



CALL NO. 410

CONTRACT ID. 182601

HARDIN - BRECKINRIDGE - LARUE COUNTIES

FED/STATE PROJECT NUMBER 121GR18M016-FE02

DESCRIPTION BRIDGE OVERLAY AND REPAIRS IN VARIOUS COUNTIES

WORK TYPE BRIDGE DECK RESTORATION & WATERPROOFING

PRIMARY COMPLETION DATE 8/31/2018

LETTING DATE: January 26,2018

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME January 26,2018. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

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

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PART I
SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 04

CONTRACT ID - 182601

121GR18M016-FE02

COUNTY - BRECKINRIDGE

PCN - MB01400861801

FE02 014 0086 B00047N

BRIDGE OVERLAY AND REPAIRS ON KY 86 (MP 2.606). BRIDGE OVER SUGAR TREE RUN CREEKBRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:54:16.00 LONGITUDE 86:27:14.00

COUNTY - HARDIN

PCN - MB04700841801

FE02 047 0084 B00044N

KY 84 (MP 15.514). BRIDGE OVER NOLIN RIVERBRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:33:42.00 LONGITUDE 86:02:12.00

COUNTY - LARUE

PCN - MB062031E1801

FE02 062 031E B00024N

BRIDGE OVERLAY AND REPAIRS ON US 31E (MP 3.112). BRIDGE OVER WALTERS CREEKBRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:28:29.00 LONGITUDE 85:44:29.00

PCN - MB062031E1802

FE02 062 031E B00025N

BRIDGE OVERLAY AND REPAIRS ON US 31E (MP 5.366). BRIDGE OVER SOUTH FORK NOLIN RIVERBRIDGE DECK RESTORATION & WATERPROOFING

GEOGRAPHIC COORDINATES LATITUDE 37:30:25.00 LONGITUDE 85:44:12.00

COMPLETION DATE(S):

COMPLETED BY 08/31/2018	APPLIES TO ENTIRE CONTRACT
30 CALENDAR Days	APPLIES TO 014B00047N
30 CALENDAR Days	APPLIES TO 047B00044N
30 CALENDAR Days	APPLIES TO 062B00024N
30 CALENDAR Days	APPLIES TO 062B00025N

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 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 014B00047N and 047B00044N, 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. See Special Note for Use of Hydrodemolition Method.
- B. Remove Existing Overlay.** In addition to Section 606.03.03, totally remove the existing concrete overlay for 062B00024N and 062B00025N by milling. See Special Note for Use of Hydrodemolition Method.
- 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 062B00024N and 062B00025N, 80' for the North end of 047B00044N (to KY-84 intersection with Buckles Rd. and Cave Rd.), and 100' for 014B00047N and the South end of 047B00044N, from the bridge ends. 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:

014B00047N	(84’x 22’x 1.50”)	= 8.6 cuyd
047B00044N	(332’x 24’x 1.50”)	= 36.9 cuyd
062B00024N	(129’x 30’x 1.50”)	= 17.9 cuyd
062B00025N	(152’x 30’x 1.50”)	= 21.1 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 014B00047N and 047B00044N 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 062B00024N and 062B00025N 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 014B00047N and 047B00044N, 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 062B00024N and 062B00025N 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.

C. Stud Anchors. The armored edge stud anchors are ¾" 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 ½") 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, 6,350 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 ½") Expansion Joint System.** System shall be installed in accordance with manufacturer's recommendations concerning approved adhesives, welds between sticks and appurtenances, and adhesion to concrete deck or armored edges. Joint seal is to be installed ½" recessed from the surface.
- F. 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 ½".** 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 ½".** 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 August 31, 2018. 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>
014B00047N	30	August 31, 2018
047B00044N	30	August 31, 2018
062B00024N	30	August 31, 2018
062B00025N	30	August 31, 2018

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 August 31, 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

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:

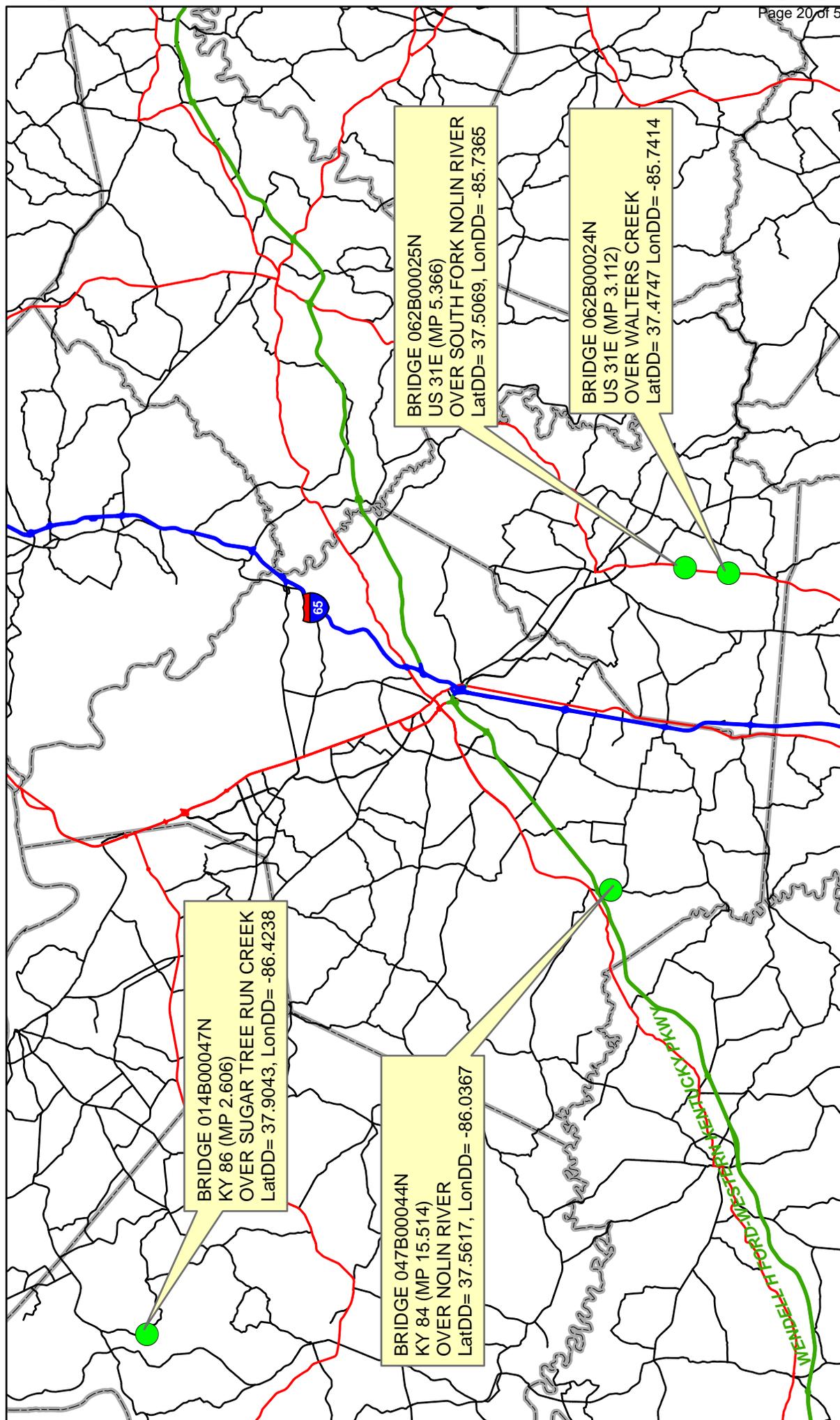
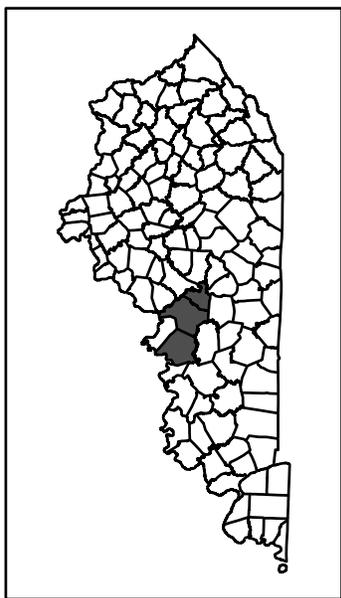
014B00047N	10'-6"
047B00044N	11'-0"
062B00024N	12'-6"
062B00025N	12'-6"

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.

014B00047N	2 phase
047B00044N	Multi-phase
062B00024N	2 phase
062B00025N	2 phase

BRECKENRIDGE, HARDIN AND LARUE COUNTIES



MATERIAL SUMMARY

CONTRACT ID: 182601

121GR18M016-FE02

MB01400861801

BRIDGE OVERLAY AND REPAIRS ON KY 86 (MP 2.606). BRIDGE OVER SUGAR TREE RUN CREEK 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 014B00047N	1.00	LS
0015	02653	LANE CLOSURE	2.00	EACH
0020	03299	ARMORED EDGE FOR CONCRETE	44.00	LF
0025	03300	ELIMINATE TRANSVERSE JOINT	48.60	LF
0030	03304	BRIDGE OVERLAY APPROACH PAVEMENT	489.00	SQYD
0035	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0040	06514	PAVE STRIPING-PERM PAINT-4 IN	568.00	LF
0045	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0050	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0055	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0060	08150	STEEL REINFORCEMENT	601.20	LB
0065	08504	EPOXY SAND SLURRY	56.00	SQYD
0070	08526	CONC CLASS M FULL DEPTH PATCH	5.00	CUYD
0075	08534	CONCRETE OVERLAY-LATEX	8.60	CUYD
0080	08549	BLAST CLEANING	261.00	SQYD
0085	08551	MACHINE PREP OF SLAB	205.00	SQYD
0090	24094EC	PARTIAL DEPTH PATCHING	10.00	CUYD
0095	02569	DEMOBILIZATION	1.00	LS
0100	23879EC	ACRYLIC GLASS - APPLIES TO BRIDGE 014B00047N	13.00	SQFT

MATERIAL SUMMARY

CONTRACT ID: 182601

121GR18M016-FE02

MB04700841801

KY 84 (MP 15.514). BRIDGE OVER NOLIN RIVER 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 047B00044N	1.00	LS
0115	02653	LANE CLOSURE	2.00	EACH
0120	03296	EXPAN JOINT REPLACE 2 1/2 IN	72.00	LF
0125	03299	ARMORED EDGE FOR CONCRETE	48.00	LF
0130	03300	ELIMINATE TRANSVERSE JOINT	120.00	LF
0135	03304	BRIDGE OVERLAY APPROACH PAVEMENT	480.00	SQYD
0140	04934	TEMP SIGNAL MULTI PHASE	1.00	EACH
0145	06514	PAVE STRIPING-PERM PAINT-4 IN	415.00	LF
0150	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0155	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0160	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0165	08150	STEEL REINFORCEMENT	1,603.20	LB
0170	08504	EPOXY SAND SLURRY	356.60	SQYD
0175	08526	CONC CLASS M FULL DEPTH PATCH	15.00	CUYD
0180	08534	CONCRETE OVERLAY-LATEX	36.90	CUYD
0185	08549	BLAST CLEANING	1,242.00	SQYD
0190	08551	MACHINE PREP OF SLAB	885.00	SQYD
0195	24094EC	PARTIAL DEPTH PATCHING	27.70	CUYD
0200	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 182601

121GR18M016-FE02

MB062031E1801

BRIDGE OVERLAY AND REPAIRS ON US 31E (MP 3.112). BRIDGE OVER WALTERS CREEK BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0205	02562	TEMPORARY SIGNS	149.00	SQFT
0210	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 062B00024N	1.00	LS
0215	02653	LANE CLOSURE	2.00	EACH
0220	03299	ARMORED EDGE FOR CONCRETE	69.30	LF
0225	03300	ELIMINATE TRANSVERSE JOINT	69.60	LF
0230	03304	BRIDGE OVERLAY APPROACH PAVEMENT	333.34	SQYD
0235	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0240	06514	PAVE STRIPING-PERM PAINT-4 IN	516.00	LF
0245	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0250	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0255	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0260	08150	STEEL REINFORCEMENT	868.40	LB
0265	08504	EPOXY SAND SLURRY	109.90	SQYD
0270	08526	CONC CLASS M FULL DEPTH PATCH	10.00	CUYD
0275	08534	CONCRETE OVERLAY-LATEX	17.90	CUYD
0280	08549	BLAST CLEANING	485.00	SQYD
0285	23879EC	ACRYLIC GLASS - APPLIES TO BRIDGE 062B00024N	57.00	SQFT
0290	24094EC	PARTIAL DEPTH PATCHING	13.40	CUYD
0295	02569	DEMOBILIZATION	1.00	LS
0300	08510	REM EPOXY BIT FOREIGN OVERLAY	430.00	SQYD

MATERIAL SUMMARY

CONTRACT ID: 182601

121GR18M016-FE02

MB062031E1802

BRIDGE OVERLAY AND REPAIRS ON US 31E (MP 5.366). BRIDGE OVER SOUTH FORK NOLIN RIVER BRIDGE DECK RESTORATION & WATERPROOFING.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0305	02562	TEMPORARY SIGNS	149.00	SQFT
0310	02650	MAINTAIN & CONTROL TRAFFIC - APPLIES TO 062B00025N	1.00	LS
0315	02653	LANE CLOSURE	2.00	EACH
0320	03299	ARMORED EDGE FOR CONCRETE	60.00	LF
0325	03300	ELIMINATE TRANSVERSE JOINT	102.00	LF
0330	03304	BRIDGE OVERLAY APPROACH PAVEMENT	333.34	SQYD
0335	04933	TEMP SIGNAL 2 PHASE	1.00	EACH
0340	06514	PAVE STRIPING-PERM PAINT-4 IN	567.00	LF
0345	06549	PAVE STRIPING-TEMP REM TAPE-B	500.00	LF
0350	06550	PAVE STRIPING-TEMP REM TAPE-W	1,000.00	LF
0355	06551	PAVE STRIPING-TEMP REM TAPE-Y	2,000.00	LF
0360	08150	STEEL REINFORCEMENT	1,169.00	LB
0365	08504	EPOXY SAND SLURRY	129.50	SQYD
0370	08510	REM EPOXY BIT FOREIGN OVERLAY	507.00	SQYD
0375	08526	CONC CLASS M FULL DEPTH PATCH	15.00	CUYD
0380	08534	CONCRETE OVERLAY-LATEX	21.10	CUYD
0385	08549	BLAST CLEANING	636.00	SQYD
0390	23879EC	ACRYLIC GLASS - APPLIES TO BRIDGE 062B00025N	50.00	SQFT
0395	24094EC	PARTIAL DEPTH PATCHING	19.40	CUYD
0400	02569	DEMOBILIZATION	1.00	LS

DESIGNED BY: *Mudrow* DATE: 2/5/11
CHECKED BY: *S.J.A.* DATE: 2/5/11
REVISIONS: *None Added* EAS: *2/5/11*

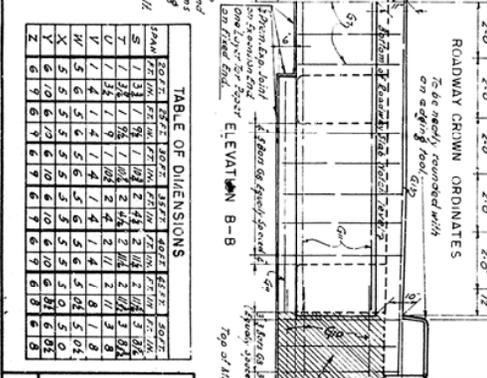
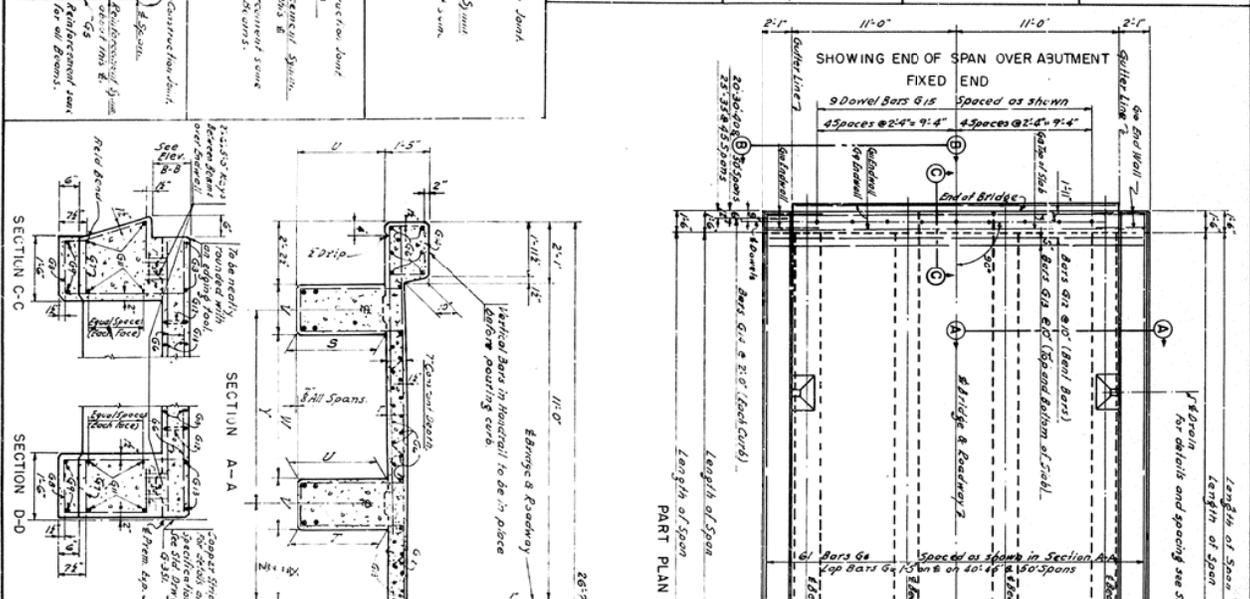
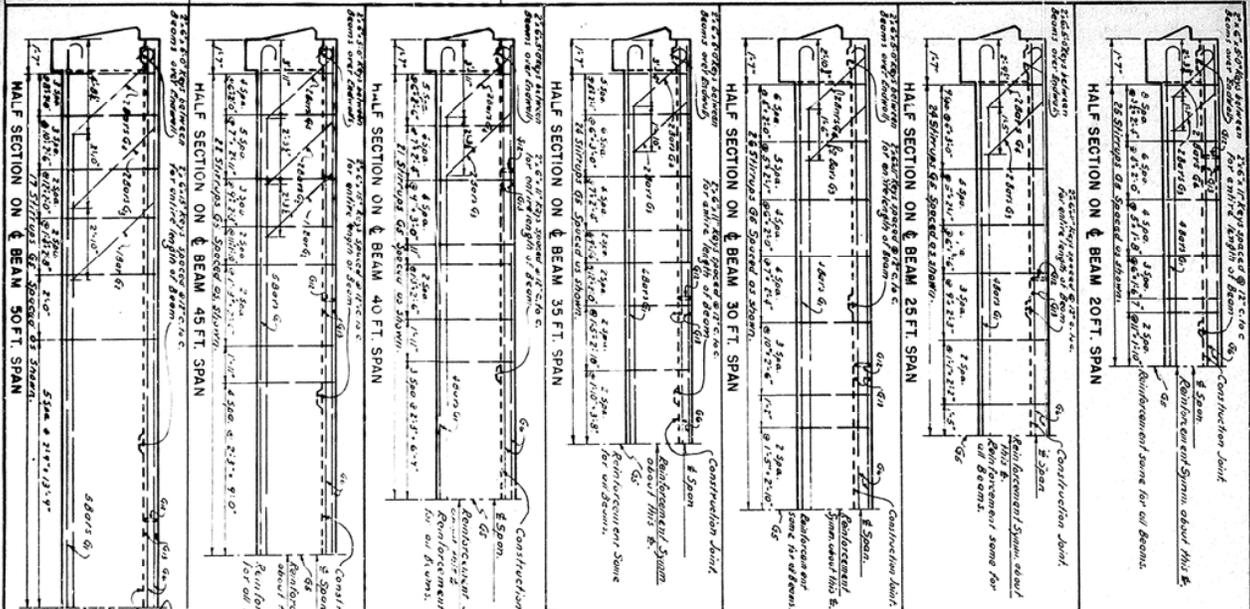
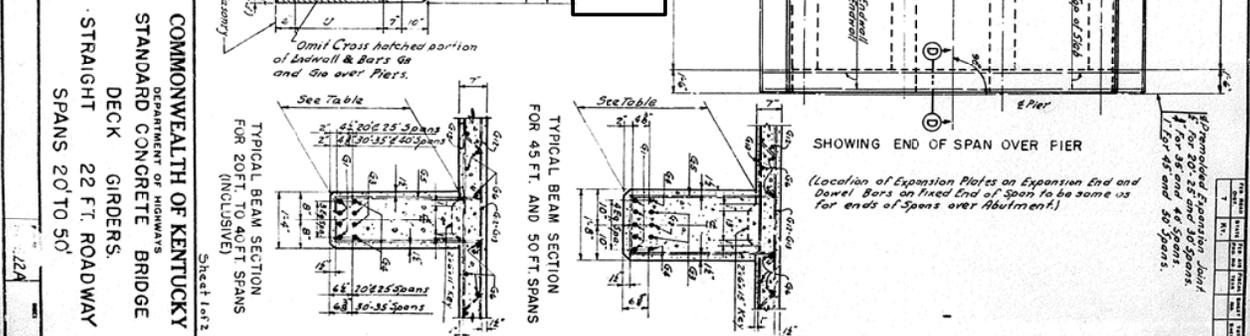
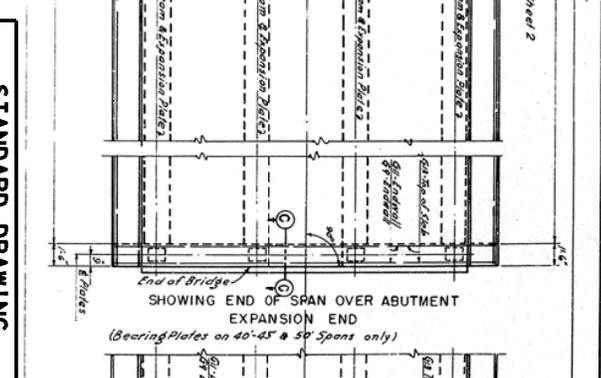


TABLE OF DIMENSIONS

SPAN	20 FT	25 FT	30 FT	35 FT	40 FT	45 FT
1	1	1	1	1	1	1
2	1	1	1	1	1	1
3	1	1	1	1	1	1
4	1	1	1	1	1	1
5	1	1	1	1	1	1
6	1	1	1	1	1	1
7	1	1	1	1	1	1
8	1	1	1	1	1	1
9	1	1	1	1	1	1
10	1	1	1	1	1	1
11	1	1	1	1	1	1
12	1	1	1	1	1	1
13	1	1	1	1	1	1
14	1	1	1	1	1	1
15	1	1	1	1	1	1
16	1	1	1	1	1	1
17	1	1	1	1	1	1
18	1	1	1	1	1	1
19	1	1	1	1	1	1
20	1	1	1	1	1	1



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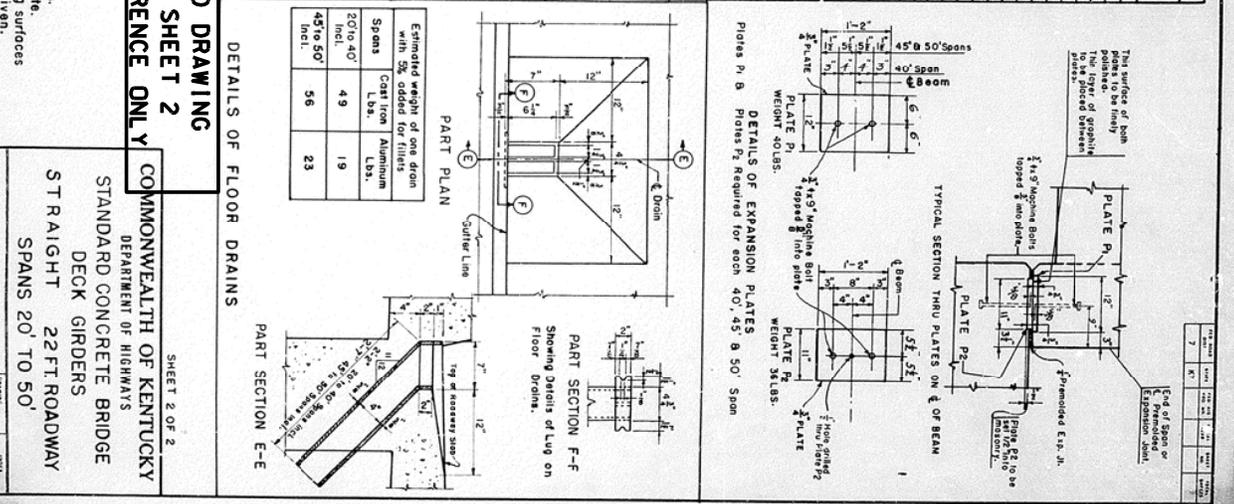
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
STANDARD CONCRETE BRIDGE
DECK GIRDERS
22 FT. ROADWAY
SPANS 20' TO 50'
Sheet 1 of 2

REVISIONS: REVISION NO. 1, DATE 11/14/14, BY [Signature]
REVISION NO. 2, DATE 11/14/14, BY [Signature]
REVISION NO. 3, DATE 11/14/14, BY [Signature]

SPAN	MARK	TYPE	NUMBER	BAR	N	LENGTH	LOCATION	BILL AND TYPES OF REINFORCEMENT (FOR ONE SPAN)															
								d	b	c	d	e	f	g	h	i	j						
50 FT.	G1	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
	G2	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
	G3	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	G4	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	G5	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	G6	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G7	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G8	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G9	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G10	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

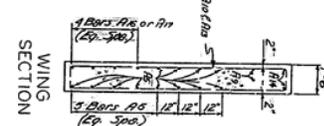
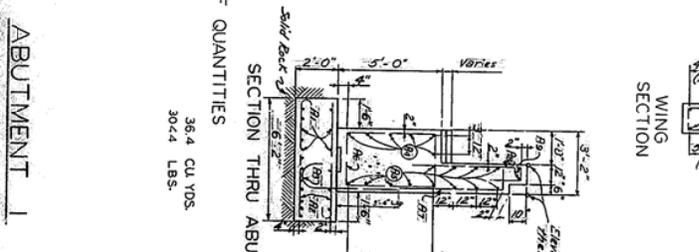
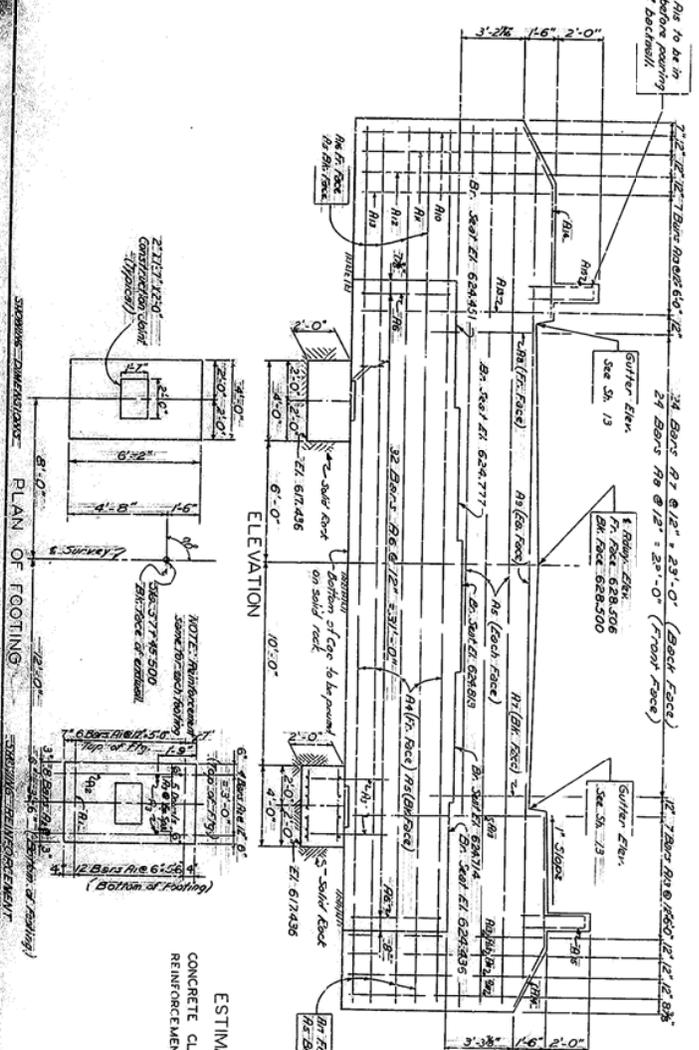
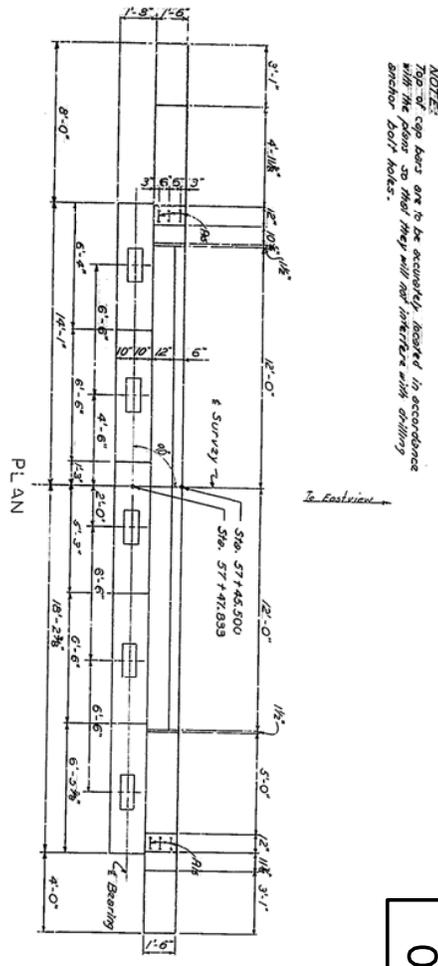
SPAN	MARK	TYPE	NUMBER	BAR	N	LENGTH	LOCATION	ESTIMATE OF QUANTITIES														
								d	b	c	d	e	f	g	h	i	j					
50 FT.	G1	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
	G2	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G3	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G4	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G5	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G6	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G7	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G8	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G9	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G10	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

SPAN	MARK	TYPE	NUMBER	BAR	N	LENGTH	LOCATION	DETAILS OF FLOOR DRAINS													
								d	b	c	d	e	f	g	h	i	j				
50 FT.	G1	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G2	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G3	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G4	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G5	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G6	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G7	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G8	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G9	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	G10	16	16	16	16	110	Beams	26.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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DATE	BY	CHKD	APP'D
11/14/12	J. King	M. King	
11/14/12	J. King	M. King	
11/14/12	J. King	M. King	



ESTIMATE OF QUANTITIES
CONCRETE CLASS 'A'
REINFORCEMENT
36.4 CU YDS
3074 LBS.

ABUTMENT 1

ORIGINAL DESIGN DRAWING
15594 - SHEET 3
FOR REFERENCE ONLY

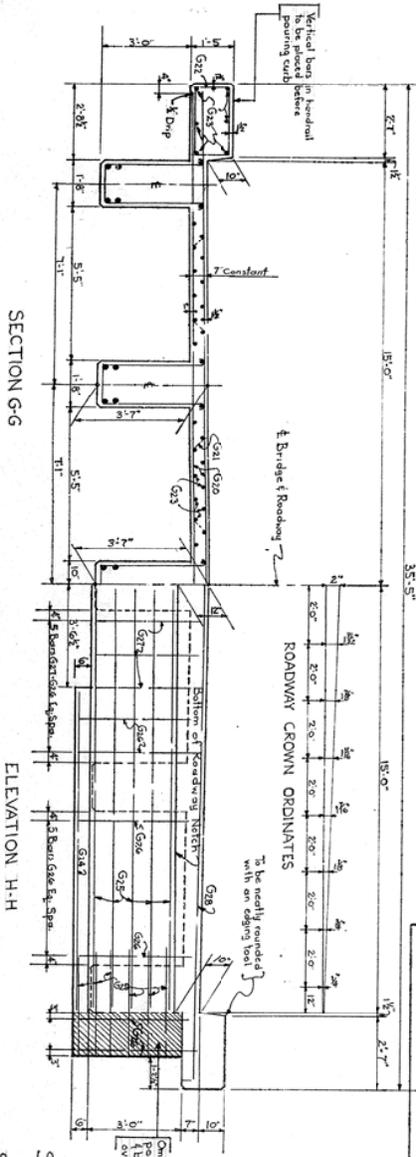
KY 84 OVER NOLIN RIVER
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
HARDIN COUNTY
SONORA-EASTVIEW (KY 84)
ROAD
PROJECT NO. SP27-120
STATION 59+12.0

BILL OF REINFORCEMENT		LOCATION		QUANTITY	
NO.	DESCRIPTION	STATION	TYPE	AMOUNT	UNIT
1	24 Bars Top @ 12" x 23" (Back Face)	59+12.0	TYPE 1	36.4	CU YDS
2	24 Bars Bottom @ 12" x 23" (Front Face)	59+12.0	TYPE 2	36.4	CU YDS
3	12 Bars Top @ 6" x 6" (Both Sides of Footing)	59+12.0	TYPE 3	3074	LBS.
4	12 Bars Bottom @ 6" x 6" (Both Sides of Footing)	59+12.0	TYPE 4	3074	LBS.
5	1 Bar Top or Bottom (Exp. Sp.)	59+12.0	TYPE 5	1	BAR
6	2 Bars Top or Bottom (Exp. Sp.)	59+12.0	TYPE 6	2	BAR

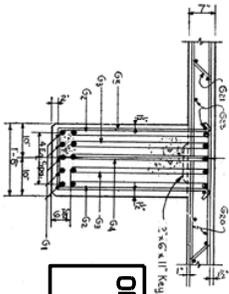
DESIGNED BY	CHECKED BY	DATE	REVISED BY	DATE
BY <i>N.S. Jones</i>	BY <i>P.T. Patton</i>	10/1/63		
DRAWN BY	CHECKED BY	DATE	REVISED BY	DATE

Grid Line	Beam No. 1		Beam No. 2		Beam No. 3		Beam No. 4		Beam No. 5		Right Offset
	Elevation Top of Steel @ E-Beam	Sta. "X"	Elevation Top of Steel @ E-Beam	Sta. "X"	Elevation Top of Steel @ E-Beam	Sta. "X"	Elevation Top of Steel @ E-Beam	Sta. "X"	Elevation Top of Steel @ E-Beam	Sta. "X"	
1R	628.556	628.591			628.490		628.453		628.512		628.516
1B	628.442	628.507			628.496		628.459		628.518		628.520
1C	628.342	628.597			628.496		628.460		628.520		628.522
1D	628.346	628.650			628.499		628.463		628.523		628.526
1E	628.520	628.714			628.673		628.637		628.518		628.528
1F	628.522	628.597			628.676		628.639		628.528		628.530
1G	628.574	628.579			628.678		628.642		628.530		628.532
1H	628.601	628.716			628.814		628.778		628.536		628.534
1I	628.662	628.717			628.816		628.779		628.536		628.534
1J	628.662	628.736			628.835		628.799		628.537		628.535
1K	628.662	628.736			628.835		628.799		628.537		628.535
1L	628.662	628.736			628.835		628.799		628.537		628.535
1M	628.662	628.736			628.835		628.799		628.537		628.535
1N	628.662	628.736			628.835		628.799		628.537		628.535
1P	628.662	628.691			628.799		628.799		628.697		628.691
1Q	628.655	628.690			628.799		628.799		628.697		628.691
1R	628.655	628.690			628.799		628.799		628.697		628.691
1S	628.655	628.690			628.799		628.799		628.697		628.691
1T	628.524	628.575			628.575		628.575		628.575		628.575
1U	628.522	628.577			628.576		628.576		628.575		628.575
1V	628.520	628.576			628.577		628.577		628.575		628.575
1W	628.561	628.600			628.600		628.600		628.561		628.561
1X	628.561	628.597			628.600		628.600		628.561		628.561
1Y	628.561	628.597			628.600		628.600		628.561		628.561
1Z	628.576	628.591			628.600		628.600		628.561		628.561
2	628.597	628.646			628.646		628.646		628.597		628.597
3	628.646	628.685			628.685		628.685		628.646		628.646
4	628.685	628.724			628.724		628.724		628.685		628.685
5	628.724	628.763			628.763		628.763		628.724		628.724
6	628.763	628.802			628.802		628.802		628.763		628.763
7	628.802	628.841			628.841		628.841		628.802		628.802
8	628.841	628.880			628.880		628.880		628.841		628.841
9	628.880	628.919			628.919		628.919		628.880		628.880
10	628.919	628.958			628.958		628.958		628.919		628.919
11	628.958	628.997			628.997		628.997		628.958		628.958
12	628.997	629.036			629.036		629.036		628.997		628.997
13	629.036	629.075			629.075		629.075		629.036		629.036
14	629.075	629.114			629.114		629.114		629.075		629.075
15	629.114	629.153			629.153		629.153		629.114		629.114
16	629.153	629.192			629.192		629.192		629.153		629.153
17	629.192	629.231			629.231		629.231		629.192		629.192
18	629.231	629.270			629.270		629.270		629.231		629.231
19	629.270	629.309			629.309		629.309		629.270		629.270
20	629.309	629.348			629.348		629.348		629.309		629.309
21	629.348	629.387			629.387		629.387		629.348		629.348
22	629.387	629.426			629.426		629.426		629.387		629.387
23	629.426	629.465			629.465		629.465		629.426		629.426
24	629.465	629.504			629.504		629.504		629.465		629.465
25	629.504	629.543			629.543		629.543		629.504		629.504
26	629.543	629.582			629.582		629.582		629.543		629.543
27	629.582	629.621			629.621		629.621		629.582		629.582
28	629.621	629.660			629.660		629.660		629.621		629.621
29	629.660	629.699			629.699		629.699		629.660		629.660
30	629.699	629.738			629.738		629.738		629.699		629.699
31	629.738	629.777			629.777		629.777		629.738		629.738
32	629.777	629.816			629.816		629.816		629.777		629.777
33	629.816	629.855			629.855		629.855		629.816		629.816
34	629.855	629.894			629.894		629.894		629.855		629.855
35	629.894	629.933			629.933		629.933		629.894		629.894
36	629.933	629.972			629.972		629.972		629.933		629.933
37	629.972	630.011			630.011		630.011		629.972		629.972
38	630.011	630.050			630.050		630.050		630.011		630.011
39	630.050	630.089			630.089		630.089		630.050		630.050
40	630.089	630.128			630.128		630.128		630.089		630.089
41	630.128	630.167			630.167		630.167		630.128		630.128
42	630.167	630.206			630.206		630.206		630.167		630.167
43	630.206	630.245			630.245		630.245		630.206		630.206
44	630.245	630.284			630.284		630.284		630.245		630.245
45	630.284	630.323			630.323		630.323		630.284		630.284
46	630.323	630.362			630.362		630.362		630.323		630.323
47	630.362	630.401			630.401		630.401		630.362		630.362
48	630.401	630.440			630.440		630.440		630.401		630.401
49	630.440	630.479			630.479		630.479		630.440		630.440
50	630.479	630.518			630.518		630.518		630.479		630.479
51	630.518	630.557			630.557		630.557		630.518		630.518
52	630.557	630.596			630.596		630.596		630.557		630.557
53	630.596	630.635			630.635		630.635		630.596		630.596
54	630.635	630.674			630.674		630.674		630.635		630.635
55	630.674	630.713			630.713		630.713		630.674		630.674
56	630.713	630.752			630.752		630.752		630.713		630.713
57	630.752	630.791			630.791		630.791		630.752		630.752
58	630.791	630.830			630.830		630.830		630.791		630.791
59	630.830	630.869			630.869		630.869		630.830		630.830
60	630.869	630.908			630.908		630.908		630.869		630.869
61	630.908	630.947			630.947		630.947		630.908		630.908
62	630.947	630.986			630.986		630.986		630.947		630.947
63	630.986	631.025			631.025		631.025		630.986		630.986
64	631.025	631.064			631.064		631.064		631.025		631.025
65	631.064	631.103			631.103		631.103		631.064		631.064
66	631.103	631.142			631.142		631.142		631.103		631.103
67	631.142	631.181			631.181		631.181		631.142		631.142
68	631.181	631.220			631.220		631.220		631.181		631.181
69	631.220	631.259			631.259		631.259		631.220		631.220
70	631.259	631.298			631.298		631.298		631.259		631.259
71	631.298	631.337			631.337		631.337		631.298		631.298
72	631.337	631.376			631.376		631.376		631.337		631.337
73	631.376	631.415			631.415		631.415		631.376		631.376
74	631.415	631.454			631.454		631.454		631.415		631.415
75	631.454	631.493			631.493		631.493		631.454		631.454
76	631.493	631.532			631.532		631.532		631.493		631.493
77	631.532	631.571			631.571		631.571		631.532		631.532
78	631.571	631.610			631.610		631.610		631.571		631.571
79	631.610	631.649			631.649		631.649		631.610		631.610
80	631.649	631.688			631.688		631.688		631.649		631.649
81	631.688	631.727			631.727		631.727		631.688		631.688
82	631.727	631.766			631.766		631.766		631.727		631.727
83	631.766	631.805			631.805		631.805		631.766		631.766
84	631.805	631.844			631.844		631.844		631.805		631.805
85	631.844	631.883			631.883		631.883		631.844		631.844
86	631.883	631.922			631.922		631.922		631.883		631.883
87	631.922	631.961			631.961		631.961		631.922		631.922
88	631.961	632.000			632.000		632.000		631.961		631.961
89	632.000	632.039			632.039		632.039		632.000		632.000
90	632.039										

DESIGNED BY: S. Brown	CHECKED BY: [Signature]	DATE: 7-11	REVIEWED:	DATE:
TRACED BY:	CHECKED BY:	DATE:	REVIEWED:	DATE:

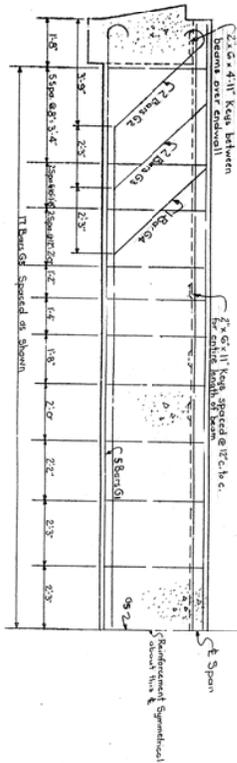


TYPICAL BEAM SECTION

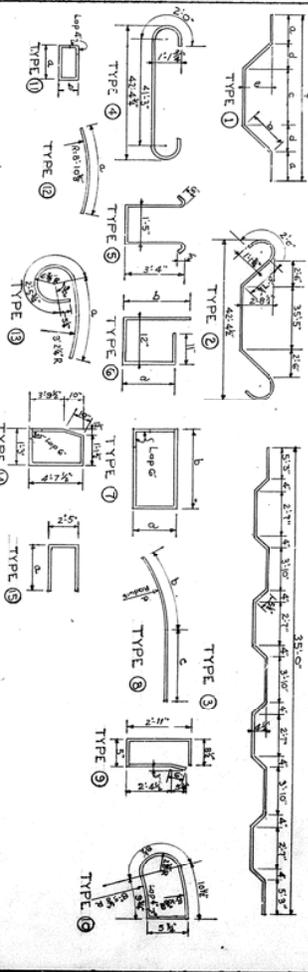


ORIGINAL DESIGN DRAWING
12482 - SHEET 7
FOR REFERENCE ONLY

HALF SECTION ON E BEAM
(Reinforcement same for all beams)



BILL OF REINFORCEMENT															
NO.	DESCRIPTION	UNIT	QTY	WEIGHT	EST. AMT.	PERCENT	LOCATION	NO.	DESCRIPTION	UNIT	QTY	WEIGHT	EST. AMT.	PERCENT	LOCATION
1	3.6x11' Beam	Beam	1	11.0	11.0	100	Beam	1	2.6x11' Beam	Beam	1	11.0	11.0	100	Beam
2	2.6x11' Beam	Beam	1	11.0	11.0	100	Beam	2	3.6x11' Beam	Beam	1	11.0	11.0	100	Beam
3	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	3	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
4	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	4	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
5	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	5	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
6	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	6	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
7	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	7	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
8	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	8	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
9	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	9	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
10	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	10	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
11	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	11	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
12	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	12	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
13	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	13	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
14	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	14	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
15	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	15	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
16	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	16	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
17	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	17	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
18	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	18	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
19	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	19	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
20	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	20	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
21	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	21	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
22	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	22	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
23	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	23	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam
24	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam	24	1.5x11' Beam	Beam	1	11.0	11.0	100	Beam



ESTIMATE OF QUANTITIES

SPAN NO 1	Class A Concrete	100.7 Cu Yd.
SPAN NO 2	Class A Concrete	2315.4 Lbs.
SPAN NO 3	Class A Concrete	100.7 Cu Yd.
	Class D Concrete	88.7 Cu Yd.
	Reinforcement	2155.3 Lbs.
	Reinforcement	2315.4 Lbs.

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LARUE

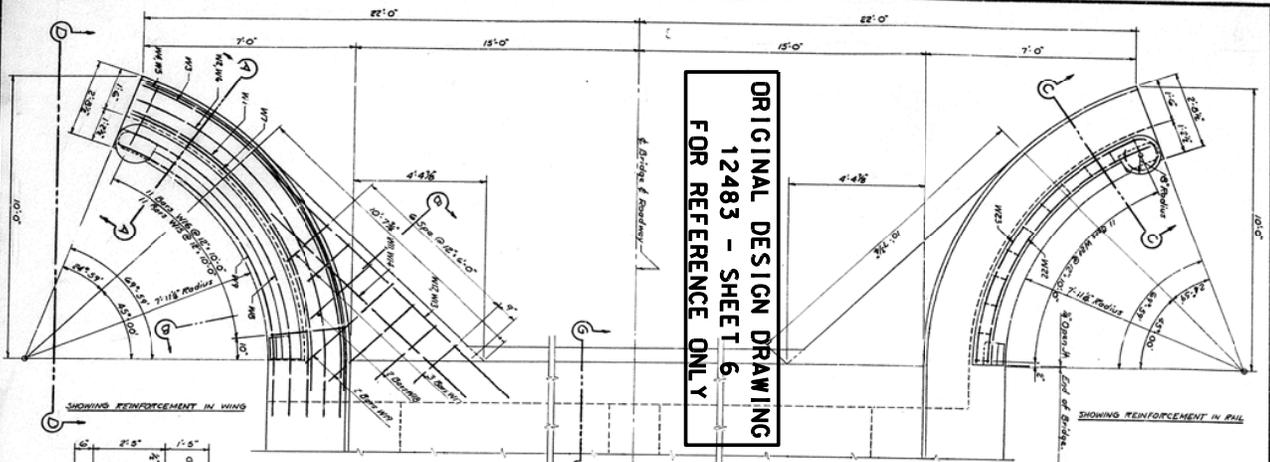
HODGENVILLE - MAGNOLIA
ROAD

STATION 1314+47
PROJECT NO. 12482

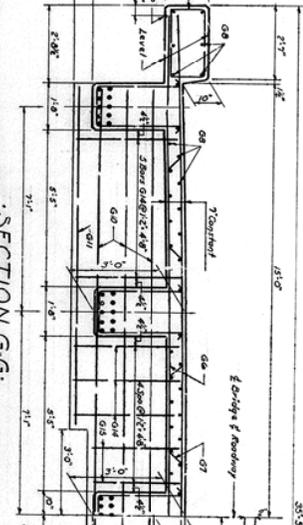
062B00024N

DESIGNED BY: <i>J.M. Knight</i>	CHECKED BY: <i>J.M. Knight</i>	DATE: <i>1/20/20</i>	REVISED:	DATE:
APPROVED BY: <i>J.M. Knight</i>	CHECKED BY: <i>J.M. Knight</i>	DATE: <i>1/20/20</i>	REVISED:	DATE:
TRACED BY:	CHECKED BY:	DATE:	REVISED:	DATE:

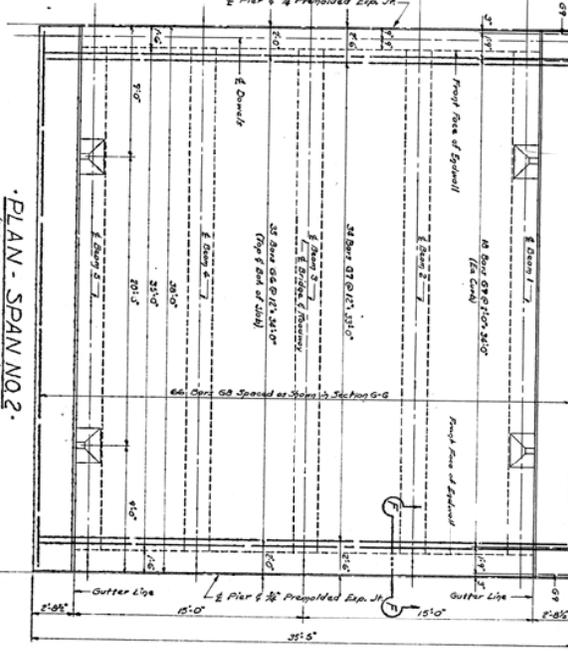
**ORIGINAL DESIGN DRAWING
12483 - SHEET 6
FOR REFERENCE ONLY**



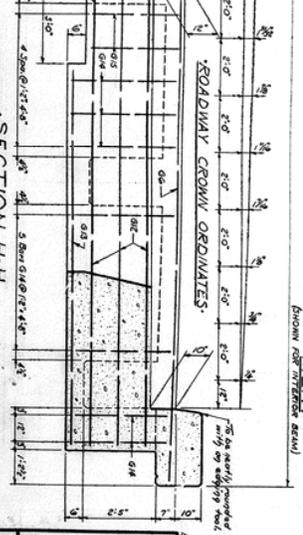
PART PLAN - SPAN NO. 1
(SPAN NO. 4 OPPOSITE HAND)



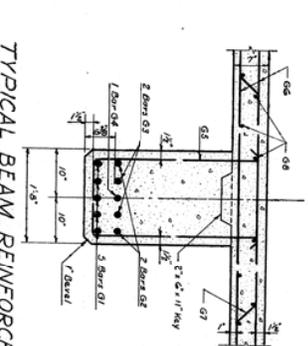
SECTION A-A



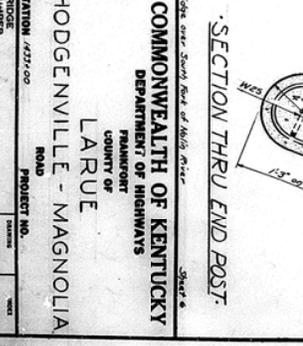
SECTION B-B



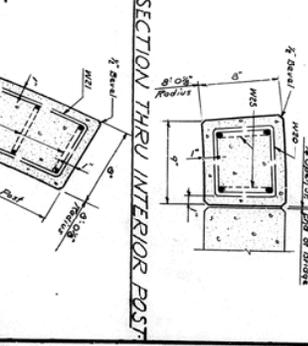
SECTION C-C



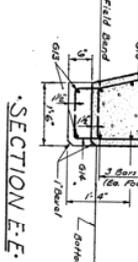
SECTION D-D



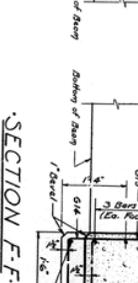
SECTION E-E



SECTION F-F



TYPICAL BEAM REINFORCEMENT
(KNOWN FOR INTERIOR BEAM)



SECTION THRU INTERIOR POST



SECTION THRU END POST

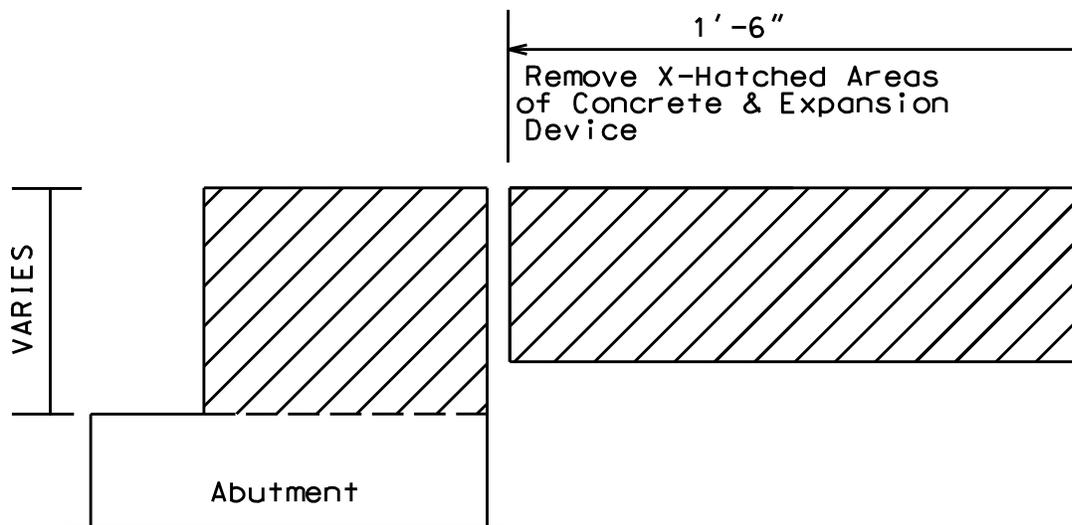
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
LARUE
HODGENVILLE - MAGNOLIA
ROAD
PROJECT NO. 12483
STATION 423+00
BRIDGE NUMBER 12483

062B00025N

047B00044N

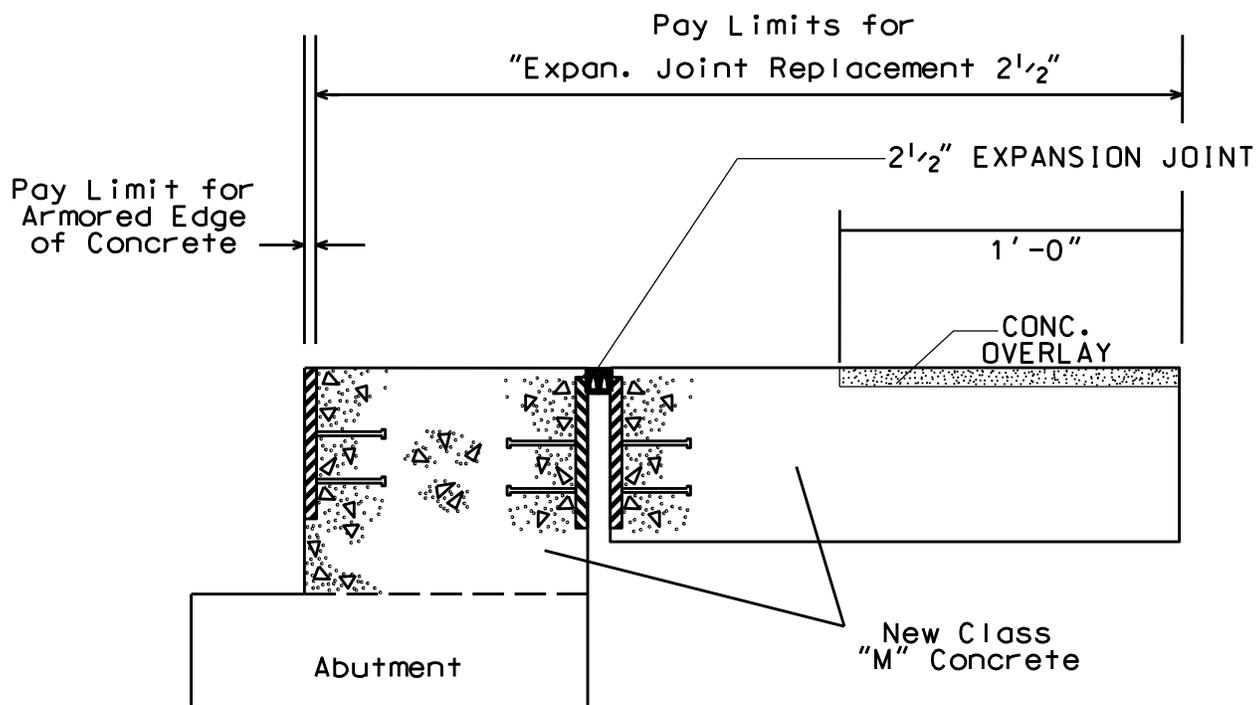
EXPANSION DAM DETAIL

Abutments #1 and #2



Clean & Leave
Steel Reinf.
in place.

EXISTING SECTION

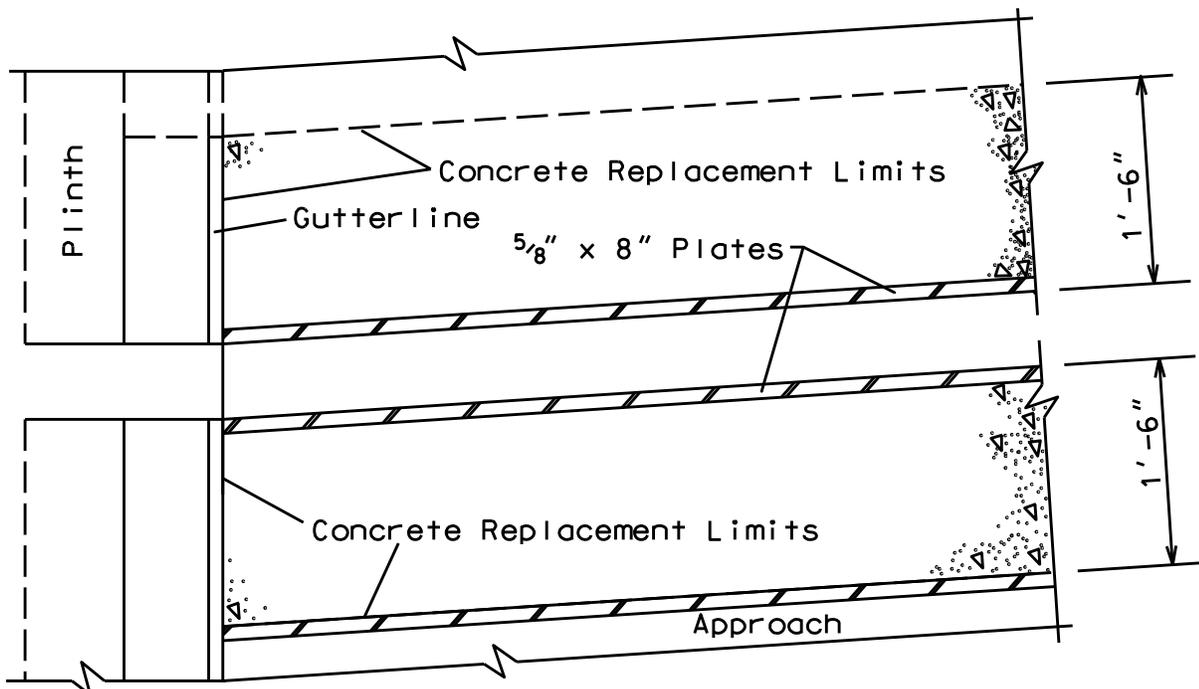


PROPOSED SECTION

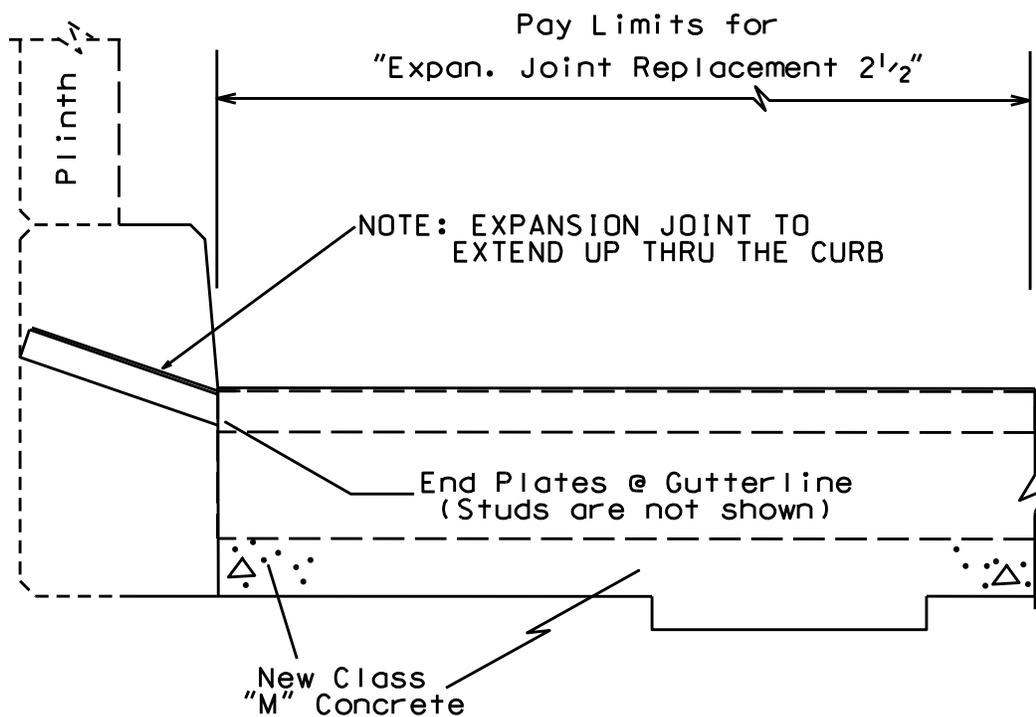
047B00044N

CURB SECTION

END BENTS



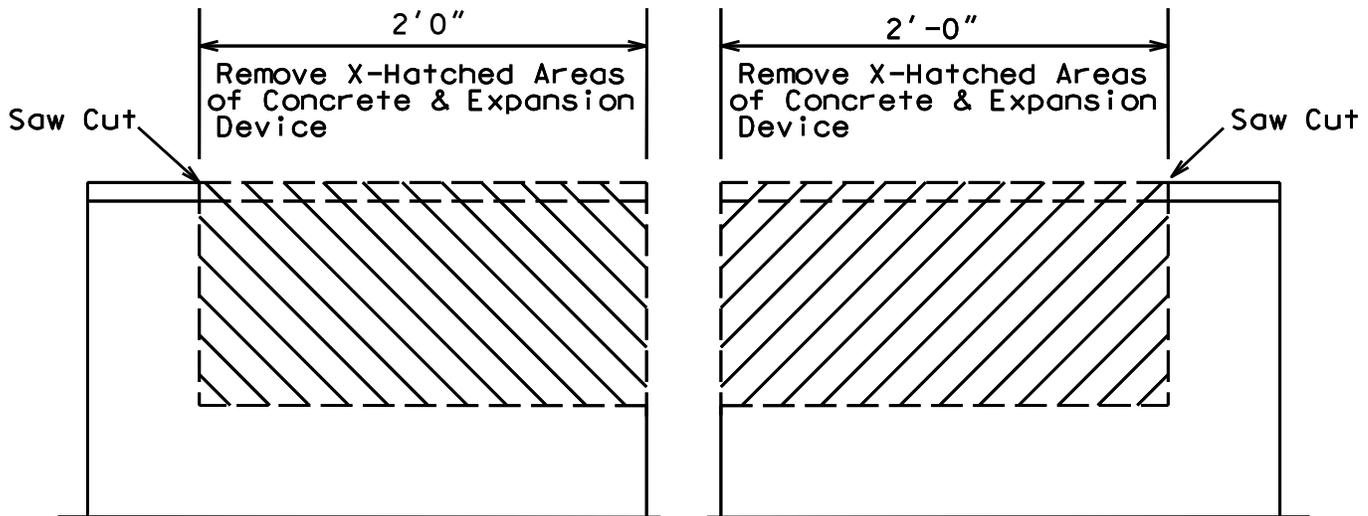
PLAN VIEW @ CURB



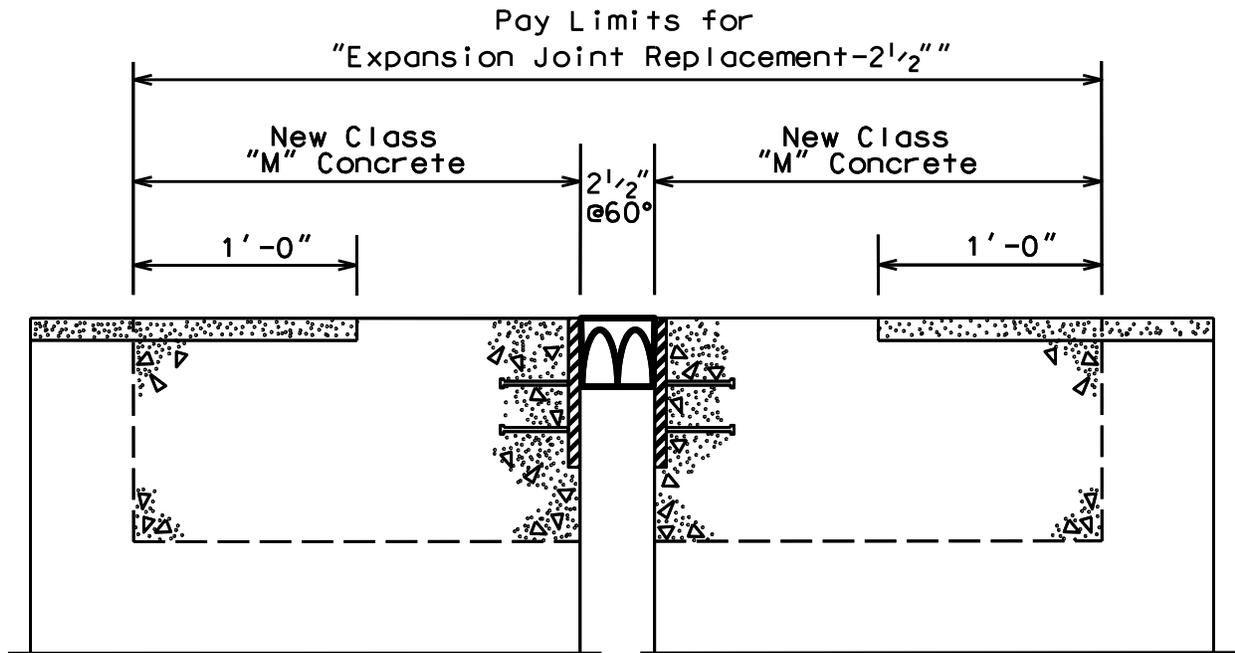
PROPOSED SECTION @ CURB

EXPANSION DAM DETAIL

"Expansion Joint Replacement-2'½"

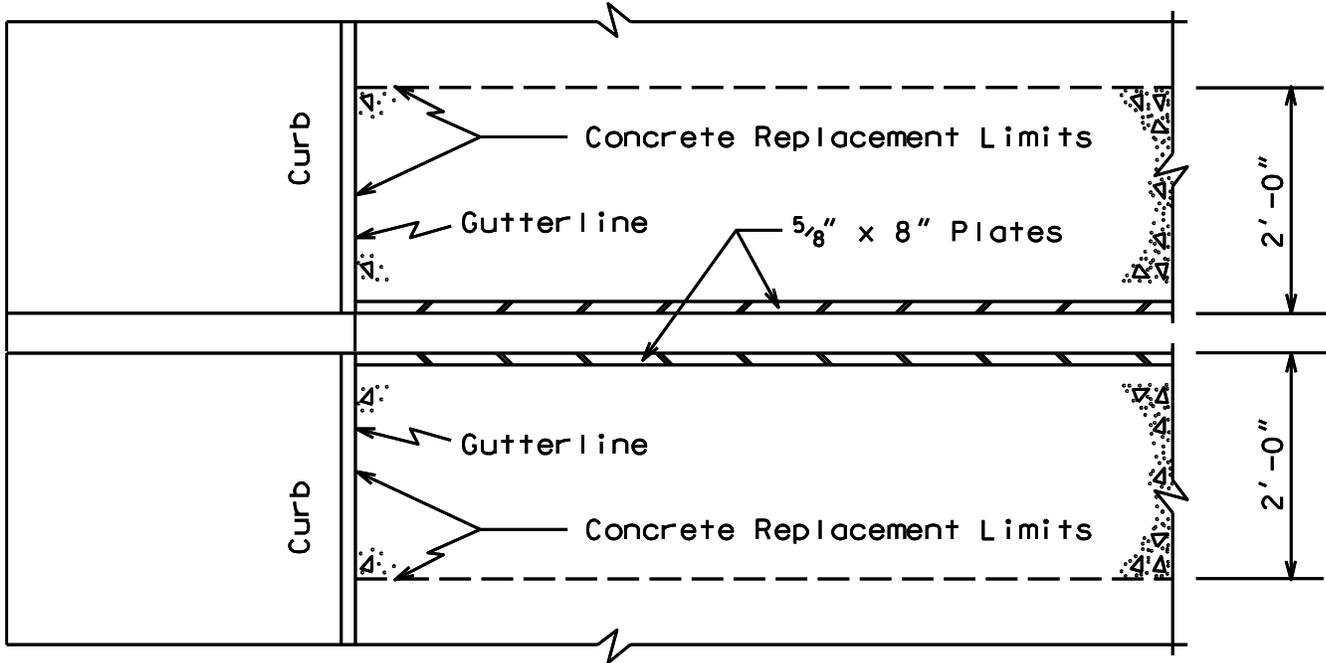


EXISTING SECTION

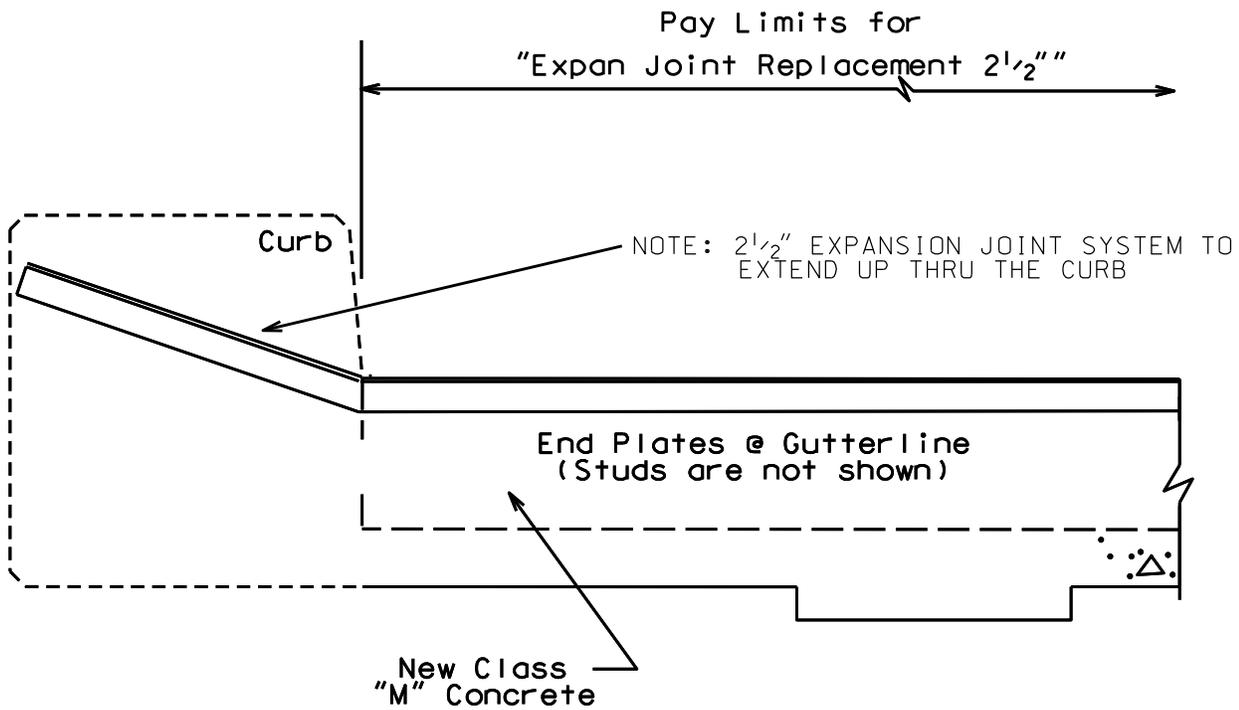


PROPOSED SECTION

CURB SECTION



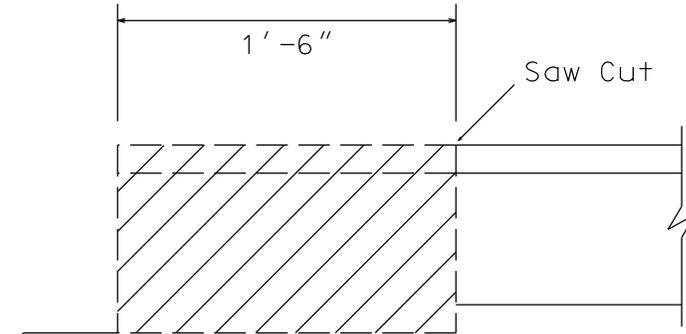
PLAN VIEW @ CURB



PROPOSED SECTION @ CURB

ARMORED EDGE DETAIL

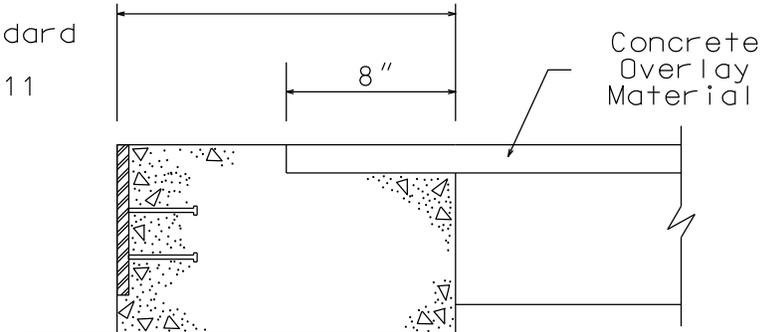
Remove X-Hatched Areas of
Concrete & Expansion Device



EXISTING SECTION

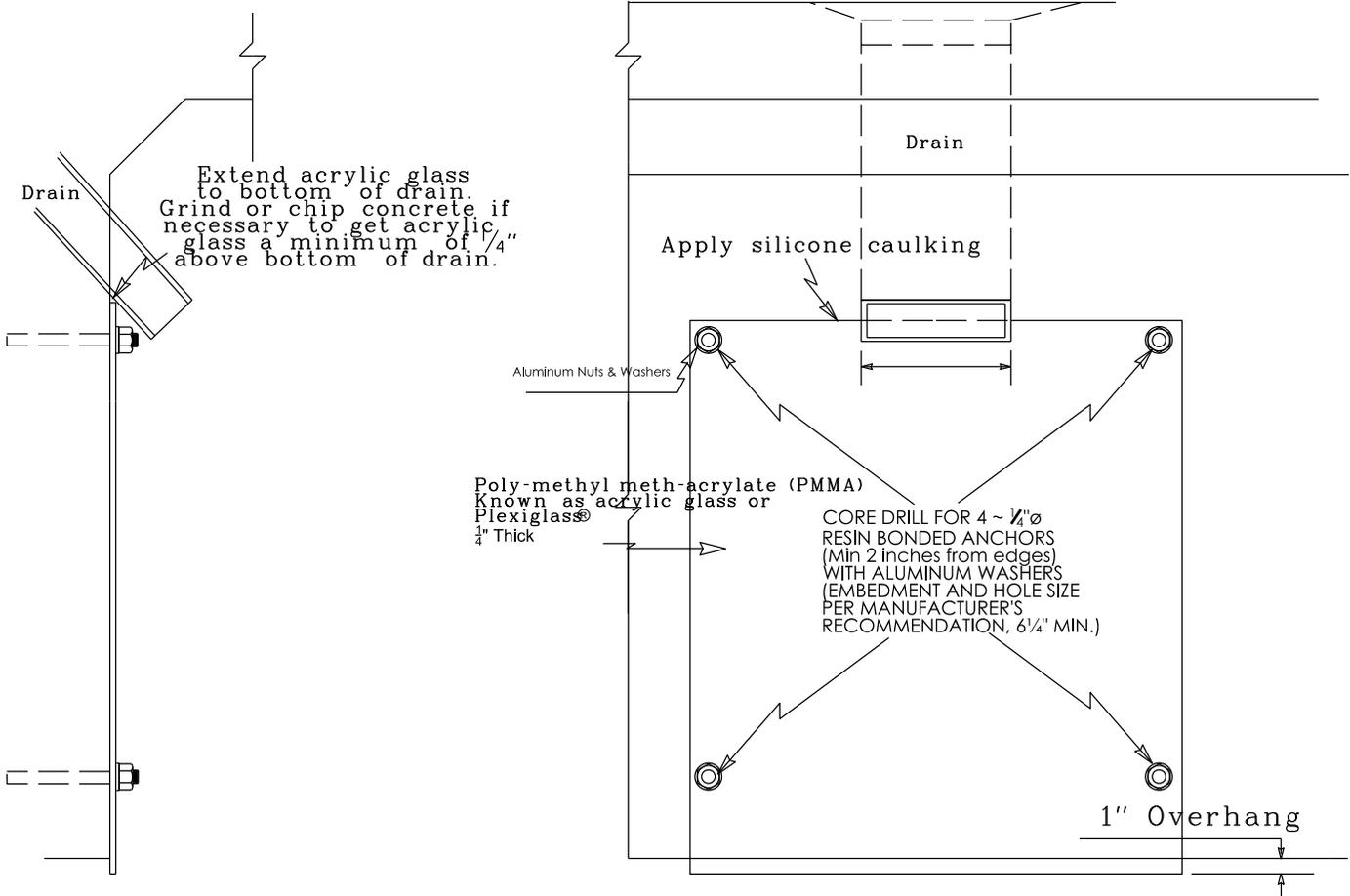
Pay Limits for "Armored
Edge Replacement"

See Standard
Drawing
BJE-001-11



PROPOSED SECTION

ACRYLIC GLASS DETAIL



SECTION
NOT TO SCALE

PLAN
NOT TO SCALE

- 014B00047N - 6 drains, 10" x 30" pieces = 13 sqft
- 062B00024N - 18 drains, 15" x 30" pieces = 57 sqft
- 062B00024N - 16 drains, 15" x 30" pieces = 50 sqft

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

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.

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.

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TIP CREDIT

Employers of “tipped employees” must pay a cash wage of at least \$2.13 per hour if they claim a tip credit against their minimum wage obligation. If an employee's tips combined with the employer's cash wage of at least \$2.13 per hour do not equal the minimum hourly wage, the employer must make up the difference. Certain other conditions must also be met.

ENFORCEMENT

The Department of Labor may recover back wages either administratively or through court action, for the employees that have been underpaid in violation of the law. Violations may result in civil or criminal action.

Employers may be assessed civil money penalties of up to \$1,100 for each willful or repeated violation of the minimum wage or overtime pay provisions of the law and up to \$11,000 for each employee who is the subject of a violation of the Act's child labor provisions. In addition, a civil money penalty of up to \$50,000 may be assessed for each child labor violation that causes the death or serious injury of any minor employee, and such assessments may be doubled, up to \$100,000, when the violations are determined to be willful or repeated. The law also prohibits discriminating against or discharging workers who file a complaint or participate in any proceeding under the Act.

ADDITIONAL INFORMATION

- Certain occupations and establishments are exempt from the minimum wage and/or overtime pay provisions.
- Special provisions apply to workers in American Samoa and the Commonwealth of the Northern Mariana Islands.
- Some state laws provide greater employee protections; employers must comply with both.
- The law requires employers to display this poster where employees can readily see it.
- Employees under 20 years of age may be paid \$4.25 per hour during their first 90 consecutive calendar days of employment with an employer.
- Certain full-time students, student learners, apprentices, and workers with disabilities may be paid less than the minimum wage under special certificates issued by the Department of Labor.

For additional information:



1-866-4-USWAGE

(1-866-487-9243)

TTY: 1-877-889-5627



WWW.WAGEHOUR.DOL.GOV

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

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

PROPOSAL BID ITEMS

182601

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Report Date 12/27/17

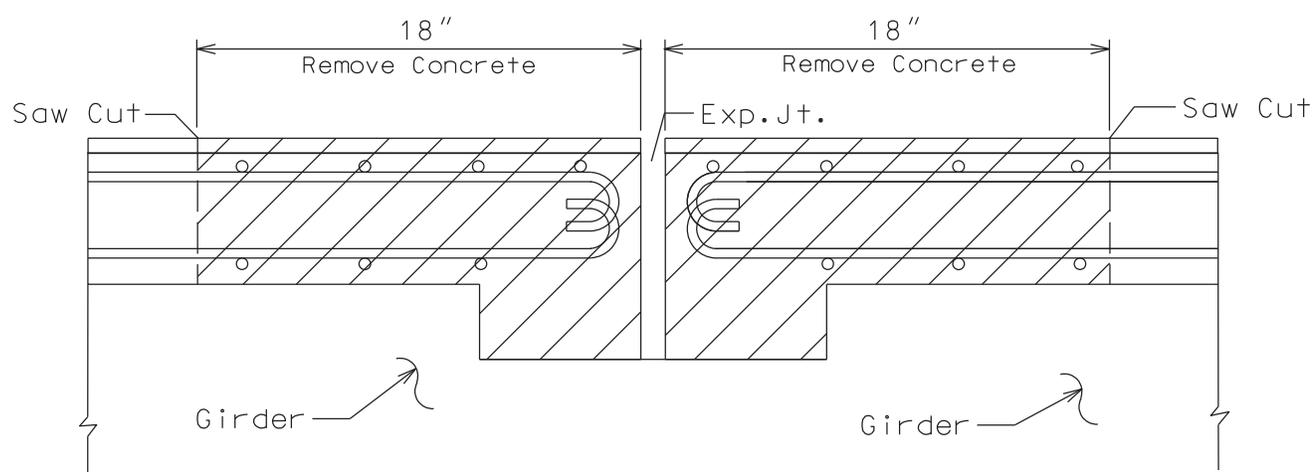
Section: 0001 - BRIDGE

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 014B00047N	1.00	LS		\$	
0030	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 047B00044N	1.00	LS		\$	
0040	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 062B00024N	1.00	LS		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC APPLIES TO 062B00025N	1.00	LS		\$	
0060	02653		LANE CLOSURE	8.00	EACH		\$	
0070	03296		EXPAN JOINT REPLACE 2 1/2 IN	72.00	LF		\$	
0080	03299		ARMORED EDGE FOR CONCRETE	221.30	LF		\$	
0090	03300		ELIMINATE TRANSVERSE JOINT	340.20	LF		\$	
0100	03304		BRIDGE OVERLAY APPROACH PAVEMENT	1,635.68	SQYD		\$	
0110	04933		TEMP SIGNAL 2 PHASE	3.00	EACH		\$	
0120	04934		TEMP SIGNAL MULTI PHASE	1.00	EACH		\$	
0130	06514		PAVE STRIPING-PERM PAINT-4 IN	2,066.00	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	4,241.80	LB		\$	
0180	08504		EPOXY SAND SLURRY	652.00	SQYD		\$	
0190	08510		REM EPOXY BIT FOREIGN OVERLAY	937.00	SQYD		\$	
0200	08526		CONC CLASS M FULL DEPTH PATCH	45.00	CUYD		\$	
0210	08534		CONCRETE OVERLAY-LATEX	84.50	CUYD		\$	
0220	08549		BLAST CLEANING	2,624.00	SQYD		\$	
0230	08551		MACHINE PREP OF SLAB	1,090.00	SQYD		\$	
0240	23879EC		ACRYLIC GLASS APPLIES TO BRIDGE 014B00047N	13.00	SQFT		\$	
0250	23879EC		ACRYLIC GLASS APPLIES TO BRIDGE 062B00024N	57.00	SQFT		\$	
0260	23879EC		ACRYLIC GLASS APPLIES TO BRIDGE 062B00025N	50.00	SQFT		\$	
0270	24094EC		PARTIAL DEPTH PATCHING	70.50	CUYD		\$	

Section: 0002 - DEMOBILIZATION

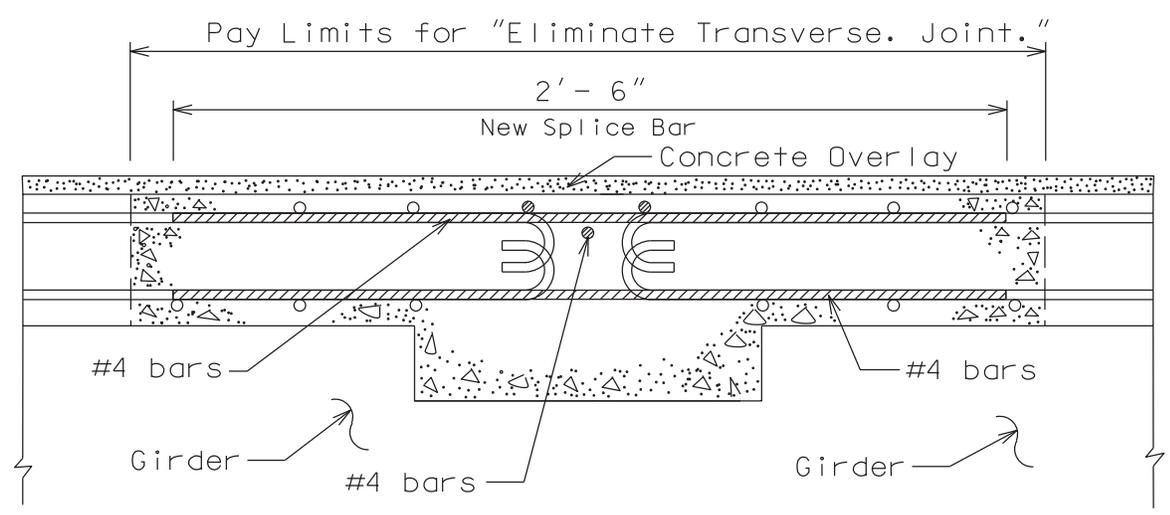
LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0280	02569		DEMOBILIZATION	1.00	LS		\$	

ELIMINATE TRANSVERSE JOINT DETAIL



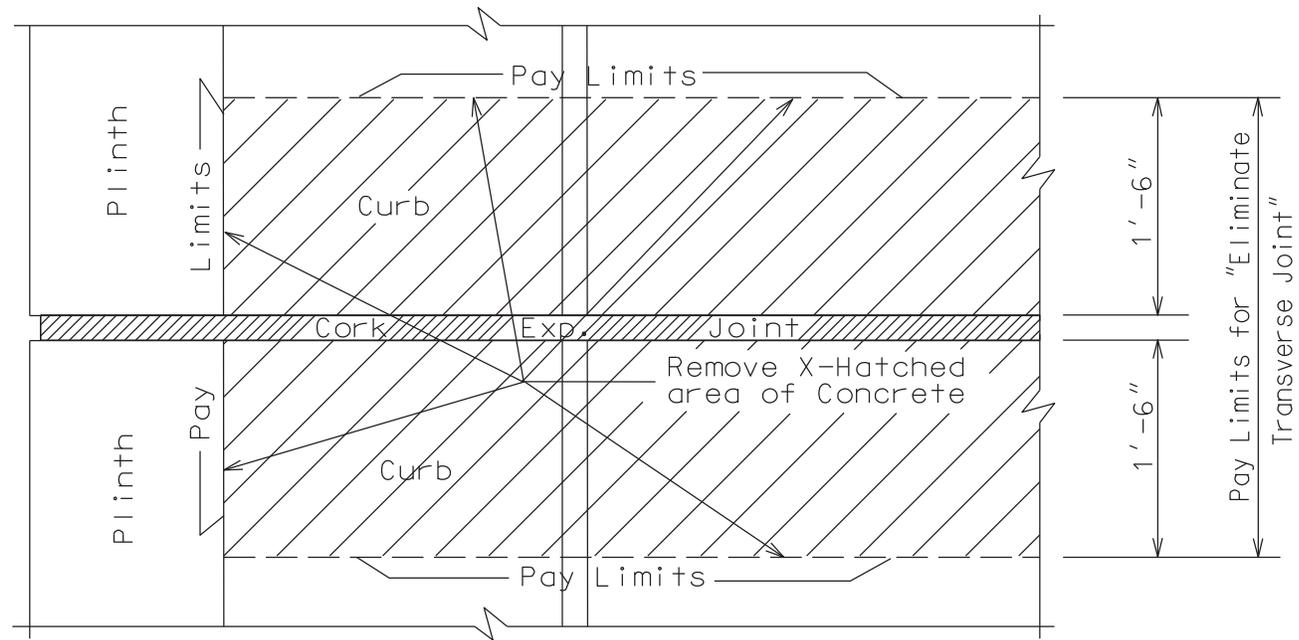
NOTE: Do not disturb existing Steel Reinforcement

EXISTING SECTION @ Transverse Joint

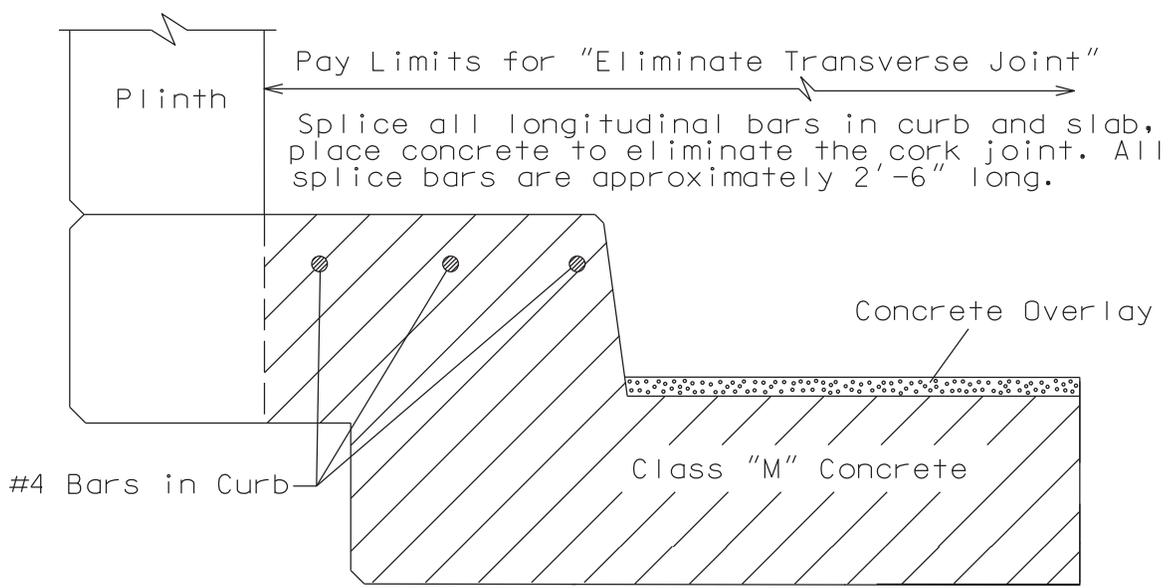


PROPOSED SECTION @ Transverse Joint

ELIMINATE TRANSVERSE JOINT DETAIL



EXISTING PLAN VIEW @ CURB



PROPOSED SECTION @ CURB