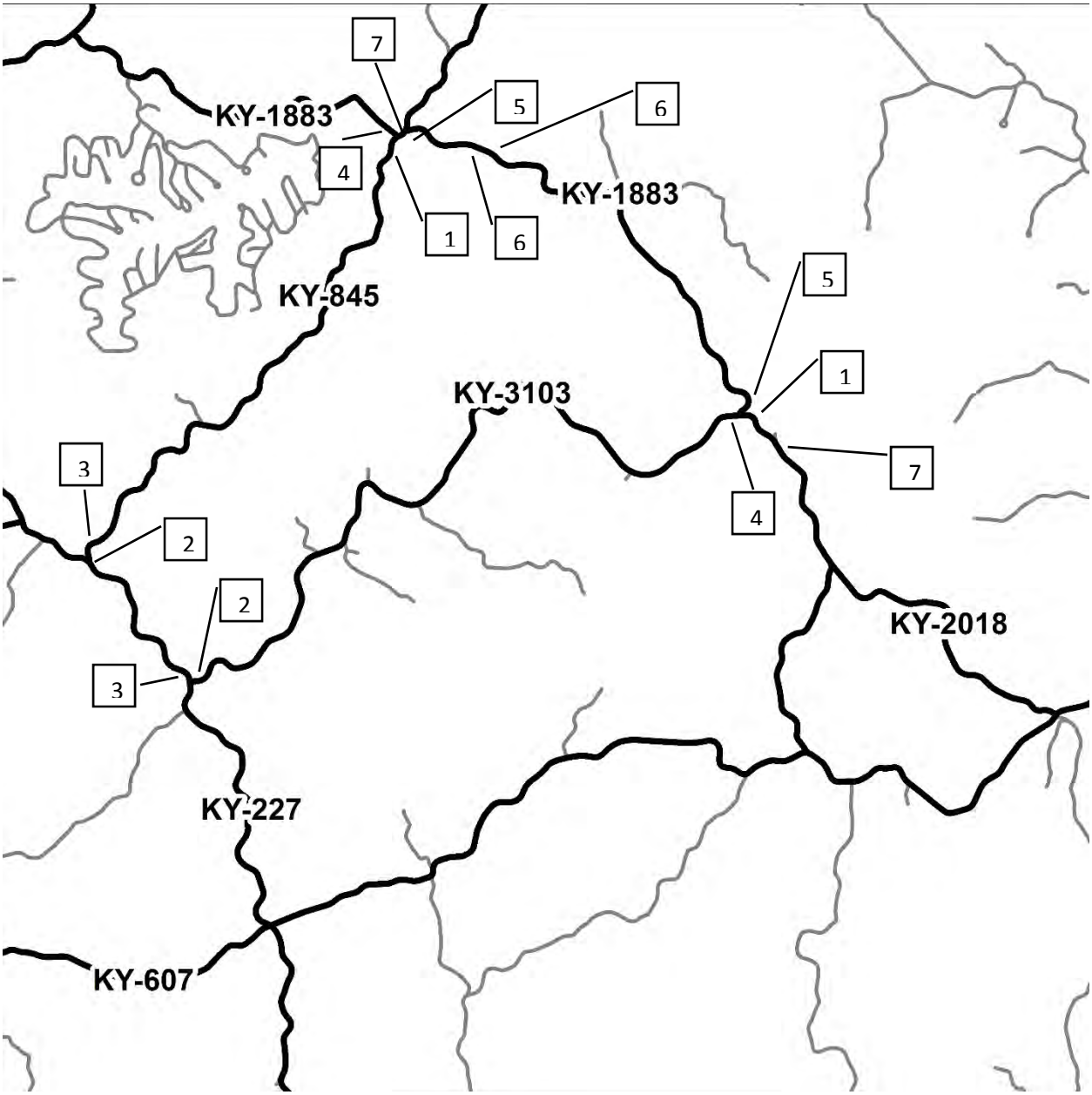
094B00018N Detour



LEGEND NO.	1	2	3	4	5	6	7
	DETOUR NORTH 609 ←	DETOUR NORTH 609 →	DETOUR SOUTH 609 ←	DETOUR SOUTH 609 →	ROAD CLOSED TO THRU TRAFFIC R11-4 (60X30 IN)	ROAD CLOSED TYPE III BARRICADE with R11-2 (48x30in)	PORTABLE CHANGEABLE MESSAGE SIGN To be in place a minimum of 1 week before bridge closure
QUANTITY	2	3	3	2	2	2	2

NOTE: "ROAD CLOSED" sign is part of bid item *2562 "SIGNS"

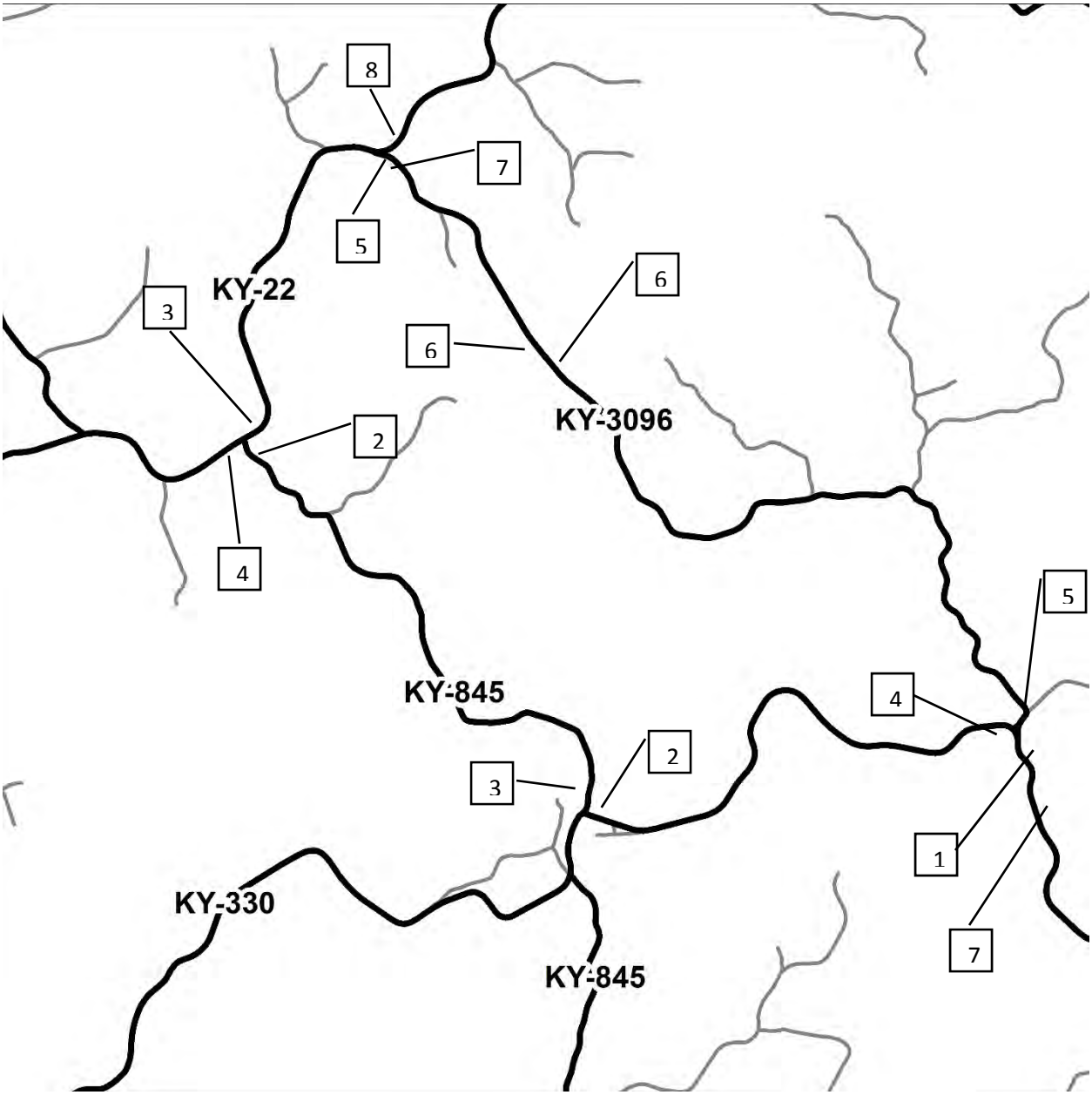
094B00027N Detour



LEGEND NO.	1	2	3	4	5	6	7
	DETOUR NORTH 1883 ⇦	DETOUR NORTH 1883 ⇨	DETOUR SOUTH 1883 ⇦	DETOUR SOUTH 1883 ⇨	ROAD CLOSED TO THRU TRAFFIC R11-4 (60X30 IN)	ROAD CLOSED TYPE III BARRICADE with R11-2 (48x30in)	PORTABLE CHANGEABLE MESSAGE SIGN To be in place a minimum of 1 week before bridge closure
QUANTITY	2	2	2	2	2	2	2

NOTE: "ROAD CLOSED" sign is part of bid item #2562 "SIGNS"

094B00033N Detour



LEGEND NO.	1	2	3	4	5	6	7	8
	DETOUR NORTH 3096 ⇦	DETOUR NORTH 3096 ⇨	DETOUR SOUTH 3096 ⇦	DETOUR SOUTH 3096 ⇨	ROAD CLOSED TO THRU TRAFFIC R11-4 (60X30 IN)	ROAD CLOSED TYPE III BARRICADE with R11-2 (48x30in)	PORTABLE CHANGEABLE MESSAGE SIGN To be in place a minimum of 1 week before bridge closure	DETOUR SOUTH 3096 ⇧
QUANTITY	1	2	2	2	2	2	2	1

NOTE: "ROAD CLOSED" sign is part of bid item #2562 "SIGNS"

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 2012* 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

STANDARD DRAWINGS THAT APPLY

TRAFFIC

~ *TEMPORARY* ~

TRAFFIC CONTROL

LANE CLOSURE USING TRAFFIC SIGNALS	TTC-110
LANE CLOSURE MULTI-LANE HIGHWAY CASE I	TTC-115

DEVICES

POST SPLICING DETAIL	TTD-110

BRIDGES

MISCELLANEOUS STANDARDS

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

JOINTS

NEOPRENE EXPANSION DAMS AND ARMORED EDGES	BJE-001-11

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.

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.

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 administrating agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

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

U.S. Wage and Hour Division

WWW.WAGEHOUR.DOL.GOV

U.S. Department of Labor | Wage and Hour Division

WHD Publication 1088 (Revised July 2009)

PART IV

INSURANCE

INSURANCE

The Contractor shall procure and maintain the following insurance in addition to the insurance required by law:

1) Commercial General Liability-Occurrence form – not less than $2,000,000 General aggregate, $2,000,000 Products & Completed Aggregate, $1,000,000 Personal & Advertising, $1,000,000 each occurrence.

2) Automobile Liability- $1,000,000 per accident

3) Employers Liability:

   a) $100,000 Each Accident Bodily Injury
   b) $500,000 Policy limit Bodily Injury by Disease
   c) $100,000 Each Employee Bodily Injury by Disease

4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
   a) "policy contains no deductible clauses."
   b) "policy contains _____ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."

5) KENTUCKY WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

The cost of insurance is incidental to all contract items. All subcontractors must meet the same minimum insurance requirements.

PART V

BID ITEMS

172909

PROPOSAL BID ITEMS

Report Date 5/1/17

Section: 0001 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02014		BARRICADE-TYPE III	6.00	EACH		$	
0020	02351		GUARDRAIL-STEEL W BEAM-S FACE	100.00	LF		$	
0030	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH		$	
0040	02371		GUARDRAIL END TREATMENT TYPE 7	4.00	EACH		$	
0050	02562		TEMPORARY SIGNS	907.00	SQFT		$	
0060	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 008B00061L	1.00	LS		$	
0070	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 008B00061R	1.00	LS		$	
0080	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 094B00018N	1.00	LS		$	
0090	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 094B00027N	1.00	LS		$	
0100	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 094B00033N	1.00	LS		$	
0110	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 096B00018N	1.00	LS		$	
0120	02653		LANE CLOSURE	6.00	EACH		$	
0130	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		$	
0140	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		$	
0150	02677		ASPHALT PAVE MILLING & TEXTURING	60.00	TON		$	
0160	02775		ARROW PANEL	2.00	EACH		$	
0170	03295		EXPAN JOINT REPLACE 2 IN	216.40	LF		$	
0180	03299		ARMORED EDGE FOR CONCRETE	348.40	LF		$	
0190	03300		ELIMINATE TRANSVERSE JOINT	302.00	LF		$	
0200	03304		BRIDGE OVERLAY APPROACH PAVEMENT	2,488.00	SQYD		$	
0210	04933		TEMP SIGNAL 2 PHASE	1.00	EACH		$	
0220	06514		PAVE STRIPING-PERM PAINT-4 IN	3,461.00	LF		$	
0230	06549		PAVE STRIPING-TEMP REM TAPE-B	1,500.00	LF		$	
0240	06550		PAVE STRIPING-TEMP REM TAPE-W	5,000.00	LF		$	
0250	06551		PAVE STRIPING-TEMP REM TAPE-Y	6,000.00	LF		$	
0260	08150		STEEL REINFORCEMENT	5,177.00	LB		$	
0270	08504		EPOXY SAND SLURRY	850.00	SQYD		$	
0280	08510		REM EPOXY BIT FOREIGN OVERLAY	1,446.00	SQYD		$	
0290	08526		CONC CLASS M FULL DEPTH PATCH	24.00	CUYD		$	
0300	08534		CONCRETE OVERLAY-LATEX	108.90	CUYD		$	
0310	08549		BLAST CLEANING	3,379.00	SQYD		$	
0320	08551		MACHINE PREP OF SLAB	1,083.00	SQYD		$	
0330	23032EN		BRIDGE BARRIER RETROFIT	248.00	LF		$	
0340	24094EC		PARTIAL DEPTH PATCHING	70.20	CUYD		$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	02569		DEMOBILIZATION	1.00	LS		$	