



CALL NO. 407

CONTRACT ID. 172609

BOYLE - ANDERSON COUNTIES

FED/STATE PROJECT NUMBER 121GR17M043 - FE02

DESCRIPTION DISTRICT 7 BRIDGE DECK RESTORATION AND WATERPROOFING

WORK TYPE BRIDGE DECK RESTORATION & WATERPROOFING

PRIMARY COMPLETION DATE 11/15/2017

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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PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 07

CONTRACT ID - 172609
121GR17M043 - FE02
COUNTY - ANDERSON
PCN - MB00300441701
FE02 003 0044 B00027N

KY-44 (MP 3.748). BRIDGE OVER WOLF CREEKBRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 38:00:17.00 LONGITUDE 85:03:41.00

PCN - MB00300531701
FE02 003 0053 B00017N

KY-53 (MP 1.248). BRIDGE OVER BG 9002BRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:54:23.00 LONGITUDE 85:03:12.00

PCN - MB00301271701
FE02 003 0127 B00053R

US-127 BYPASS SOUTH (MP 0.917). BRIDGE OVER NS (CNO & TP) SYSTEMBRIDGE DECK RESTORATION &
WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:59:27.00 LONGITUDE 84:53:22.00

COUNTY - BOYLE

PCN - MB01118051701
FE02 011 1805 B00030N

KY-1805 (MP 0.411). BRIDGE OVER CLARKS RUN CREEKBRIDGE DECK RESTORATION & WATERPROOFING
GEOGRAPHIC COORDINATES LATITUDE 37:38:20.00 LONGITUDE 84:43:17.00

COMPLETION DATE(S):

COMPLETED BY 11/15/2017	APPLIES TO ENTIRE CONTRACT
30 CALENDAR Days	APPLIES TO 003B00017N
30 CALENDAR Days	APPLIES TO 003B00027N
30 CALENDAR Days	APPLIES TO 003B00053R
30 CALENDAR Days	APPLIES TO 011B00030N

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.

03/01/2011

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; (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. Remove Existing Overlay.** In addition to Section 606.03.03, totally remove the existing 7" (+/-) asphalt overlay, and any underlying overlay by milling.
- B. 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.
- C. Asphalt Approach Pavement.** Mill each existing asphalt approach for a distance of 50' from the bridge end for 003B00017N and 011B00030N, 100' from the bridge end for 003B00053R, and 200' from the bridge end for 003B00027N. 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" (for 003B00017N, 003B00053R, and 011B00030N) and 2" (for 003B00027N) 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.
- D. 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 Overlay. The Department will measure the quantity in cubic yards using the theoretical volume as follows for each bridge:

003B00017N	(224' x 30' x 1.5")	= 31.1 cuyd
003B00027N	(66' x 23' x 2.0")	= 9.4 cuyd
003B00053R	(218' x 42' x 1.5")	= 42.4 cuyd
011B00030N	(129' x 26' x 1.5")	= 15.5 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. Remove Existing Overlay. The Department will measure the removal of the existing overlay in square yards, which shall include all labor, equipment, and material needed to complete this work.

D. 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.

E. 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 theoretical quantity.

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. Remove Existing Overlay. The Department will make payment for the removal of the existing overlay under the bid item #08510 "REM EPOXY BIT FOREIGN OVERLAY". Payment will be for the square yard complete.

D. 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.

E. 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.

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" / 2 ½", etc.) 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.

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, 4,300 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"/2 1/2"/etc.) 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 1/2" recessed from the surface.
- F. 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 1/2".** 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 1/2".** 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 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 straightening 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.

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 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 November 15, 2017. 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>
003B00017N	30	November 15, 2017
003B00027N	30	November 15, 2017
003B00053R	30	November 15, 2017
011B00030N	30	November 15, 2017

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 2012 Standard Specifications for Road and Bridge Construction, Section 108.09, when either the allotted number of calendar days or the November 15, 2017 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

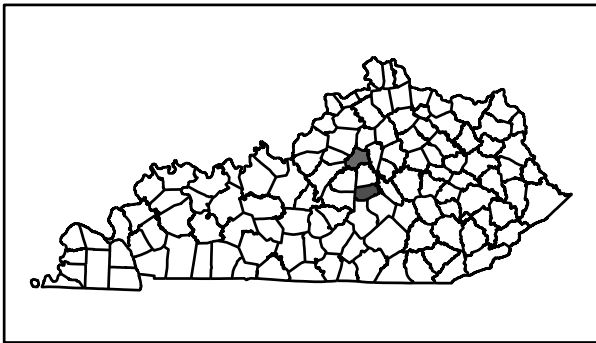
Maintain one lane of traffic during construction in accordance with Standard Drawing No. TTC-110 for lane closures, and the attached detail drawing. The minimum clear lane width required is as follows:

003B00017N	12'-0"
003B00027N	9'-6"
003B00053R	13'-0"
011B00030N	10'-6"

VI. TEMPORARY SIGNAL

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

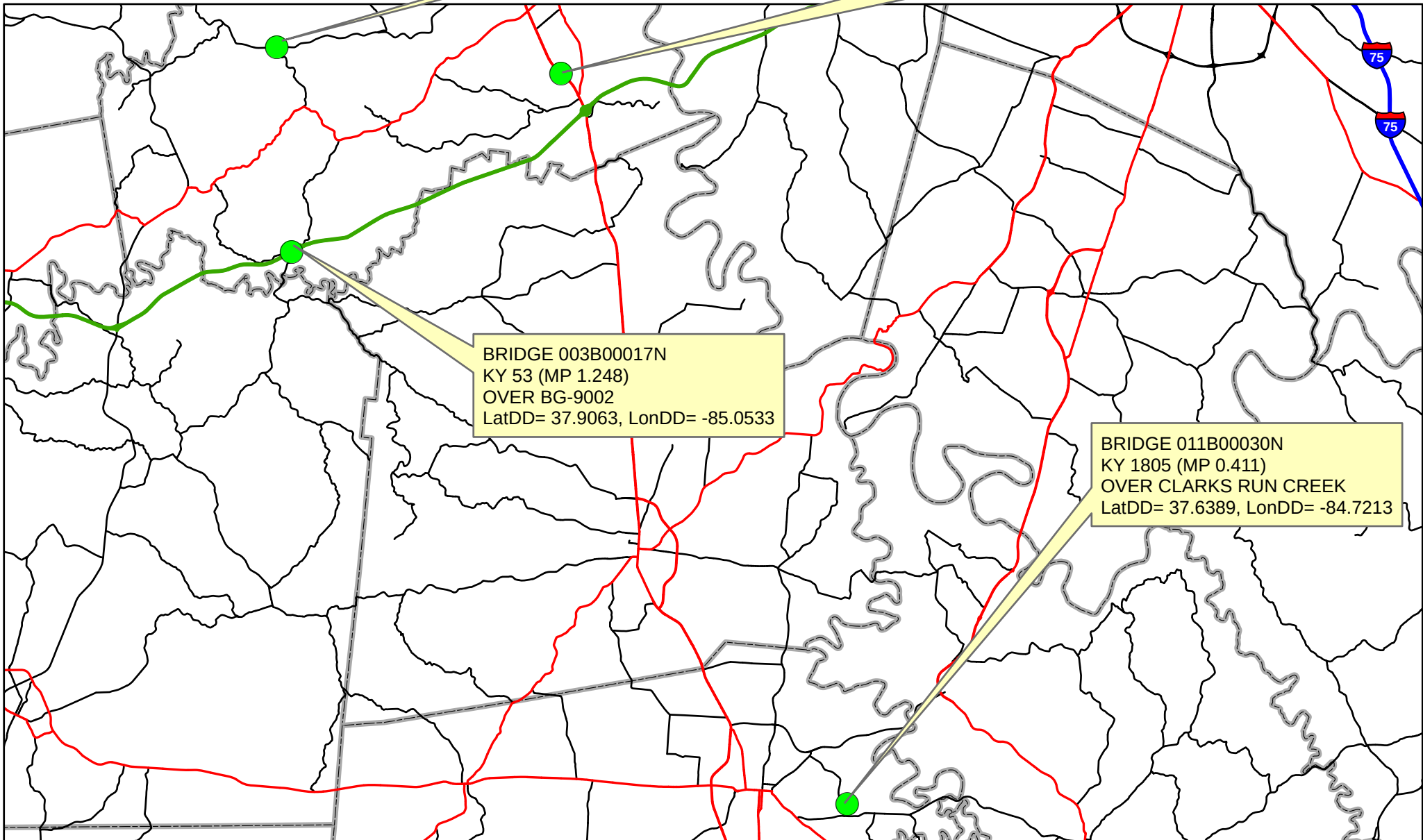
003B00017N	Multi-phase
003B00027N	2 phase
011B00030N	2 phase



ANDERSON AND BOYLE COUNTIES

BRIDGE 003B00027N
KY 44 (MP 3.748)
OVER WOLF CREEK
LatDD= 38.0046, LonDD= -85.0614

BRIDGE 003B00053R
US 127 BYPASS (MP 0.917)
OVER NS (CNO&TP) SYSTEM
LatDD= 37.9909, LonDD= -84.8895



MATERIAL SUMMARY

CONTRACT ID: 172609

121GR17M043 - FE02

MB00300441701

KY-44 (MP 3.748). BRIDGE OVER WOLF CREEK BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0105	02562	TEMPORARY SIGNS	149.00	SQFT
0110	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 003B00027N	1.00	LS
0115	02653	LANE CLOSURE	2.00	EACH
0120	03299	ARMORED EDGE FOR CONCRETE	46.00	LF
0125	03300	ELIMINATE TRANSVERSE JOINT	26.50	LF
0130	03304	BRIDGE OVERLAY APPROACH PAVEMENT	1,022.22	SQYD
0135	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0140	06514	PAVE STRIPING-PERM PAINT-4 IN	932.00	LF
0145	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0150	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0155	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0160	08150	STEEL REINFORCEMENT	567.80	LB
0165	08504	EPOXY SAND SLURRY	52.60	SQYD
0170	08510	REM EPOXY BIT FOREIGN OVERLAY	169.00	SQYD
0175	08526	CONC CLASS M FULL DEPTH PATCH	10.00	CUYD
0180	08534	CONCRETE OVERLAY-LATEX	9.40	CUYD
0185	08549	BLAST CLEANING	221.60	SQYD
0190	24094EC	PARTIAL DEPTH PATCHING	6.40	CUYD
0195	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 172609

121GR17M043 - FE02

MB00300531701

KY-53 (MP 1.248). BRIDGE OVER BG 9002 BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02562	TEMPORARY SIGNS	149.00	SQFT
0010	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 003B00017N	1.00	LS
0015	02653	LANE CLOSURE	2.00	EACH
0020	03296	EXPAN JOINT REPLACE 2 1/2 IN	60.60	LF
0025	03299	ARMORED EDGE FOR CONCRETE	60.60	LF
0030	03300	ELIMINATE TRANSVERSE JOINT	99.90	LF
0035	03304	BRIDGE OVERLAY APPROACH PAVEMENT	333.33	SQYD
0040	04934	TEMP SIGNAL MULTI PHASE	1.00	EACH
0045	06514	PAVE STRIPING-PERM PAINT-4 IN	648.00	LF
0050	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0055	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0060	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0065	08150	STEEL REINFORCEMENT	1,169.00	LB
0070	08504	EPOXY SAND SLURRY	166.00	SQYD
0075	08510	REM EPOXY BIT FOREIGN OVERLAY	747.00	SQYD
0080	08526	CONC CLASS M FULL DEPTH PATCH	10.00	CUYD
0085	08534	CONCRETE OVERLAY-LATEX	31.10	CUYD
0090	08549	BLAST CLEANING	747.00	SQYD
0095	24094EC	PARTIAL DEPTH PATCHING	28.50	CUYD
0100	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 172609

121GR17M043 - FE02

MB00301271701

US-127 BYPASS SOUTH (MP 0.917). BRIDGE OVER NS (CNO & TP) SYSTEM BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0200	02562	TEMPORARY SIGNS	149.00	SQFT
0205	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 003B00053R	1.00	LS
0210	02653	LANE CLOSURE	2.00	EACH
0215	03296	EXPAN JOINT REPLACE 2 1/2 IN	104.50	LF
0220	03299	ARMORED EDGE FOR CONCRETE	104.50	LF
0225	03304	BRIDGE OVERLAY APPROACH PAVEMENT	933.33	SQYD
0230	06514	PAVE STRIPING-PERM PAINT-4 IN	975.30	LF
0235	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0240	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0245	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0250	08150	STEEL REINFORCEMENT	267.20	LB
0255	08504	EPOXY SAND SLURRY	49.00	SQYD
0260	08534	CONCRETE OVERLAY-LATEX	42.40	CUYD
0265	08549	BLAST CLEANING	1,066.00	SQYD
0270	08551	MACHINE PREP OF SLAB	1,017.00	SQYD
0275	24094EC	PARTIAL DEPTH PATCHING	28.30	CUYD
0280	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

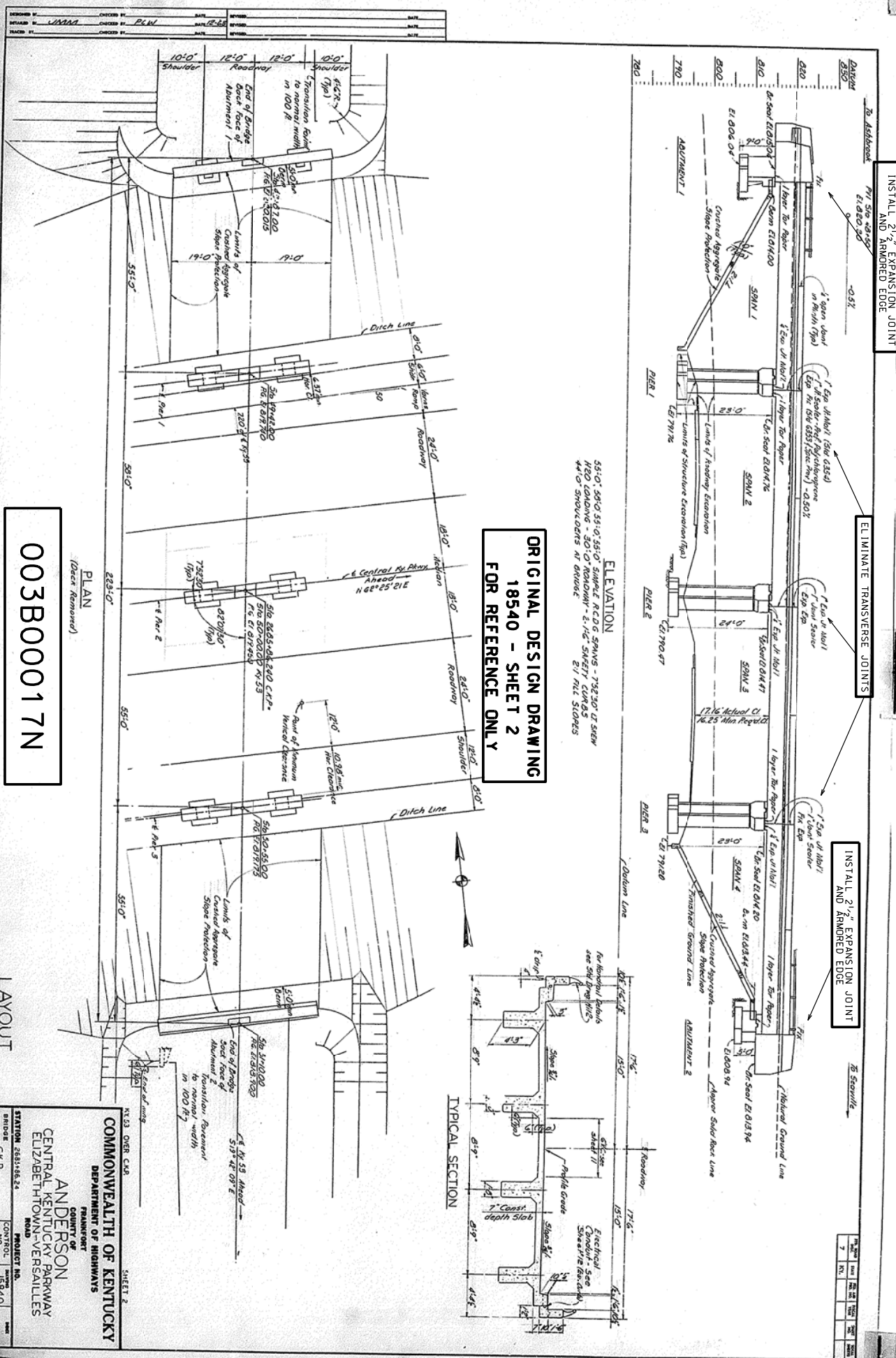
CONTRACT ID: 172609

121GR17M043 - FE02

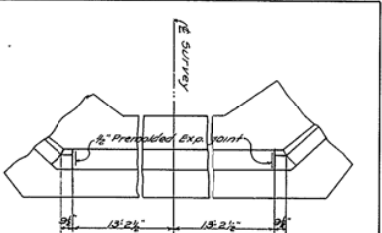
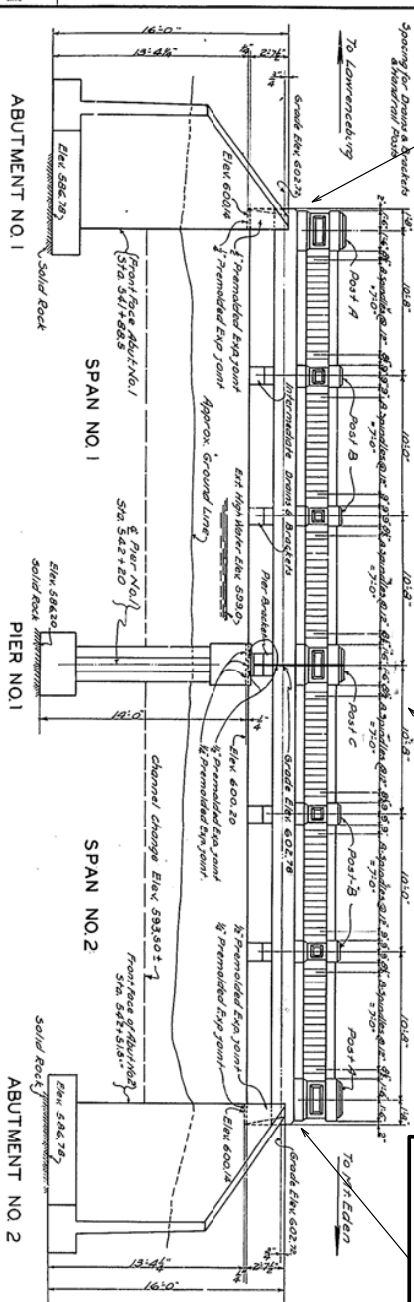
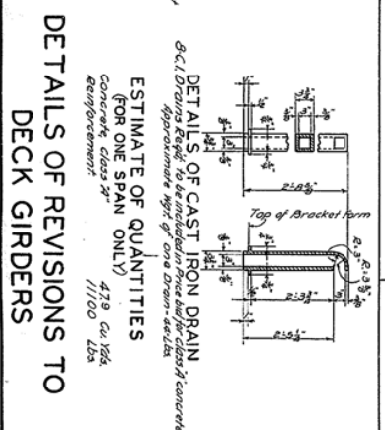
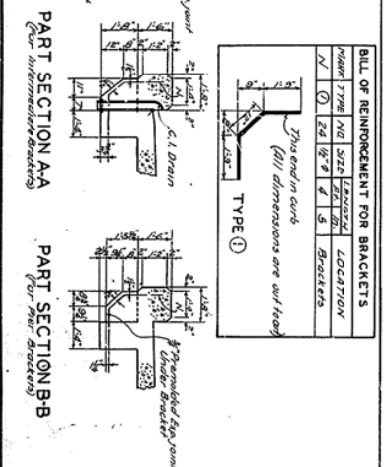
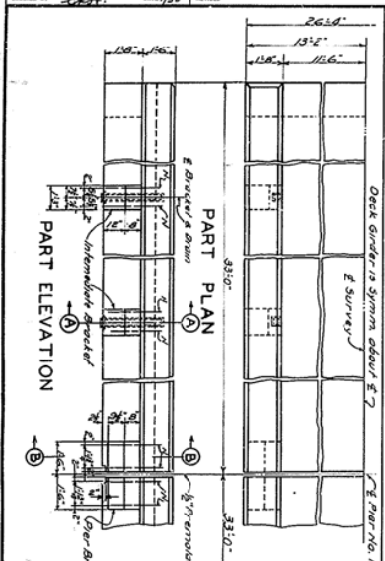
MB01118051701

KY-1805 (MP 0.411). BRIDGE OVER CLARKS RUN CREEK BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0285	02562	TEMPORARY SIGNS	149.00	SQFT
0290	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 011B00030N	1.00	LS
0295	02653	LANE CLOSURE	2.00	EACH
0300	03299	ARMORED EDGE FOR CONCRETE	52.00	LF
0305	03300	ELIMINATE TRANSVERSE JOINT	56.00	LF
0310	03304	BRIDGE OVERLAY APPROACH PAVEMENT	288.89	SQYD
0315	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0320	06514	PAVE STRIPING-PERM PAINT-4 IN	458.00	LF
0325	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0330	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0335	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0340	08150	STEEL REINFORCEMENT	868.40	LB
0345	08504	EPOXY SAND SLURRY	81.20	SQYD
0350	08510	REM EPOXY BIT FOREIGN OVERLAY	373.00	SQYD
0355	08526	CONC CLASS M FULL DEPTH PATCH	5.00	CUYD
0360	08534	CONCRETE OVERLAY-LATEX	15.50	CUYD
0365	08549	BLAST CLEANING	454.00	SQYD
0370	24094EC	PARTIAL DEPTH PATCHING	10.40	CUYD
0375	02569	DEMOBILIZATION	1.00	LS



DESIGNED BY <u>G. L. Salmon</u>	DATE _____	REVISED _____	DATE _____
TRACED BY <u>F. Q. K.</u>	DATE <u>1/22</u>	REVISED _____	DATE _____
CHECKED BY <u>R. H. H.</u>	DATE <u>1/19</u>	REVISED _____	DATE _____



INSTALL ARMORED EDGE

HALF CAMBER DIAGRAM (Ordinates are in Feet)

ELIMINATE TRANSVERSE JOINT

INSTALL ARMORED EDGE

**ORIGINAL DESIGN DRAWING
05470 - SHEET 1
FOR REFERENCE ONLY**

REFERENCES
For details of 2-30

[illegible]

TOTAL ESTIMATE OF QUANTITIES
Concrete Class A 232.7 CuYd

Concrete, Class "B"	23.7 CUB/YD.
Reinforcement	38.72 LBS.
Structure Excavation (Unclassified)	350 CUB/YD.
Excavation (Channel Change)	See Road Plans

GENERAL NOTE

Specifications: State Highway Department, Kentucky 1932.
Class A concrete to be used thruout except in Handrail & Post.
Class B concrete to be used in Handrail & Post.

Reinforcement: Dimensions from face of concrete to wall reinforcement shall be spaced not further apart than 50 diameters of the reinforcement. Reinforcing bars shall be placed in accordance with specifications. General note: Notes on standard drawings shall be used and placed in accordance with specifications. General note: Notes on standard drawings shall be used and placed in accordance with specifications.

Reinforcing Details: A 6x6x6 galvanized gas pipe placed as shown at drying rack supports. The concrete may be substituted for cast-in-place concrete and the reduced space shall be used for concrete.

REVISIONS TO
ABUTMENTS NO'S. 1 & 2

BRIDGE OVER WOLF CREEK *Sheet 101*
COMMONWEALTH OF KENTUCKY
STATE HIGHWAY DEPARTMENT

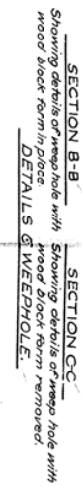
COUNTY OF
ANDERSON
LAWRENCEBURG-MT. EDEN

STATION 542+20
MP 3-171

JUN 13 1963

THE
JOURNAL
OF
THE
ROYAL
ANTHROPOLOGICAL
INSTITUTE

FOR REFERENCE ONLY



in the price bid per cubic

TOTAL QUANTITIES & STEEL REQUIRED FOR THE SUBGRADE				
MASS	NO.	SIZE	LEN	FT
Subgrade	1.0	4" x 6"	1	
Subgrade	2.0	4" x 6"	1	
Subgrade	3.0	4" x 6"	1	
Subgrade	4.0	4" x 6"	1	
Subgrade	5.0	4" x 6"	1	
Subgrade	6.0	4" x 6"	1	
Subgrade	7.0	4" x 6"	1	
Subgrade	8.0	4" x 6"	1	
Subgrade	9.0	4" x 6"	1	
Subgrade	10.0	4" x 6"	1	
Subgrade	11.0	4" x 6"	1	
Subgrade	12.0	4" x 6"	1	
Subgrade	13.0	4" x 6"	1	
Subgrade	14.0	4" x 6"	1	
Subgrade	15.0	4" x 6"	1	
Subgrade	16.0	4" x 6"	1	
Subgrade	17.0	4" x 6"	1	
Subgrade	18.0	4" x 6"	1	
Subgrade	19.0	4" x 6"	1	
Subgrade	20.0	4" x 6"	1	
Subgrade	21.0	4" x 6"	1	
Subgrade	22.0	4" x 6"	1	
Subgrade	23.0	4" x 6"	1	
Subgrade	24.0	4" x 6"	1	
Subgrade	25.0	4" x 6"	1	
Subgrade	26.0	4" x 6"	1	
Subgrade	27.0	4" x 6"	1	
Subgrade	28.0	4" x 6"	1	
Subgrade	29.0	4" x 6"	1	
Subgrade	30.0	4" x 6"	1	
Subgrade	31.0	4" x 6"	1	
Subgrade	32.0	4" x 6"	1	
Subgrade	33.0	4" x 6"	1	
Subgrade	34.0	4" x 6"	1	
Subgrade	35.0	4" x 6"	1	
Subgrade	36.0	4" x 6"	1	
Subgrade	37.0	4" x 6"	1	
Subgrade	38.0	4" x 6"	1	
Subgrade	39.0	4" x 6"	1	
Subgrade	40.0	4" x 6"	1	
Subgrade	41.0	4" x 6"	1	
Subgrade	42.0	4" x 6"	1	
Subgrade	43.0	4" x 6"	1	
Subgrade	44.0	4" x 6"	1	
Subgrade	45.0	4" x 6"	1	
Subgrade	46.0	4" x 6"	1	
Subgrade	47.0	4" x 6"	1	
Subgrade	48.0	4" x 6"	1	
Subgrade	49.0	4" x 6"	1	
Subgrade	50.0	4" x 6"	1	
Subgrade	51.0	4" x 6"	1	
Subgrade	52.0	4" x 6"	1	
Subgrade	53.0	4" x 6"	1	
Subgrade	54.0	4" x 6"	1	
Subgrade	55.0	4" x 6"	1	
Subgrade	56.0	4" x 6"	1	
Subgrade	57.0	4" x 6"	1	
Subgrade	58.0	4" x 6"	1	
Subgrade	59.0	4" x 6"	1	
Subgrade	60.0	4" x 6"	1	
Subgrade	61.0	4" x 6"	1	
Subgrade	62.0	4" x 6"	1	
Subgrade	63.0	4" x 6"	1	
Subgrade	64.0	4" x 6"	1	
Subgrade	65.0	4" x 6"	1	
Subgrade	66.0	4" x 6"	1	
Subgrade	67.0	4" x 6"	1	
Subgrade	68.0	4" x 6"	1	
Subgrade	69.0	4" x 6"	1	
Subgrade	70.0	4" x 6"	1	
Subgrade	71.0	4" x 6"	1	
Subgrade	72.0	4" x 6"	1	
Subgrade	73.0	4" x 6"	1	
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Subgrade	76.0	4" x 6"	1	
Subgrade	77.0	4" x 6"	1	
Subgrade	78.0	4" x 6"	1	
Subgrade	79.0	4" x 6"	1	
Subgrade	80.0	4" x 6"	1	
Subgrade	81.0	4" x 6"	1	
Subgrade	82.0	4" x 6"	1	
Subgrade	83.0	4" x 6"	1	
Subgrade	84.0	4" x 6"	1	
Subgrade	85.0	4" x 6"	1	
Subgrade	86.0	4" x 6"	1	
Subgrade	87.0	4" x 6"	1	
Subgrade	88.0	4" x 6"	1	
Subgrade	89.0	4" x 6"	1	
Subgrade	90.0	4" x 6"	1	
Subgrade	91.0	4" x 6"	1	
Subgrade	92.0	4" x 6"	1	
Subgrade	93.0	4" x 6"	1	
Subgrade	94.0	4" x 6"	1	
Subgrade	95.0	4" x 6"	1	
Subgrade	96.0	4" x 6"	1	
Subgrade	97.0	4" x 6"	1	
Subgrade	98.0	4" x 6"	1	
Subgrade	99.0	4" x 6"	1	
Subgrade	100.0	4" x 6"	1	
Subgrade	101.			

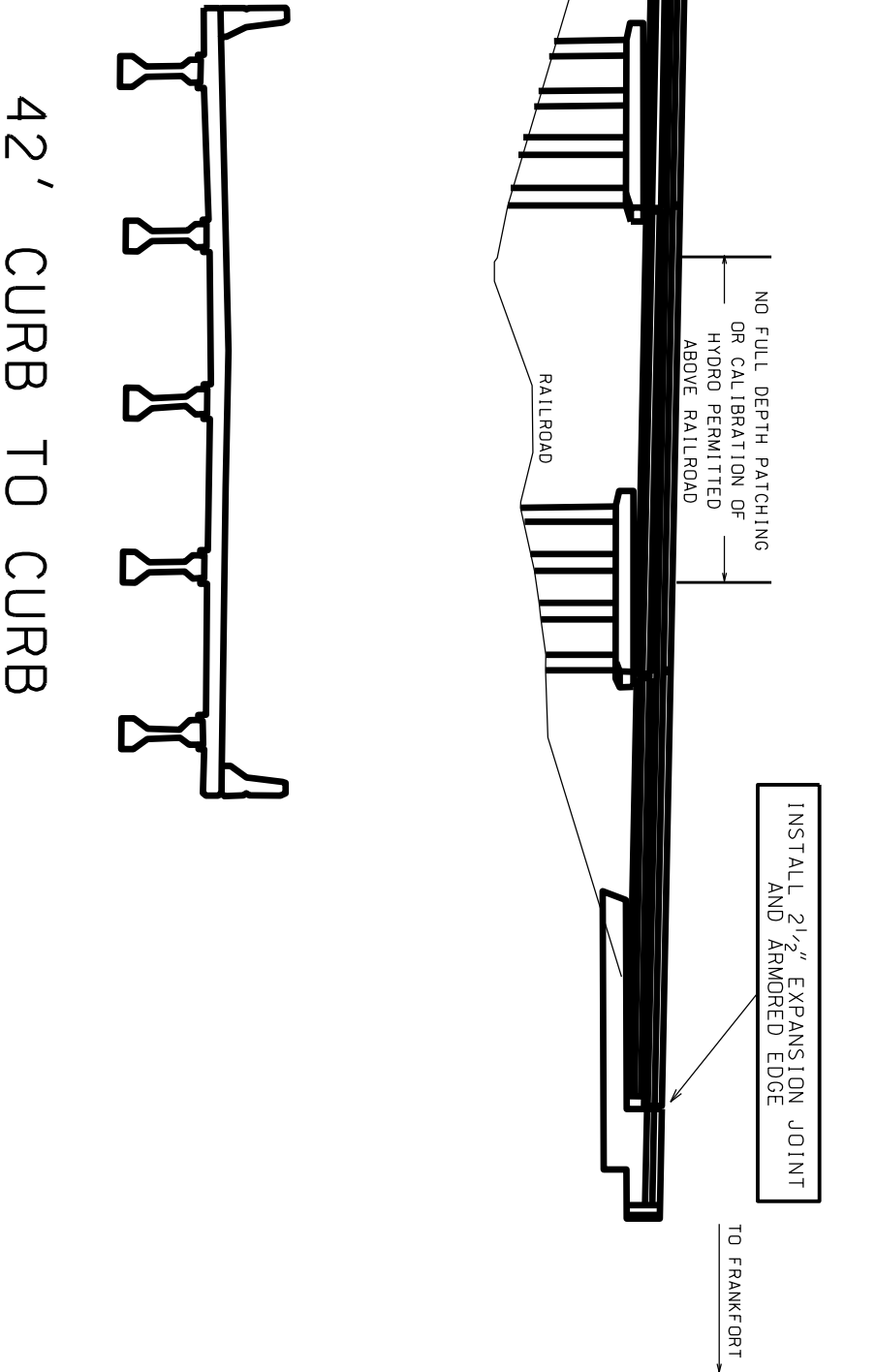
Retrace
1-33

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF STATE ROADS AND HIGHWAYS
STANDARD, REINFORCED CONCRETE
DECK GIRDER
30 FT SPAN 24 FT ROAD
SUPERELEVATED
SHEET No. 1 OF 1 SHEETS

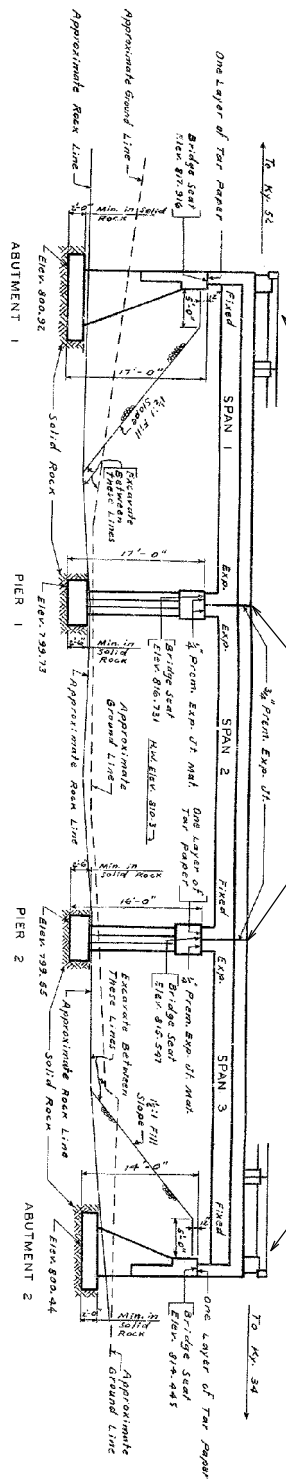
003B000053R

64', 79', 69' CONT PCI BEAM SPANS

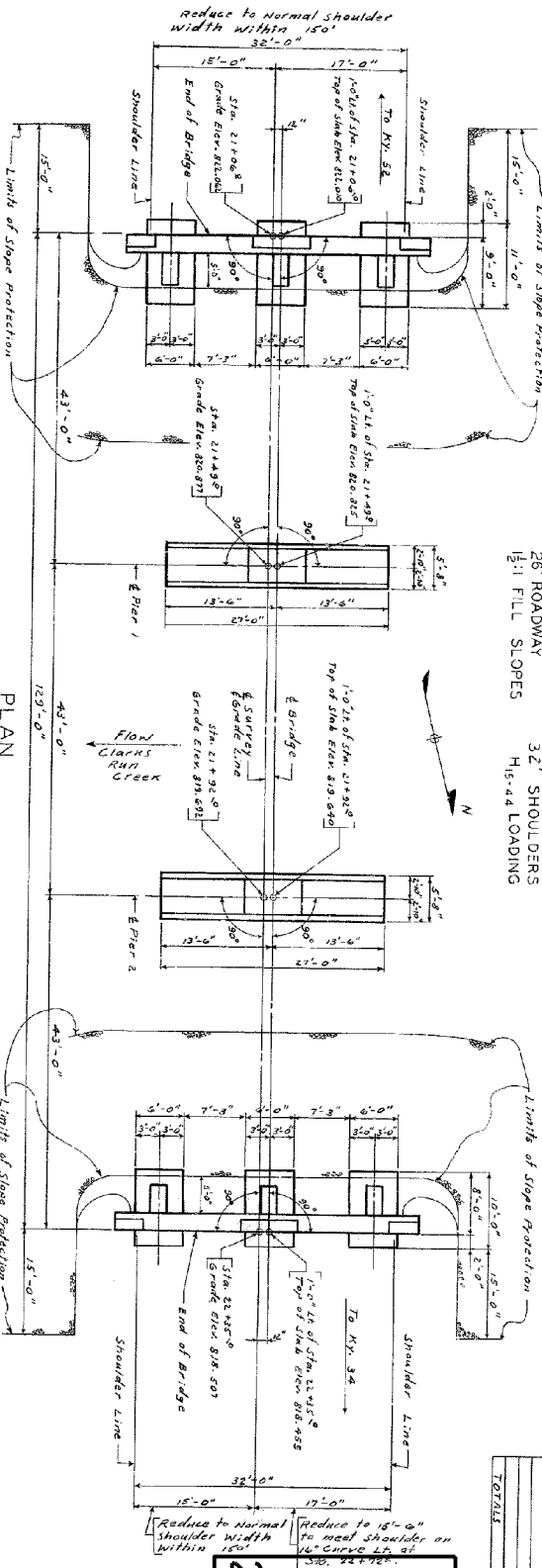
218' TOTAL - 36°30' SKEW



011B0q030N



ELEVATION
3 ~ 40'-0" R.C.D.G. SPANS ~ STRAIGHT
26' ROADWAY
15:1 FILL SLOPES
3.2' SHOULDERS
H/S-44 LOADING



PLAN
(Superstructure Removed)

GENERAL NOTE

SPECIFICATIONS: Kentucky Department of Highway 13-26 Standard with amendments.
DESIGN LOAD: Bridge designed for H-44 loading as specified in AASHTO 1987 specifications.
CONCRETE: Class "A" concrete to be used throughout except in foundations. Class "B" concrete to be used in foundations.
REINFORCEMENT: Dimensions from the face of concrete to bar spacing are as shown except as otherwise noted.
BEVELED EDGES: All exposed edges shall be beveled 1/4" unless otherwise noted.
TAR PAPER: To be commercial grade tar paper or roofing felt, approximately 1/8" thick.
FLOOR DRAINS: EXPANSION JOINT MATERIAL & COPPER STRIPS & TAR PAPER: The cost of these items to be included in the unit price bid for class "B" concrete.
PIER FOOTINGS: Four pier footings against solid rock without the use of forms. Any additional concrete placed outside the pier footings shall be at the contractor's expense.
SLOPE PROTECTION: Slope protection shall be cycloperm stone in accordance with Division 6, Section 3 of the Specifications.
REMOVAL OF EXISTING STRUCTURE: The existing wood trestle bridge shall be used as a detour structure. After the new bridge is open to traffic, the existing structure shall be removed in accordance with plans and Division 6, Section 4 of the Specifications. The steel stringers shall be carefully removed without damage and stored at a location convenient for loading. The cost of all work required for the fulfillment of this contract shall be included in the "lump sum bid".

TOTAL ESTIMATE OF QUANTITIES									
ITEM	Sheet No.	Concrete	Reinforcement	Brass Plates	Common Cu. Yds.	Solid Rock	Slope Protection	Channel Change	Remove Existing Structure
Abutment 1	1	454	403	10	50	540			
Pier 1	2	213	332	10	30				
Pier 2	3	387	350	10	30				
Abutment 2	4	387	350	10	30				
26' R.C.D.G. SPANS	5	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	6	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	7	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	8	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	9	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	10	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	11	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	12	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	13	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	14	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	15	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	16	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	17	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	18	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	19	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	20	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	21	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	22	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	23	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	24	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	25	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	26	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	27	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	28	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	29	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	30	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	31	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	32	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	33	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	34	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	35	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	36	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	37	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	38	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	39	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	40	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	41	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	42	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	43	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	44	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	45	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	46	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	47	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	48	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	49	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	50	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	51	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	52	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	53	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	54	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	55	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	56	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	57	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	58	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	59	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	60	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	61	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	62	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	63	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	64	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	65	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	66	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	67	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	68	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	69	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	70	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	71	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	72	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	73	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	74	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	75	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	76	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	77	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	78	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	79	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	80	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	81	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	82	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	83	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	84	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	85	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	86	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	87	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	88	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	89	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	90	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	91	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	92	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	93	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	94	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	95	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	96	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	97	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	98	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	99	1581	1581	1581	1581	1581			
40' R.C.D.G. SPANS	100	1581	1581	1581	1581	1581			

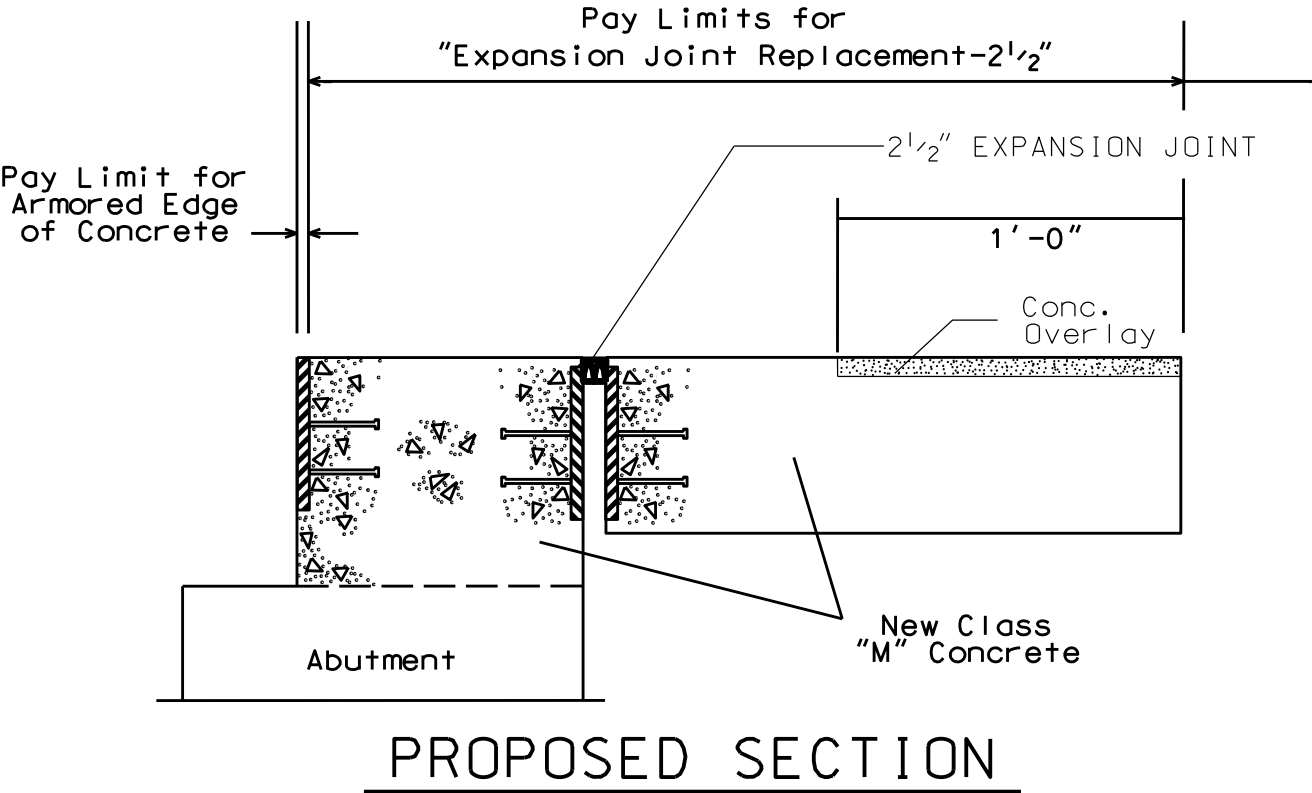
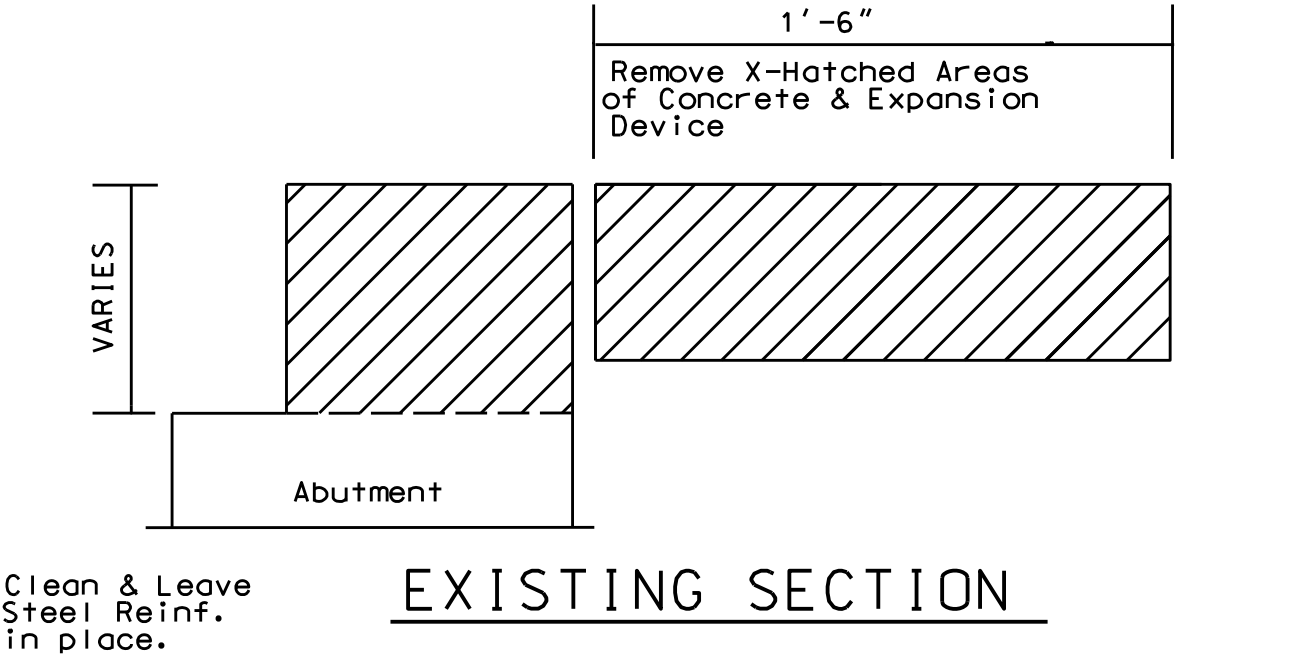
26' CURB TO CURB

ORIGINAL DESIGN DRAWING
13947 - SHEET 1
FOR REFERENCE ONLY

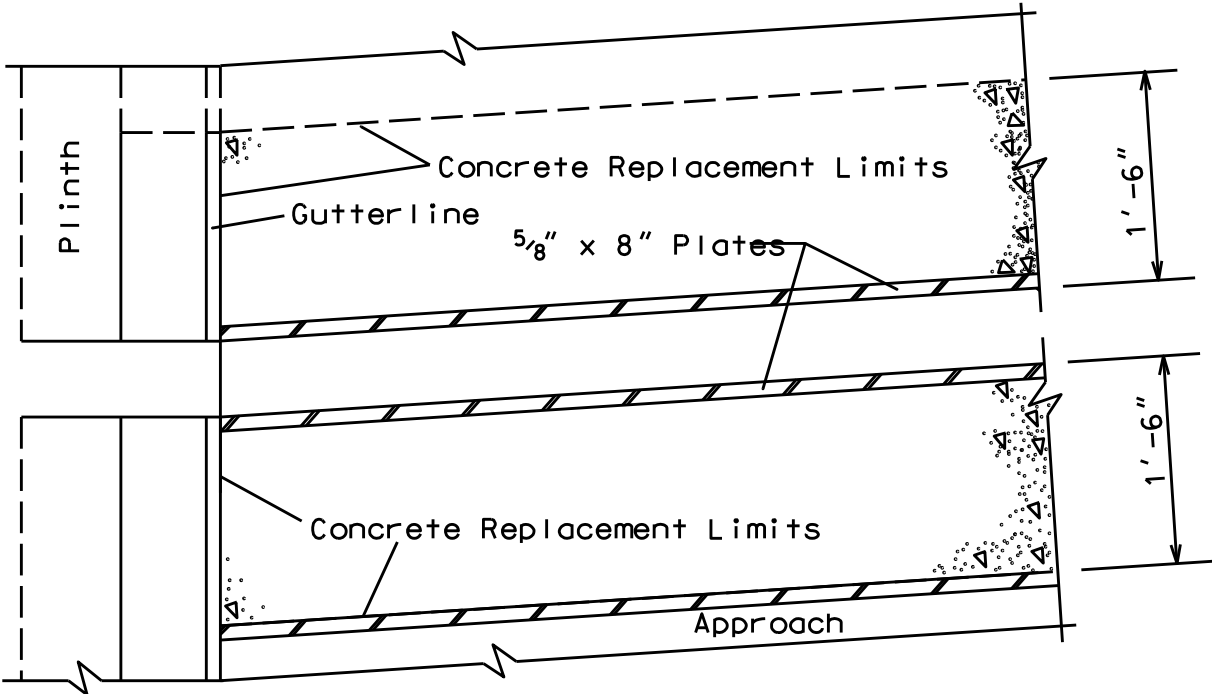
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
BOYLE
DONAHUE - GOGGINS
ROAD
PROJECT NO.
BRIDGE NUMBER
STATION 21+70.5
SHEET 1 OF 1

EXPANSION DAM DETAIL

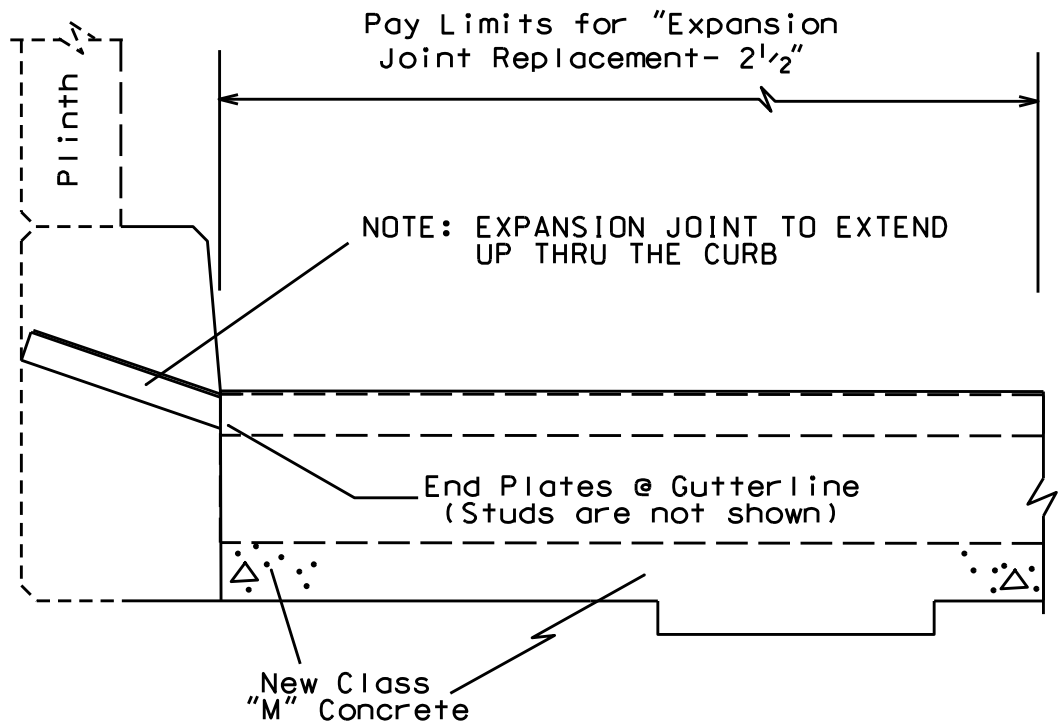
Abutments #1 and #2



CURB SECTION
END BENTS

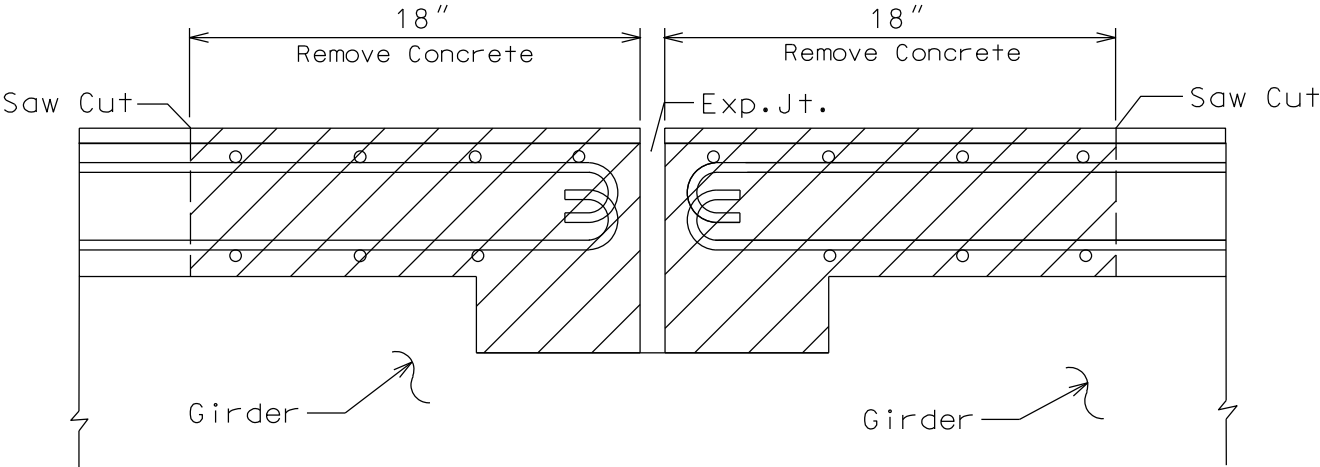


PLAN VIEW @ CURB



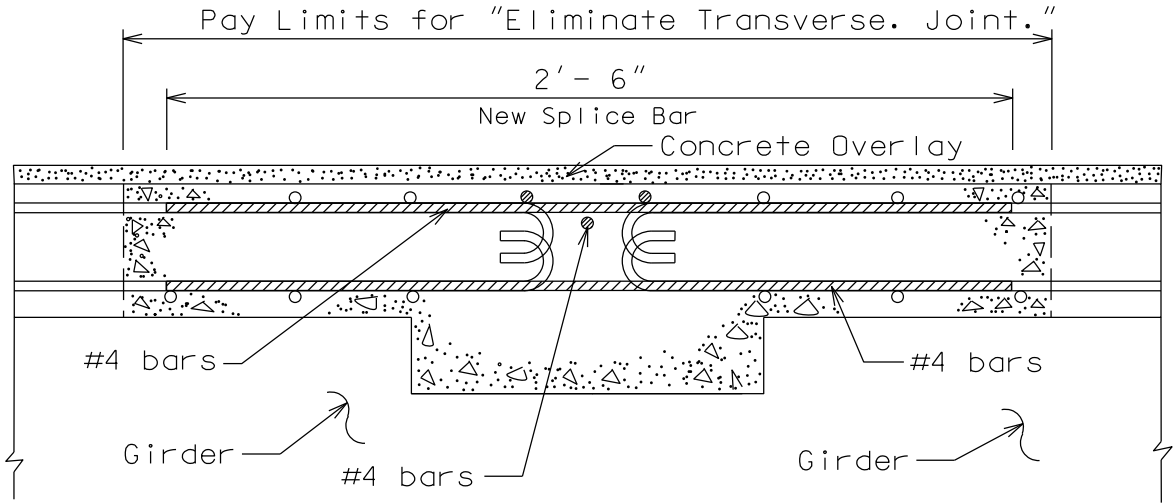
PROPOSED SECTION @ CURB

ELIMINATE TRANSVERSE
JOINT DETAIL



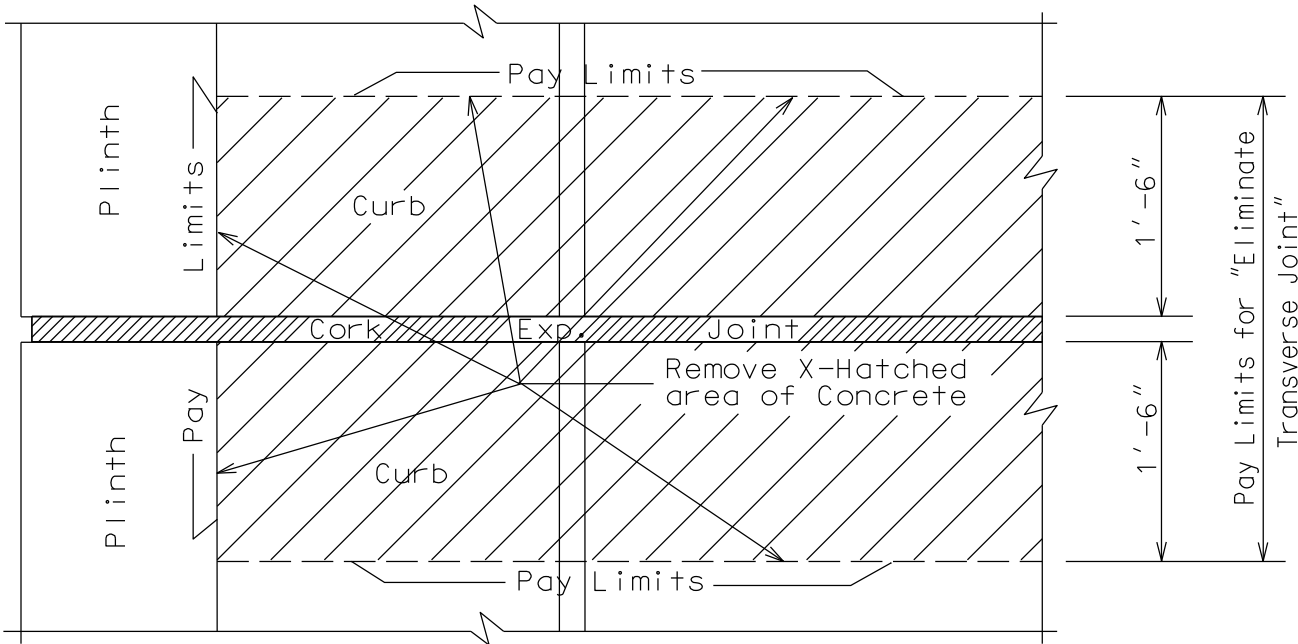
NOTE: Do not disturb existing
Steel Reinforcement

EXISTING SECTION
@ Transverse Joint

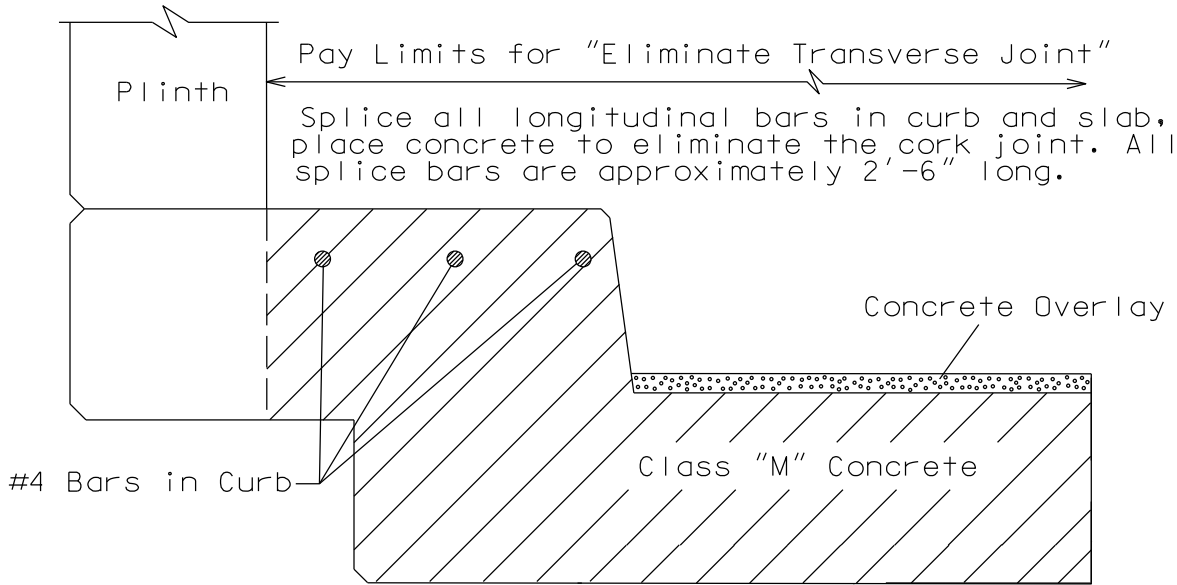


PROPOSED SECTION
@ Transverse Joint

ELIMINATE TRANSVERSE
JOINT DETAIL



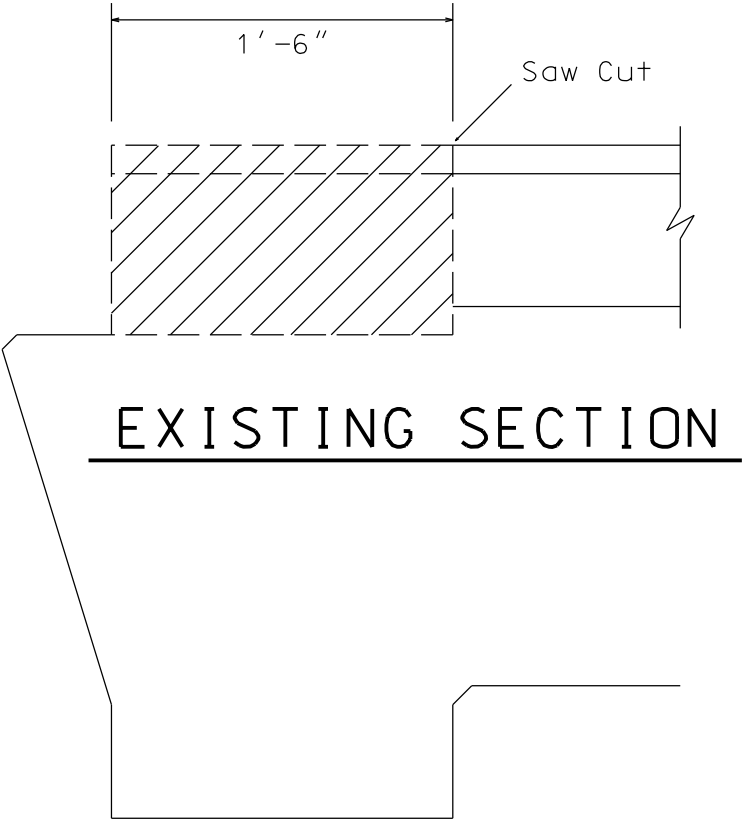
EXISTING PLAN VIEW @ CURB



PROPOSED SECTION @ CURB

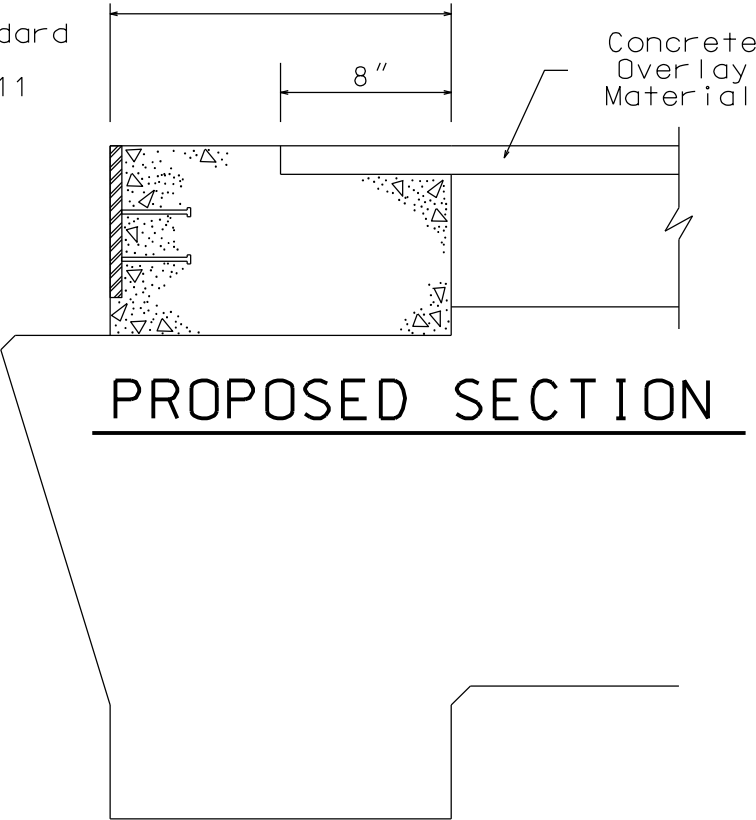
ARMORED EDGE DETAIL

Remove X-Hatched Areas of
Concrete & Expansion Device



Pay Limits for "Armored
Edge Replacement"

See Standard
Drawing
BJE-001-11



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>

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

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

Section: 0001 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02562		TEMPORARY SIGNS	596.00	SQFT		\$	
0020	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 003B00017N	1.00	LS		\$	
0030	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 003B00027N	1.00	LS		\$	
0040	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 003B00053R	1.00	LS		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 011B00030N	1.00	LS		\$	
0060	02653		LANE CLOSURE	8.00	EACH		\$	
0070	03296		EXPAN JOINT REPLACE 2 1/2 IN	165.10	LF		\$	
0080	03299		ARMORED EDGE FOR CONCRETE	263.10	LF		\$	
0090	03300		ELIMINATE TRANSVERSE JOINT	182.40	LF		\$	
0100	03304		BRIDGE OVERLAY APPROACH PAVEMENT	2,577.77	SQYD		\$	
0110	04933		TEMP SIGNAL 2 PHASE	2.00	EACH		\$	
0120	04934		TEMP SIGNAL MULTI PHASE	1.00	EACH		\$	
0130	06514		PAVE STRIPING-PERM PAINT-4 IN	3,013.30	LF		\$	
0140	06549		PAVE STRIPING-TEMP REM TAPE-B	2,000.00	LF		\$	
0150	06550		PAVE STRIPING-TEMP REM TAPE-W	4,000.00	LF		\$	
0160	06551		PAVE STRIPING-TEMP REM TAPE-Y	8,000.00	LF		\$	
0170	08150		STEEL REINFORCEMENT	2,872.40	LB		\$	
0180	08504		EPOXY SAND SLURRY	348.80	SQYD		\$	
0190	08510		REM EPOXY BIT FOREIGN OVERLAY	1,289.00	SQYD		\$	
0200	08526		CONC CLASS M FULL DEPTH PATCH	25.00	CUYD		\$	
0210	08534		CONCRETE OVERLAY-LATEX	98.40	CUYD		\$	
0220	08549		BLAST CLEANING	2,488.60	SQYD		\$	
0230	08551		MACHINE PREP OF SLAB	1,017.00	SQYD		\$	
0240	24094EC		PARTIAL DEPTH PATCHING	73.60	CUYD		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0250	02569		DEMOBILIZATION	1.00	LS		\$	