



**CALL NO. 431**

**CONTRACT ID. 132379**

**TODD - LOGAN - BUTLER COUNTIES**

**FED/STATE PROJECT NUMBER 121GR13P115-FE01**

**DESCRIPTION VARIOUS ROUTES IN TODD, LOGAN AND BUTLER COUNTIES**

**WORK TYPE GUARDRAIL**

**PRIMARY COMPLETION DATE 11/15/2013**

**LETTING DATE: August 16, 2013**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME August 16, 2013. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

**NO PLANS ASSOCIATED WITH THIS PROJECT.**

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

**TABLE OF CONTENTS**

<b>PART I</b>	<b>SCOPE OF WORK</b> <ul style="list-style-type: none"><li>• PROJECT(S), COMPLETION DATE(S), &amp; LIQUIDATED DAMAGES</li><li>• CONTRACT NOTES</li><li>• STATE CONTRACT NOTES</li><li>• SPECIAL NOTE(S) APPLICABLE TO PROJECT</li><li>• WASTE AND BORROW SITES</li><li>• TRAFFIC CONTROL PLAN 2 LANE</li><li>• SKETCH MAP(S)</li><li>• MATERIAL SUMMARY</li><li>• SUMMARY SHEET(S)</li><li>• DETAIL SHEET(S)</li></ul>
<b>PART II</b>	<b>SPECIFICATIONS AND STANDARD DRAWINGS</b> <ul style="list-style-type: none"><li>• SPECIFICATIONS REFERENCE</li><li>• SUPPLEMENTAL SPECIFICATION</li><li>• STANDARD DRAWINGS THAT APPLY ENTIRE LIST 2012</li><li>• DELINEATORS FOR GUARDRAIL</li><li>• GUARDRAIL COMPONENTS</li><li>• STEEL BEAM GUARDRAIL ("W" BEAM)</li></ul>
<b>PART III</b>	<b>EMPLOYMENT, WAGE AND RECORD REQUIREMENTS</b> <ul style="list-style-type: none"><li>• LABOR AND WAGE REQUIREMENTS</li><li>• EXECUTIVE BRANCH CODE OF ETHICS</li><li>• KENTUCKY EQUAL EMPLOYMENT OPPORTUNITY ACT OF 1978 LOCALITY 1,2,3,4 / STATE (UNDER 250,000)</li><li>• PROJECT WAGE RATES LOCALITY 1,2,3,4 / STATE</li></ul>
<b>PART IV</b>	<b>INSURANCE</b>
<b>PART V</b>	<b>BID ITEMS</b>

# **PART I**

## **SCOPE OF WORK**

ADMINISTRATIVE DISTRICT - 03

CONTRACT ID - 132379  
121GR13P115-FE01  
COUNTY - BUTLER  
PCN - MP01600701303  
FE01 016 0070 014-016

BROWNSVILLE ROAD (KY 70) (MP 14.419) FROM US 231 EXTENDING EAST TO KY 79 (MP 15.150), A DISTANCE OF 0.73 MILES.GUARDRAIL  
GEOGRAPHIC COORDINATES LATITUDE 37:16:04.00 LONGITUDE 86:41:09.00

PCN - MP01602311302  
FE01 016 0231 008-009

BOWLING GREEN ROAD (US 231) (MP 8.743) FROM 550 FEET NORTH OF KY 1468 EXTENDING NORTH TO 1025 FEET NORTH OF PARKWAY LANE (MP 8.957), A DISTANCE OF 0.21 MILES.GUARDRAIL  
GEOGRAPHIC COORDINATES LATITUDE 37:12:05.00 LONGITUDE 86:42:13.00

PCN - MP01635451301  
FE01 016 3545 000-001

STATE BARN ROAD (KY 3545) (MP 0.000) FROM END OF STATE MAINTENANCE EXTENDING NORTH TO 565 FEET SOUTH OF KY 70 (MP 0.183), A DISTANCE OF 0.18 MILES.GUARDRAIL  
GEOGRAPHIC COORDINATES LATITUDE 37:12:52.00 LONGITUDE 86:42:34.00

COUNTY - LOGAN

PCN - MP07101001302  
FE01 071 0100 006-007

FRANKLIN ROAD (KY 100) (MP 6.741) FROM 500 FEET WEST OF PLEASANT RUN CREEK BRIDGE EXTENDING EAST TO 400 FEET EAST OF PLEASANT RUN CREEK BRIDGE (MP 6.912), A DISTANCE OF 0.17 MILES.GUARDRAIL  
GEOGRAPHIC COORDINATES LATITUDE 36:47:05.00 LONGITUDE 86:46:47.00

COUNTY - TODD

PCN - MP11001061302  
FE01 110 0106 001-002

BLUE AND GRAY PARK ROAD (KY 106) (MP 1.760) FROM 660 FEET NORTH OF JOHN GREENFIELD ROAD EXTENDING NORTH TO 1660 FEET NORTH OF JOHN GREENFIELD ROAD (MP 1.950), A DISTANCE OF 0.19 MILES.GUARDRAIL  
GEOGRAPHIC COORDINATES LATITUDE 36:51:11.00 LONGITUDE 87:08:19.00

COMPLETION DATE(S):  
COMPLETED BY 11/15/2013                      APPLIES TO ENTIRE CONTRACT

## **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](http://www.transportation.ky.gov/construction-procurement))

The Bidder must download the bid file located on the Bid Express website ([www.bidx.com](http://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](mailto: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](http://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 Kentucky Division of Forestry has imposed a quarantine in Anderson, Boone, Bourbon, Boyd, Boyle, Bracken, Campbell, Carroll, Fayette, Franklin, Gallatin, Garrard,

Grant, Greenup, Hardin, Harrison, Henry, Jefferson, Jessamine, Kenton, Oldham, Owen, Pendleton, Scott, Shelby, Trimble, and Woodford Counties 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 county of its origin. 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. (See attachment)

10/29/12

## **SPECIAL NOTE FOR RECIPROCAL PREFERENCE**

### **Reciprocal preference to be given by public agencies to resident bidders**

**By reference, KRS 45A.490 to 45A.494 are incorporated herein and in compliance regarding the bidders residency. Bidders who want to claim resident bidder status should complete the Affidavit for Claiming Resident Bidder Status along with their bid in the Expedite Bidding Program. Submittal of the Affidavit should be done along with the bid in Bid Express.**



## **SPECIAL NOTES FOR GUARDRAIL**

### **I. DESCRIPTION**

All work shall be performed in accordance with the Department's current Standard Specifications and applicable Special Provisions except as hereafter specified. Article references are to the Standard Specifications.

This work shall consist furnishing all equipment, labor, materials, and incidentals for the following: (1) Site Preparation; (2) Do temporary erosion control, temporary pollution control, seeding and protection, and clean up; (3) Remove existing guardrail systems; (4) Resetting and installing guardrail systems (5) Maintaining and control traffic; and (6) all other work specified in the Contract.

### **II. MATERIALS**

All materials shall be sampled and tested in accordance with the Department's Sampling Manual and the materials shall be available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in these Notes.

- A. Maintain and Control Traffic.** See Traffic Control Plan.
- B. Seeding and Protection.** Use Seed Mixture No. 1.
- C. Guardrail Posts.** Steel Guardrail posts are required. No alternate is allowed.
- D. Delineators for Guardrail.** Furnish bi-directional white and/or yellow Delineators for Guardrail according to the Delineators for Guardrail Sepia Drawing.

### **III. CONSTRUCTION METHODS**

- A. Maintain and Control Traffic.** See Traffic Control Plan.
- B. Site Preparation.** Prepare the shoulder for the guardrail installation, which includes regrading, reshaping, adding and compacting of suitable materials on the existing shoulders to provide proper template or foundation for the guardrail and guardrail end treatments; filling voids left as the result of removing existing guardrail and guard posts with dry sand; removal of all obstructions or any other items; excavation and embankment; temporary pollution and erosion control; disposal, of waste materials; final dressing and cleanup; and seeding and protection. Guardrail templates or foundations for guardrail end treatments shall be constructed in accordance with the applicable standard drawings. Any variations in the template due to site conditions shall be approved by the engineer. All site preparation shall be approved or directed by the engineer.

**C. Remove and Reset Guardrail system, including Concrete Posts and Existing Guardrail End Treatments.** Remove existing guardrail system including the guardrail end treatments, Bridge End connectors and all other elements of the existing guardrail system as per Section 719, except that the Contractor will take possession of all concrete posts and all concrete associated with existing bridge and/or guardrail end treatments. Locate all disposal areas off the Right of Way.

Dispose of all existing concrete off the right of way at locations approved by the Engineer. Salvage existing material as per Section 719.03.06, except that salvaged guardrail and guardrail end treatments shall be reused and reset in locations designated by the Engineer. Remove any existing guardrail with a lane closure in place. Do not leave the area unprotected. After the guardrail is removed, a shoulder closure shall remain in place until the guardrail is replaced in that area.

Reset and install guardrail systems as per Section 719. Steel guardrail posts are required. No alternate is allowed. The shoulder width shall be a minimum of 2 Ft unless otherwise directed by the Engineer. Grade slopes and shoulders as per applicable guardrail standard drawings. Guardrail locations shown on summary and/or drawing are approximate only. The Engineer will determine the exact termini for guardrail installations at time of construction. Construct radii at entrances and road intersections as per applicable Standard Drawings.

Removal and resetting of guardrail terminal sections shall not be paid for, but shall be considered incidental to Remove and Reset Guardrail.

**There are existing sections of guardrail on this project that have steel offset blocks. Remove and replace these steel offsets with department approved wooden offset blocks. This work will not be paid for, but will be considered incidental to Remove and Reset Guardrail.**

The guardrail shall be erected to the lines and grades shown on current standard drawings or as designated by the Engineer. Unless otherwise directed, the guardrail shall be constructed 2'-5" above true theoretical shoulder elevations, or by any method approved by the Engineer which allows the construction of the guardrail to the true grade and prevents apparent sags.

When installing guardrail the blunt end shall NOT be left exposed where it would be hazardous to the public. When it is not practical to complete the construction of the rail or the permanent end treatments first, the Engineer may require a temporary end by connecting at least 25 feet of rail to the last post, and by slightly flaring, and burying the end of the rail completely into the existing shoulder. If left overnight, a drum with bridge panel as detailed on Standard Drawings for Miscellaneous Traffic Control Devices shall be placed in advance of the guardrail end and maintained during use. The cost of the temporary end, including the barrier and panel, shall be included in the unit price for Remove and Reset Guardrail.

**D. Property Damage.** The Contractor will be responsible for all damage to public and/or private property resulting from his work.

**E. Coordination with Utility Companies.** NOTICE: Utility locations are not shown in the proposal for this project and have not been located by the Department. Locate all underground, above ground and overhead utilities prior to beginning construction. The Contractor shall have the responsibility for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. Do not disturb existing overhead or underground utilities. It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities. The Contractor shall be responsible for repairing all utility damage that occurs as a result of his operations.

**F. Right of Way Limits.** The exact limits of the Right-of-Way have not been established by the Department. The Contractor shall limit his activities to obvious Right-of-Way, permanent or temporary easements, and work areas secured by the Department through consent and release of the adjacent property owners. The Contractor shall be responsible for all encroachments onto private lands.

**G. Disposal of Waste.** Dispose of all removed concrete, debris, and other waste and debris off the Right-of-Way at sites obtained by the Contractor at no additional cost to the Department. See Special Note for Waste and Borrow.

**H. Final Dressing, Seeding and Protection, and Clean Up.** Apply final dressing, class A to all disturbed areas, both on and off the Right-of-Way. Sow all disturbed earthen areas with Seed Mixture No. 1. The Department will NOT make direct payment for final dressing, seeding and protection, and clean up.

#### **IV. METHOD OF MEASUREMENT**

**A. Maintain and Control Traffic.** See Traffic Control Plan.

**B. Site preparation.** Site preparation will be measured for payment as a lump sum for each project as included in the summary of items.

**C. Remove and Reset Guardrail.** The Department will measure the quantity in Linear Feet.

**D. Remove and Reset Guardrail End Treatment.** The Department will measure the quantity as Each.

**E. Seeding and Protection, Temporary Erosion Control, Temporary Pollution Control, Waste Disposal.** The Department will NOT MEASURE for payment the operations shown here. These include Seeding and Protection, Temporary Erosion Control, Temporary Pollution Control, and Waste Disposal. These activities shall be incidental to the bid item Remove and Reset Guardrail.

## **V. BASIS OF PAYMENT**

**A. Maintain and Control Traffic.** See Traffic Control Plan.

**B. Site Preparation.** Site preparation will be measured for payment as a lump sum for each project as included in the summary of items. Site preparation shall include all labor, equipment, and materials required for the contractor to fulfill the requirements set forth in construction methods portion of this note.

**C. Remove and Reset Guardrail.** The Department will make payment for the completed and accepted quantities of Remove and Reset Guardrail. The Department will consider payment as full compensation for furnishing all materials, equipment, labor, other expenses and all incidentals necessary to complete this work to remove and reset the Guardrail.

**D. Remove and Reset Guardrail End Treatment.** The Department will make payment for the completed and accepted quantities of Remove and Reset End Treatment. The Department will consider payment as full compensation for furnishing all materials, equipment, labor, other expenses and all incidentals necessary to complete this work to remove and reset the Guardrail End Treatment.

**E. Seeding and Protection, Temporary Erosion Control, Temporary Pollution Control, Waste Disposal.** The Department will NOT pay as per applicable sections for the following operations: Seeding and Protection, Temporary Erosion Control, Temporary Pollution Control, and Waste Disposal. These activities shall be incidental to the bid item "Remove and Reset Guardrail."

## **SPECIAL PROVISION FOR WASTE AND BORROW SITES**

Obtain U.S. Army Corps of Engineer's approval before utilizing a waste or borrow site that involves "Waters of the United States". The Corps of Engineers defines "Waters of the United States" as perennial or intermittent streams, ponds or wetlands. The Corps of Engineers also considers ephemeral streams, typically dry except during rainfall but having a defined drainage channel, to be jurisdictional waters. Direct questions concerning any potential impacts to "Waters of the United States" to the attention of the appropriate District Office for the Corps of Engineers for a determination prior to disturbance. Be responsible for any fees associated with obtaining approval for waste and borrow sites from the U.S. Army Corps of Engineer or other appropriate regulatory agencies.

1-296 Waste & Borrow Sites  
01/02/2012

## **TRAFFIC CONTROL PLAN**

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### **TRAFFIC CONTROL GENERAL**

Except as provided herein, maintain and control traffic in accordance with the Standard and Supplemental Specifications and the Standard and Sepia Drawings, current editions. 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, furnish new, or used in like new condition, traffic control devices at the beginning of the work and maintain in like new condition until completion of the work.

### **PROJECT PHASING & CONSTRUCTION PROCEDURES**

The Engineer may specify days and hours when lane closures will not be allowed.

Maintain alternating one way traffic during construction. Provide a minimum clear lane width of 10 feet on all routes; however, provide for passage of vehicles of up to 16 feet in width. If traffic should be stopped due to construction operations, and a school bus on an official run arrives on the scene, make provisions for the passage of the bus as quickly as possible.

### **LANE CLOSURES**

Do not leave lane closures in place during non-working hours.

### **SIGNS**

Contrary to section 112.04.02, only long term signs (signs 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.

### **CHANGEABLE MESSAGE SIGNS**

If deemed necessary by the Engineer, the Department will furnish, operate, and maintain Changeable Message Signs.

Traffic Control Plan  
Page 2 of 3

## **BARRICADES**

The Department will not measure barricades used in lieu of barrels and cones for channelization or delineation, but shall be incidental to Maintain and Control Traffic according to Section 112.04.01.

The Department will measure barricades used to protect pavement removal areas in individual units Each. The Department will measure for payment the maximum number of barricades in concurrent use at the same time on a single day on all sections of the contract. The Department will measure individual barricades only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. The Department will not measure replacements for damaged barricades the Engineer directs to be replaced due to poor condition or reflectivity. Retain possession of the Barricades upon completion of construction.

## **PAVEMENT MARKINGS**

If there is to be a deviation from the existing striping plan, the Engineer will furnish the Contractor a striping plan prior to placement of the final surface course.

Install Temporary Striping according to Section 112 with the following exception:

If the Contractor's operations or phasing requires temporary markings that must subsequently be removed from the final surface course, use an approved removable lane tape; however, the Department will not measure removable lane tape for separate payment, but will measure and pay for removable lane tape as temporary striping.

## **PAVEMENT EDGE DROP-OFFS**

Do not allow a pavement edge between opposing directions of traffic or lanes that traffic is expected to cross in a lane change situation with an elevation difference greater than 1½". Place Warning signs (MUTCD W8-11 or W8-9A) in advance of and at 1500' intervals throughout the drop-off area. Dual post the signs on both sides of the traveled way. Wedge all transverse transitions between resurfaced and unresurfaced areas which traffic may cross with asphalt mixture for leveling and wedging. Remove the wedges prior to placement of the final surface course.

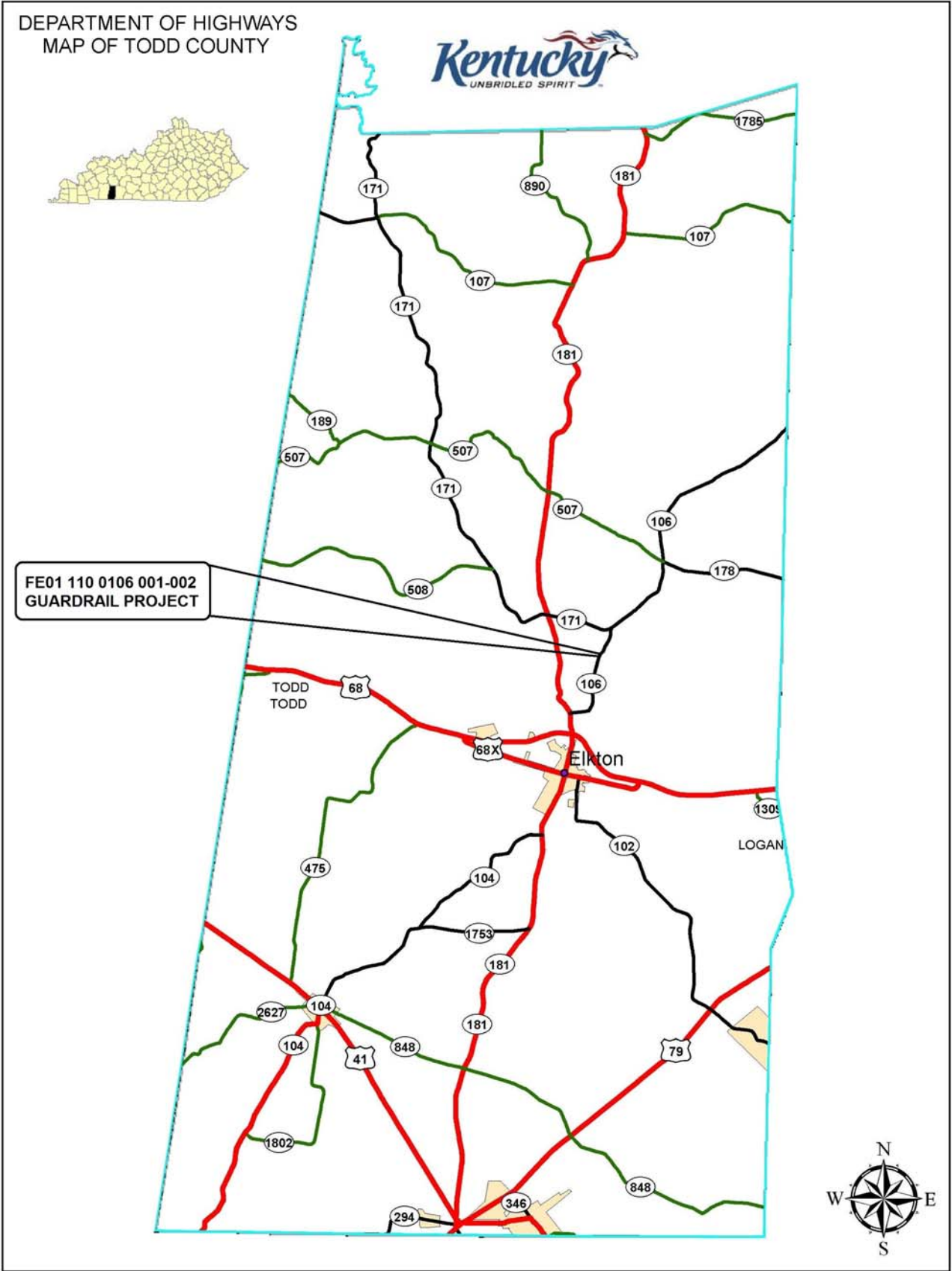
Protect pavement edges that traffic is not expected to cross, except accidentally, as follows:

Less than 2" - No protection required.

Traffic Control Plan  
Page 3 of 3

Guardrail Installation – Either existing or new guardrail shall be in place during periods when lane closures are prohibited by the Traffic Control Plan. Protect with lane closure during active operations. Protect partially completed guardrail installations with a shoulder closure during non-working hours.









MATERIAL SUMMARY

CONTRACT ID: 132379

121GR13P115-FE01

MP01600701303

BROWNSVILLE ROAD (KY 70) FROM US 231 EXTENDING EAST TO KY 79 GUARDRAIL, A DISTANCE OF .73 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0010	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	75.00	EACH
0020	02383	REMOVE & RESET GUARDRAIL	3,750.00	LF
0030	02562	TEMPORARY SIGNS	150.00	SQFT
0040	02650	MAINTAIN & CONTROL TRAFFIC - (KY 70)	1.00	LS
0050	20257NC	SITE PREPARATION - (KY 70)	1.00	LS
0060	24096EC	REMOVE AND RESET END TREATMENT	6.00	EACH
0070	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 132379

121GR13P115-FE01

MP01602311302

BOWLING GREEN ROAD (US 231) FROM 550 FEET NORTH OF KY 1468 EXTENDING NORTH TO 1025 FEET NORTH OF PARKWAY LANE GUARDRAIL, A DISTANCE OF .21 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0010	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	20.00	EACH
0020	02383	REMOVE & RESET GUARDRAIL	987.50	LF
0030	02562	TEMPORARY SIGNS	150.00	SQFT
0040	02650	MAINTAIN & CONTROL TRAFFIC - (US 231)	1.00	LS
0050	24096EC	REMOVE AND RESET END TREATMENT	8.00	EACH
0060	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 132379

121GR13P115-FE01

MP01635451301

STATE BARN ROAD (KY 3545) FROM END OF STATE MAINTENANCE EXTENDING NORTH TO 565 FEET SOUTH OF KY 70 GUARDRAIL, A DISTANCE OF .18 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0010	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	20.00	EACH
0020	02383	REMOVE & RESET GUARDRAIL	975.00	LF
0030	02562	TEMPORARY SIGNS	150.00	SQFT
0040	02650	MAINTAIN & CONTROL TRAFFIC - (KY 3545)	1.00	LS
0050	20257NC	SITE PREPARATION - (KY 3545)	1.00	LS
0060	24096EC	REMOVE AND RESET END TREATMENT	1.00	EACH
0070	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 132379

121GR13P115-FE01

MP07101001302

FRANKLIN ROAD (KY 100) FROM 500 FEET WEST OF PLEASANT RUN CREEK BRIDGE EXTENDING EAST TO 400 FEET EAST OF PLEASANT RUN CREEK BRIDGE GUARDRAIL, A DISTANCE OF .17 MILES.

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0020	02383	REMOVE & RESET GUARDRAIL	1,000.00	LF
0030	02562	TEMPORARY SIGNS	150.00	SQFT
0040	02650	MAINTAIN & CONTROL TRAFFIC - (KY 100)	1.00	LS
0050	20257NC	SITE PREPARATION - (KY 100)	1.00	LS
0060	24096EC	REMOVE AND RESET END TREATMENT	4.00	EACH
0070	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 132379

121GR13P115-FE01

MP11001061302

BLUE AND GRAY PARK ROAD (KY 106) FROM 660 FEET NORTH OF JOHN GREENFIELD ROAD EXTENDING NORTH TO 1660 FEET NORTH OF JOHN GREENFIELD ROAD GUARDRAIL, A DISTANCE OF .19 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0010	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	20.00	EACH
0020	02383	REMOVE & RESET GUARDRAIL	1,000.00	LF
0030	02562	TEMPORARY SIGNS	150.00	SQFT
0040	02650	MAINTAIN & CONTROL TRAFFIC - (KY 106)	1.00	LS
0050	20257NC	SITE PREPARATION - (KY 106)	1.00	LS
0060	24096EC	REMOVE AND RESET END TREATMENT	2.00	EACH
0070	02569	DEMOBILIZATION	1.00	LS

FE01 110 0106 001-002 KY 106 TODD COUNTY											
REMOVE AND RESET GUARDRAIL											
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS
Right	Type 3	1.760	1.950	Type 1	1000.0						
Totals					1000.0						

DO NOT REMOVE OR RESET BRIDGE END CONNECTORS



DO NOT REMOVE OR RESET BRIDGE END CONNECTORS

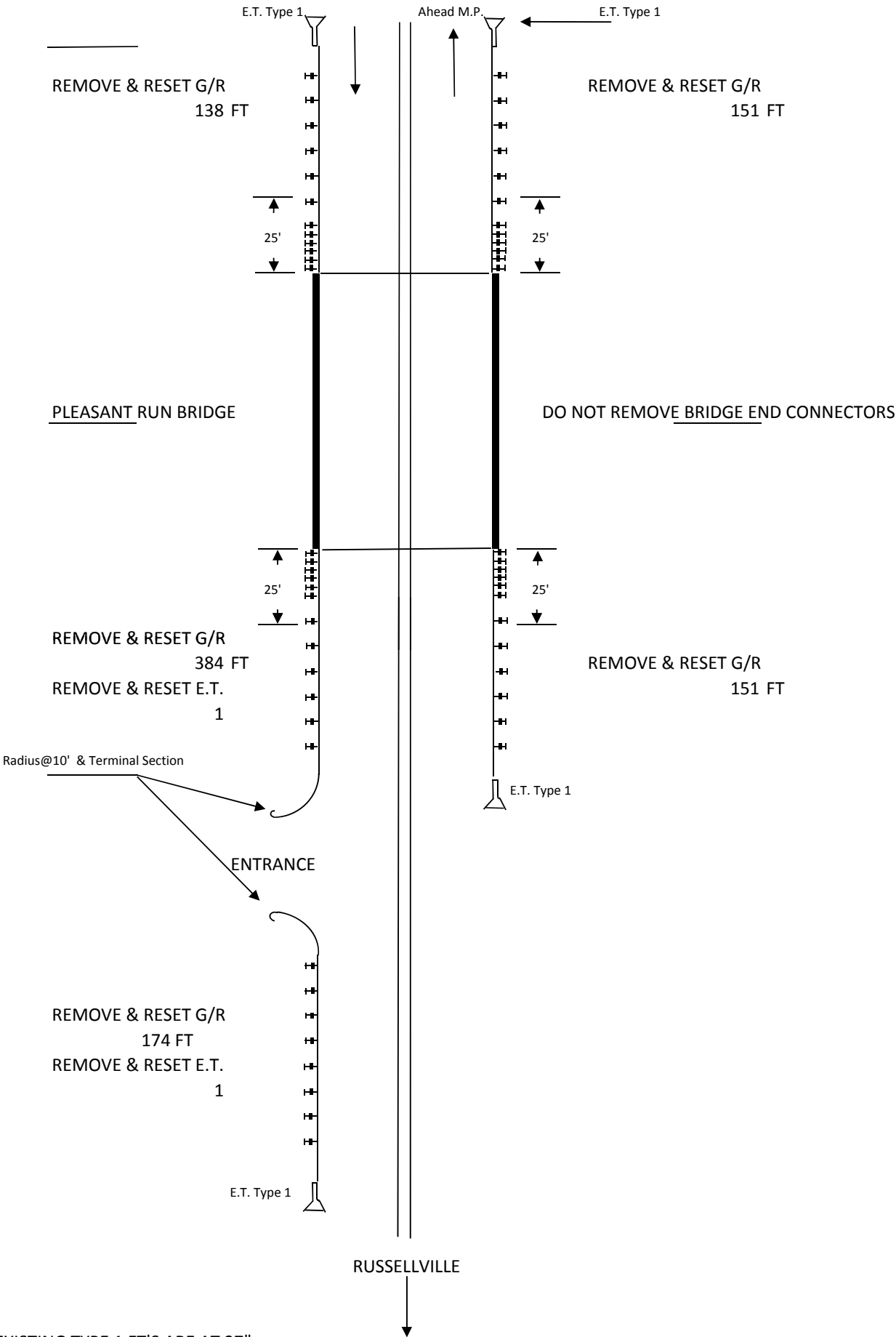
FE01 016 3545 000-001 KY 3545 BUTLER COUNTY												
REMOVE AND RESET GUARDRAIL												
LANE	END TREAT. <small>Term. Sect.</small>	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS	
Left	No. 1	0.000	0.183	Type 7	975.0							
Totals					975.0							



FE01 016 0231 008-009 US 231 BUTLER COUNTY												
REMOVE AND RESET GUARDRAIL												
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS	
Left	Type 1	8.743	8.751	Terminal	50.0	Exist. Steel Offsets						
Left	Terminal	8.761	8.810	Type 1	262.5	Exist. Steel Offsets						
Right	Type 1	8.763	8.801	Type 1	212.5	Exist. Steel Offsets						
Left	Type 1	8.915	8.957	Type 1	225.0	Exist. Steel Offsets						
Right	Type 1	8.899	8.942	Type 1	237.5	Exist. Steel Offsets						
Totals					987.5							

FE01 016 0070 014-016 KY 70 BUTLER COUNTY											
REMOVE AND RESET GUARDRAIL											
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS
Right	Type 3	14.605	14.652	Type 1	250.0	Exist. Steel Offsets					
Left	Type 1	14.617	14.682	Type 1 <small>Term. Sect. No. 1</small>	350.0	Exist. Steel Offsets					
Left	Type 1	14.746	15.046	Type 1	1587.5	Exist. Steel Offsets					
Right	Terminal	14.752	15.046	Type 1	1562.5	Exist. Steel Offsets					
Totals					3750.0						

FE01 071 0100 006-007  
LOGAN CO KY 100



ALL EXISTING TYPE 1 ET'S ARE AT 27"  
DO NOT DISTURB BRIDGE CONNECTIONS

**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*.

**Supplemental Specifications to the  
Standard Specifications for Road and Bridge Construction, 2012 Edition  
Effective with the June 14, 2013 Letting**

<b>Subsection:</b>	109.07.02 Fuel.
<b>Revision:</b>	Revise item Crushed Aggregate Used for Embankment Stabilization to the following: Crushed Aggregate Used for Stabilization of Unsuitable Materials Used for Embankment Stabilization
<b>Subsection:</b>	112.03.12 Project Traffic Coordinator (PTC).
<b>Revision:</b>	Replace the last paragraph of this subsection with the following: Ensure the designated PTC has sufficient skill and experience to properly perform the task assigned and has successfully completed the qualification courses.
<b>Subsection:</b>	112.04.18 Diversions (By-Pass Detours).
<b>Revision:</b>	Insert the following sentence after the 2nd sentence of this subsection. The Department will not measure temporary drainage structures for payment when the contract documents provide the required drainage opening that must be maintained with the diversion. The temporary drainage structures shall be incidental to the construction of the diversion. If the contract documents fail to provide the required drainage opening needed for the diversion, the cost of the temporary drainage structure will be handled as extra work in accordance with section 109.04.
<b>Subsection:</b>	206.04.01 Embankment-in-Place.
<b>Revision:</b>	Replace the fourth paragraph with the following: The Department will not measure <b>suitable</b> excavation included in the original plans that is disposed of for payment and will consider it incidental to Embankment-in-Place.
<b>Subsection:</b>	208.02.01 Cement.
<b>Revision:</b>	Replace paragraph with the following: Select Type I or Type II cement conforming to Section 801. Use the same type cement throughout the work.
<b>Subsection:</b>	208.03.06 Curing and Protection.
<b>Revision:</b>	Replace the fourth paragraph with the following: Do not allow traffic or equipment on the finished surface until the stabilized subgrade has cured for a total of 7-days with an ambient air temperature above 40 degrees Fahrenheit. A curing day consists of a continuous 24-hour period in which the ambient air temperature does not fall below 40 degrees Fahrenheit. Curing days will not be calculated consecutively, but must total seven (7) , 24-hour days with the ambient air temperature remaining at or above 40 degrees Fahrenheit before traffic or equipment will be allowed to traverse the stabilized subgrade. The Department may allow a shortened curing period when the Contractor requests. The Contractor shall give the Department at least 3 day notice of the request for a shortened curing period. The Department will require a minimum of 3 curing days after final compaction. The Contractor shall furnish cores to the treated depth of the roadbed at 500 feet intervals for each lane when a shortened curing time is requested. The Department will test cores using an unconfined compression test. Roadbed cores must achieve a minimum strength requirement of 80 psi.
<b>Subsection:</b>	208.03.06 Curing and Protection.
<b>Revision:</b>	Replace paragraph nine with the following: At no expense to the Department, repair any damage to the subgrade caused by freezing.

**Supplemental Specifications to the  
Standard Specifications for Road and Bridge Construction, 2012 Edition  
Effective with the June 14, 2013 Letting**

<b>Subsection:</b>	213.03.02 Progress Requirements.
<b>Revision:</b>	Replace the last sentence of the third paragraph with the following: Additionally, the Department will apply a penalty equal to the liquidated damages when all aspects of the work are not coordinated in an acceptable manner within 7 calendar days after written notification.
<b>Subsection:</b>	402.03.02 Contractor Quality Control and Department Acceptance.
<b>Part:</b>	D) Testing Responsibilities.
<b>Number:</b>	4) Density.
<b>Revision:</b>	Replace the second sentence of the Option A paragraph with the following: Perform coring by the end of the following work day.
<b>Subsection:</b>	403.02.10 Material Transfer Vehicle (MTV).
<b>Revision:</b>	Replace the first sentence with the following: In addition to the equipment specified above, provide a MTV with the following minimum characteristics:
<b>Subsection:</b>	412.02.09 Material Transfer Vehicle (MTV).
<b>Revision:</b>	Replace the paragraph with the following: Provide and utilize a MTV with the minimum characteristics outlined in section 403.02.10.
<b>Subsection:</b>	412.03.07 Placement and Compaction.
<b>Revision:</b>	Replace the first paragraph with the following: Use a MTV when placing SMA mixture in the driving lanes. The MTV is not required on ramps and/or shoulders unless specified in the contract. When the Engineer determines the use of the MTV is not practical for a portion of the project, the Engineer may waive its requirement for that portion of pavement by a letter documenting the waiver.
<b>Subsection:</b>	412.04 MEASUREMENT.
<b>Revision:</b>	Add the following subsection: 412.04.03. Material Transfer Vehicle (MTV). The Department will not measure the MTV for payment and will consider its use incidental to the asphalt mixture.
<b>Subsection:</b>	501.03.19 Surface Tolerances and Testing Surface.
<b>Part:</b>	B) Ride Quality.
<b>Revision:</b>	Add the following to the end of the first paragraph: The Department will specify if the ride quality requirements are Category A or Category B when ride quality is specified in the Contract. Category B ride quality requirements shall apply when the Department fails to classify which ride quality requirement will apply to the Contract.
<b>Subsection:</b>	605.03.04 Tack Welding.
<b>Revision:</b>	Insert the subsection and the following: 605.03.04 Tack Welding. The Department does not allow tack welding.
<b>Subsection:</b>	606.03.17 Special Requirements for Latex Concrete Overlays.
<b>Part:</b>	A) Existing Bridges and New Structures.
<b>Number:</b>	1) Prewetting and Grout-Bond Coat.
<b>Revision:</b>	Add the following sentence to the last paragraph: Do not apply a grout-bond coat on bridge decks prepared by hydrodemolition.

**Supplemental Specifications to the  
Standard Specifications for Road and Bridge Construction, 2012 Edition  
Effective with the June 14, 2013 Letting**

<b>Subsection:</b>	609.03 Construction.
<b>Revision:</b>	Replace Subsection 609.03.01 with the following: 609.03.01 A) Swinging the Spans. Before placing concrete slabs on steel spans or precast concrete release the temporary erection supports under the bridge and swing the span free on its supports. 609.03.01 B) Lift Loops. Cut all lift loops flush with the top of the precast beam once the beam is placed in the final location and prior to placing steel reinforcement. At locations where lift loops are cut, paint the top of the beam with galvanized or epoxy paint.
<b>Subsection:</b>	611.03.02 Precast Unit Construction.
<b>Revision:</b>	Replace the first sentence of the subsection with the following: Construct units according to ASTM C1577, <b>replacing Table 1 (Design Requirements for Precast Concrete Box Sections Under Earth, Dead and HL-93 Live Load Conditions) with KY Table 1 (Precast Culvert KYHL-93 Design Table)</b> , and Section 605 with the following exceptions and additions:
<b>Subsection:</b>	613.03.01 Design.
<b>Number:</b>	2)
<b>Revision:</b>	Replace "AASHTO Standard Specifications for Highway Bridges" with "AASHTO LRFD Bridge Design Specifications"
<b>Subsection:</b>	615.06.02
<b>Revision:</b>	Add the following sentence to the end of the subsection. The ends of units shall be normal to walls and centerline except exposed edges shall be beveled $\frac{3}{4}$ inch.
<b>Subsection:</b>	615.06.03 Placement of Reinforcement in Precast 3-Sided Units.
<b>Revision:</b>	Replace the reference of 6.6 in the section to 615.06.06.
<b>Subsection:</b>	615.06.04 Placement of Reinforcement for Precast Endwalls.
<b>Revision:</b>	Replace the reference of 6.7 in the section to 615.06.07.
<b>Subsection:</b>	615.06.06 Laps, Welds, and Spacing for Precast 3-Sided Units.
<b>Revision:</b>	Replace the subsection with the following: Tension splices in the circumferential reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. The overlap of welded wire fabric shall be measured between the outer most longitudinal wires of each fabric sheet. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. For splices other than tension splices, the overlap shall be a minimum of 12" for welded wire fabric or deformed billet-steel bars. The spacing center to center of the circumferential wires in a wire fabric sheet shall be no less than 2 inches and no more than 4 inches. The spacing center to center of the longitudinal wires shall not be more than 8 inches. The spacing center to center of the longitudinal distribution steel for either line of reinforcing in the top slab shall be not more than 16 inches.



**Supplemental Specifications to the  
Standard Specifications for Road and Bridge Construction, 2012 Edition  
Effective with the June 14, 2013 Letting**

<b>Subsection:</b>	615.06.07 Laps, Welds, and Spacing for Precast Endwalls.
<b>Revision:</b>	Replace the subsection with the following: Splices in the reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. The spacing center-to-center of the wire fabric sheet shall not be less than 2 inches or more than 8 inches.
<b>Subsection:</b>	615.08.01 Type of Test Specimen.
<b>Revision:</b>	Replace the subsection with the following: Start-up slump, air content, unit weight, and temperature tests will be performed each day on the first batch of concrete. Acceptable start-up results are required for production of the first unit. After the first unit has been established, random acceptance testing is performed daily for each 50 yd <sup>3</sup> (or fraction thereof). In addition to the slump, air content, unit weight, and temperature tests, a minimum of one set of cylinders shall be required each time plastic property testing is performed.
<b>Subsection:</b>	615.08.02 Compression Testing.
<b>Revision:</b>	Delete the second sentence.
<b>Subsection:</b>	615.08.04 Acceptability of Core Tests.
	Delete the entire subsection.
<b>Subsection:</b>	615.12 Inspection.
<b>Revision:</b>	Add the following sentences to the end of the subsection: Units will arrive at jobsite with the "Kentucky Oval" stamped on the unit which is an indication of acceptable inspection at the production facility. Units shall be inspected upon arrival for any evidence of damage resulting from transport to the jobsite.
<b>Subsection:</b>	814.04.02 Timber Guardrail Posts.
<b>Revision:</b>	Third paragraph, replace the reference to "AWPA C14" with "AWPA U1, Section B, Paragraph 4.1".
<b>Subsection:</b>	814.04.02 Timber Guardrail Posts.
<b>Revision:</b>	Replace the first sentence of the fourth paragraph with the following: Use any of the species of wood for round or square posts covered under AWPA U1.
<b>Subsection:</b>	814.04.02 Timber Guardrail Posts.
<b>Revision:</b>	Fourth paragraph, replace the reference to "AWPA C2" with "AWPA U1, Section B, Paragraph 4.1".
<b>Subsection:</b>	814.04.02 Timber Guardrail Posts.
<b>Revision:</b>	Delete the second sentence of the fourth paragraph.
<b>Subsection:</b>	816.07.02 Wood Posts and Braces.
<b>Revision:</b>	First paragraph, replace the reference to "AWPA C5" with "AWPA U1, Section B, Paragraph 4.1".
<b>Subsection:</b>	816.07.02 Wood Posts and Braces.
<b>Revision:</b>	Delete the second sentence of the first paragraph.

**Supplemental Specifications to the  
Standard Specifications for Road and Bridge Construction, 2012 Edition  
Effective with the June 14, 2013 Letting**

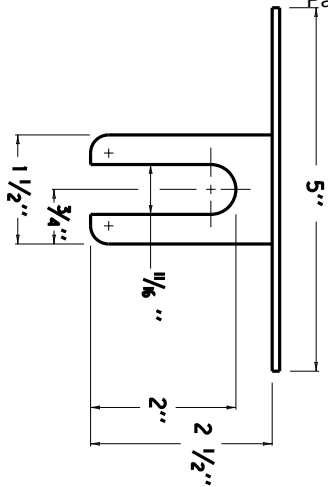
<b>Subsection:</b>	818.07 Preservative Treatment.
<b>Revision:</b>	First paragraph, replace all references to "AWPA C14" with "AWPA U1, Section A".

2012 STANDARD DRAWINGS THAT APPLY

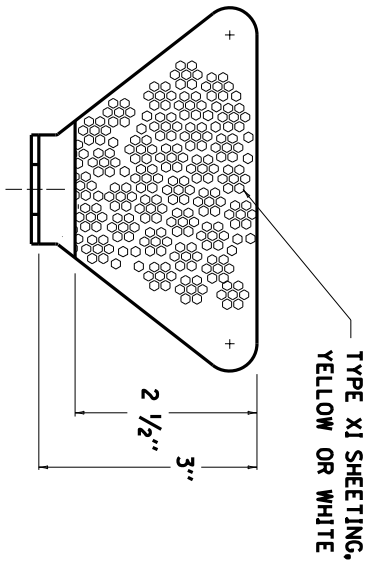
TYPICAL GUARDRAIL INSTALLATIONS .....	RBI-001-10
TYPICAL GUARDRAIL INSTALLATIONS .....	RBI-002-06
INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1.....	RBI-004-04
GUARDRAIL TERMINAL SECTIONS .....	RBR-010-05
GUARDRAIL POSTS.....	RBR-015-04
GUARDRAIL POSTS.....	RBR-016-04
GUARDRAIL END TREATMENT TYPE 1 .....	RBR-020-05
GUARDRAIL END TREATMENT TYPE 3 .....	RBR-030-04
GUARDRAIL END TREATMENT TYPE 7 .....	RBR-050-06
MISCELLANEOUS STANDARDS PART 1 .....	RGX-001-05
LANE CLOSURE TWO-LANE HIGHWAY CASE I.....	TTC-100-03
LANE CLOSURE TWO-LANE HIGHWAY CASE II .....	TTC-105-02
SHOULDER CLOSURE.....	TTC-135-01
POST SPLICING DETAIL.....	TTD-110-01

NOTES

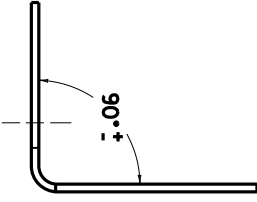
1. THE DELINEATOR'S SHAPE AND DIMENSIONS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY. TYPES OF DELINEATORS PERMITTED SHALL BE FROM THE LIST OF APPROVED MATERIALS.
2. DELINEATOR SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR ONE COMPLETE INSTALLATION.
3. CODE  
1982 DELINEATOR FOR GUARDRAIL - MONO DIRECTIONAL WHITE  
1983 DELINEATOR FOR GUARDRAIL - MONO DIRECTIONAL YELLOW  
1987 DELINEATOR FOR GUARDRAIL - BI-DIRECTIONAL WHITE  
PAY ITEM  
1982 DELINEATOR FOR GUARDRAIL - MONO DIRECTIONAL WHITE  
1983 DELINEATOR FOR GUARDRAIL - MONO DIRECTIONAL YELLOW  
1987 DELINEATOR FOR GUARDRAIL - BI-DIRECTIONAL WHITE  
EACH  
EACH  
EACH  
PAY UNIT
4. GUARDRAIL DELINEATORS SHALL BE REQUIRED ON ALL GUARDRAIL.
5. DELINEATORS SHALL BE MANUFACTURED FROM 12 GA. GALVANIZED STEEL.
6. DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MANUFACTURER'S TOLERANCES.
7. WHEN CONCRETE BARRIERS EXTEND ACROSS BRIDGE STRUCTURES IN LIEU OF STEEL BEAM GUARDRAIL, DELINEATORS SHALL BE INSTALLED AT SAME VERTICAL ALIGNMENT AS ON THE GUARDRAIL, AND DELINEATORS SHALL COMPLY WITH CURRENT SEP1A DRAWING 004.
8. DELINEATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.



PLAN VIEW

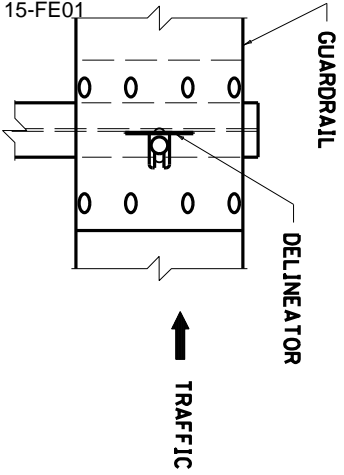


FRONT VIEW

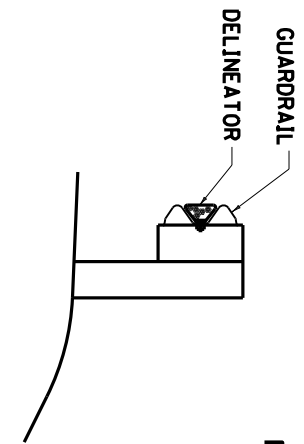


SIDE VIEW

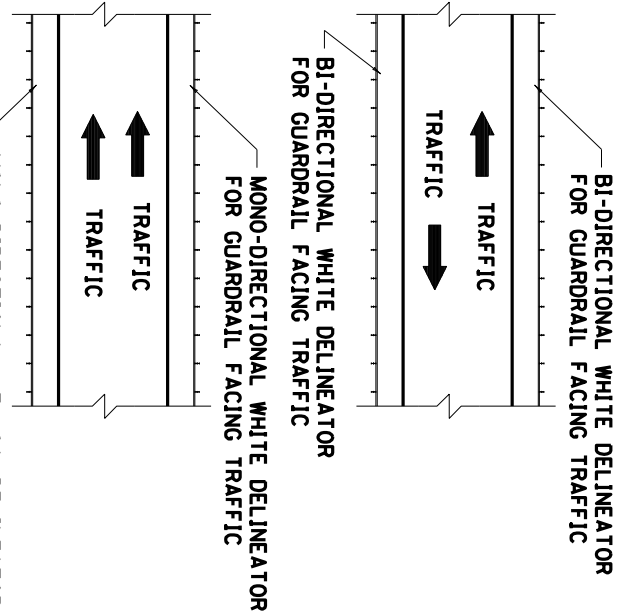
NOTE: DIMENSIONS SHOWN ARE FOR ONE VERSION OF A WEB-MOUNTED GUARDRAIL DELINEATOR. DELINEATORS WITH ALTERNATE DIMENSIONS MAY BE CONSIDERED FOR INCLUSION ON THE APPROVED PRODUCTS LIST.



FRONT VIEW



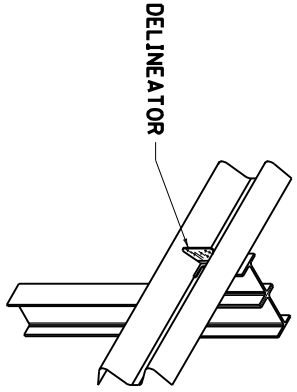
SIDE VIEW



PLACEMENT OF DELINEATORS FOR GUARDRAIL

APPROXIMATE DELINEATOR SPACING	
TANGENT	100'
CURVE	50'

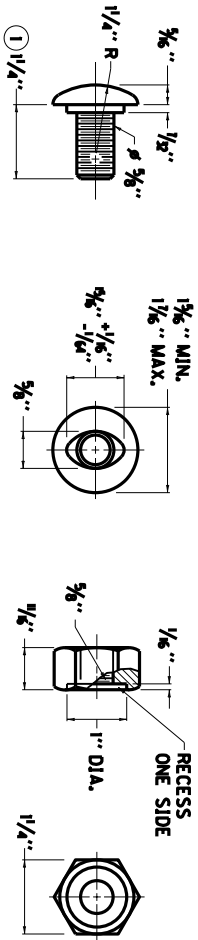
SPACING SHOULD BE ADJUSTED IN CURVES SO THAT SEVERAL DELINEATORS ARE ALWAYS SIMULTANEOUSLY VISIBLE TO THE ROAD USER.



ISOMETRIC VIEW

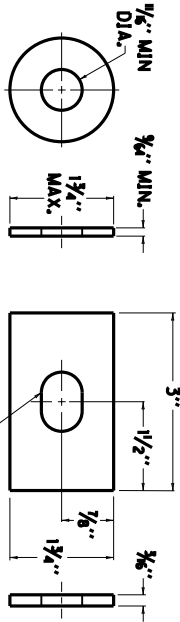
KENTUCKY DEPARTMENT OF HIGHWAYS
DELINATORS FOR GUARDRAIL

SUBMITTED  6-15-2012  
DATE  
DIRECTOR DIVISION OF DESIGN



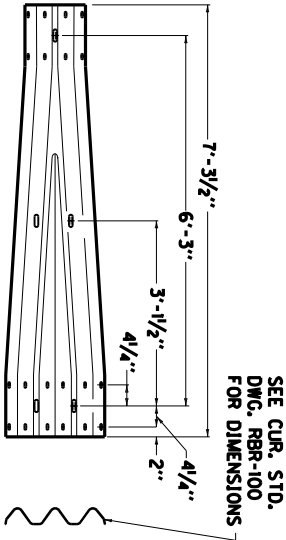
3/8" BUTTON HEAD BOLT AND RECESSED NUT

- NOTES**
- 1 RAIL BOLT SIMILAR EXCEPT LENGTH.
  - 2 THE THREE BEAM TO "W" BEAM CONNECTOR SHALL COMPLY WITH AASHTO M-180 CLASS A, TYPE 2 EXCEPT WHERE IN CONFLICT WITH THIS DETAIL.



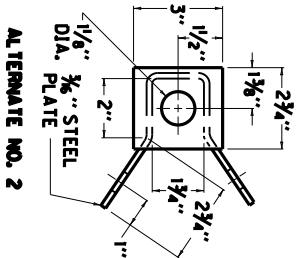
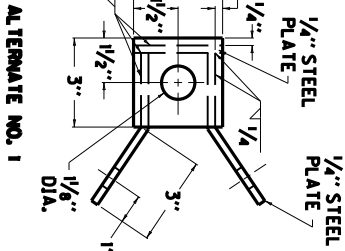
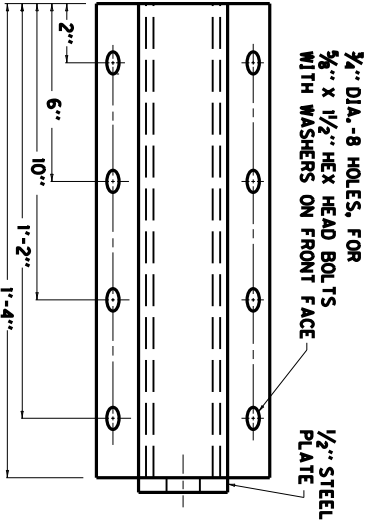
ROUND WASHER AND RECTANGULAR PLATE WASHER

SEE CUR. STD.  
DWG. RBR-001  
FOR DIMENSIONS




SEE CUR. STD.  
DWG. RBR-100  
FOR DIMENSIONS

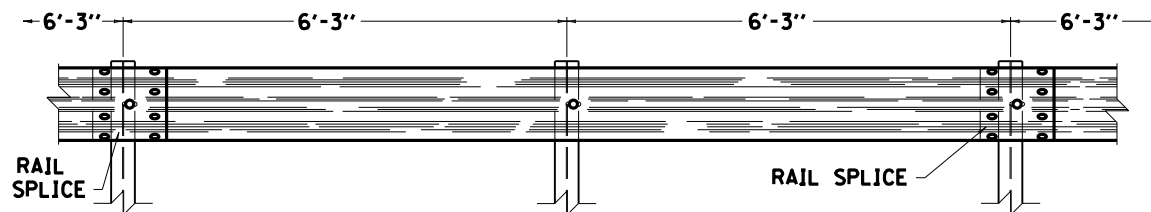
THREE BEAM TO "W" BEAM CONNECTOR 2



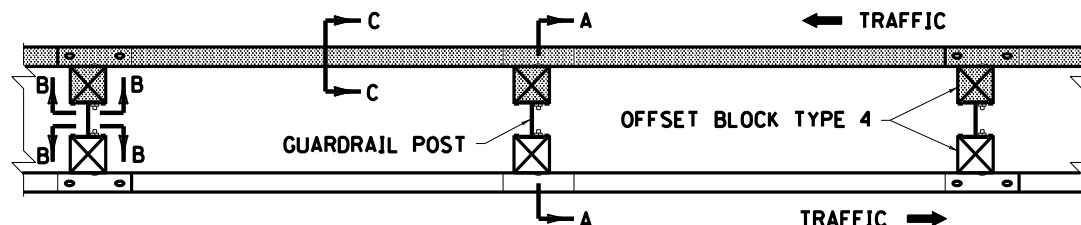
RAIL ANCHOR ASSEMBLY

KENTUCKY DEPARTMENT OF HIGHWAYS	
GUARDRAIL COMPONENTS	
SUBMITTED: 	DATE: 6-15-2012
TECHNICAL DIVISION OF DESIGN	008

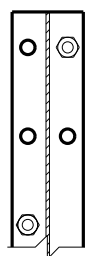
COUNTY OF	ITEM NO.	SHEET NO.



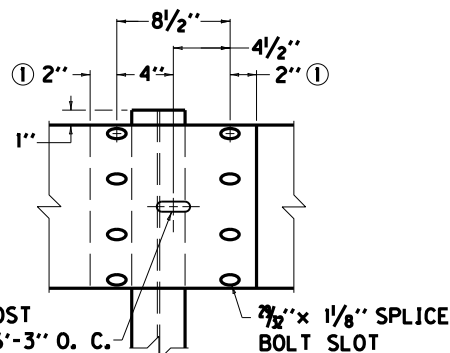
**ELEVATION VIEW**



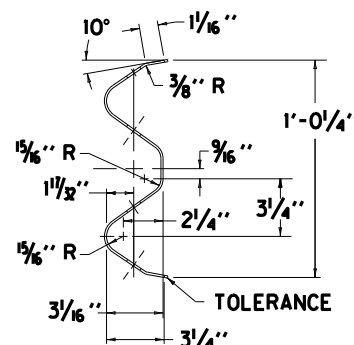
**PLAN VIEW**  
 (DOUBLE FACE RAIL OR SINGLE FACE RAIL)



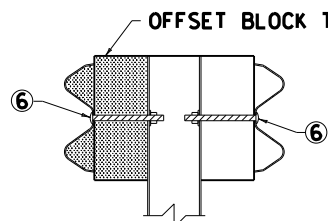
**SECTION B-B**



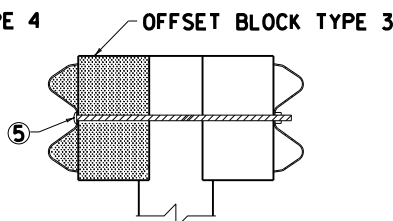
**RAIL SPLICE ②**



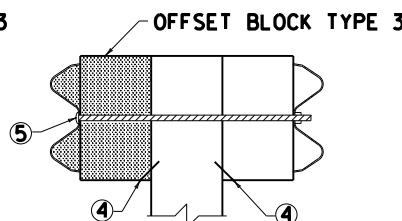
**SECTION C-C**  
 (RAIL CORRUGATED  
 SHEET STEEL BEAM)



**SECTION A-A**  
 DOUBLE FACE RAIL WITH  
 STEEL POST (W6x9 )  
 (TIMBER OFFSET BLOCK )



**SECTION A-A**  
 DOUBLE FACE RAIL WITH  
 ROUND TIMBER POST



**SECTION A-A**  
 DOUBLE FACE RAIL WITH  
 TIMBER POST

## NOTES

THE CONTRACT UNIT PRICE BID SHALL BE:  
 GUARDRAIL-STEEL W BEAM-SINGLE FACE - LIN. FT.

OR

GUARDRAIL-STEEL W BEAM-DOUBLE FACE - LIN. FT.

DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.

THE RAIL ELEMENT SHALL COMPLY WITH AASHTO M-180 -CLASS A, TYPE II.

ALL LAPS SHALL BE PLACED IN THE DIRECTION OF TRAFFIC FLOW.

- ① TOLERANCE + 1/4", -1/4"
- ② 8 -5/8"x 1/4" LONG BUTTON HEAD BOLTS AND HEX HEAD RECESS NUTS REQUIRED FOR EACH RAIL SPLICE.
- ③ LENGTH EQUALS POST AND BLOCK WIDTH PLUS: 2" FOR BOLT OR 2 1/4" FOR THREADED ROD.
- ④ GALVANIZED STEEL 10d COMMON COATED NAIL (DRIVE NAIL AT THE TOP OR BOTTOM CENTER OF BLOCK AND POST AFTER BOLT IS INSTALLED).
- ⑤ 5/8"x ③ STEEL THREADED ROD AND TWO (2) HEX HEAD NUTS OR 5/8"x ③ BUTTON OR HEX HEAD BOLT AND HEX HEAD NUT.
- ⑥ 5/8"x8" BUTTON HEAD BOLT, HEX HEAD RECESS NUT AND ONE 5/8" ROUND WASHER (TYP.). BOLT SHALL HAVE A MINIMUM THREAD LENGTH OF 2".  
 [Hatched Box Symbol] REQUIRED FOR DOUBLE RAIL

- 7 BOTH 12'-6" AND 25' LENGTHS OF "W" BEAM GUARDRAIL SECTIONS WILL BE PERMITTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

KENTUCKY  
 DEPARTMENT OF HIGHWAYS

**STEEL BEAM  
 GUARDRAIL  
 ("W" BEAM )**

SUBMITTED: *J. L. Lail*  
 DIRECTOR DIVISION OF DESIGN

12-11-12  
 DATE

## **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**

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**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**

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**



Section: 0001 - GUARDRAIL

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	155.00	EACH		\$	
0020	02383		REMOVE & RESET GUARDRAIL	7,712.50	LF		\$	
0030	02562		TEMPORARY SIGNS	750.00	SQFT		\$	
0040	02650		MAINTAIN & CONTROL TRAFFIC(KY 70)	1.00	LS		\$	
0050	02650		MAINTAIN & CONTROL TRAFFIC(US 231)	1.00	LS		\$	
0060	02650		MAINTAIN & CONTROL TRAFFIC(KY 3545)	1.00	LS		\$	
0070	02650		MAINTAIN & CONTROL TRAFFIC(KY 100)	1.00	LS		\$	
0080	02650		MAINTAIN & CONTROL TRAFFIC(KY 106)	1.00	LS		\$	
0090	20257NC		SITE PREPARATION(KY 70)	1.00	LS		\$	
0100	20257NC		SITE PREPARATION(KY 3545)	1.00	LS		\$	
0110	20257NC		SITE PREPARATION(KY 100)	1.00	LS		\$	
0120	20257NC		SITE PREPARATION(KY 106)	1.00	LS		\$	
0130	24096EC		REMOVE AND RESET END TREATMENT	21.00	EACH		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0140	02569		DEMOBILIZATION	1.00	LS		\$	