



CALL NO. 308

CONTRACT ID. 122981

HENDERSON COUNTY

FED/STATE PROJECT NUMBER FE02 051 0041 B00007L

DESCRIPTION US 41 (MP 19.650)

WORK TYPE BRIDGE BEARING REPAIR

PRIMARY COMPLETION DATE 9/30/2012

LETTING DATE: June 15, 2012

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME June 15, 2012. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

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

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PART I

SCOPE OF WORK

CONTRACT ID - 122981

ADMINISTRATIVE DISTRICT - 02

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - HENDERSON

PCN - MB05100411201

FE02 051 0041 B00007L

US 41 (MP 19.650) BRIDGE OVER OHIO RIVER. BRIDGE BEARING REPAIR.

GEOGRAPHIC COORDINATES LATITUDE 37°54'16" LONGITUDE 87°33'05"

COMPLETION DATE(S):

COMPLETION DATE - September 30, 2012

APPLIES TO ENTIRE CONTRACT

2 CALENDAR DAYS

APPLIES TO B00007L

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/contract)

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 is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provision of the act.

SPECIAL NOTE FOR PIPE INSPECTION

Contrary to Section 701.03.08 of the 2012 Standard Specifications for Road and Bridge Construction and Kentucky Method 64-114, certification by the Kentucky Transportation Center for prequalified Contractors to perform laser/video inspection is not required on this contract. It will continue to be a requirement for the Contractor performing any laser/video pipe inspection to be prequalified for this specialized item with the Kentucky Transportation Cabinet-Division of Construction Procurement.

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.

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. (See attachment)

10/18/2011

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 BEARING REPLACEMENT

I. DESCRIPTION

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2008 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) Jack and temporarily support the girder(s).
- (3) Remove the existing expansion rockers, masonry plates, and anchor bolts as specified in this note and shown on the attached detail drawings.
- (4) Fill voids left by anchor bolt removal with non-shrink grout.
- (5) Install new bearings and bearing plates as specified in this note and shown on the attached detail drawings.
- (6) Maintain and control traffic.
- (7) Any other work specified as part of this contract.

II. MATERIALS

- A. Structural Steel.** Use new, commercial grade AASHTO M270 Grade 50 (ASTM A709 Grade 50) steel suitable for welding. See Section 812.
- B. Weld Material.** See Section 813.10 All welds shall be E70XX.
- C. Elastomeric Bearing Pads.** Use bearing pad "2E" as shown on Standard Drawing BBP-001 CE. See Section 822. Use low temperature Grade 3 with a durometer hardness of 50 and that conforms to the load test requirements corresponding to Design Method A.
- D. Paint.** Match the color of the existing paint. All paint supplied must be contained in the current List of Approved Materials. See Section 821.

III. CONSTRUCTION

- A. Existing Dimensions.** The Contractor shall field verify all dimensions prior to ordering any materials or performing any work.
- B. Jacking Plan.** The Contractor must submit a Jacking Plan, stamped by a professional engineer licensed in the State of Kentucky, for review by the Engineer, prior to starting work. The girder should only be lifted enough to allow for removal and installation of the bearing assemblies, no more than 1/4". At no time shall differential movement between beams exceed 1/4" For each bearing the total estimated jacking loads to be supported are:

Dead Load 20 Tons

Total 20 Tons

The contractor's jacking system shall be designed to support a minimum of 200% of these loads. See the Special Note for Jacking and Supporting Bridge Span for additional information.

- C. Remove Existing Materials.** Remove the existing bearings and anchor bolts as shown on the attached detailed drawings. Fill voids left by anchor bolt removal with non-shrink grout to a smooth level bearing surface. Clean the existing seats of debris. Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Bearing Replacement".
- D. Field Prepare Existing Surfaces.** Clean surfaces of steel to be welded until free of all corrosion, debris and deleterious substances. Field prepare bottom of bearing plates to insure full bearing contact between existing plates and proposed bearing plates.
- E. Install Bearing Assembly.** Protect the elastomeric pad and vulcanized bonds on the cover plate from heat. Install bearings when the 6-hour average ambient temperature is projected to be 75°F (±10°F).
- F. Welding Specifications.** All welding and welding materials, shall conform to "Joint Specification ANSI/AASHTO/AWS D1.5M-D1.5-2010 Bridge Welding Code" and modification and additions as stated on the plans. Welding procedures shall be submitted to the Engineer and approved prior to the start of fabrication and retrofit. The cost of welding, welding materials, straightening, altering, and burning new or existing steel shall be included in the unit price bid for the appropriate items.
- G. Mill Test Reports.** Notarized test reports shall be furnished in triplicate to the Department showing that all the materials used for these repairs conform to the requirements of the Specifications.
- H. Damage to the Structure.** The Contractor shall bear full responsibility and expense for any and all damage to the structure, should such damage result from the Contractor's actions.
- I. Painting.** Following the installation of the elastomeric bearing pads and pedestals, clean and paint all new exposed structural steel in accordance with Section 607.03.23 "Cleaning and Painting Structural Steel Bridges". Apply field coatings to new steel and steel to be overcoated in accordance with Section 614. Shop and field painting of all new and existing structural steel will be considered incidental to "Bearing Replacement".
- J. 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.
- K. Prohibited Field Welding.** No welding of any nature shall be performed on the bridge except as shown on the attached drawings without the written consent of the Engineer, and then only in the manner and at the locations designated in the authorization.

IV. MEASUREMENT

- A. Jack and Support Bridge Span.** See the Special Note for Jacking and Supporting Bridge Span
- B. Bearing Replacement .** Measurement will be for each bearing replacement.

V. PAYMENT

- A. Jack and Support Bridge Span. See the Special Note for Jacking and Supporting Bridge Span .**
- B. Bearing Replacement.** Payment at the contract unit price is full compensation for removal and disposing of specified materials, furnishing and placing non-shrink grout, furnishing and installing steel plates and anchor bolts, welding, furnishing and installing elastomeric bearing pads and all other materials, labor, equipment, tools, and incidentals necessary to complete the work as specified by this note.

The Department will consider payment as full compensation for all work required by this note and the attached detail drawings.

SPECIAL NOTE FOR JACKING AND SUPPORTING BRIDGE SPAN

- 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 drawing(s). Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Submit for approval jacking plans, procedures, drawings, and details prepared by a Professional Engineer licensed to practice in the Commonwealth of Kentucky; (3) Jack the portion as shown on the detail drawings and provide temporary supports for the duration of the remaining work; (4) Remove jacking and temporary supports when no longer required; (5) Maintain and control traffic; and (6) Any other work specified as part of this contract.

II. CONSTRUCTION.

- A. Working Drawings.** Prior to preparation of jacking plans and working drawings, the Contractor shall verify in the field, conditions and dimensions as necessary to perform the work. The Contractor shall submit to the Engineer for approval, jacking plans, working drawings and design calculations for the jacking and temporary supports. Such plans, drawings, and design calculations shall be prepared, sealed, and signed by an engineer who is licensed to practice in the Commonwealth of Kentucky. The content and number of sets of drawings and design calculations and times for review for temporary supports shall be the same as shown in the Standard Specifications for falsework working drawings. The jacking plan is to provide for a jacking scheme that will limit the load in the jacks to specified loads plus or minus 5%. Jacks are to be sized to provide a minimum factor of safety of 2 (two) when compared to the required working or jacking load. In addition to a minimum horizontal force of 2% of the dead load reaction of the structure, the Contractor's jacking plan is to include provisions for resisting horizontal loads that may occur as a result of the jacking operations and clearly show methods to resist those loads. The jacking plan is to take into consideration the longitudinal movement of the centerline of bearings as the superstructure is raised. The jacking locations and loads, if shown on the detail drawings, may be revised by the contractor. If not shown on the detail drawings, the contractor shall select jacking locations and/or loads consistent with his proposed jacking plans and procedures. Jacking loads and jack locations required by the Contractor's jacking method shall be shown on the jacking and supporting plan submitted for approval. The contractor is permitted to temporarily remove existing bracing as necessary and to replace said bracing with contractor provided jacking frames, to install contractor provided jacking stiffeners, or otherwise modify the structure, as necessary to implement his jacking plan, with the written approval of the Engineer. If loads are transferred to or if the spans are supported at locations other than those already having appropriate stiffeners or as shown in the detail drawings, the contractor shall provide steel plate or angle jacking stiffeners designed by a

Professional Engineer which meet current AASHTO requirements for bearing stiffeners and which may remain in place at the conclusion of the construction. Jacking stiffeners may be welded or bolted to the beam webs, but must be milled to bear on the top flange at the piers and may be close fit and welded to the flange at other locations. Jacking schemes which require modifications to the structure shall be considered permanent and shall remain in the structure unless otherwise shown in the contract documents or directed by the Engineer. All steel which will remain in the finished structure shall be painted in accordance with the Specifications and notes excepting that paint coats may be shop applied.

- B. Jacking and Temporary Support.** The jacking operation is to be performed in such a manner that the vertical position of the members supported by the bearings will remain in approximately the same relative position throughout the jacking operation. A maximum of $\frac{1}{4}$ " relative difference in position is allowed in a lift between any of the jacks and between jacked and unjacked girders. Traffic shall be removed on the portion of the structure to be jacked at all times unless otherwise approved by the Engineer. A redundant system of supports shall be provided during the entire jacking operation for backup should any of the jacks fail. The redundant system shall include stacks of steel plates or other steel sections added as necessary to maintain the redundant supports at each jack location within $\frac{1}{4}$ " of the jacking sill or corbels.

Each jack shall be equipped with either a pressure gage or a load cell for determining the jacking force. Pressure gages shall have an accurately reading dial at least 6" in diameter. Each jack shall be calibrated by a private laboratory within 6 months prior to use. Each jack and its gage shall be calibrated as a unit with the cylinder extension in the approximate position that it will be in at final jacking force and shall be accompanied by a certified calibration chart. Load cells shall be calibrated and provided with an indicator by which the jacking force is determined.

A force equal to the initial jacking load or the dead load shown on the plans shall be applied to the structure by the temporary support system and the force held until all initial compression and settlement of the system is complete. The structure shall then be lifted by the jacks to the final position and the force held until the temporary support system is installed and the system is stable, before remaining work at the location being supported is begun.

Jacking operations shall be carefully controlled and monitored to ensure that the jacking loads are applied in a manner to prevent distortion and excessive stresses that would damage the structure. The superstructure shall be jacked as necessary to maintain the total vertical displacements at control points to less than $\frac{1}{4}$ " from the elevations recorded prior to jacking plus the desired jacking height as shown on the plans or as modified by the Engineer. For bearing replacements and when no other desired jacking height is shown in the plans, detail drawings, or notes, the superstructure shall be jacked only as necessary to facilitate removal and replacement of the bearings and in no case more than $\frac{1}{4}$ " if traffic is to remain on the structure during the work.

Should unanticipated displacements, cracking or other damage occur, the construction shall be discontinued until corrective measures satisfactory to the Engineer are performed. Damage to the structure as a result of the Contractor's operations shall be repaired by the Contractor at no expense to the Department.

Following completion of the reconstruction, the monitored control points shall not deviate from the vertical position by more than $\frac{1}{4}$ " from the initial survey elevations or the elevations as modified by the Engineer or detail drawing(s).

IV MEASUREMENT.

A. Jacking and Supporting Bridge Span. The Department will not measure the quantity. Any and all jacking operations required are to be included in the lump sum bid for "Jack and Support Bridge Span".

V. PAYMENT.

A. Jacking and Supporting Bridge Span. Payment at the contract lump sum price is for all labor, materials, manufactured assemblies, furnishing and operating jacks, plates, jacking stiffeners, jacking beams, painting, etc. and all incidental items necessary to complete the work for this bridge in accordance with this Note, the Standard Specifications, and as shown on the attached detail drawing(s) or as directed by the Engineer.

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 September 30, 2012. An allotted amount of time is assigned to each structure in this contract as shown below.

<u>STRUCTURE</u>	<u>ALLOTTED TIME PER STRUCTURE</u>	<u>COMPLETION DATE</u>
051B00007L	57 hours	September 30, 2012

Contrary to Section 108.07.02, the Engineer will begin charging time for a structure when 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 September 30, 2012 date is exceeded. In addition to the liquidated damages specified in Section 108.09, liquidated damages in the amount of \$1,000 per 15 minutes will be assessed when the bridge remains closed to traffic during prohibited hours as specified in the Traffic Control Plan.

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. PROJECT PHASING & CONSTRUCTION PROCEDURES

During jacking, removal and replacement of the bearings, the right hand lane is to be closed to all vehicular live load traffic. The lane closure shall be performed from 9:00am to 3:30pm, Monday through Friday. All costs for maintaining traffic is incidental to “Maintain and Control Traffic”.

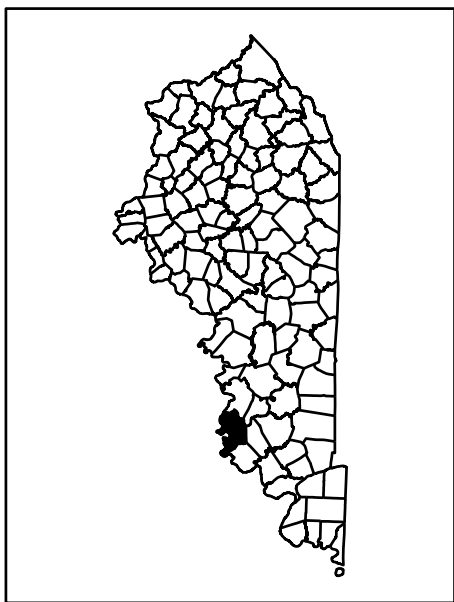
Signs for the temporary lane closures shall be included in the unit bid item for “Signs”.

The Contractor shall maintain one lane of traffic on the highway at all times in accordance with Standard Drawing No. TTC-115 and the attached detail drawings. The clear lane width required is 15 feet.

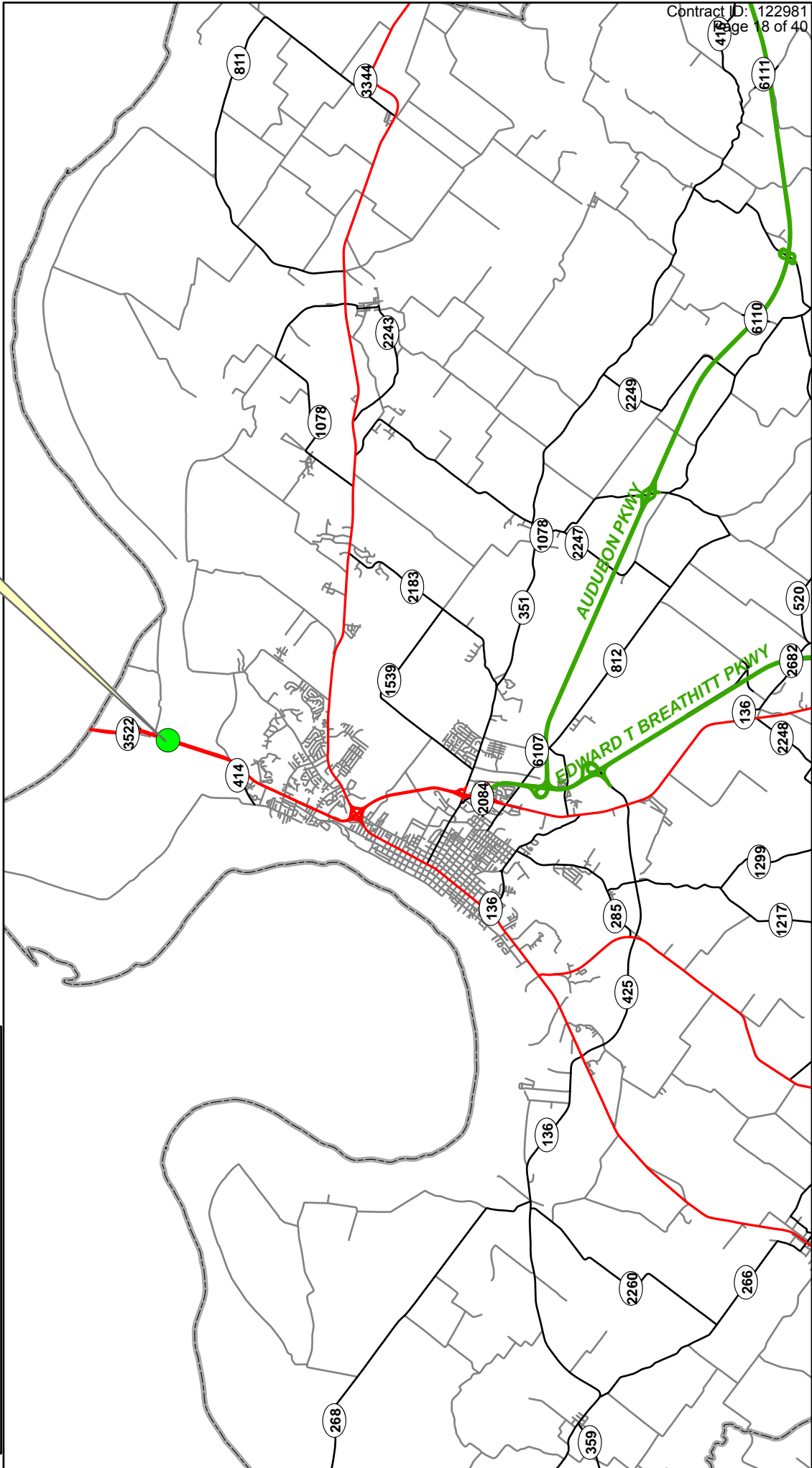
V. VARIABLE MESSAGE SIGNS

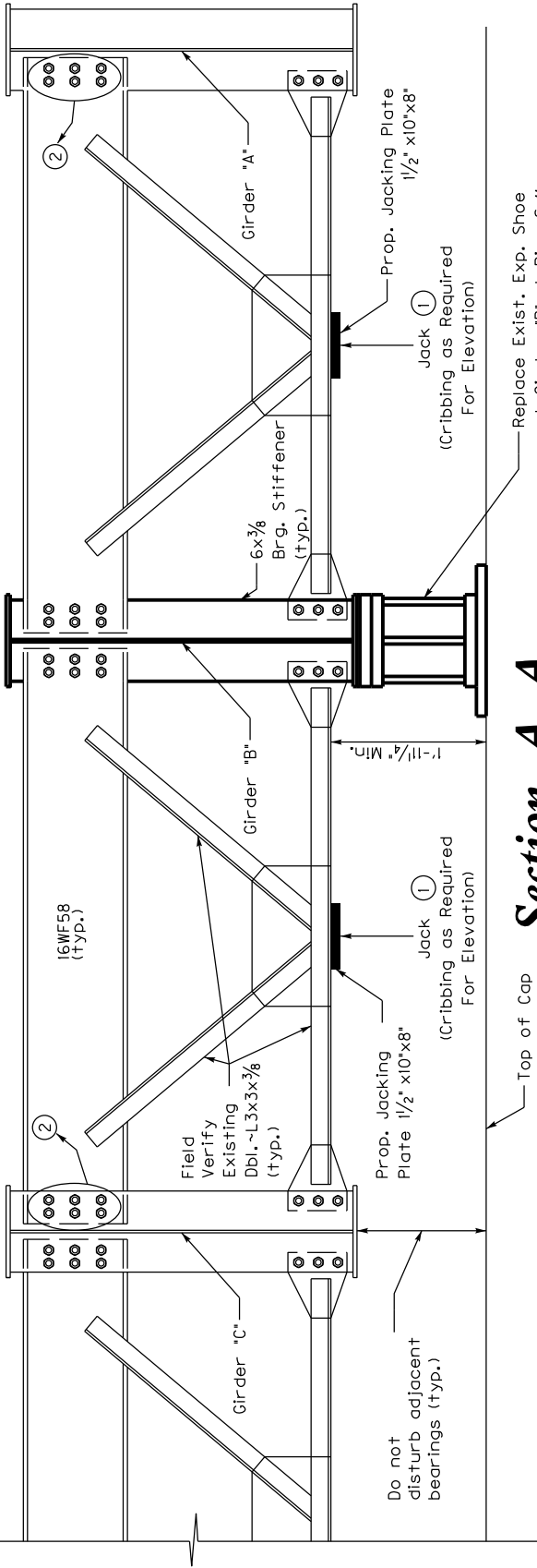
If deemed necessary by the Engineer, variable message signs will be installed, operated, and maintained by the Department.

HENDERSON COUNTY

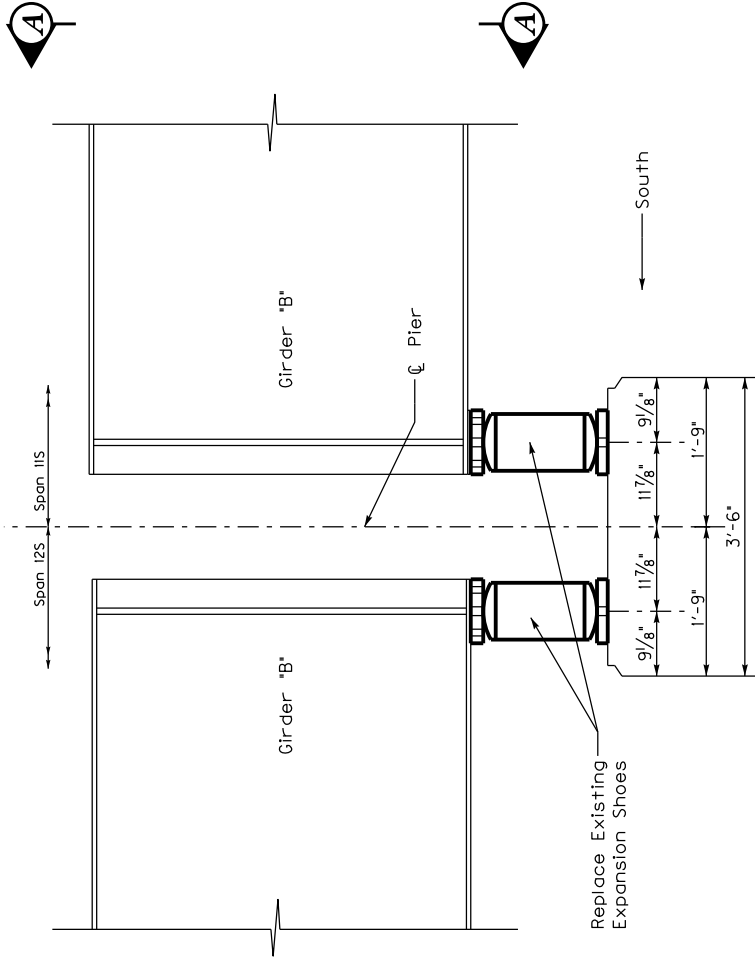


BRIDGE 051B000007L
US 41 (MP 19.3)
BRIDGE OVER OHIO RIVER
LatDD=37.9045, LonDD=-87.5513





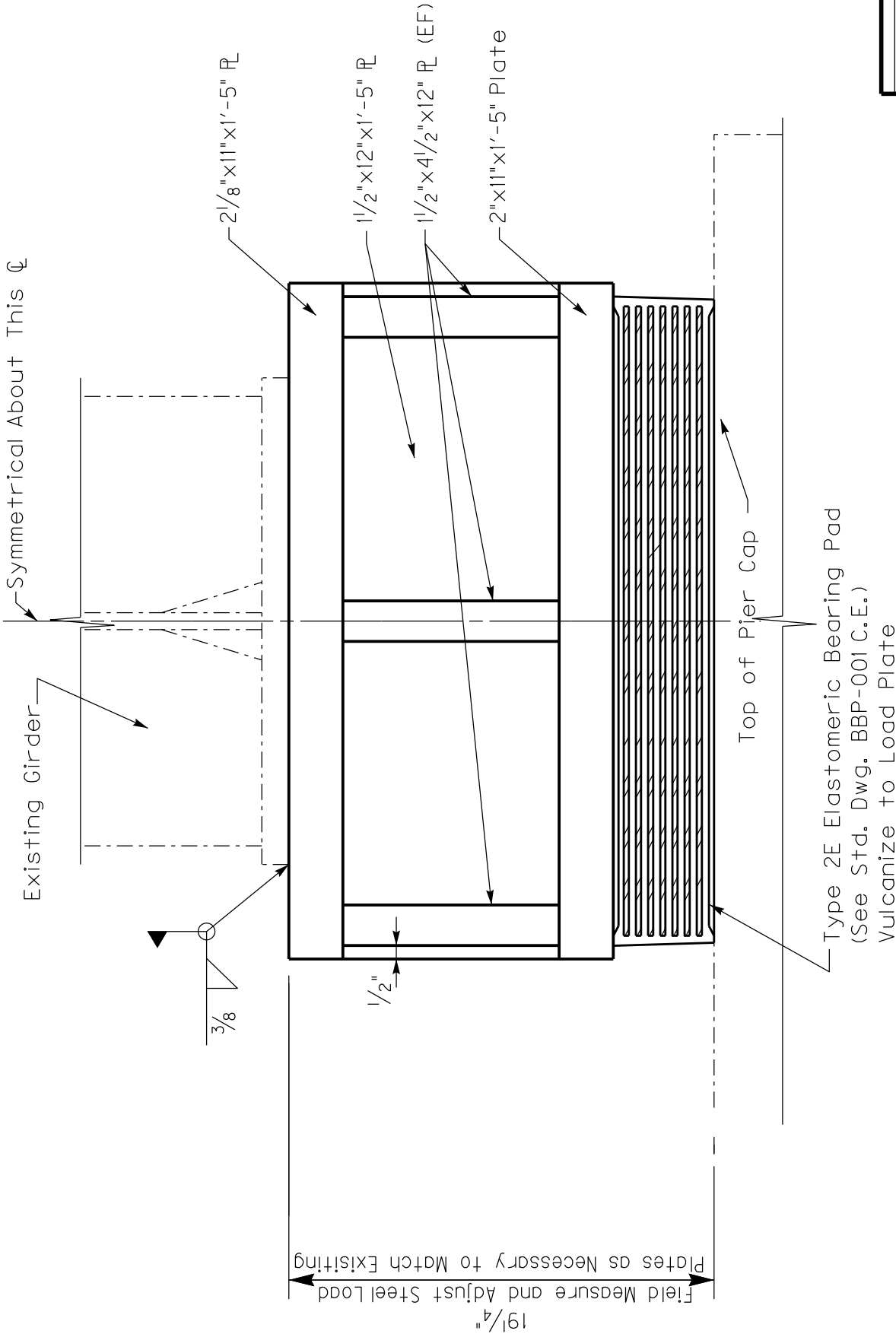
Section A-A



Pier S-11

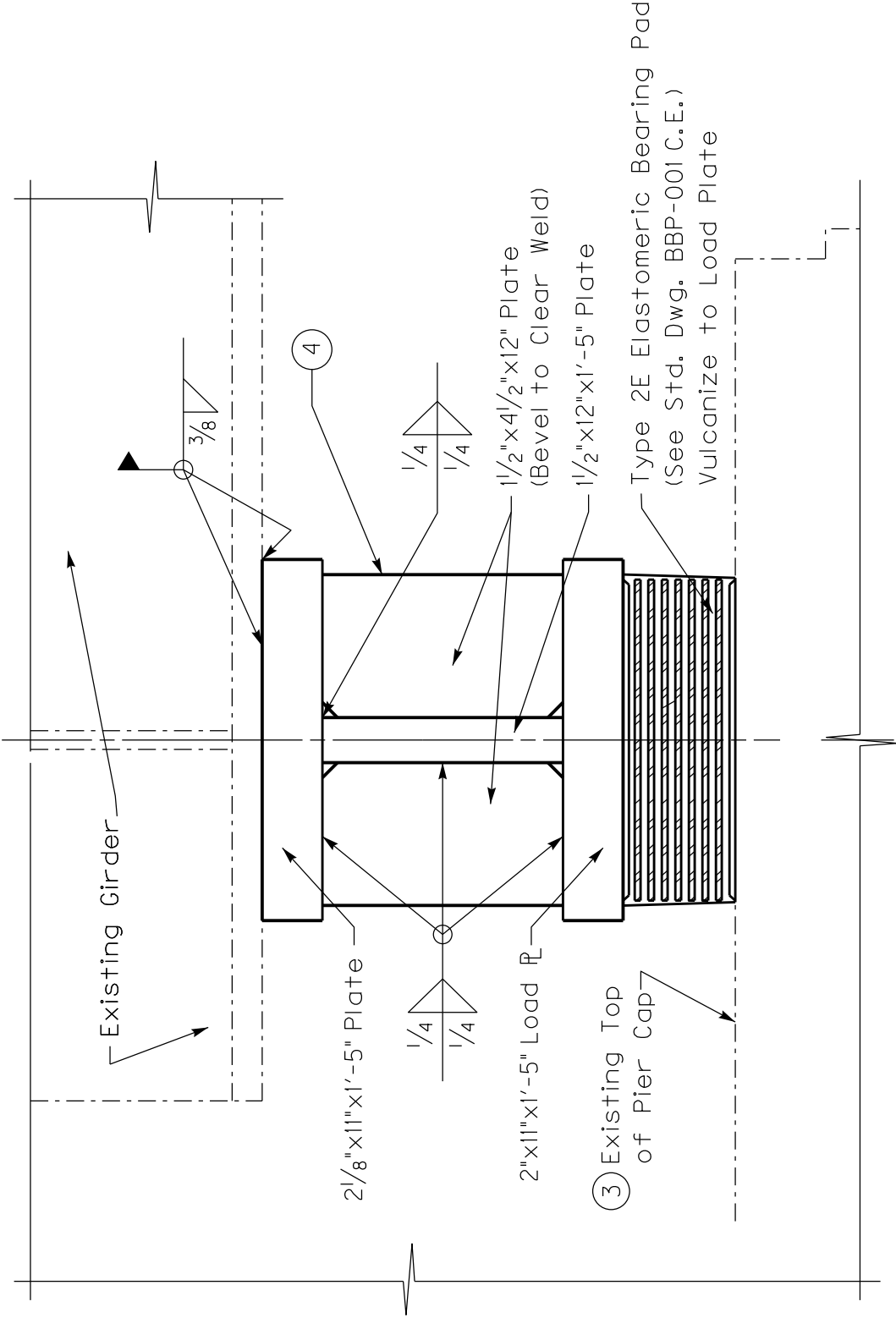
051B00007L	REVISION	DATE
DESIGNED BY: J. Rogers	CHECKED BY: J. Pyles	
DETAILED BY: J. Rogers		
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS		
COUNTY		
HENDERSON		
PROJECT NO. US41 SB	CONTRACT NO. OHIO RIVER	
PREPARED BY	Division of Maintenance	
11/23/20	Bridge Preservation Branch	

See Sheet S3 for notes ① & ②



FRONT ELEVATION

051B00007L	REVISION	DATE
DESIGNED BY: J. Rogers	CHECKED BY: J. Pyles	
DETAILED BY: J. Rogers		
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS		
COUNTY: HENDERSON		
DRAWN BY: USA1 SB	PROJECT: OHIO RIVER	CONTRACT: 11-1000
PREPARED BY: Division of Maintenance		
Bridge Preservation Branch		



SIDE ELEVATION

BEARING REPLACEMENT GENERAL NOTES

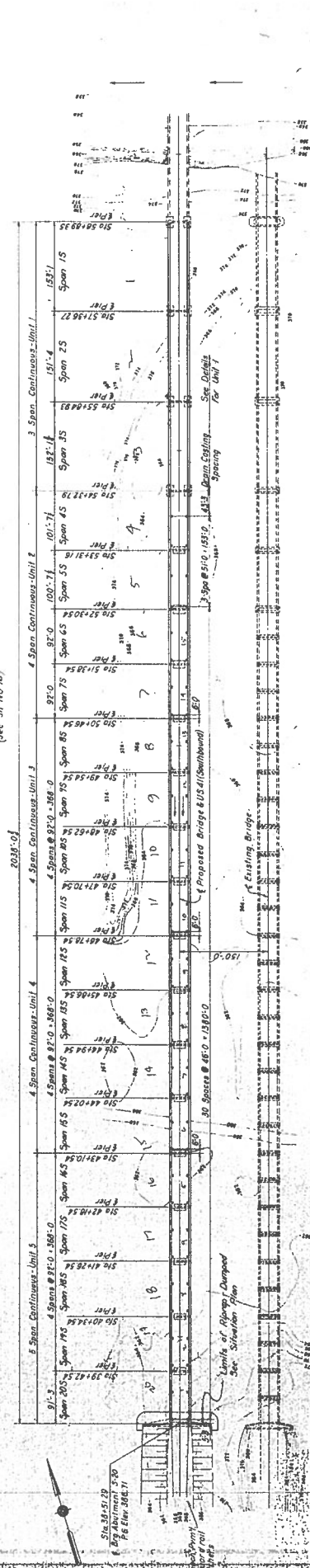
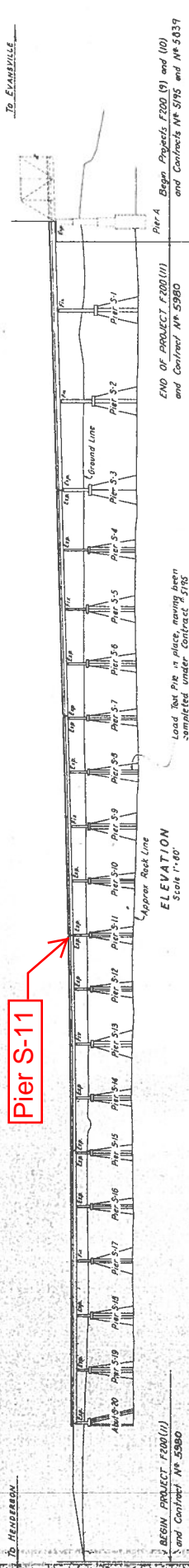
- 1.) Jack required in each bay adjacent to Girder "B"
Jacking Load = 20 tons DL each jack
- 2.) Loosen connection prior to jacking if necessary.
Tighten after new bearing is installed & jack removed.
- 3.) Remove existing bearing and cut existing anchor bolts
flush and clean bridge seat.
- 4.) Hot dip galvanize metal assembly after fabrication.

051B00007L	REVISION	CHECKED BY	DATE
		J. Pyles	
DESIGNED BY: J. Rogers		J. Pyles	
DETAILED BY: J. Rogers		J. Pyles	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS			
COUNTY			
HENDERSON			
U.S. 41 SB		OHIO RIVER	
PREPARED BY			
Division of Maintenance			
Bridge Preservation Branch			

DATE	NOV 1983
BY	IND 5
CHKD	IND 5
APP'D	IND 5

TO EVANSVILLE

Pier S-11



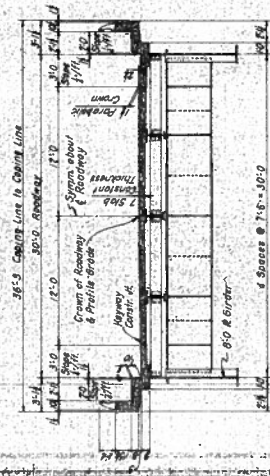
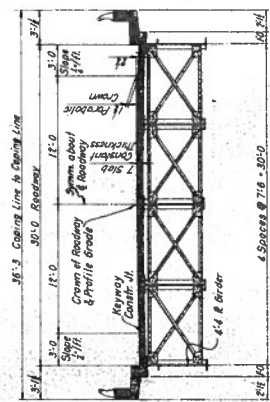
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SP. SYM. NO.	DATE
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100	1-12-60

DESIGN DATA
DESIGN SPECIFICATIONS: Standard Specifications for Highway Bridges, Seventh Edition, adopted by the Indiana State Highway Commission, July 1960, with amendments through November 1960.
LIVE LOAD: H20-S16-44 or E-64,000 lbs. axle spaced 40' center, whichever is more critical, except floor slab designed for 16,000 lb. wheel load, 10'0" to 10'6" ft on full width of roadway for future wearing surface.

GENERAL NOTES
All sheets where designation "State Highway Department of Indiana" appears is to be interpreted as Indiana State Highway Commission.
Depth of footings is to be extended if found necessary. See Article 8403.2(a) of the Specifications.
Piles shall have minimum bearing value shown on detail drawings. Determine pile lengths by Article 7103 of the Specifications.
Obsoles shall be driven to elevation shown on plans or below if necessary to bottom. Steel casing shall be 18" in bottom 4' in top floor slabs, 3" footings, except bottom steel casing shall be 4" and 2" in all other parts, unless noted.
Structure concrete shall be: Class E in all footings and in slabs for Piers S-1 through S-11; Class F in all superstructure and in tops of Piers S-12 through S-15; and Class D in continuous concrete girders. All reinforcement shall be required between construction joints as shown on detail plans.
Waterproof back of abutment and wingwalls in accordance with Specifications.
Bent forms 1/2" under coping; and chamfer exposed edges 1 inch unless noted.
80 standard type 1A roadway drains to be placed as shown.
All railings to be constructed perpendicular to grade.
See special provisions for items included in this Contract.
All built welds in girders, flanges and webs shall be radiographically inspected.
Front of abutment to be cropped as shown on the layout.
Construction in 1960 Edition, with State Pressure and Submittal Specifications.
Elevation Datum: Mean Sea Level, United States Coast and Geodetic Survey, 1935.
Relieving of the 1939 General Readjustment.

PLAN
Scale 1"=40'
Center Internal Pili

BPR APPROVAL	
SP. SYM. NO.	DATE
1	1-12-60
2	1-12-60
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100	1-12-60

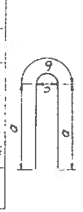


FOR INFORMATION ONLY

SHEET 5 OF 52
STATE HIGHWAY DEPARTMENT OF INDIANA
KENTUCKY DEPARTMENT OF HIGHWAYS
PROJECT F200(II)
BRIDGE OVER OHIO RIVER ON U.S. 41
BETWEEN EVANSVILLE, INDIANA AND HENDERSON, KENTUCKY
SOUTH APPROACH
BRIDGE CONTRACT NO. 5020
BRIDGE FILE 41-4-535

GENERAL PLAN & ELEVATION

MARK	NO.	DATE	BY	REV.
1	1	1/14/14	1/14/14	1



Mark	Size	a	b	c	Length
501e	1/8	2.6	1.5	5.10	
502e	1/8	2.7	1.6	5.11	
503e	1/8	2.8	1.7	5.12	
504e	1/8	2.9	1.8	5.13	
505e	1/8	3.0	1.9	5.14	
506e	1/8	3.1	2.0	5.15	
507e	1/8	3.2	2.1	5.16	
508e	1/8	3.3	2.2	5.17	
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512e	1/8	3.7	2.6	5.21	
513e	1/8	3.8	2.7	5.22	
514e	1/8	3.9	2.8	5.23	
515e	1/8	4.0	2.9	5.24	
516e	1/8	4.1	3.0	5.25	
517e	1/8	4.2	3.1	5.26	
518e	1/8	4.3	3.2	5.27	
519e	1/8	4.4	3.3	5.28	
520e	1/8	4.5	3.4	5.29	
521e	1/8	4.6	3.5	5.30	
522e	1/8	4.7	3.6	5.31	
523e	1/8	4.8	3.7	5.32	
524e	1/8	4.9	3.8	5.33	
525e	1/8	5.0	3.9	5.34	
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527e	1/8	5.2	4.1	5.36	
528e	1/8	5.3	4.2	5.37	
529e	1/8	5.4	4.3	5.38	
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718e	1/8	24.3	23.2	7.27	
719e	1/8	24.4	23.3	7.28	
720e	1/8	24.5	23.4	7.29	
721e	1/8	24.6	23.5	7.30	
722e	1/8	24.7	23.6	7.31	
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724e	1/8	24.9	23.8	7.33	
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738e	1/8	26.3	25.2	7.47	
739e	1/8	26.4	25.3	7.48	
740e	1				

HENDERSON COUNTY
FE02 051 0041 B00007



HENDERSON COUNTY
FE02 051 0041 B00007

HENDERSON COUNTY
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HENDERSON COUNTY
FE02 051 0041 B00007

FOR INFORMATION ONLY

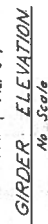


TABLE OF MOMENTS AND REACTIONS

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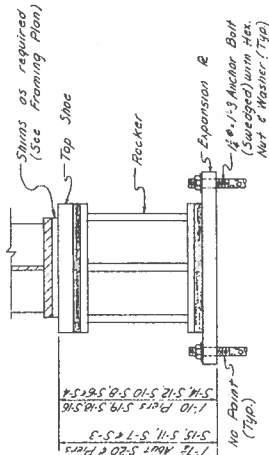
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C. G. N. ... W. L. L.

STATE HIGHWAY DEPARTMENT OF INDIANA
KENTUCKY DEPARTMENT OF HIGHWAYS
PROJECT F200 (1)
BRIDGE OVER OHIO RIVER ON U.S. 41
BETWEEN EVANSVILLE, INDIANA AND HENDERSON, KENTUCKY
SOUTH APPROACH
BRIDGE CONTRACT NO. 5989
HARLES AND PERAL
FED. AID DIST. 41-A-4385
PAGE 201

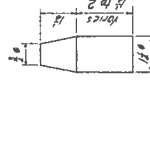
FRAMING PLAN-UNIT 3

BRIDGE OVER OHIO RIVER ON U.S. 41
SOUTH APPROACH
NO. 6 P200101 1983 261
4

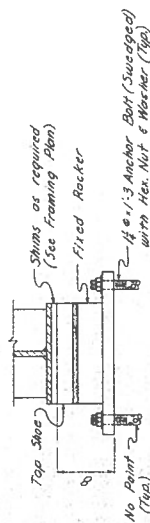
FOR INFORMATION ONLY



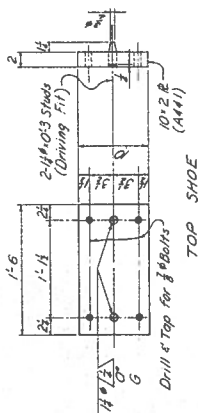
EXPANSION SHOE ASSEMBLY



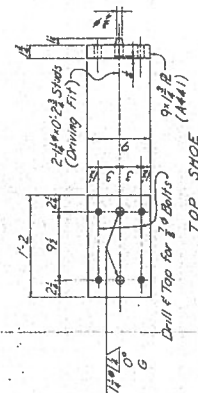
PINTLE STUD DETAIL
Scale: Half Size



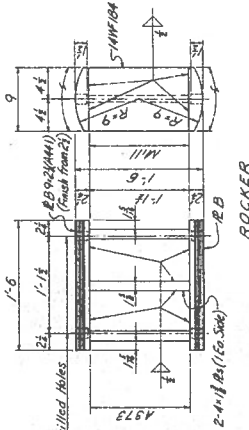
FIXED SHOE ASSEMBLY



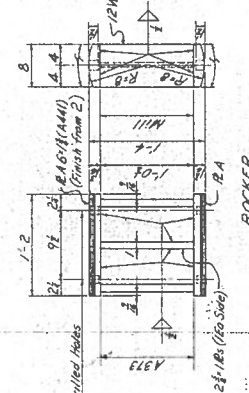
TOP SHOE



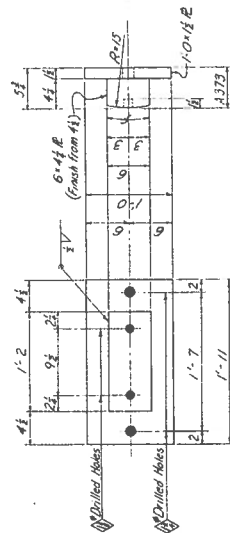
TOP SHOE



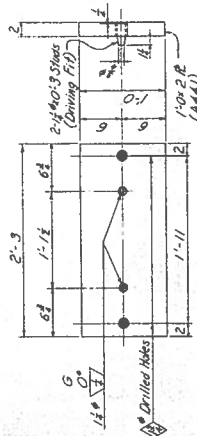
ROCKER



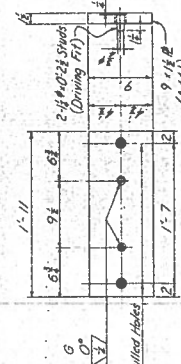
ROCKER



FIXED ROCKER



EXPANSION PLATE



EXPANSION PLATE

EXPANSION SHOE AT PIERS
S-19, S-18, S-16, S-14, S-12, S-10, S-8, S-6, S-4

EXPANSION SHOE AT PIERS
S-15, S-11, S-7, S-3 (SPAN #5) TABUT: S-20

STRUCTURAL STEEL DETAILS
UNITS 5 THRU 2

SHEET 26 OF 52
STATE HIGHWAY DEPARTMENT OF INDIANA
KENTUCKY DEPARTMENT OF HIGHWAYS
PROJECT: F200 (11)
BRIDGE OVER OHIO RIVER ON U.S. 41
SOUTH APPROACH
BETWEEN EVANSVILLE, INDIANA AND HENDERSON, KENTUCKY
BRIDGE CONTRACT NO. 5980
BRIDGE FILE: 41-1-4995

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 2012 with the 2012 Revision*.

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)
- III. Payment of Predetermined Minimum Wages
- IV. Statements and Payrolls

I. APPLICATION

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

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

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

II. NONDISCRIMINATION OF EMPLOYEES

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

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

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy); 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 (between forty and seventy). 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, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin is a bona fide occupational qualification for employment.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual

because of his race, color, religion, national origin, sex, disability or age (between forty and seventy), 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.

III. PAYMENT OF PREDETERMINED MINIMUM WAGES

1. These special provisions are supplemented elsewhere in the contract by special provisions which set forth certain predetermined minimum wage rates. The contractor shall pay not less than those rates.

2. The minimum wage determination schedule shall be posted by the contractor, in a manner prescribed by the Department of Highways, at the site of the work in prominent places where it can be easily seen by the workers.

IV. STATEMENTS AND PAYROLLS

1. All contractors and subcontractors affected by the terms of KRS 337.505 to 337.550 shall keep full and accurate payroll records covering all disbursements of wages to their employees to whom they are required to pay not less than the prevailing rate of wages. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of one (1) year from the date of completion of this contract.

2. The payroll records shall contain the name, address and social security number of each employee, his correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid.

3. The contractor shall make his daily records available at the project site for inspection by the State Department of Highways contracting office or his authorized representative.

Periodic investigations shall be conducted as required to assure compliance with the labor provisions of the contract. Interrogation of employees and officials of the contractor shall be permitted during working hours.

Aggrieved workers, Highway Managers, Assistant District Engineers, Resident Engineers and Project Engineers shall report all complaints and violations to the Division of Contract Procurement.

The contractor shall be notified in writing of apparent violations. The contractor may correct the reported violations and notify the Department of Highways of the action taken or may request an informal hearing. The request for hearing shall be in writing within ten (10) days after receipt of the notice of the reported violation. The contractor may submit

records and information which will aid in determining the true facts relating to the reported violations.

Any person or organization aggrieved by the action taken or the findings established as a result of an informal hearing by the Division of Contract Procurement may request a formal hearing.

4. The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount, without discount or collection charges of any kind. Where checks are used for payments, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements.

5. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

6. No laborers shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

7. Every employee on the work covered by this contract shall be permitted to lodge, board, and trade where and with whom he elects and neither the contractor nor his agents, nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

8. Every employee on the project covered by this contract shall be an employee of either the prime contractor or an approved subcontractor.

9. No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

10. No individual shall be employed as a laborer or mechanic on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams, trucks or other equipment from individuals.

No Covered employee may be employed on the work except in accordance with the classification set forth in the schedule mentioned above; provided, however, that in the event additional classifications are required, application shall be made by the contractor to the Department of Highways and (1) the Department shall request appropriate classifications and rates from the proper agency, or (2) if there is urgent need for additional classification to avoid undue delay in the work, the contractor may employ such workmen at rates deemed comparable to rates established for similar classifications provided he has made written application through the Department of Highways, addressed to the proper agency, for the supplemental rates. The contractor shall retroactively adjust, upon receipt of the supplemental rates schedule, the wages of any employee paid less than the established rate and may adjust the wages of any employee overpaid.

11. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work-week in which he is employed on such work, to work in excess of eight hours in any calendar day or in excess of forty hours in such work-week unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work-week. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. This agreement shall be in writing and shall be executed prior to the employee working in excess of eight (8) hours, but not more than ten (10) hours, in any one (1) calendar day.

12. Payments to the contractor may be suspended or withheld due to failure of the contractor to pay any laborer or

mechanic employed or working on the site of the work, all or part of the wages required under the terms of the contract. The Department may suspend or withhold payments only after the contractor has been given written notice of the alleged violation and the contractor has failed to comply with the wage determination of the Department of Highways.

13. Contractors and subcontractors shall comply with the sections of Kentucky Revised Statutes, Chapter 337 relating to contracts for Public Works.

Revised 2-16-95

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 (6) provides:

No present or former public servant shall, within six (6) months of 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 the state in matters in which he was directly involved during 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, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved 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.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, 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, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Kentucky Equal Employment Opportunity Act of 1978

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) shall not apply to this Contract.

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT
COMPLIANCE SECTION
PROJECT WAGE RATES**

**WORKERS.....MINIMUM HOURLY
RATE.....\$7.25**

Note: Parts III and IV of “**Labor and Wage Requirements Applicable to Other Than Federal-Aid System Projects**” do not apply to this project.

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

CONTRACT ID: 122981
COUNTY: HENDERSON
PROPOSAL: FE02 051 0041 B00007L

PAGE: 1
LETTING: 06/15/12
CALL NO: 308

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
SECTION 0001 BRIDGE					
0010	02562	SIGNS	140.000 SQFT		
0020	02650	MAINTAIN & CONTROL TRAFFIC APPLIES TO 051B00007L	(1.00) LS		
0030	02653	LANE CLOSURE	2.000 EACH		
0040	08435	JACK & SUPPORT BRIDGE SPAN	(1.00) LS		
0050	21969NN	BEARING REPLACEMENT	2.000 EACH		
SECTION 0002 DEMOBILIZATION					
0060	02569	DEMOBILIZATION (AT LEAST 1.5%)	LUMP		
		TOTAL BID			