



**TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

January 21, 2014

CALL NO. 311  
CONTRACT ID NO. 142092  
Addendum # 1

Subject: Grayson County, FE06 043 0062 026-027  
Letting January 24, 2014

- (1) Revised - Special Notes - Page 13 thru 15 of 58
- (2) Delete - Notes - Pages 12 and 16 of 58
- (3) Revised - Summary Sheet - Page 21 of 58
- (4) Added - Detail Sheet - Page 21(a) of 58
- (5) Added - Special Note - Page 21(b) of 58
- (6) Revised - Standard Drawing List - page 42 of 58
- (7) Revised - Bid Items - Page 58 of 58

Proposal revisions are available at  
<http://transportation.ky.gov/Construction-Procurement>

Plan Revisions are available at: <http://www.lynnimaging.com/kytransportation/>

If you have any questions, please contact us at (502) 564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith  
Director  
Division of Construction Procurement

RG:js

Enclosures



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## SPECIAL NOTES FOR GUARDRAIL

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### I. DESCRIPTION

Except as specified herein, perform all work in accordance with the Department's Standard and Supplemental Specifications and Standard and Sepia Drawings, current editions. Article references are to the Standard Specifications.

Furnish all equipment, labor, materials, and incidentals for the following work items:

(1) Site preparation; (2) Guardrail, Guardrail with Extra Length Posts, End Treatments, Bridge End Connectors, and Terminal Sections, as applicable; (3) Delineators for guardrail; (4) Maintain and control traffic; and (5) all other work specified as part of this contract.

### II. MATERIALS

Except as specified herein, provide for all materials to be sampled and tested in accordance with the Department's Sampling Manual and make the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing.

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

**B. Guardrail.** Furnish guardrail system components according to section 814 and the Standard Drawings; except use steel posts only, no alternates. Furnish approximately 70 Extra Length Posts (9 foot length, steel-no alternates).

**C. 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.** Be responsible for all site preparation, including but not limited to, clearing and grubbing, excavation, embankment, and removal of all obstructions or any other items; regrading, reshaping, adding and compacting of suitable materials on the existing shoulders to provide proper template or foundation for the guardrail; temporary pollution and erosion control; disposal, of excess and waste materials and debris; and final dressing, cleanup, and seeding and protection. Perform all site preparation as approved or directed by the engineer.

**C. Guardrail.** Except as specified herein, construct guardrail system according to Section 719 and the Standard Drawings. Locations listed on the summary and/or shown on the drawings are approximate only. The Engineer will determine the exact termini for individual guardrail installations and locations for Extra Length Posts at the time of construction. Unless directed otherwise by the Engineer, provide a minimum two (2) foot shoulder width. Construct radii at entrances and road intersections as directed by the Engineer.

Erect guardrail to the lines and grades shown on current Standard Drawings or as directed by the Engineer by any method approved by the Engineer which allows construction of the guardrail to the true grade without apparent sags.

When installing guardrail, do not leave the blunt end exposed where it would be hazardous to the public. When it is not practical to complete the construction of the guardrail and the permanent end treatments and terminal sections first, provide 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, place a drum with bridge panel in advance of the guardrail end and maintain during use.

**D. Delineators for Guardrail.** Construct Delineators for Guardrail according to the Delineators for Guardrail Sepia Drawing.

**E. Property Damage.** Be responsible for all damage to public and/or private property resulting from the work. Restore damaged roadway features and private property at no additional cost to the Department.

**F. Coordination with Utility Companies.** Locate all underground, above ground and overhead utilities prior to beginning construction. Be responsible 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. Be responsible for repairing all utility damage that occurs as a result of guardrail operations at no additional cost the Department.

**G. Right of Way Limits.** The Department has not established exact limits of the Right-of-Way. Limit work 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. Be responsible for all encroachments onto private lands.

**H. 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.

**I. Final Dressing, Clean Up, and Seeding and Protection.** Apply Class A Final Dressing to all disturbed areas, both on and off the Right-of-Way. Sow all disturbed earthen areas.

**IV. METHOD OF MEASUREMENT**

**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 for separate payment but shall be incidental to Guardrail, End Treatments, Bridge End Connectors, and Terminal Sections as applicable.

**C. Guardrail.** See Section 719.04.

**D. Delineators for Guardrail.** See Delineators for Guardrail Sepia Drawing.

**V. BASIS OF PAYMENT**

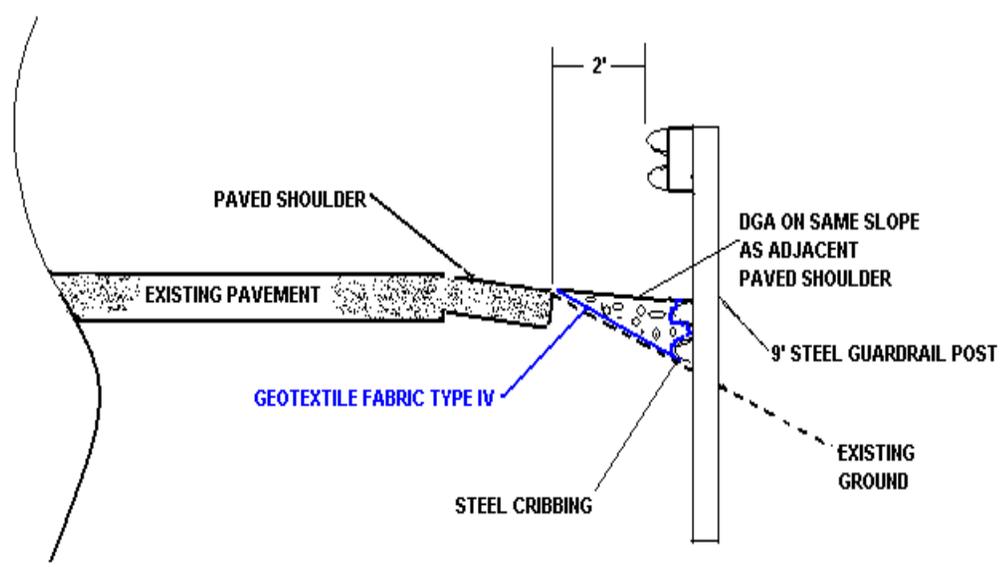
**A. Maintain and Control Traffic.** See Traffic Control Plan.

**B. Guardrail.** See Section 719.05.

**C. Delineators for Guardrail.** See Delineators for Guardrail Sepia Drawing.



# GUARDRAIL SYSTEM WITH CRIBBING



**FIGURE 1**

## CRIBBING SPECIAL NOTES

### MATERIALS

**A. Wall Cribbing.** Acceptable cribbing materials include new or like new used steel beam guardrail. Used steel beam guardrail must be structurally sound and in generally good condition and shall be subject to the inspection and approval of the Engineer prior to its installation. Used guardrail for cribbing purposes must perform like new guardrail that would be used for cribbing. This includes a galvanized coating, uniform thickness, and straight sections so as to prevent the backfill from escaping between installed sections. Contractor shall obtain approval of cribbing material prior to installation. Certifications and/or mill test reports are not required to be furnished for guardrail used for cribbing. Use uniform material at each site.

### CONSTRUCTION METHODS

**A. Installation of Wall Cribbing.** Install wall cribbing on guardrail as shown on Detail Sheet or as directed by the Engineer. Install DGA on same slope as adjacent paved shoulder. Top of the cribbing is to be installed flush with DGA. This may require the contractor to dig a trench for the cribbing. Install Geotextile Fabric Type IV as shown in Figure 1. Geotextile Fabric installation shall be incidental to Cribbing Installation. Furnish all materials, labor and equipment to deliver and install wall cribbing at the specified locations of the new guardrail.

**B. DGA.** Install DGA from edge of pavement to top of cribbing on same slope as adjacent paved shoulder. If the shoulder is low but will support DGA without cribbing, install DGA on same slope as the adjacent paved shoulder and in accordance with KY Standard Drawing No. RBI-001-10 or as directed by the Engineer.

### METHOD OF MEASUREMENT

**A. Wall Cribbing.** The department will measure wall cribbing by the square foot. Geotextile Fabric Type IV and installation thereof shall be incidental to Wall Cribbing installation.

**B. DGA.** DGA will be measured by the ton.

### BASIS OF PAYMENT

**A. Wall Cribbing.** The Department will pay for the completed and accepted quantities under the bid item of "Cribbing". Payment will be based on the quantity installed in the field. The Department will not make separate payments for hauling the wall cribbing to the site. The Department will consider payment full compensation for all work required on the project. DGA will be used for backfill and will be paid by the ton.

**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 END TREATMENT TYPE 1.....	RBR-020-05
GUARDRAIL END TREATMENT TYPE 7.....	RBR-050-06
MISCELLANEOUS STANDARDS PART 1 .....	RGX-001-05
SHOULDER CLOSURE.....	TTC-135-01

**PROPOSAL BID ITEMS**

142092

Page 1 of 1

Report Date 1/21/14

**Section: 0001 - GUARDRAIL**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	34.00	EACH		\$	
0020	02351		GUARDRAIL-STEEL W BEAM-S FACE REVISED: 1-21-14	1,512.00	LF		\$	
0030	02360		GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH		\$	
0040	02367		GUARDRAIL END TREATMENT TYPE 1	3.00	EACH		\$	
0050	02371		GUARDRAIL END TREATMENT TYPE 7 REVISED: 1-21-14	2.00	EACH		\$	
0070	02399		EXTRA LENGTH GUARDRAIL POST	70.00	EACH		\$	
0080	02562		TEMPORARY SIGNS	190.00	SQFT		\$	
0090	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0091	00001		DGA BASE ADDED: 1-21-14	250.00	TON		\$	
0092	03236		CRIBBING ADDED: 1-21-14	250.00	SQFT		\$	
0093	24381EC		G/R STEEL W BEAM-S FACE (NESTED) ADDED: 1-21-14	150.00	LF		\$	

**Section: 0002 - DEMOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0100	02569		DEMOBILIZATION	1.00	LS		\$	