



**CALL NO. 316**

**CONTRACT ID. 182404**

**GRAYSON COUNTY**

**FED/STATE PROJECT NUMBER FE06 0043 0088 011-013**

**DESCRIPTION PEONIA ROAD (KY 88)**

**WORK TYPE GUARDRAIL**

**PRIMARY COMPLETION DATE 6/30/2019**

**LETTING DATE: December 07,2018**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME December 07,2018. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

**NO PLANS ASSOCIATED WITH THIS PROJECT.**

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

## TABLE OF CONTENTS

PART I	SCOPE OF WORK
	<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>• DGA BASE</li><li>• DGA BASE FOR SHOULDERS</li><li>• SPECIAL NOTE(S) APPLICABLE TO PROJECT</li><li>• WASTE AND BORROW SITES</li><li>• COORDINATION OF WORK WITH OTHER CONTRACTS</li><li>• SHOULDER PREPARATION</li><li>• TYPICAL SECTION DIMENSIONS</li><li>• TRAFFIC CONTROL PLAN</li><li>• SKETCH MAP(S)</li><li>• SUMMARY SHEET(S)</li><li>• TYPICAL SECTION(S)</li><li>• DETAIL SHEET(S)</li><li>• GUARDRAIL DELIVERY VERIFICATION SHEET</li></ul>
PART II	SPECIFICATIONS AND STANDARD DRAWINGS
	<ul style="list-style-type: none"><li>• SPECIFICATIONS REFERENCE</li><li>• SUPPLEMENTAL SPECIFICATION</li><li>• 2016 STANDARD DRAWINGS THAT APPLY</li><li>• TYPICAL GUARDRAIL INSTALLATIONS</li><li>• INSTALLATION OF GUARDRAIL END TREATMENT TYPE I</li><li>• STEEL BEAM GUARDRAIL ("W" BEAM)</li><li>• STEEL GUARDRAIL POSTS</li><li>• GUARDRAIL END TREATMENT TYPE I</li><li>• GUARDRAIL END TREATMENT TYPE 7 ALTERNATE ANCHOR</li><li>• DELINEATORS FOR GUARDRAIL</li><li>• GUARDRAIL END TREATMENT TYPE 7</li></ul>
PART III	EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
	<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 / STATE</li><li>• PROJECT WAGE RATES / STATE</li></ul>
PART IV	INSURANCE
PART V	BID ITEMS

**PART I**  
**SCOPE OF WORK**

## ADMINISTRATIVE DISTRICT - 04

**CONTRACT ID - 182404**

**FE06 0043 0088 011-013**

**COUNTY - GRAYSON**

**PCN - MP04300881801**

**FE06 0043 0088 011-013**

PEONIA ROAD (KY 88) (MP 11.670) FROM ENTRANCE TO IBERIA BOAT RAMP EXTENDING EAST TO 0.187 MILES  
WEST OF OLD WAX ROAD (MP 12.275), A DISTANCE OF 0.61 MILES.GUARDRAIL  
GEOGRAPHIC COORDINATES LATITUDE 37:21:51.00 LONGITUDE 86:09:06.00

**COMPLETION DATE(S):**

COMPLETED BY 06/30/2019

SPECIFIED COMPLETION DATE -  
ALL ITEMS IN 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 electronic bidding software. 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 shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. When prescribed in said directives, the contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom shall be contacted through their individual Protection Notification Center. Non-compliance with these directives can result in the enforcement of penalties.

### **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 US Department of Agriculture has imposed a quarantine in Kentucky and several surrounding states, to prevent the spread of an invasive insect, the emerald ash borer. Hardwood cut in conjunction with the project may not be removed from the state. Chipping or burning on site is the preferred method of disposal.

#### **INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES**

Identification of excess material sites and borrow sites shall be the responsibility of the Contractor. The Contractor shall be responsible for compliance with all applicable state and federal laws and may wish to consult with the US Fish and Wildlife Service to seek protection under Section 10 of the Endangered Species Act for these activities.

#### **ACCESS TO RECORDS**

The contractor, as defined in KRS 45A.030 (9) agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this contract for the purpose of financial audit or program review. Records and other prequalification information confidentially

disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and shall be exempt from disclosure as provided in KRS 61.878(1)(c). The contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884.

In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration Cabinet shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004.

April 30, 2018

## **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 electronic bidding software. Submittal of the Affidavit should be done along the bid in Bid Express.

April 30, 2018



**DGA BASE**

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 lbs/sy per inch of depth.

**DGA BASE FOR SHOULDERS**

Unless otherwise noted, the Department estimates the rate of application for DGA Base for Shoulders to be 115 lbs/sy per inch of depth. The Department will not measure necessary grading and/or shaping of existing shoulders prior to placing of DGA Base, but shall be incidental to the Contract unit price per ton for DGA Base.

Accept payment at the Contract unit price per ton as full compensation for all labor, materials, equipment, and incidentals for grading and/or shaping of existing shoulders and furnishing, placing, and compacting the DGA Base.

## **SPECIAL NOTES FOR DRAINAGE**

### **FE06 025 0015 011-013**

---

Except as provided herein, perform all drainage work in accordance with the Department's 2012 Standard Specifications, interim Supplemental Specifications, Standard and Sepia Drawings, and Special Notes and Special Provisions, current editions. Article references are to the Standard Specifications. The drainage work shall consist of furnishing all labor, equipment, materials, and incidentals for the following:

(1) Maintaining and Controlling Traffic; (2) Constructing culvert pipe and metal end sections; (3) Excavation and Embankment; (4) Erosion Control; and (5) any other work as specified by this contract.

## **II. MATERIALS**

Provide for sampling and testing of all materials in accordance with the Department's Sampling Manual. Make materials 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. Site Preparation.** Use suitable excavated earth materials, approved by the Engineer, aerated to proper moisture content prior to use. If necessary, obtain additional embankment from borrow sites off the Right-of-Way obtained by the Contractor at no additional cost to the Department.

**C. Erosion Control.** See Special Note for Erosion Control.

**D. Pipe.** Furnish culvert pipe meeting the requirements of Section 810. Select pipe for pH range Medium and minimum fill cover height according to Standard Drawings RDI-001-10 and RDI-035-02.

**E. Metal End Section.** See Standard Drawing RDB-150-02.

## **III. CONSTRUCTION METHODS**

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

**B. Erosion Control.** See Special Note for Erosion Control.

**C. Site Preparation.** Be responsible for all site preparation, including but not limited to clearing and grubbing, and incidental excavation and backfilling; roadway excavation, structure excavation, and embankment; removal of any obstructions; restoration of slopes,

Drainage  
FE06 025 0015 011-013  
Page 2 of 4

ditches, and all disturbed areas; final dressing and cleanup; and disposal of materials. Clear and grub only the minimum areas required to perform the other items of work; the Department has not determined the acreage of clearing and grubbing and the bidder must draw his own conclusions. Perform all site preparation only as approved or directed by the Engineer. Limit staging areas within the right of way to sites permitted by the Engineer. Waste excavated materials not suitable for embankment and excess excavation at sites off the Right of Way obtained by the Contractor at no additional cost to the Department (See Special Note for Waste and Borrow).

Immediately prior to completion, clean all new culvert pipe and clean ditches as designated by the Engineer. Provide positive drainage of pavement, shoulders, slopes, and ditches at all times during and upon completion of construction.

**D. Culvert Pipe and Metal End Section.** Construct culvert pipe and metal end section as shown on the standard drawings. Prior to backfilling, obtain the Engineer's approval of final length, centerline, flow line, and skew to obtain the best fit of the existing ditches and channels and proposed slopes. Construct pipe bedding according to Section 701 and the applicable Standard or Sepia Drawings. Use approved connecting bands, sleeves, and/or concrete anchors as required. Provide Positive drainage during and upon completion of pipe installation.

**E. Pipe Backfill.** Backfill the pipe according to Section 701.03.06.

**F. Embankments.** After backfilling pipe, construct embankment over pipe and widened shoulder embankments according to Section 206 as shown on the detail drawings and as directed by the Engineer. Provide positive drainage of slopes and ditches at all times during and upon completion of construction.

**G. Final Dressing, Clean Up, Seeding and Protection, and Restoration.** After all work is completed, remove all waste and debris from the job site (see Special Note for Waste and Borrow). Grade all disturbed areas to blend with the adjacent roadway features and to provide a suitable seed bed. Perform Class A Final dressing on all disturbed areas. Seed and protect all disturbed earthen areas according to the Special Notes for Erosion Control.

**H. Property Damage.** Be responsible for all damage to public and/or private property resulting from the work. Repair or replace damaged roadway features in like kind materials and design as directed by the Engineer at no additional cost to the Department. Repair or replace damaged private property in like kind materials and design to the satisfaction of the owner and the Engineer at no additional cost to the Department.

**I. Disposal of Waste.** Dispose of all debris, excess and unsuitable excavation, and all other waste at sites off the right of way obtained by the Contractor at no additional cost to the Department (see Special Note for Waste and Borrow).

Drainage  
FE06 025 0015 011-013  
Page 3 of 4

**J. On-Site Inspection.** Before submitting a bid for the work, make a thorough inspection of the site and determine existing conditions so that the work can be expeditiously performed after a contract is awarded. The Department will consider submission of a bid to be evidence of this inspection having been made. The Department will not honor any claims for money or time extension resulting from site conditions.

**K. Right-of-Way Limits.** The Department has not determined exact Right-of-Way limits. Limit work activities and operations to obvious existing Right-of-Way and Permanent Easements, and work areas secured by the Department through consent and release of the adjacent property owners. Be responsible for encroachments onto private lands. Secure staging areas off the Right-of-Way, if required, at no additional cost to the Department.

**L. Utility Clearance.** Work around and do not disturb existing utilities. The Department does not anticipate that utilities will require relocation; however, if utility relocation is required, the utility companies will work concurrently with the Contractor while relocating their facilities.

**M. Caution.** Consider the information in this proposal, shown on the plans, and the type of work listed herein to be approximate only and not to be taken as an accurate evaluation of the materials and conditions to be encountered during construction; the bidder must draw his own conclusions. The Department does not give any guarantee as to the accuracy of the data and no claim for money or time extension will be considered if the conditions encountered are not in accordance with the information shown.

**N. Control.** Perform all work under the absolute control of the Department of Highways. Obtain the Engineer's approval of all designs required to be furnished by the Contractor prior to incorporation into the work. The Department reserves the right to have other work performed by other contractors and its own forces and to permit public utility companies and others to do work during the construction within the limits of, or adjacent to, the project. Conduct operations and cooperate with such other parties so that interference with such other work will be reduced to a minimum. The Department will not honor any claims for money or time extension created by the operations of such other parties.

Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to, the project, the Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and his decision shall be final and binding upon the Contractor.

Drainage  
FE06 025 0015 011-013  
Page 4 of 4

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

The Department will measure only the bid items listed for payment. The Department will consider all other items required to complete the work incidental to the listed items.

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

**B. Site Preparation.** Other than the bid items listed, the Department will not measure Site Preparation.

**C. Erosion Control.** See Special Note for erosion Control.

**D. Culvert Pipe.** See Section 701.04.03

**E. Metal End Section.** See Standard Drawing RDB-150-02.

#### **V. BASIS OF PAYMENT**

The department will not make direct payment other than for the bid items listed. The Department will consider payment for all other items required to complete the work incidental to the listed items

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

**B. Culvert Pipe.** See Section 701.05

**C. Metal End Section.** See Standard Drawing RDB-150-02.

**D. Erosion Control.** See Special Note for erosion Control.

## **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

**COORDINATION OF WORK WITH OTHERS**  
**FE06 043 0088 -011-013**

---

Be advised, there may be active project(s) adjacent to or within this project. These may be KYTC administered contracts, work being performed as part of a KYTC issued encroachment permit, or work being performed by Department forces. The Engineer will coordinate the work of the Contractor and others within the limits of this project. See Sections 105.06, 107.06 and 107.14.

**SPECIAL NOTE FOR SHOULDER PREPARATION**  
**FE06 043 088 011-013**

---

Grade, shape, and compact shoulders, adding additional materials, as shown on the typical section and as directed by the Engineer to provide proper template and foundation for the guardrail. The Department will not measure grading, shaping, and compacting shoulders for separate payment, but shall be incidental to the DGA placed on the shoulder.



### **SPECIAL NOTE FOR TYPICAL SECTION DIMENSIONS**

Consider the dimensions shown on the typical sections for pavement and shoulder widths and thickness' to be nominal or typical dimensions. The Engineer may direct or approve varying the actual dimensions to be constructed to fit existing conditions. Do not widen existing pavement or shoulders unless specified elsewhere in this proposal or directed by the engineer.

1-3725 Typical Section Dimensions  
01/02/2012

## **TRAFFIC CONTROL PLAN**

### **FE06 043 0088 011-013**

---

#### **TRAFFIC CONTROL GENERAL**

Except as provided herein, maintain and control traffic in accordance with the 2012 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**

Maintain alternating one-way traffic during construction. Provide a minimum clear lane width of ten (10) feet; however, provide for passage of vehicles of up to 16 feet in width. If traffic is 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 & SHOULDER CLOSURES**

The Engineer may specify days and hours when lane closures will not be allowed. Do not leave lane closures in place during non-working hours. Protect partially completed guardrail installations with a shoulder closure during non-working hours. Do not store materials or equipment on shoulders during non-working hours.

#### **SIGNS**

The Engineer may require additional signing and/or traffic control devices in addition to the items shown on the Standard Drawings. Provide sign posts and splices compliant with NCHRP 350 or MASH. Provide manufacturer's documentation validating this compliance to the Engineer prior to installation. Install signs, including any splices, according to manufacturer's specifications and installation recommendations. Contrary to section 112.04.02, the Department will measure only long term signs (signs intended to be continuously in place for more than 3 days) for payment. The Department will not measure; short term signs (signs intended to be left in place for 3 days or less) for payment, but shall be incidental to Maintain and Control Traffic. Contrary to Section 112.04.02, the Department will measure individual signs only once for payment, regardless of how many times they are erected or relocated. The Department will not measure replacements for damaged signs directed by the Engineer to be replaced due to poor condition or reflectivity.

Traffic Control Plan  
FE06 043 0088 011-013  
Page 2 of 2

### **CHANGEABLE MESSAGE SIGNS**

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

### **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.

### **PAVEMENT EDGE DROP-OFFS**

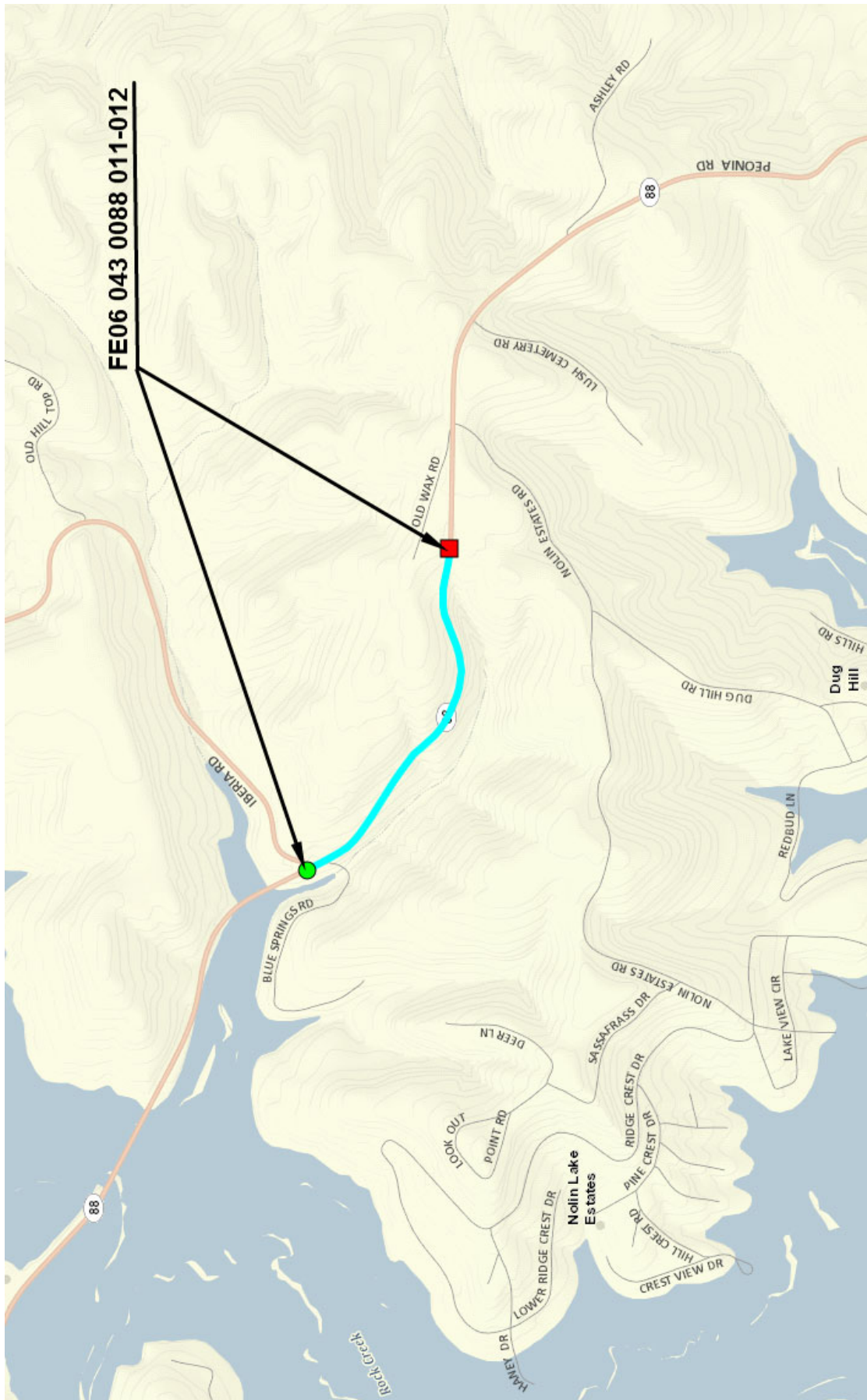
Protect pavement edges that traffic is not expected to cross, except accidentally, as follows:

2" or less – No protection required.

Greater than 2" – Protect drop-offs greater the 2 inches within 10 feet of traffic with a shoulder closure.

Pedestrians & Bicycles - Protect pedestrian and bicycle traffic as directed by the Engineer.

# GRAYSON COUNTY



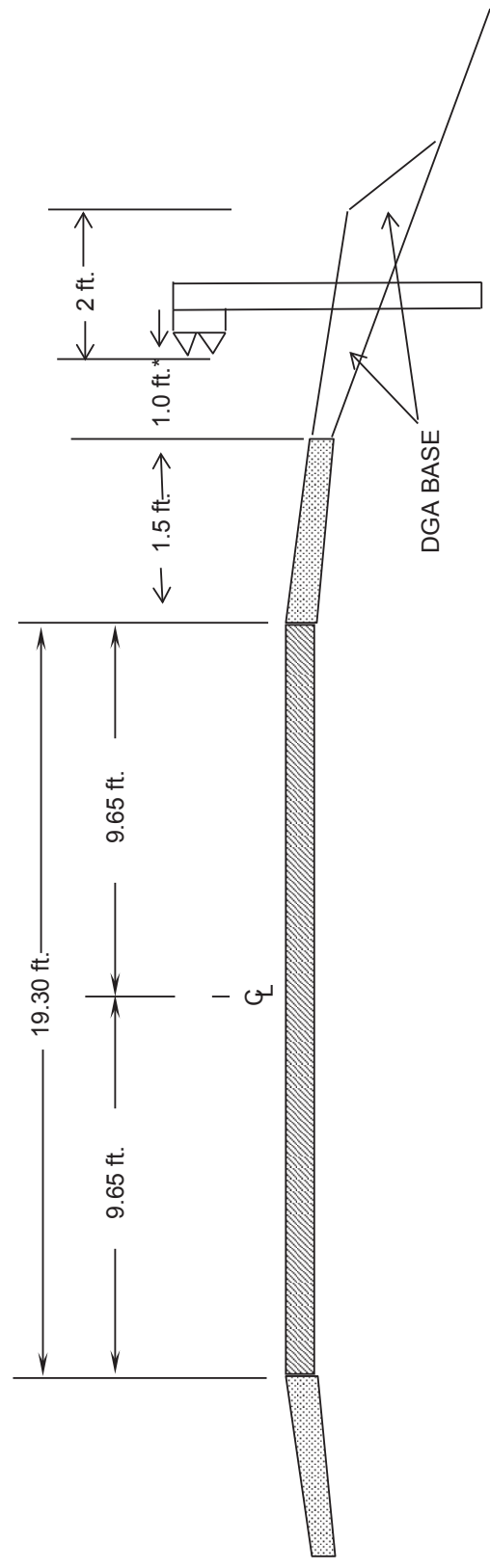
**GUARDRAIL SUMMARY**  
**FE06 043 0088 011-013**

INSTALL GUARDRAIL-STEEL W BEAM-SINGLE FACE										REMOVE GUARDRAIL			
LANE	END TREATMENT	BEGIN MILEPOINT	END MILEPOINT	END TREATMENT	SINGLE FACE (LF)	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LENGTH (LF)	REMARKS		
EAST BOUND	TIE TO EXISTING	11.670	11.693	RADIUS & TERM SECT NO. 1	125.0	RADIUS AT IBERIA BOAT RAMP	EAST BOUND	11.670	11.673	25	2 SECTIONS RAIL & 1 TERM SECT		
EAST BOUND	RADIUS & TERM SECT NO. 1	11.693	11.785	TYPE 3	487.5	RADIUS AT BLUE SPRINGS ROAD							
EAST BOUND	Type 1	11.847	12.275	Type 7	2,262.5								
<b>TOTALS</b>					<b>2,875.0</b>								

- END TREATMENT TYPE TYPE 1      1 Each (Furnished by Contractor)
- END TREATMENT TYPE TYPE 3      1 Each (Furnished by Contractor)
- END TREATMENT TYPE TYPE 7      1 Each (Furnished by Contractor)
- TERMINAL SECTION NO. 1          2 Each (Furnished by Contractor)

### TYPICAL SECTION

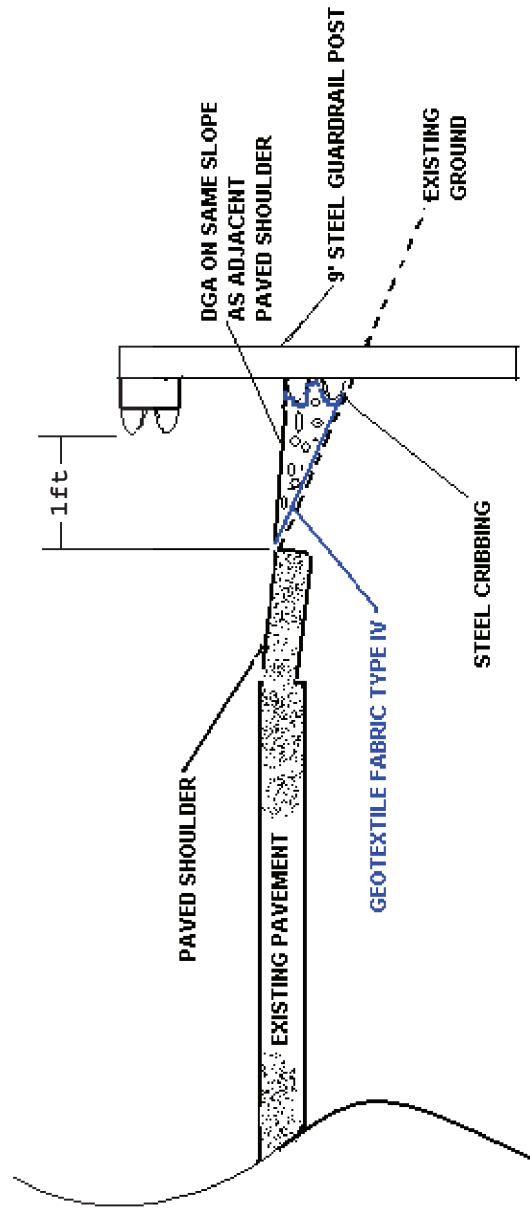
FE06 043 0088 011 013  
MILEPOINT 11.670 -12.275

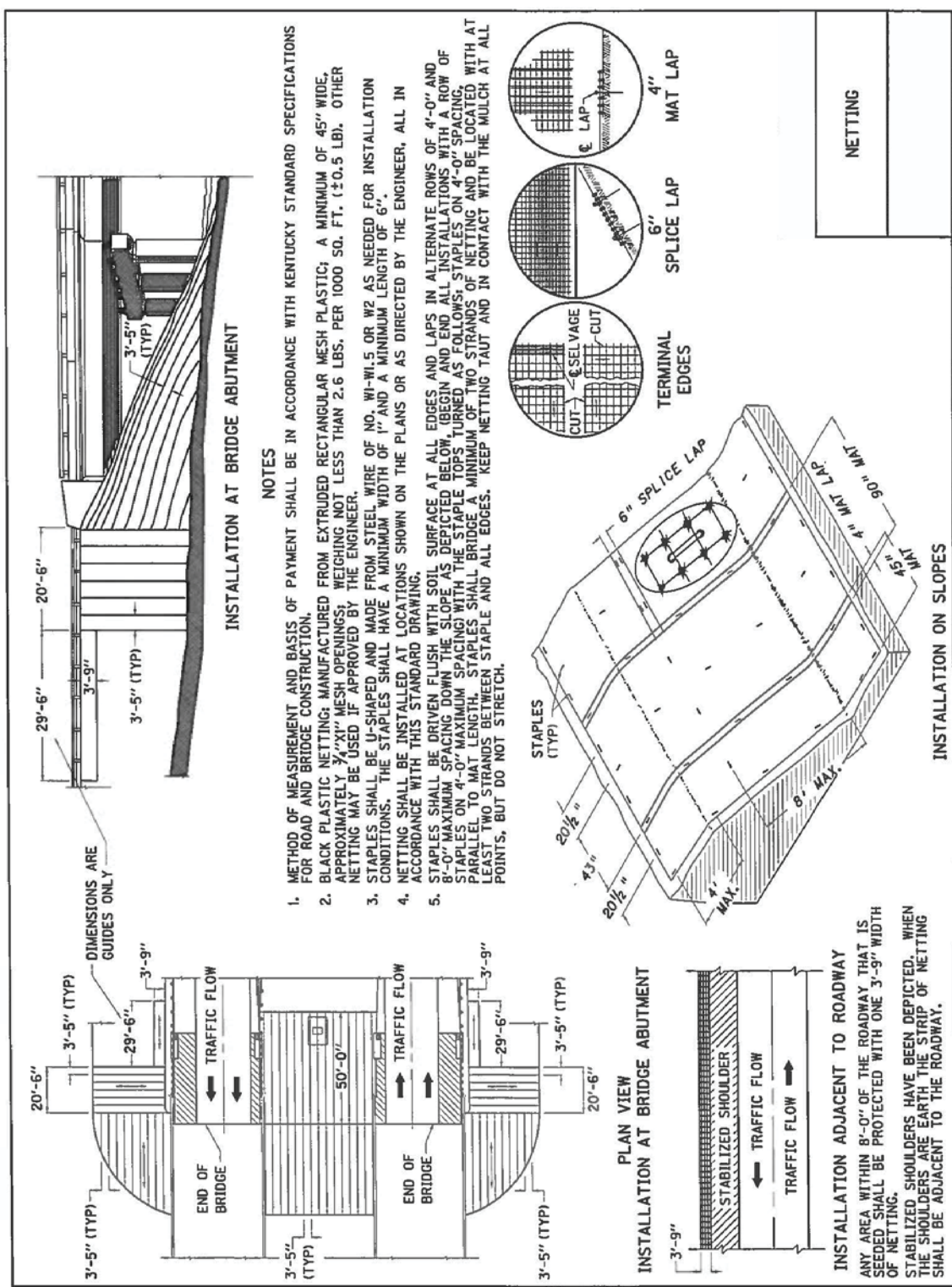


Install Guardrail Face 1.0' minimum from edge of pavement or as directed by the Engineer.

- 1.) Grade, shape and compact shoulder as shown or as directed by the Engineer. Incidental to DGA, guardrail and end treatments.
- 2.) Install cribbing at approximate mile point 12.0 or as directed by the Engineer.
- 3.) Grade and shape ditch to install 18" culvert pipe for type 3 ET. Incidental to pipe.

# GUARDRAIL SYSTEM WITH CRIBBING







**GUARDRAIL DELIVERY VERIFICATION SHEET**  
**FE06 043 0088 011-012**

DESCRIPTION	UNIT	QUANTITIES	
		FIELD VERIFIED	DELIVERED
GUARDRAIL STEEL W BEAM	LF		
GUARDRAIL STEEL THRIE BEAM	LF		
GUARDRAIL THRIE BEAM-W BEAM CONNECTOR	EA		
GUARDRAIL TERMINAL SECTION No. 1	EA		
GUARDRAIL TERMINAL SECTION No. 2	EA		
GUARDRAIL TERMINAL SECTION No. 3	EA		
GUARDRAIL THRIE BEAM TERMINAL SECTION	EA		
CRASH CUSHION TYPE VI	EA		
CRASH CUSHION TYPE VII	EA		
CRASH CUSHION TYPE IX/IX-A	EA		
GUARDRAIL END TREATMENT TYPE 1	EA		
GUARDRAIL END TREATMENT TYPE 2A	EA		
GUARDRAIL END TREATMENT TYPE 3	EA		
GUARDRAIL END TREATMENT TYPE 4A	EA		
GUARDRAIL END TREATMENT TYPE 7	EA		
GUARDRAIL CONNECTOR TO BRIDGE END TYPE A/A-1	EA		
GUARDRAIL CONNECTOR TO BRIDGE END TYPE E/E-1	EA		
GUARDRAIL CONNECTOR TO BRIDGE END TYPE C	EA		
GUARDRAIL CONNECTOR TO BRIDGE END TYPE D	EA		
GUARDRAIL CONNECTOR TO CONC MED PIER	EA		
GUARDRAIL CONNECTOR TO CONC SHLDR PIER	EA		
GUARDRAIL POSTS-STEEL	EA		
GUARDRAIL OFFSET BLOCK TYPE 4	EA		
GUARDRAIL OFFSET BLOCK STEEL	EA		
GUARDRAIL OFFSET BLOCK THRIE BEAM	EA		
GUARDRAIL BACK-UP PLATE W BEAM	EA		
GUARDRAIL BACK-UP PLATE THRIE BEAM	EA		
GUARDRAIL NUTS, BOLTS, & WASHERS	BAG		

- NOTES:
1. Dispose of concrete foundations and timber posts off the Right-of-Way at sites obtained by the Contractor at no additional cost to the Department.
  2. Deliver salvageable removed guardrail system components, other than concrete foundations and timber posts, to the Department's Grayson County Maintenance HQ. Dispose of components the Engineer deems unsalvageable.
  3. Prior to removing the materials from the project site, obtain the Contractor's and Engineer's representative's signatures.
  4. Upon delivery, obtain the Grayson County representative's signature and submit this completed form to the Engineer.
  5. The Department will not measure removed guardrail components for payment without completed delivery verification sheet(s).

	PRINTED NAME	SIGNATURE	DATE
RESIDENT ENGINEER'S REPRESENTATIVE	_____	_____	_____
CONTRACTOR'S REPRESENTATIVE	_____	_____	_____
GRAYSON COUNTY REPRESENTATIVE	_____	_____	_____

**PART II**  
**SPECIFICATIONS AND STANDARD DRAWINGS**

### **SPECIFICATIONS REFERENCE**

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2012* and *Standard Drawings, Edition of 2016*.

## **SUPPLEMENTAL SPECIFICATIONS**

The contractor shall use the Supplemental Specifications that are effective at the time of letting.  
The Supplemental Specifications can be found at the following link:

<http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx>

**2016 APPLICABLE KENTUCKY STANDARD DRAWINGS**  
**FE06 043 0088 011-012**

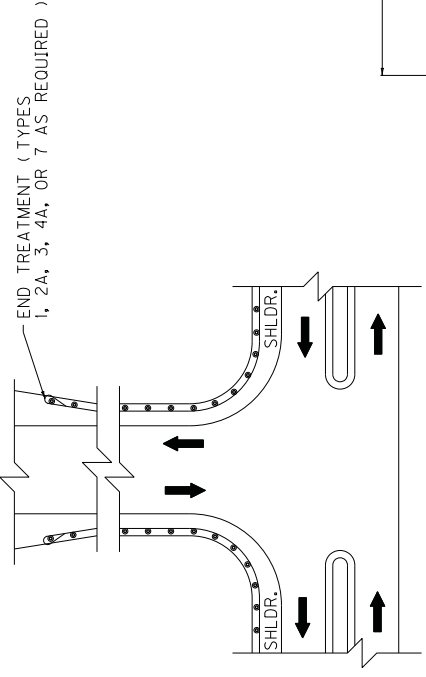
---

TYPICAL GUARDRAIL INSTALLATIONS .....	RBI-002-07
GUARDRAIL COMPONENTS.....	RBR-005-11
GUARDRAIL TERMINAL SECTIONS .....	RBR-010-06
GUARDRAIL END TREATMENT TYPE 3 .....	RBR-030-05
GUARDRAIL END TREATMENT TYPE 3 PIPE DRAINAGE DETAIL .....	RBR-031-01
GUARDRAIL END TREATMENT TYPE 3 ALTERNATE ANCHOR .....	RBR-032
CULVERT, ENTRANCE, & STORM SEWER PIPE TYPES & COVER HEIGHTS .....	RDI-001-10
PIPE BEDDING FOR CULVERTS, ENTRANCE AND STORM SEWER PIPE .....	RDI-020-09
PIPE BEDDING FOR CULVERTS, ENTRANCE AND STORM SEWER REINFORCED CONCRETE PIPE .....	RDI-021-01
PIPE BEDDING, TRENCH CONDITION.....	RDI-025-05
PIPE BEDDING, TRENCH CONDITION REINFORCED CONCRETE PIPE.....	RDI-026-05
COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PLAE PIPE .....	RDI-035-02
TEMPORARY SILT DENCE.....	RDX-210-03
SILT TRAP TYPE A.....	RDX-220-05
SILT TRAP TYPE B .....	RDX-225-01
CURVE WIDENING AND SUPERELEVATION TRANSITIONS.....	RGS-001-07
MISCELLANEOUS STANDARDS .....	RGX-001-06
ONE POINT PROCTER FAMILY OF CURVES .....	RGX-200-01
APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT .....	RPM-110-07
LANE CLOSURE TWO-LANE HIGHWAY .....	TTC-100-04
SHOULDER CLOSURE.....	TTC-135-02
PAVEMENT CONDITION WARNING SIGNS.....	TTD-125-02

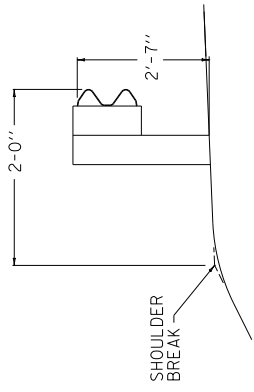
COUNTY OF	TIERING	SHEET NO.
		013

~ NOTES ~

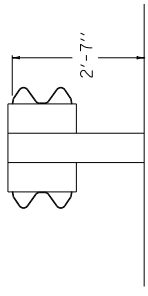
1. FOR END TREATMENT TYPE 4A USE CUR. STD. DWG. RBR-035 FOR OFFSETS.
2. THE MINIMUM LENGTH OF GUARDRAIL, INCLUDING THE END TREATMENT, PRECEDING A FIXED OBJECT IS 200 FEET: (LENGTH MAY BE REDUCED SHOULD FIELD CONDITIONS WARRANT).



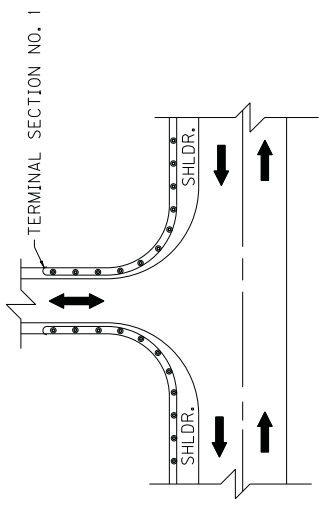
APPROACH ROADS



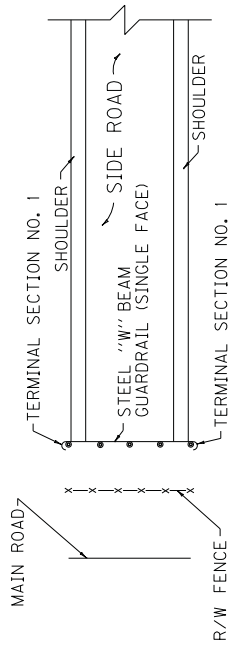
NORMAL GUARDRAIL INSTALLATION



TYPICAL DOUBLE FACE GUARDRAIL INSTALLATION



ENTRANCES



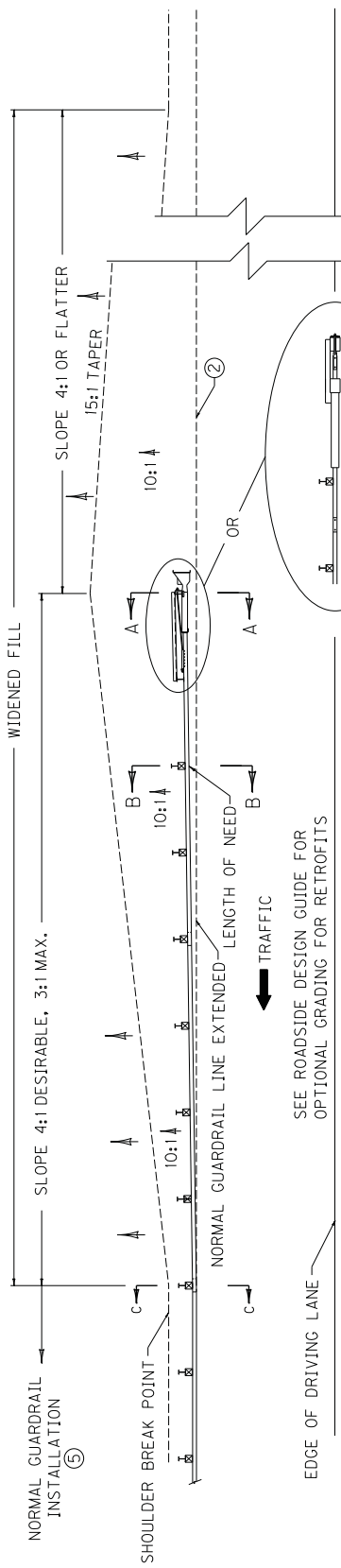
GUARDRAIL USED AS A BARRICADE

USE WITH CUR. STD. DWG.  
RBI-002, RBR-035

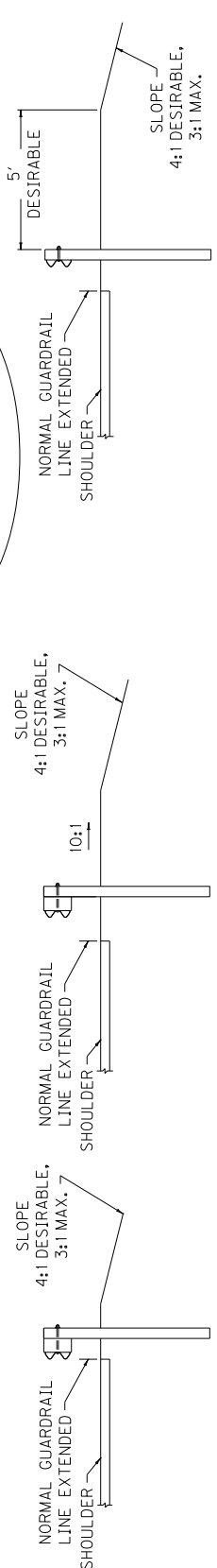
**KENTUCKY**  
**DEPARTMENT OF HIGHWAYS**  
TYPICAL GUARDRAIL  
INSTALLATIONS

SUBMITTED: *[Signature]*  
DIRECTOR DIVISION OF DESIGN  
DATE: 11-17-17  
024

COUNTY OF	ITEM NO.	SHEET NO.



SEE ROADSIDE DESIGN GUIDE FOR  
OPTIONAL GRADING FOR RETROFITS



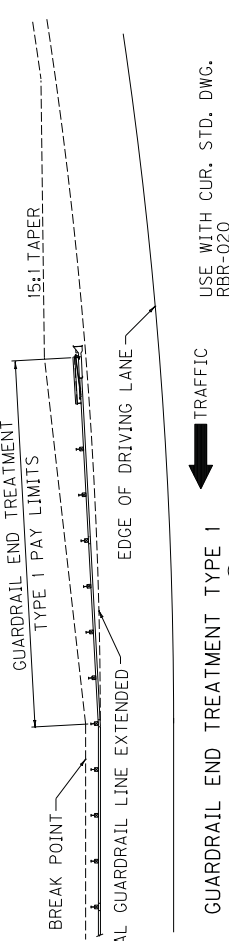
SECTION A-A

SECTION B-B

SECTION C-C

~ NOTES ~

- BID ITEMS AND UNIT TO BID:  
GUARDRAIL END TREATMENT TYPE 1  
ROADWAY OR BORROW EXCAVATION,  
OR EMBANKMENT IN PLACE CUYD
- 1. THE MINIMUM LENGTH OF GUARDRAIL, INCLUDING THE END TREATMENT, PRECEDING A FIXED OBJECT IS 200 FEET (LENGTH MAY BE REDUCED SHOULD FIELD CONDITIONS WARRANT).
- 2. GUARDRAIL EXTRUDER EDGE CLOSEST TO TRAFFIC SHALL BE PLACED ON NORMAL GUARDRAIL LINE EXTENDED.
- 3. END TREATMENT TYPE 1 MAY BE ATTACHED TO CURVED GUARDRAIL PROVIDED CURVE IS A 550' RADIUS OR MORE. END TREATMENT TYPE 1 SHALL BE INSTALLED ON A STRAIGHT LINE TAPER WITHIN THE PAY LIMITS.
- 4. INTENDED USE: FILLS WITH ADEQUATE VEHICLE RECOVERY ZONE BEHIND GUARDRAIL.
- 5. FOR MAINTENANCE AND REPAIR PROJECTS, USE "GUARDRAIL SYSTEM TRANSITION "SEPIA 33", TO TRANSITION BACK TO 27" OR 29" GUARDRAIL HEIGHT, IF ONLY THE TERMINAL IS PROPOSED TO BE REPLACED.

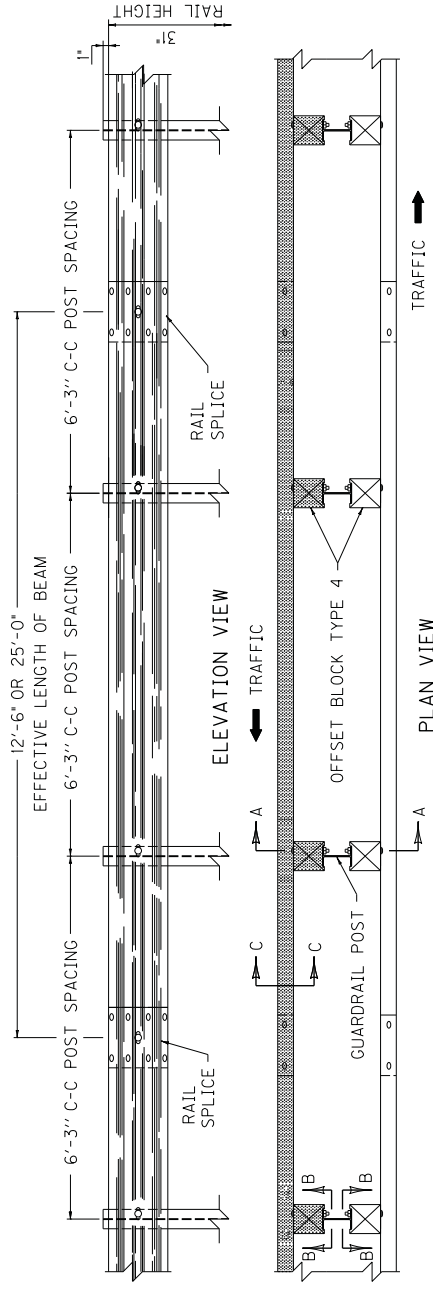


USE WITH CUR. STD. DWG.  
RBR-020

**KENTUCKY**  
**DEPARTMENT OF HIGHWAYS**  
INSTALLATION OF  
GUARDRAIL  
END TREATMENT  
TYPE 1

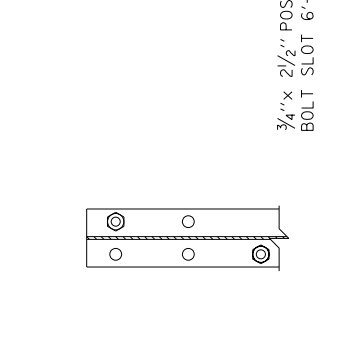
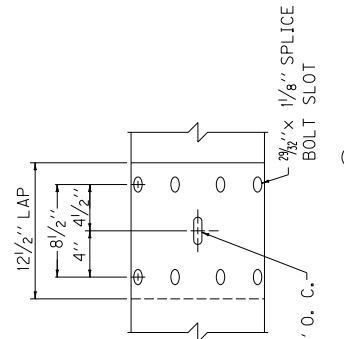
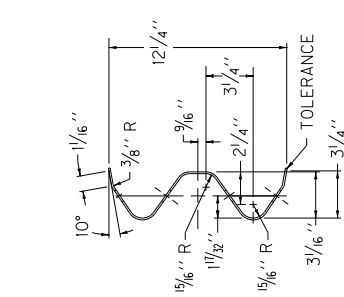
SUBMITTED: *[Signature]*  
DIRECTOR IN CHARGE OF DESIGN  
DATE: 11-17-17  
025

COUNTY OF	ITEM NO.	SHEET NO.



~ NOTES ~

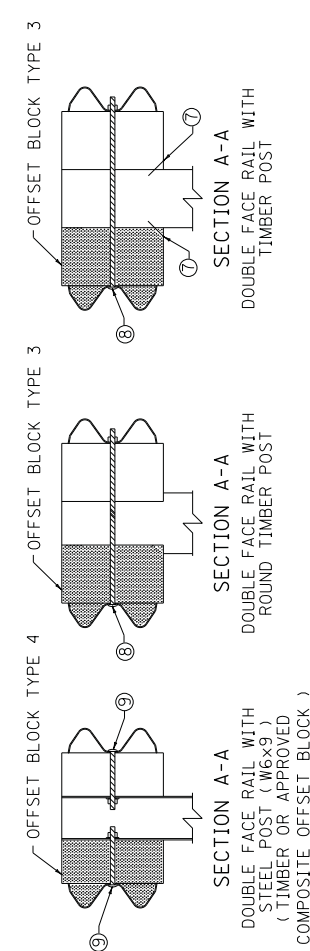
- BID ITEM AND UNIT TO BID  
GUARDRAIL-STEEL W BEAM-S FACE LF  
OR  
GUARDRAIL-STEEL W BEAM-D FACE LF
- DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.
  - THE RAIL ELEMENT SHALL COMPLY WITH AASHTO M-180 -CLASS A, TYPE II.
  - ALL LAPS SHALL BE PLACED IN THE DIRECTION OF TRAFFIC FLOW.
  - TOLERANCE + 1/4", -1/4"
  - 8-5/8"x 1/4" LONG BUTTON HEAD BOLTS AND HEX HEAD RECESS NUTS REQUIRED FOR EACH RAIL SPLICE.
  - LENGTH EQUALS POST AND BLOCK WIDTH PLUS 2" FOR BOLT OR 2 1/4" FOR THREADED ROD.
  - GALVANIZED STEEL 104 COMMON COATED NAIL (DRIVE NAIL AT THE TOP OR BOTTOM CENTER OF BLOCK AND POST AFTER BOLT IS INSTALLED).
  - 5/8"x STEEL THREADED ROD AND TWO (2) HEX HEAD NUTS OR 5/8"x 6" BUTTON OR HEX HEAD BOLT AND HEX HEAD NUT.
  - 5/8"x 8" BUTTON HEAD BOLT, HEX HEAD RECESS NUT AND ONE 3/8" ROUND WASHER (TYP.). BOLT SHALL HAVE A MINIMUM THREAD LENGTH OF 2".
  - REQUIRED FOR DOUBLE RAIL.
  - BOTH 12'-6" AND 25' LENGTHS OF "W" BEAM GUARDRAIL SECTIONS WILL BE PERMITTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



SECTION C-C  
(RAIL CORRUGATED SHEET STEEL BEAM)

RAIL SPLICE (5)

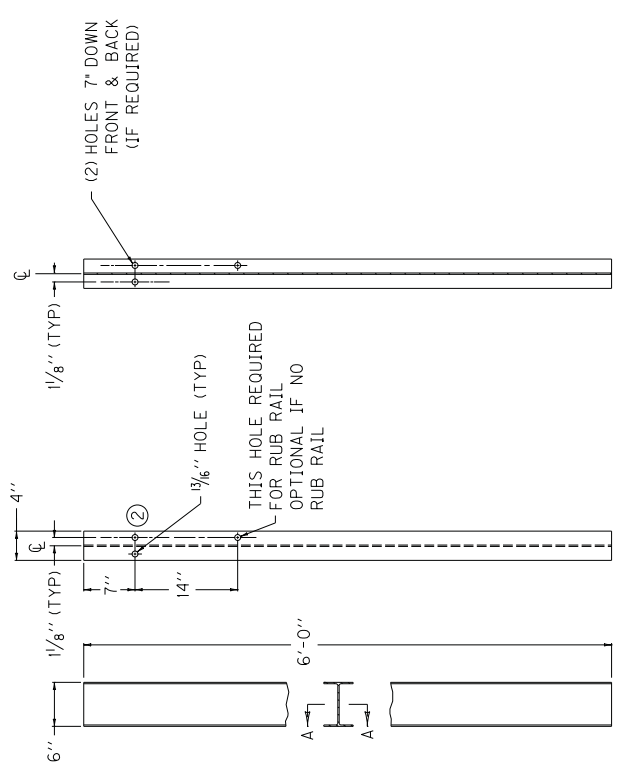
SECTION B-B



<b>KENTUCKY</b>	
<b>DEPARTMENT OF HIGHWAYS</b>	
STEEL BEAM	
GUARDRAIL	
( "W" BEAM )	
SUBMITTED: <i>Robert P. Schell</i> DIRECTOR DIVISION OF DESIGN 11-17-17 DATE 027	



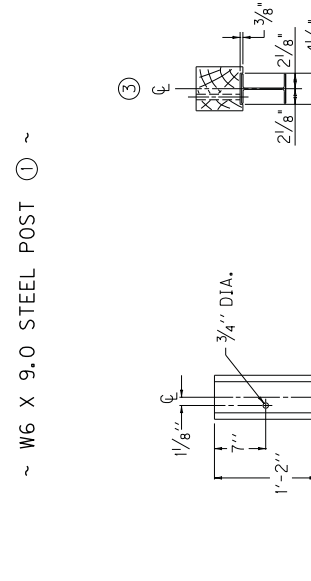
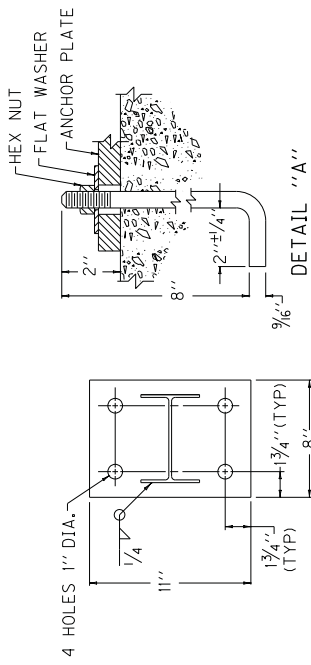
COUNTY OF	SHEET NO.
_____	_____



- ~ NOTES ~
- ① W6 X 8.5 IS AN ACCEPTABLE ALTERNATE.
  - ② THESE HOLES ARE REQUIRED FOR ATTACHING RAIL.
  - ③ TIMBER OR COMPOSITE BLOCKOUTS MAY BE USED WITH STEEL POST.

SECTION A-A

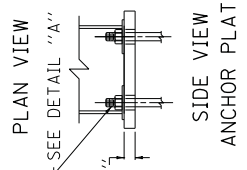
~ W6 X 9.0 STEEL POST ① ~



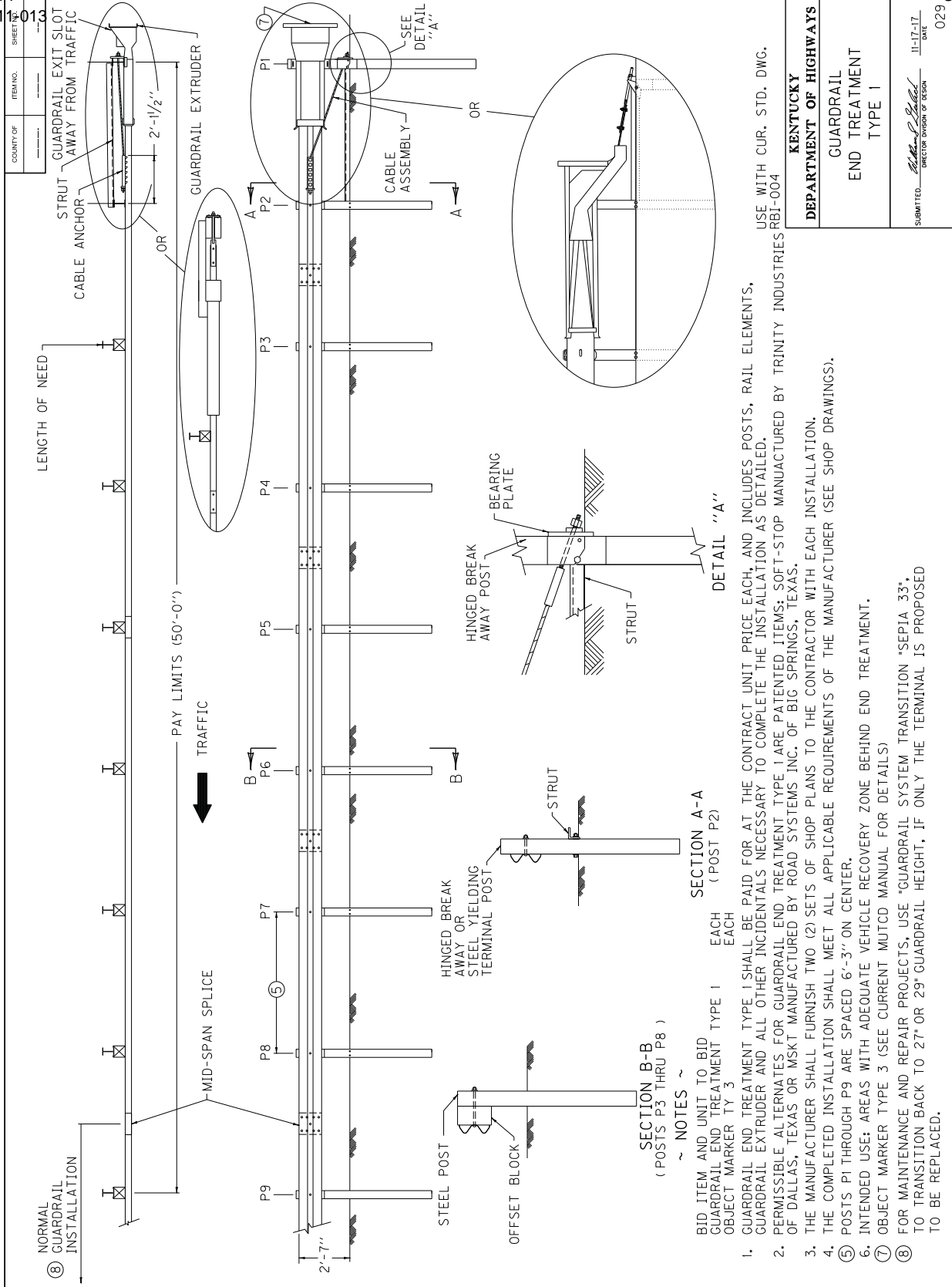
REAR ELEVATION

PLAN VIEW

OFFSET BLOCK TYPE 4  
6" X 8" (Nominal Size)  
(TIMBER OR APPROVED COMPOSITE)  
(FOR USE WITH STEEL POST ONLY)



KENTUCKY DEPARTMENT OF HIGHWAYS
STEEL GUARDRAIL POSTS
SUBMITTED: <i>Mark P. Sells</i> DIRECTOR DIVISION OF DESIGN
DATE: 3-06-18
028



COUNTY OF \_\_\_\_\_  
SHEET NO. \_\_\_\_\_  
ITEM NO. \_\_\_\_\_

GUARDRAIL EXIT SLOT  
AWAY FROM TRAFFIC  
2'-1/2"

LENGTH OF NEED

PAY LIMITS (50'-0")  
TRAFFIC

MID-SPAN SPLICE

P1  
P2  
P3  
P4  
P5  
P6  
P7  
P8  
P9

2'-7"

STEEL POST  
OFFSET BLOCK

HINGED BREAK AWAY OR STEEL YIELDING TERMINAL POST

HINGED BREAK AWAY POST

BEARING PLATE

STRUT

STRUT

SECTION B-B  
(POSTS P3 THRU P8)

SECTION A-A  
(POST P2)

BID ITEM AND UNIT TO BID  
GUARDRAIL END TREATMENT TYPE 1 EACH  
OBJECT MARKER TY 3 EACH

1. GUARDRAIL END TREATMENT TYPE 1 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND INCLUDES POSTS, RAIL ELEMENTS, GUARDRAIL EXTRUDER AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION AS DETAILED.
2. PERMISSIBLE ALTERNATES FOR GUARDRAIL END TREATMENT TYPE 1 ARE PATENTED ITEMS: SOFT-STOP MANUFACTURED BY TRINITY INDUSTRIES RBI-004 OF DALLAS, TEXAS OR MSKT MANUFACTURED BY ROAD SYSTEMS INC. OF BIG SPRINGS, TEXAS.
3. THE MANUFACTURER SHALL FURNISH TWO (2) SETS OF SHOP PLANS TO THE CONTRACTOR WITH EACH INSTALLATION.
4. THE COMPLETED INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE MANUFACTURER (SEE SHOP DRAWINGS).
5. POSTS P1 THROUGH P9 ARE SPACED 6'-3" ON CENTER.
6. INTENDED USE: AREAS WITH ADEQUATE VEHICLE RECOVERY ZONE BEHIND END TREATMENT.
7. OBJECT MARKER TYPE 3 (SEE CURRENT MUTCD MANUAL FOR DETAILS)
8. FOR MAINTENANCE AND REPAIR PROJECTS, USE "GUARDRAIL SYSTEM TRANSITION 'SEP1A 33", TO TRANSITION BACK TO 27" OR 29" GUARDRAIL HEIGHT, IF ONLY THE TERMINAL IS PROPOSED TO BE REPLACED.

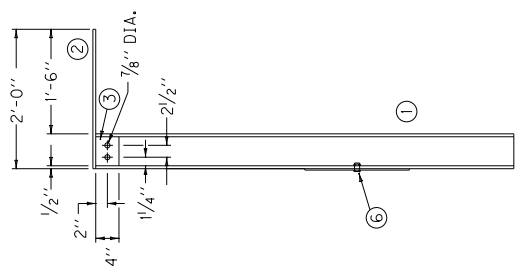
DETAIL "A"

USE WITH CUR. STD. DWG.  
RBI-004

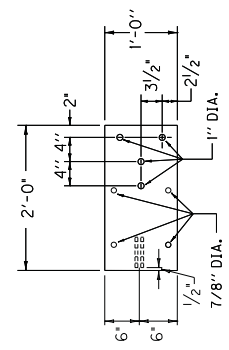
**KENTUCKY**  
**DEPARTMENT OF HIGHWAYS**  
GUARDRAIL  
END TREATMENT  
TYPE 1

SUBMITTED: *John P. Scales*  
DIRECTOR DIVISION OF DESIGN  
DATE: 11-17-17  
029

COUNTY OF	ITEM NO.	SHEET NO.



FRONT VIEW

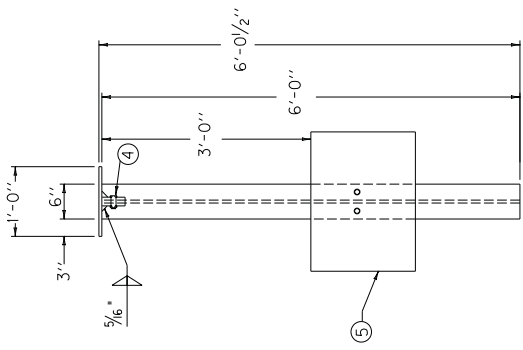


ANCHOR PLATE ASSEMBLY (2)

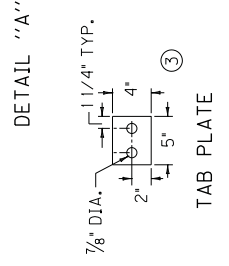
USE WITH CUR. STD. DWG.  
RBR-001, RBR-005, RBR-010  
RBR-015, RBR-050

**KENTUCKY**  
**DEPARTMENT OF HIGHWAYS**  
GUARDRAIL END TREATMENT TYPE 7  
ALTERNATE ANCHOR

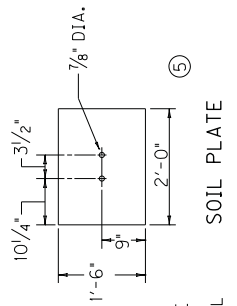
SUBMITTED: *[Signature]*  
DIRECTOR DIVISION OF DESIGN  
DATE: 11-17-17  
031



SIDE VIEW

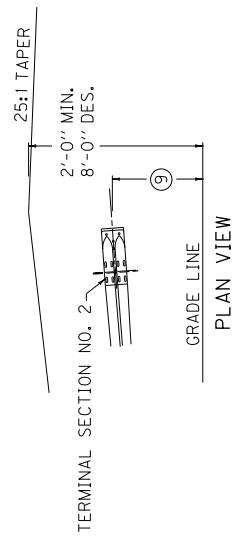


TAB PLATE

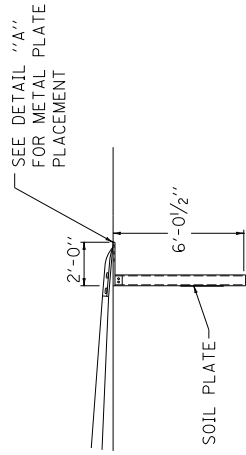


SOIL PLATE

BILL OF MATERIAL	
NO.	DESCRIPTION
1	W6x15 W-BEAM
2	2' x 1' x 1/2" ANCHOR PLATE ASSEMBLY
3	4" x 5" x 1/2" TAB PLATE
4	3/4" DIA. x 2 1/2" HEAVY HEX HD BOLT w/NUT & (2) FLAT WASHERS
5	2' x 18" x 1/4" SOIL PLATE
6	3/4" DIA. x 2" HEAVY HEX HD BOLT w/NUT & (2) FLAT WASHERS



PLAN VIEW



ELEVATION VIEW

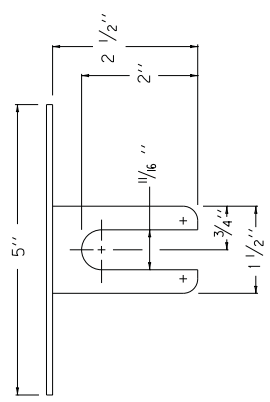
~ NOTES ~

- 7. GUARDRAIL END TREATMENT TYPE 7 SHALL BE TO THE PAY LIMITS AS DETAILED AND THE CONTRACT UNIT PRICE EACH SHALL INCLUDE TERMINAL SECTION NO. 2, STEEL "W" BEAM GUARDRAIL (SINGLE FACE), GUARDRAIL POSTS, MI, STEEL ANCHOR PLATE AND POST, SOIL PLATE, TAB PLATES, EXCAVATION, LABOR, HARDWARE AND ALL INCIDENTALS NECESSARY FOR THE INSTALLATION.
- 8. SPLICE BOLTS AT TERMINAL SECTION NO. 2 SHALL BE LOOSELY TIGHTENED AND CENTERED TO ALLOW MAXIMUM MOVEMENT DUE TO EXPANSION. ONE (1) 3/8" ROUND WASHER AND (1) RECTANGULAR PLATE WASHER REQUIRED FOR EACH SPLICE BOLT, AT TERMINAL SECTION NO. 2.
- 9. THE DESIRABLE OFFSET DISTANCE FROM THE NORMAL GUARDRAIL LINE SHALL BE 4'-0". THE MINIMUM OFFSET DISTANCE FROM THE NORMAL GUARDRAIL LINE IS ZERO FEET.
- 10. SEE CUR. STD. DWG. RBR-001, RBR-005, RBR-010 AND RBR-015 FOR APPLICABLE DETAILS AND SPECIFICATIONS.
- 11. LEAVE CLEARANCE IN BETWEEN TAB PLATES FOR GALVANIZED W6 x 15 W-BEAM POST.

COUNTY OF	ITEM NO.	SHEET NO.

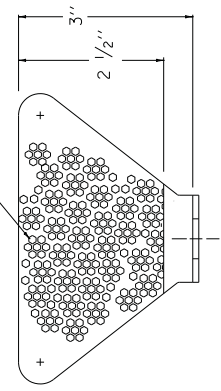
~ NOTES ~

- BID ITEMS AND UNIT TO BID  
 DELINEATOR FOR GUARDRAIL B/W EACH  
 DELINEATOR FOR GUARDRAIL M/W EACH  
 DELINEATOR FOR GUARDRAIL M/Y EACH
- DELINEATORS SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR ONE COMPLETE INSTALLATION.
  - DELINEATOR SHAPE AND DIMENSIONS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY. TYPES OF DELINEATORS PERMITTED SHALL BE FROM THE LIST OF APPROVED MATERIALS.
  - GUARDRAIL DELINEATORS SHALL BE REQUIRED ON ALL GUARDRAIL.
  - DELINEATORS SHALL NOT BE INSTALLED WITHIN THE PAY LIMITS OF THE END TREATMENT.
  - DELINEATORS SHALL BE MANUFACTURED FROM 12 GA. GALVANIZED STEEL.
  - DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MANUFACTURER'S TOLERANCES.
  - 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 STANDARD DRAWING RBM-020.
  - DELINEATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

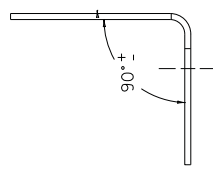


PLAN VIEW

TYPE IX SHEETING,  
YELLOW OR WHITE

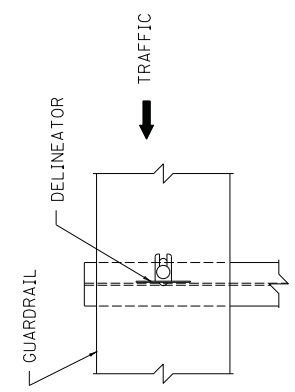


FRONT VIEW

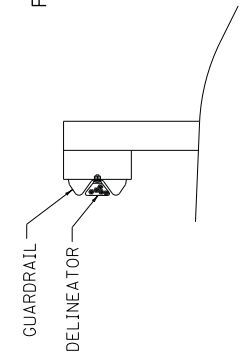


SIDE VIEW

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.

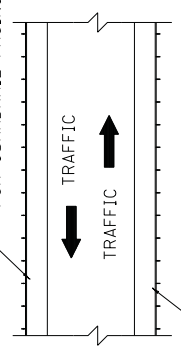


FRONT VIEW

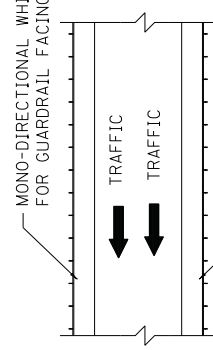


SIDE VIEW

BI-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC



BI-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC

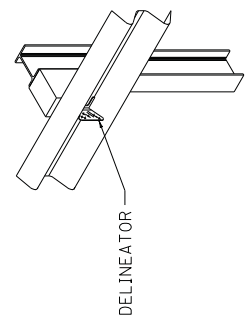


MONO-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC

MONO-DIRECTIONAL YELLOW DELINEATOR FOR GUARDRAIL FACING TRAFFIC



PLACEMENT OF DELINEATORS FOR GUARDRAIL



ISOMETRIC VIEW

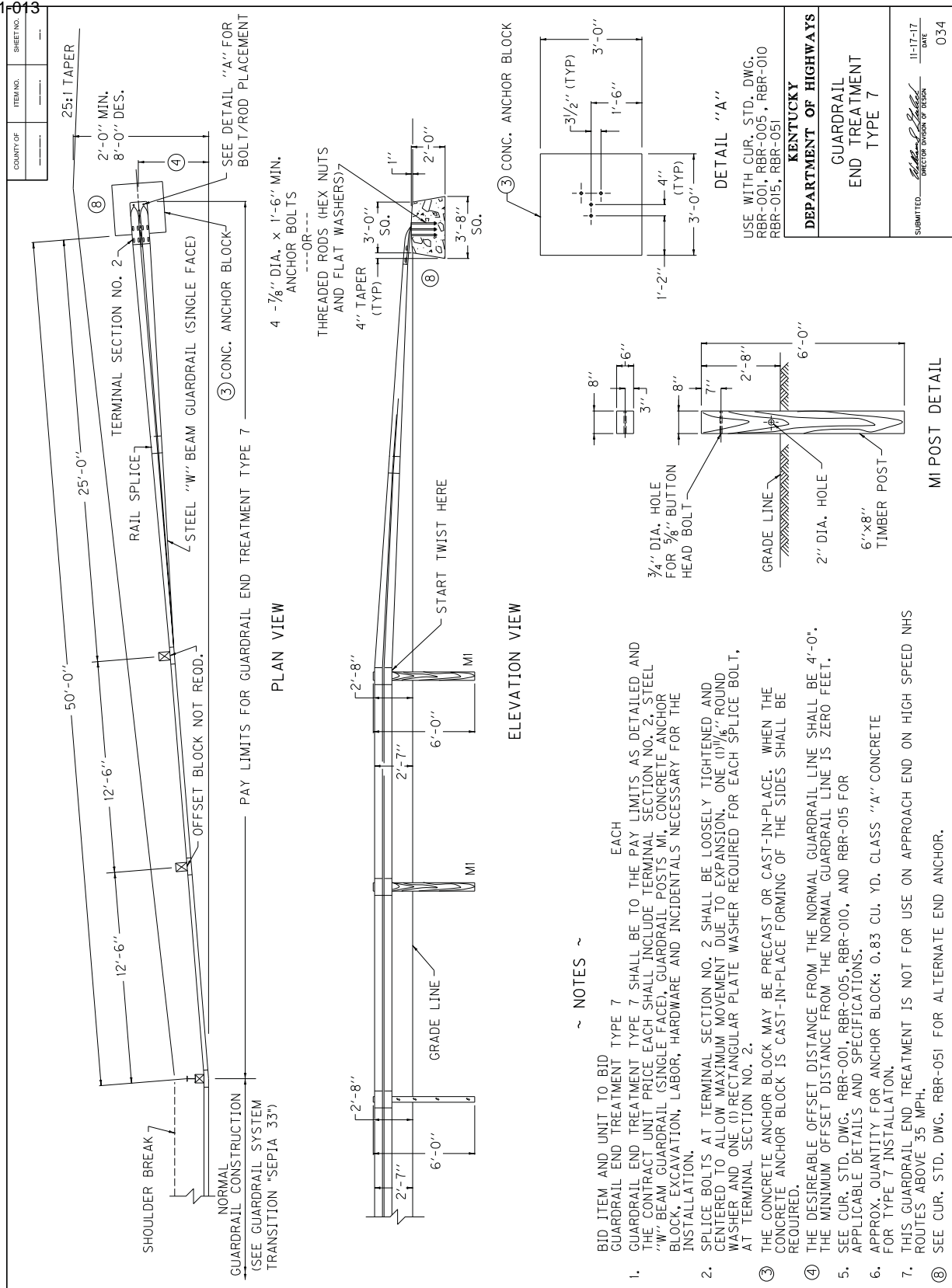
USE WITH CUR. STD. DWGS.  
RBM-020, RBR-060

<b>KENTUCKY</b> DEPARTMENT OF HIGHWAYS
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.

SUBMITTED: *Mark P. Pickett*  
DIRECTOR DIVISION OF DESIGN  
DATE: 11-17-12  
032



- ~ NOTES ~
- BID ITEM AND UNIT TO BID GUARDRAIL END TREATMENT TYPE 7 EACH GUARDRAIL END TREATMENT TYPE 7 SHALL BE TO THE PAY LIMITS AS DETAILED AND THE CONTRACT UNIT PRICE EACH SHALL INCLUDE TERMINAL SECTION NO. 2, STEEL "W" BEAM GUARDRAIL (SINGLE FACE), GUARDRAIL POSTS MI, CONCRETE ANCHOR BLOCK, EXCAVATION, LABOR, HARDWARE AND INCIDENTALS NECESSARY FOR THE INSTALLATION.
  - SPLICE BOLTS AT TERMINAL SECTION NO. 2 SHALL BE LOOSELY TIGHTENED AND CENTERED TO ALLOW MAXIMUM MOVEMENT DUE TO EXPANSION. ONE (1) 1/8" ROUND WASHER AND ONE (1) RECTANGULAR PLATE WASHER REQUIRED FOR EACH SPLICE BOLT, AT TERMINAL SECTION NO. 2.
  - THE CONCRETE ANCHOR BLOCK MAY BE PRECAST OR CAST-IN-PLACE. WHEN THE CONCRETE ANCHOR BLOCK IS CAST-IN-PLACE FORMING OF THE SIDES SHALL BE REQUIRED.
  - THE DESIRABLE OFFSET DISTANCE FROM THE NORMAL GUARDRAIL LINE SHALL BE 4'-0". THE MINIMUM OFFSET DISTANCE FROM THE NORMAL GUARDRAIL LINE IS ZERO FEET.
  - SEE CUR. STD. DWG. RBR-001, RBR-005, RBR-010, AND RBR-015 FOR APPLICABLE DETAILS AND SPECIFICATIONS.
  - APPROX. QUANTITY FOR ANCHOR BLOCK: 0.83 CU. YD. CLASS "A" CONCRETE FOR TYPE 7 INSTALLATION.
  - THIS GUARDRAIL END TREATMENT IS NOT FOR USE ON APPROACH END ON HIGH SPEED NHS ROUTES ABOVE 35 MPH.
  - SEE CUR. STD. DWG. RBR-051 FOR ALTERNATE END ANCHOR.

**PART III**

**EMPLOYMENT, WAGE AND RECORD REQUIREMENTS**

**TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS**

**LABOR AND WAGE REQUIREMENTS  
APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS**

- I. Application
- II. Nondiscrimination of Employees (KRS 344)

**I. APPLICATION**

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

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

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

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administrating agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

**II. NONDISCRIMINATION OF EMPLOYEES**

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

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

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (forty and above); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age forty (40) and over. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

## EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

No present or former public servant shall, within six (6) months following termination of his office or employment, accept employment, compensation, or other economic benefit from any person or business that contracts or does business with, or is regulated by, the state in matters in which he was directly involved during the last thirty-six (36) months of his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, or for which he received, prior to his state employment, a professional degree or license, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his tenure in state government. This subsection shall not prohibit the performance of ministerial functions, including but not limited to filing tax returns, filing applications for permits or licenses, or filing incorporation papers, nor shall it prohibit the former officer or public servant from receiving public funds disbursed through entitlement programs.

KRS 11A.040 (9) states:

A former public servant shall not represent a person or business before a state agency in a matter in which the former public servant was directly involved during the last thirty-six (36) months of his tenure, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, 3 Fountain Place, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: January 27, 2017



### **Kentucky Equal Employment Opportunity Act of 1978**

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) shall apply to this Contract. The apparent low Bidder will be required to submit EEO forms to the Division of Construction Procurement, which will then forward to the Finance and Administration Cabinet for review and approval. No award will become effective until all forms are submitted and EEO/CC has certified compliance. The required EEO forms are as follows:

- EEO-1: Employer Information Report
- Affidavit of Intent to Comply
- Employee Data Sheet
- Subcontractor Report

These forms are available on the Finance and Administration's web page under ***Vendor Information, Standard Attachments and General Terms*** at the following address:  
**<https://www.eProcurement.ky.gov>**.

Bidders currently certified as being in compliance by the Finance and Administration Cabinet may submit a copy of their approval letter in lieu of the referenced EEO forms.

For questions or assistance please contact the Finance and Administration Cabinet by email at **[finance.contractcompliance@ky.gov](mailto:finance.contractcompliance@ky.gov)** or by phone at 502-564-2874.

# EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

## FEDERAL MINIMUM WAGE

# \$7.25

 PER HOUR

BEGINNING JULY 24, 2009

**OVERTIME PAY** At least 1½ times your regular rate of pay for all hours worked over 40 in a workweek.

**CHILD LABOR** An employee must be at least **16** years old to work in most non-farm jobs and at least **18** to work in non-farm jobs declared hazardous by the Secretary of Labor.

Youths **14** and **15** years old may work outside school hours in various non-manufacturing, non-mining, non-hazardous jobs under the following conditions:

**No more than**

- **3** hours on a school day or **18** hours in a school week;
- **8** hours on a non-school day or **40** hours in a non-school week.

Also, work may not begin before **7 a.m.** or end after **7 p.m.**, except from June 1 through Labor Day, when evening hours are extended to **9 p.m.** Different rules apply in agricultural employment.

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

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

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

### ADDITIONAL INFORMATION

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

For additional information:



# 1-866-4-USWAGE

(1-866-487-9243) TTY: 1-877-889-5627



# WWW.WAGEHOUR.DOL.GOV

**PART IV**  
**INSURANCE**

## INSURANCE

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

- 1) Commercial General Liability-Occurrence form – not less than \$2,000,000 General aggregate, \$2,000,000 Products & Completed Aggregate, \$1,000,000 Personal & Advertising, \$1,000,000 each occurrence.
- 2) Automobile Liability- \$1,000,000 per accident
- 3) Employers Liability:
  - a) \$100,000 Each Accident Bodily Injury
  - b) \$500,000 Policy limit Bodily Injury by Disease
  - c) \$100,000 Each Employee Bodily Injury by Disease
- 4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
  - a) "policy contains no deductible clauses."
  - b) "policy contains \_\_\_\_\_ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
- 5) **KENTUCKY WORKMEN'S COMPENSATION INSURANCE.** The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

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

**PART V**  
**BID ITEMS**

**PROPOSAL BID ITEMS**

182404

Page 1 of 1

Report Date 11/9/18

**Section: 0001 - GUARDRAIL**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE (BACKFILL CRIBBING)	350.00	TON		\$	
0020	00001		DGA BASE (SHOULDERING)	250.00	TON		\$	
0030	00462		CULVERT PIPE-18 IN	60.00	LF		\$	
0040	01381		METAL END SECTION TY 2-18 IN	1.00	EACH		\$	
0050	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	60.00	EACH		\$	
0060	02353		INSTALL GUARDRAIL-STEEL W BM-S FACE	2,875.00	LF		\$	
0070	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0080	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0090	02371		GUARDRAIL END TREATMENT TYPE 7	1.00	EACH		\$	
0100	02373		GUARDRAIL END TREATMENT TYPE 3	1.00	EACH		\$	
0110	02381		REMOVE GUARDRAIL	25.00	LF		\$	
0120	02483		CHANNEL LINING CLASS II	25.00	TON		\$	
0130	02562		TEMPORARY SIGNS	230.00	SQFT		\$	
0140	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0150	03236		CRIBBING	340.00	SQFT		\$	

**Section: 0002 - DEMOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	02569		DEMOBILIZATION	1.00	LS		\$	