



CALL NO. 420

CONTRACT ID. 252240

LETCHER COUNTY

FED/STATE PROJECT NUMBER MP067GR25P023-FD51

DESCRIPTION FEMA FLOOD REPAIRS KY 1862, KY 3402, & KY 3410

WORK TYPE FLOOD REPAIR FOR FEMA

PRIMARY COMPLETION DATE 12/31/2025

LETTING DATE: May 22, 2025

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME May 22, 2025. 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

PART I	SCOPE OF WORK <ul style="list-style-type: none">• PROJECT(S), COMPLETION DATE(S), & LIQUIDATED DAMAGES• CONTRACT NOTES• STATE CONTRACT NOTES• DGA BASE FOR SHOULDERS• SPECIAL NOTE(S) APPLICABLE TO PROJECT• WASTE AND BORROW SITES• COORDINATION OF WORK WITH OTHER CONTRACTS• SHOULDER PREPARATION• GUARDRAIL• TYPICAL SECTION DIMENSIONS• TRAFFIC CONTROL PLAN• EROSION CONTROL• SKETCH MAP(S)• MATERIAL SUMMARY• SUMMARY SHEET(S)• TYPICAL SECTION(S)• DETAIL SHEET(S)• DETAIL SHEETS FOR SLIDE REPAIR• GUARDRAIL DELIVERY VERIFICATION SHEET
PART II	SPECIFICATIONS AND STANDARD DRAWINGS <ul style="list-style-type: none">• STANDARD AND SUPPLEMENTAL SPECIFICATIONS• 2020 STANDARD DRAWINGS THAT APPLY• CHANNELIZING DEVICES (INCLUDING BARRICADES)• GUARDRAIL END TREATMENT TYPE 1
PART III	EMPLOYMENT, WAGE AND RECORD REQUIREMENTS <ul style="list-style-type: none">• LABOR AND WAGE REQUIREMENTS• EXECUTIVE BRANCH CODE OF ETHICS• KENTUCKY EQUAL EMPLOYMENT OPPORTUNITY ACT OF 1978 LOCALITY / STATE• PROJECT WAGE RATES / STATE FUNDED
PART IV	BID ITEMS

PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 11

CONTRACT ID - 252240
MP067GR25P023-FD51
COUNTY - LETCHER
PCN - MP067186225W1
FD51 067 1862 000-010

PINE CREEK/THORNTON (KY 1862) (MP 0.134) FROM 707 NORTH OF PINE CREEK/CROSSOVER ROAD
EXTENDING NORTH TO 0.309 MILES
SOUTH OF KY 931 (MP 9.454), A DISTANCE OF 09.32 MILES.FLOOD REPAIR FOR FEMA
GEOGRAPHIC COORDINATES LATITUDE 37:10:00.00 LONGITUDE 82:46:30.00
ADT 2,030

PCN - MP067340225W1
FD51 067 3402 000-002

LITTLE DRY FORK ROAD (KY 3402) (MP 0.062) FROM 327 FEET NORTH OF KY 15 EXTENDING NORTH TO 63
FEET SOUTH OF CHARLIE CORNETT ROAD (MP 1.640), A DISTANCE OF 01.58 MILES.FLOOD REPAIR FOR FEMA
GEOGRAPHIC COORDINATES LATITUDE 37:09:00.00 LONGITUDE 82:50:00.00
ADT 485

PCN - MP067341025W1
FD51 067 3410 000-001

CRAM CREEK ROAD (KY 3410) (MP 0.080) FROM 422 FEET NORTH OF GREAT OAK ROAD EXTENDING NORTH
TO 1,362 FEET SOUTH OF UNNAMED ROAD (MP 0.825), A DISTANCE OF 0.75 MILES.FLOOD REPAIR FOR FEMA
GEOGRAPHIC COORDINATES LATITUDE 37:08:00.00 LONGITUDE 82:46:00.00
ADT 215

COMPLETION DATE(S):
COMPLETED BY 12/31/2025 SPECIFIED COMPLETION DATE - ALL ITEMS IN CONTRACY

CONTRACT NOTES

INSURANCE

Refer to Kentucky Standard Specifications for Road and Bridge Construction, current edition.

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) 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 email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

The deadline for posting answers will be 3:00 pm Eastern Daylight Time, the day preceding the Letting. Questions may be submitted until this deadline with the understanding that the later a question is submitted, the less likely an answer will be able to be provided.

The questions and answers will be posted for each Letting under the heading "Questions & Answers" on the Construction Procurement website (www.transportation.ky.gov/construction-procurement). 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 state agency certifies that it is in compliance with the provisions of KRS 45A.150, "Access to contractor's books, documents, papers, records, or other evidence directly pertinent to the contract." The Contractor, as defined in KRS 45A.030, 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 agreement for the purpose of financial audit or program review. 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. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the agreement and shall be exempt from disclosure as provided in KRS 61.878(1)(c).

BOYCOTT PROVISIONS

If applicable, the contractor represents that, pursuant to [KRS 45A.607](#), they are not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade. **Note:** The term Boycott does not include actions taken for bona fide business or economic reasons, or actions specifically required by federal or state law.

If applicable, the contractor verifies that, pursuant to KRS 41.480, they do not engage in, and will not for the duration of the contract engage in, in energy company boycotts as defined by KRS 41.472.

LOBBYING PROHIBITIONS

The contractor represents that they, and any subcontractor performing work under the contract, have not violated the agency restrictions contained in [KRS 11A.236](#) during the previous ten (10) years, and pledges to abide by the restrictions set forth in such statute for the duration of the contract awarded.

The contractor further represents that, pursuant to [KRS 45A.328](#), they have not procured an original, subsequent, or similar contract while employing an executive agency lobbyist who was convicted of a crime related to the original, subsequent, or similar contract within five (5) years of the conviction of the lobbyist.

Revised: 1/1/2025

1.0 BUY AMERICA REQUIREMENT.

Follow the “Buy America” provisions as required by 23 U.S.C. § 313 and 23 C.F.R. § 635.410. Except as expressly provided herein all manufacturing processes of steel or iron materials including but not limited to structural steel, guardrail materials, corrugated steel, culvert pipe, structural plate, prestressing strands, and steel reinforcing bars shall occur in the United States of America, including the application of:

- Coating,
- Galvanizing,
- Painting, and
- Other coating that protects or enhances the value of steel or iron products.

The following are exempt, unless processed or refined to include substantial amounts of steel or iron material, and may be used regardless of source in the domestic manufacturing process for steel or iron material:

- Pig iron,
- Processed, pelletized, and reduced iron ore material, or
- Processed alloys.

The Contractor shall submit a certification stating that all manufacturing processes involved with the production of steel or iron materials occurred in the United States.

Produce, mill, fabricate, and manufacture in the United States of America all aluminum components of bridges, tunnels, and large sign support systems, for which either shop fabrication, shop inspection, or certified mill test reports are required as the basis of acceptance by the Department.

Use foreign materials only under the following conditions:

- 1) When the materials are not permanently incorporated into the project; or
- 2) When the delivered cost of such materials used does not exceed 0.1 percent of the total Contract amount or \$2,500.00, whichever is greater.

The Contractor shall submit to the Engineer the origin and value of any foreign material used.

2.0 – BUILD AMERICA, BUY AMERICA (BABA)

Contractor shall comply with the Federal Highway Administration (FHWA) Buy America Requirement in 23 C.F.R. § 635.410 and all relevant provisions of the Build America, Buy America Act (BABA), contained within the Infrastructure Investment and Jobs Act, Pub. L. No. 117-58, §§ 70901-52 enacted November 15, 2021. The BABA requires iron, steel, manufactured products, and construction materials used in infrastructure projects funded by federal financial assistance to be produced in the United States. Comply with 2 C.F.R § 184.

BABA permits FHWA participation in the Contract only if domestic steel and iron will be used on the Project. To be considered domestic, all steel and iron used, and all products manufactured from steel and iron must be produced in the United States and all manufacturing processes, including application of a coating, for these materials must occur in the United States. Coating includes all processes that protect or enhance the value of the material to which the coating is applied. This requirement does not preclude a minimal use of foreign steel and iron materials, provided the cost of such materials does not exceed 0.1% of the total contract amount under the Contract or \$2,500.00 whichever is greater.

BABA permits FHWA participation in the Contract only if all “construction materials” as defined in the Act are made in the United States. The Buy America preference applies to the following construction materials

SPECIAL NOTE – BUY AMERICA REQUIREMENTS AND BUILD
AMERICA, BUY AMERICA (BABA) ACT

10/26/2023

incorporated into infrastructure projects: non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables); glass (including optic glass); Fiber optic cable; optical fiber; lumber; engineered wood; and drywall. Contractor will be required to use construction materials produced in the United States on this Project. The Contractor shall submit a certification stating that all construction materials are certified to be BABA compliant.

Finally, BABA permits the continuation of FHWA's current general applicability waivers for manufactured products, raw materials, and ferryboat parts, but these waivers are subject to reevaluation, specifically the general applicability waiver for manufactured products.

The Contractor has completed and submitted, or shall complete and submit, to the Cabinet a Buy America/Build America, Buy America Certificate prior to the Cabinet issuing the notice to proceed, in the format below. After submittal, the Contractor is bound by its original certification.

A false certification is a criminal act in violation of 18 U.S.C. § 1001. The Contractor has the burden of proof to establish that it is in compliance.

At the Contractor's request, the Cabinet may, but is not obligated to, seek a waiver of Buy America requirements if grounds for the waiver exist under 23 C.F.R. § 635.410(c) or will comply with the applicable Buy America requirements if a waiver of those requirements is not available or not pursued by the Cabinet.

Please refer to the Federal Highway Administration's Buy America webpage for more information.

[Buy America - Construction Program Guide - Contract Administration - Construction - Federal Highway Administration \(dot.gov\)](#)

October 26, 2023 Letting

BUY AMERICA / BUILD AMERICA, BUY AMERICA (ACT) MATERIALS CERTIFICATE OF COMPLIANCE

The Contractor hereby certifies that it will comply with all relevant provisions of the Build America, Buy America Act, contained within the Infrastructure Investment and Jobs Act, Pub. L. NO. 117-58, §§ 70901-52, the requirements of 23 U.S.C. § 313, 23 C.F.R. § 635.410 and 2 C.F.R § 184.

Date Submitted:_____

Contractor:_____

Signature:_____

Printed Name:_____

Title:_____

NOTE: THIS CERTIFICATION IS IN ADDITION TO ANY AND ALL REQUIREMENTS OUTLINED IN THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND/OR SPECIAL NOTES CONTAINED IN THE PROJECT PROPOSAL.

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 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 SLIDE REPAIR

I. DESCRIPTION

Except as provided herein, perform all work in accordance with the Department's 2019 Standard and Supplemental Specifications, Special Provisions and Special Notes, and 2020 Standard and Sepia Drawings, current editions. Article references are to the Standard Specifications. Perform the following work:

(1) Maintain and Control Traffic; (2) Site Preparation and Erosion Control; (3) Excavation; (4) Furnish and install Drilled Railroad Rails; (5) Furnish and install Wall Cribbing; (6) Furnish and install Geotextile Fabric and backfill cribbed railroad rails; (7) Furnish and install Channel Lining; (8) Reconstruct shoulders; (9) Remove and Reset Guardrail and furnish and install new End Treatments; (10) Staking; (11) Restoration and final dressing; and (12) All other work required by the contract.

II. MATERIALS & EQUIPMENT

Except as provided herein or as directed by the Engineer, the Department will sample and test all materials in accordance with the Department's Sampling Manual. 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 unless otherwise specified in these Notes.

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

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

C. Railroad Rails. Furnish new or recycled used railroad rails classified with a nominal weight of 132 lb/yd or greater. Use only visibly straight recycled railroad rails with no splices. The Engineer will verify rail nominal weights by manufacturer's stamp. Provide Certification for nominal weight if the manufacturer's stamp is unidentifiable.

D. Wall Cribbing. Furnish Steel "W" Beam Guardrail elements, new or used, in 12.5-foot lengths. Use only structurally sound and rust-free straight elements. The Engineer will use visual inspection to determine acceptability. The Engineer may approve other material deemed capable of permanently restraining the granular backfill.

E. Backfill Material for Drilled Sockets. Furnish the following for backfill material for drilled sockets: concrete; free flowing sand; pea gravel; crushed limestone; or crushed sandstone. Use backfill material with one hundred percent (100%) passing a one-half (1/2) inch sieve. Do not use auger tailings. The Engineer will use visual inspection and/or material testing, as applicable to determine acceptability.

F. Backfill for Crib Wall. Furnish Crushed Limestone Size No. 2 or Size No. 23 meeting the requirements of Section 805. The Engineer will use visual inspection and/or material testing to determine acceptability.

G. Dense Graded Aggregate. See Section 302.02. Do not furnish Crushed Stone Base In lieu of Dense Graded Aggregate (DGA).

H. Seeding and Protection. Furnish Seed Mixture No. 1. See Special Note for Erosion Control.

I. Geotextile Fabric. Furnish Geotextile Fabric Class 1 according to Section 843.

J. Guardrail. See Special Note for Guardrail.

K. Offset Drill. Use a truck or track mounted drill capable of drilling a 9-5/8 to 12 inch diameter hole as required by the railroad rails diameter in soil and rock, capable of installing railroad steel up to forty (40) feet in length and weighing up to 140 lbs. per linear yard minimum. Equip the drill with rigging to lift entire lengths of rail and place and seat in the bottom of drilled holes. The drill must be capable of drilling and installing railroad rails in a double or triple row arrangement if necessary (see Figure 3). Drill must be capable to reach out (offset) a minimum of 6 (six) feet from side of drill carrier vehicle to center of drilled hole and be capable of installing the drilled steel a minimum of 4 feet from paved shoulder. Drill rig configuration should minimize protruding into opposing lane of traffic, allowing opposite lane of traffic to remain open as much as possible.

L. Channel Lining Class II & III. See Section 805.13.

III. CONSTRUCTION METHODS

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

B. Staking. See Special Note for Staking,

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

D. 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; temporary pollution and erosion control; disposal, of excess and waste materials and debris; and final dressing, cleanup, and seeding and protection. The Department has not determined the area to be Cleared and Grubbed and the bidder must draw his own conclusions. If roadway signs are in the construction areas, be responsible for removing, storing, protecting, and resetting the signs. Cover any remaining signs that are not applicable during construction. Replace signs damaged by Contractor's operations or negligence at no additional cost to the Department.

E. Drilled Railroad Rails. See attached summary for site locations and estimated quantities of materials required. Contrary to the attached tables and drawings for drilled railroad rails, install only one (1) row of railroad rails on three (3) foot centers. The Department has not determined the depth to solid rock and the bidder must draw his own conclusions.

THE DEPARTMENT WILL ALLOW ABSOLUTELY NO CHANGE IN SCOPE OF WORK OR INCREASE IN QUANTITIES WITHOUT PRIOR WRITTEN APPROVAL FROM THE SECTION ENGINEER OR THE DISTRICT ENGINEER. THE DEPARTMENT WILL NOT BE LIABLE FOR PAYMENTS DUE TO UNAUTHORIZED ADDITIONAL WORK.

Install drilled railroad rail piling in drilled sockets in rock or stable material under the landslides (see Figure 1) or the eroded areas (see Figure 2) as project location dictates or as directed by the Engineer. Drill the socket and install the railroad rails into holes at slide locations. Drill sockets into solid rock, if possible. The Department will monitor each hole, which will serve as a sounding for the rail to be installed in it. Embed the railroad rail into solid rock no less than one-half the free end length of the rail (See figure 1 and figure 2). If solid rock cannot be obtained, the Engineer will determine the length of embedment required in other stable foundation. Allow adequate size of the drilled socket to allow free insertion of the railroad rail, but the maximum socket size is 1 foot in diameter.

After drilling each hole, immediately install railroad rail with the flanges positioned perpendicular to the direction of the landslide or break (see Figure 3, Case II and Case III). Determine the length of rail needed to reestablish pavement and shoulder typical section. Install rails into the drilled holes and seat the rail to provide firm bearing in the bottom of drilled holes. Cut off excess rail flush with the proposed ground line. Use cutoffs elsewhere in the project if possible; retain possession of unusable cutoffs.

After installing each railroad rail, immediately backfill the drilled hole with the approved materials. Shovel the backfill material into the hole in small amounts. Avoid bridging between the rail and the sides of the hole. Do not use auger tailings as backfill material.

If double or triple rows are required, when approved stagger the rows to obtain the required spacing. Keep the spacing between the rows of rails as close as is practical; do not space between the rows more than two (2) feet, if possible. See Figure 3 Case II and Case III for the diagrams showing two (2) or three (3) rows of rails. Select the spacing as per Table 1 for all 132 pounds per yard rail or greater. The Department shall approve the selection prior to work being performed.

F. Installation of Wall Cribbing. Crib any exposed portion of railroad rail before placing backfill. Install cribbing as shown on Figure 1 or Figure 2 and the typical section and/or as directed by the Engineer. Extend wall cribbing two (2) feet below the existing ground line or 12 feet below the proposed roadway elevation, whichever is deeper. If bedded rock is encountered, install the cribbing to the bedded rock only. Install wall cribbing on the railroad rail piling. Lap, bolt or weld, and attach cribbing solid to the drilled railroad rails. The Engineer may direct changes to these procedures.

G. Excavation and Backfill for Embankment Repair. Excavate each repair area as directed by the Engineer to provide a platform for drilling the railroad rails; place cribbing and granular backfill; and excavation as necessary for slopes, ditches, shoulders, and drainage. Limit damage to or removal of the existing pavement. The Engineer may direct that the excavating equipment bucket size and width be adjusted to achieve the excavation minimizing damage to the pavement, utilities, drill steel, etc. After drilling, place geotextile fabric, and then backfill behind cribbed railroad rails. Construct backfill up to approximately four (4) inches below the existing pavement elevation. Place the backfill in lifts of two (2) feet or less in such a way as to limit settlement to the area and tamp with excavator bucket. Roll the final lift with excavation equipment to ensure the backfill is fully compacted. Place and compact four (4) inches of DGA to provide proper template for the guardrail. Do not pond water on the shoulder area or at the shoulder edge.

H. Excavation for Channel Lining. Excavate for shoulder repair as directed by the Engineer.

I. Channel Lining. Construct repair with Channel Lining Class II and III as directed by the Engineer. Place and compact four (4) inches of DGA to provide proper template for the shoulder and/or guardrail. Do not pond water on the shoulder area or at the shoulder edge.

J. Guardrail. See Special Note for Guardrail.

K. Restoration, Final Dressing, Seeding and Protection. Do not use excavated spoil material from the site as fill material. Warp and tie slopes into adjacent undisturbed slopes and ditches. Provide positive drainage upon completion of construction. Apply Final Dressing Class A to all disturbed earthen areas, both on and off the right-of-way. Sow with Seed Mixture No. 1.

L. Disposal of Waste. Waste debris from tree and brush removal and excavation on the Right-of-Way at locations designate by the Engineer. Do not use excavation from the site as fill material or waste in flood prone areas or streams. If suitable locations do not exist dispose of the debris at sites off the Right-of-Way obtained by the Contractor at no additional cost to the Department. Dispose of all removed concrete 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.

M. On-Site Inspection. Make a thorough inspection of each site prior to submitting a bid

and be thoroughly familiar with the existing conditions so that the work can be expeditiously performed after a contract is awarded. The Department will consider s submission of a bid evidence of this inspection having been made.

N. 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.

O. 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.

P. 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 the Contractor's operations at no additional cost to the Department.

Q. 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 according to the Special Note for Erosion Control.

IV. METHOD OF MEASUREMENT

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

B. Site Preparation. The Department will measure Site Preparation as a single Lump Sum for the sites listed for payment on the project. The Department will not measure Clearing and Grubbing, Final Dressing, Seeding and Protection, and Waste Disposal, but shall be incidental to Site Preparation.

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

D. Railroad Rails-Drilled. The Department will measure Drilled Railroad Rails in Linear Feet of finished in-place length. The Department will not measure cutoffs, excess, and waste. If the Engineer determines from the sounding obtained at a drilled socket that railroad rail piling cannot be used in that socket, the depth of the socket shall be measured, and 50% of the depth shall be paid as "Railroad Rails-Drilled".

E. Wall Cribbing. The Department will measure Cribbing in square feet of finished in-place area. The Department will not measure laps, cutoffs, excess, and waste.

F. Geotextile Fabric Class 1. The Department will field measure the quantity in square yards of finished in place area. The Department will not measure laps, seams, cut offs, excess, or waste.

G. Excavation and Backfill (Drilled Rail Road Rails). The Department will field measure Excavation and Backfill in cubic yards according to Section 204.04.08.

H. Excavation (Channel Lining). The Department will field measure Excavation and Backfill in cubic yards according to Section 204.04.08.

I. Channel Lining Class II & III. See Section 703.04.05.

J. Dense Graded Aggregate. See Section 302.04

K. Guardrail. See Special Note for Guardrail.

V. BASIS OF PAYMENT

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

B. Site Preparation. Accept payment at the Contract Lump Sum unit prices as full compensation for all materials, labor, and equipment for all site preparation, including but not limited to, clearing and grubbing, excavation, embankment, and removal of all obstructions or any other items; disposal, of excess and waste materials and debris; and final dressing, cleanup, and seeding and protection.

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

D. Railroad Rail-Drilled. Accept payment at the Contract unit price as full compensation for all materials, labor, equipment, and incidentals for drilling the socket, furnishing and installing the railroad rails, and backfilling the socket around the installed rail.

E. Wall Cribbing. Accept payment at the Contract unit price as full compensation for all materials, labor, equipment, and incidentals for furnishing, installing, and attaching the cribbing on the drilled railroad rails.

F. Geotextile Fabric Class 1. Accept payment at the Contract unit price as full compensation for all materials, labor, equipment, and incidentals for furnishing and installing the Geotextile Fabric.

G. Excavation and Backfill (Drilled Rail Road Rails). Accept payment at the Contract unit price as full compensation for all materials, labor, equipment, and incidentals for excavating and backfilling the cribbed railroad rails.

H. Excavation (Channel Lining). Accept payment at the Contract unit price as full compensation for all materials, labor, equipment, and incidentals for excavating for shoulder repair.

I. Channel Lining Class II & III. See Section 703.05.

J. Dense Graded Aggregate. See Section 302.05

K. Guardrail. See Special Note for Guardrail.

SPECIAL NOTE FOR CONTRACTOR STAKING

Contrary to Section 201, perform only the following items:

1. Be responsible for field layout of the drilled railroad rails on designated spacing; and
2. Control the drilling and setting of the railroad rails to ensure the rails are plumb and installed at the designated spacing; and
3. Determine the height of rail that is needed to reestablish pavement and shoulder typical section and mark cut-offs; and
4. Establish proper slope elevations and ratios, shoulder widths, existing ditch profiles, and final ditch profiles to insure positive drainage during and upon completion of construction.

Except as provided herein, the Department will perform Staking.

Contrary to Section 201, the Department will not measure Contractor Staking for separate payment, but shall be incidental to the applicable items of the work.

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 OTHER CONTRACTS

Be advised, there may be an active project(s) adjacent to or within this project. The Engineer will coordinate the work of the Contractors. See Section 105.06.

1-3193 Coordination Contracts
01/02/2012

SPECIAL NOTE FOR SHOULDER PREPARATION

Grade, shape, and compact shoulder as shown on the typical section and as directed by the Engineer to provide proper template and foundation for the shoulder resurfacing. The Department will not measure grading, shaping, and compacting shoulders for separate payment, but shall be incidental to the asphalt base and/or surface placed on the shoulder.

1-3245 Shoulder Preparation Contractor
01/02/2012

SPECIAL NOTES FOR GUARDRAIL

I. DESCRIPTION

Except as specified herein, perform all work in accordance with the Department's 2019 Standard and Supplemental Specifications and the 2030 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) Remove and Reset existing guardrail systems; (3) Construct guardrail systems; (4) Furnish and install Delineators for guardrail; (5) Maintain and Control Traffic; and (6) 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 and Sepia Drawings, except use steel posts only, no alternates.

C. Delineators for Guardrail. Furnish Delineators for Guardrail according to Standard Drawing RBR-055-01.

D. Erosion Control. See Special Notes for Erosion Control.

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; filling voids left as the result of removing existing guardrail and guard posts with dry sand; 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.

Guardrail

Page 2 of 3

C. Remove & Reset Guardrail. Remove and Reset existing guardrail as shown on the Summaries or as directed by the Engineer according to Section 719.03.03 and 719.03.07, except deliver any salvageable components not reset to the Department's Letcher County maintenance facility. Reset Guardrail according to paragraph D below. **If the Engineer determines that work on a channel lining repair site can be done with the guardrail left in place, the Engineer may delete Remove and Reset Guardrail at that site.**

D. Guardrail. Except as specified herein, construct guardrail systems according to Section 719 and the Standard and Sepia Drawings. Consider locations listed on the summary and/or shown on the drawings to be approximate only. The Engineer will determine the exact termini for individual guardrail installations at the time of construction. Unless directed otherwise by the Engineer, match the existing shoulder widths.

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 removing existing guardrail and installing new 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.

E. Delineators for Guardrail. Install delineators for guardrail according to Standard Drawing RBR-055-01, except space at 50 feet on centers.

F. 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.

G. 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 to the Department.

H. 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.

Guardrail
Page 3 of 3

I. Disposal of Waste. Dispose of all removed concrete, timber posts, 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.

J. 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 according to the Special Notes for Erosion Control.

K. Erosion Control. See Special Notes for Erosion Control.

IV. METHOD OF MEASUREMENT

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

B. Site preparation. The Department will measure Site Preparation as one (1) Lump Sum for the listed sites.

C. Guardrail and Remove Guardrail. See Section 719.04.

D. Delineators for Guardrail. See Standard Drawing RBR-055-01.

E. Erosion Control. See Special Notes for Erosion Control.

V. BASIS OF PAYMENT

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

B. Site Preparation. Accept payment at the Contract Lump Sum unit price as full compensation for all materials, labor, and equipment for all site preparation, including but not limited to, clearing and grubbing, excavation, embankment, and removal of all obstructions or any other items; disposal, of excess and waste materials and debris; and final dressing, cleanup, and seeding and protection.

C. Guardrail and Remove Guardrail. See Section 719.05.

D. Delineators for Guardrail. See Standard Drawing RBR-055-01.

E. Erosion Control. See Special Notes for Erosion Control.

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

TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the current Standard Specifications and the Standard 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, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work.

PROJECT PHASING & CONSTRUCTION PROCEDURES

At this time, no restrictions are anticipated. At the discretion of the Engineer, additional days and hours may be added when lane closures will not be allowed.

The Contractor may maintain alternating one way traffic during construction. The clear lane width shall be 9 Feet. If traffic should be stopped due to construction operations, and a school bus on an official run arrives on the scene, the Contractor shall make provisions for the passage of the bus as quickly as possible. The Contractor shall provide additional traffic control or flag persons as directed by the Engineer.

If the work site conditions require that all traffic be stopped while the drilling operation is in progress, traffic may be stopped for the length of time required to drill and set one rail. All waiting traffic shall be allowed to pass before starting the next hole. If an emergency vehicle or school bus is present in the queue, stop drilling and allow traffic to pass immediately.

LANE CLOSURES

Lane closures shall not be left in place during non-working hours.

SIGNS

Sign posts and splices shall be compliant with NCHRP 350 or MASH. Manufacturer's documentation validating this compliance shall be provided to the Engineer prior to installation. Signs, including any splices, shall be installed according to manufacturer's specifications and installation recommendations. 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

Traffic Control Plan
Page 2 of 2

(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.

BARRICADES

Barricades used in lieu of barrels and cones for channelization or delineation will be incidental to Maintain and Control Traffic according to Section 112.04.01. Barricades used to protect pavement or shoulder removal areas or drop offs will be bid as each according to Section 112.04.04.

PAVEMENT EDGE DROP-OFFS

A pavement edge between opposing directions of traffic or lanes that traffic is expected to cross in a lane change situation shall not have an elevation difference greater than 1½". Warning signs (MUTCD W8-11 or W8-9 or W8-9A) shall be placed in advance of and at 1500 foot intervals throughout the drop-off area. Dual posting on both sides of the traveled way shall be required. Dual posting on both sides of the traveled way shall be required. All transverse transitions between newly surfaced pavement and the existing pavement areas that traffic may cross shall be wedged with asphalt mixture for leveling and wedging. Remove wedges prior to placement of the final surface course.

Pavement edges that traffic is not expected to cross, except accidentally, shall be treated as follows:

Less than or equal to 2" - No protection required. Warning signs should be placed in advance and throughout the drop-off area.

2" to 4" - Place plastic drums, vertical panels, or barricades every 50 feet. Wedge with asphalt mixture for pavement wedge with a 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours, when work is not active in the drop-off area.

Greater than 4" - Place Type III Barricades directly in front of drop-off facing oncoming traffic in both directions. Place plastic drums, vertical panels, or barricades every 25 feet.

SPECIAL NOTE FOR EROSION CONTROL

I. DESCRIPTION

Perform all erosion and water pollution control work in accordance with the Department's Standard and Interim Supplemental Specifications, Special Provisions and Special Notes, and Standard and Sepia Drawings, current editions, and as directed by the Engineer. Section references are to the Standard Specifications. This work shall consist of:

(1) Developing and preparing a Best Management Practices Plan (BMP) tailored to suit the specific construction phasing for each site within the project; (2) Preparing the project site for construction, including locating, furnishing, installing, and maintaining temporary and/or permanent erosion and water pollution control measures as required by the BMP prior to beginning any earth disturbing activity on the project site; (3) Clearing and grubbing and removal of all obstructions as required for construction; (4) Removing all erosion control devices when no longer needed; (5) Restoring all disturbed areas as nearly as possible to their original condition; (6) Preparing seedbeds and permanently seeding all disturbed areas; (7) Providing a Kentucky Erosion Prevention and Sediment Control Program (KEPSC-RI) qualified inspector; and (8) Performing any other work to prevent erosion and/or water pollution as specified by this contract, required by the BMP, or as directed by the Engineer.

II. MATERIALS

Furnish materials in accordance with these notes, the Standard Specifications and Interim Supplemental Specifications, and applicable Special Provisions and Special Notes, and Standard and Sepia Drawings, current editions. Provide for all materials to be sampled and tested in accordance with the Department's Sampling Manual. Unless directed otherwise by the Engineer, 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.

III. CONSTRUCTION

Be advised, these Erosion Control Plan Notes do not constitute a BMP plan for the project. Jointly with the Engineer, prepare a site specific BMP plan for each drainage area within the project in accordance with Section 213. Provide a unique BMP at each project site using good engineering practices taking into account existing site conditions, the type of work to be performed, and the construction phasing, methods and techniques to be utilized to complete the work. Be responsible for all erosion prevention, sediment control, and water pollution prevention measures required by the BMP for each site. Represent and warrant compliance with the Clean Water Act (33 USC Section 1251 et seq.), the 404 Permit, the 401 Water Quality Certification, and applicable state and local government agency laws, regulations, rules, specifications, and permits. Contrary to Section 105.05, in case of discrepancy between theses notes, the Standard Specifications, Interim Supplemental Specifications, Special and Special Notes, Standard and Sepia Drawings, and such state and local government agency requirements, adhere to the most restrictive requirement.

Erosion Control

Page 2 of 3

Conduct operations in such a manner as to minimize the amount of disturbed ground during each phase of the construction and limit the haul roads to the minimum required to perform the work. Preserve existing vegetation not required to be removed by the work or the contract. Seed and/or mulch disturbed areas at the earliest opportunity. Use silt fence, silt traps, temporary ditches, brush barriers, erosion control blankets, sodding, channel lining, and other erosion control measures in a timely manner as required by the BMP and as directed or approved by the Engineer. Prevent sediment laden water from leaving the project, entering an existing drainage structure, or entering a stream.

Provide for erosion control measures to be in place and functioning prior to any earth disturbance within a drainage area. Compute the volume and size of silt control devices necessary to control sediment during each phase of construction. Remove sediment from silt traps before they become a maximum of ½ full. Maintain silt fence by removing accumulated trappings and/or replacing the geotextile fabric when it becomes clogged, damaged, or deteriorated, or when directed by the Engineer. Properly dispose of all materials trapped by erosion control devices at approved sites off the right of way obtained by the Contractor at no additional cost to the Department (See Special Note for Waste and Borrow).

As work progresses, add or remove erosion control measures as required by the BMP applicable to the Contractor's project phasing and construction methods and techniques. Update the volume calculations and modify the BMP as necessary throughout the duration of the project. Ensure that an updated BMP is kept on site and available for public inspection throughout the life of the project.

After all construction is complete, restore all disturbed areas in accordance with Section 212. Completely remove all temporary erosion control devices not required as part of the permanent erosion control from the construction site. Prior to removal, obtain the Engineer's concurrence of items to be removed. Grade the remaining exposed earth (both on and off the Right-of-Way) as nearly as possible to its original condition, or as directed by the Engineer. Prepare the seed bed areas and sow all exposed earthen areas with the applicable seed mixture(s) according to Section 212.03.03.

IV. MEASUREMENT

Erosion Control Blanket. If required by the BMP, the Department will measure Erosion Control Blanket according to Section 212.04.07.

Sodding. If required by the BMP, the Department will measure Sodding according to Section 212.04.08.

Channel Lining. If required by the BMP, the Department will measure Channel Lining according to Sections 703.04.04-703.04.07.

Erosion Control. Contrary to Sections 212.04, 213.04, and 703.04 other than Erosion Control Blankets, Sodding, and Channel Lining, the Department will measure Erosion Control as one lump sum. The Department will not measure developing, updating, and maintaining a BMP plan for each site; providing a KEPSC-RI qualified inspector; locating,

Erosion Control

Page 3 of 3

furnishing, installing, inspecting, maintaining, and removing erosion and water pollution control items; Roadway Excavation, Borrow Excavation, Embankment In Place, Topsoil Furnished and Placed, and Spreading Stockpiled Topsoil; Topdressing Fertilizer, Temporary and Permanent Seeding and Protection, Special Seeding Crown Vetch, and Temporary Mulch; Sedimentation Basin and Clean Sedimentation Basin, Silt Trap Type "A" and Clean Silt Trap Type "A"; Silt Trap Type "B" and Clean Silt Trap Type "B"; Silt Trap Type "C" and Clean Silt Trap Type "C"; Temporary Silt Fence and Clean Temporary Silt Fence; Plants, Vines, Shrubs, and Trees; Gabion and Dumped Stone Deflectors and Riffle Structures; Boulders; Temporary Ditches and clean Temporary Ditches; Geotextile Fabric, and all other erosion and water pollution control items required by the BMP or the Engineer, but shall be incidental to Erosion Control.

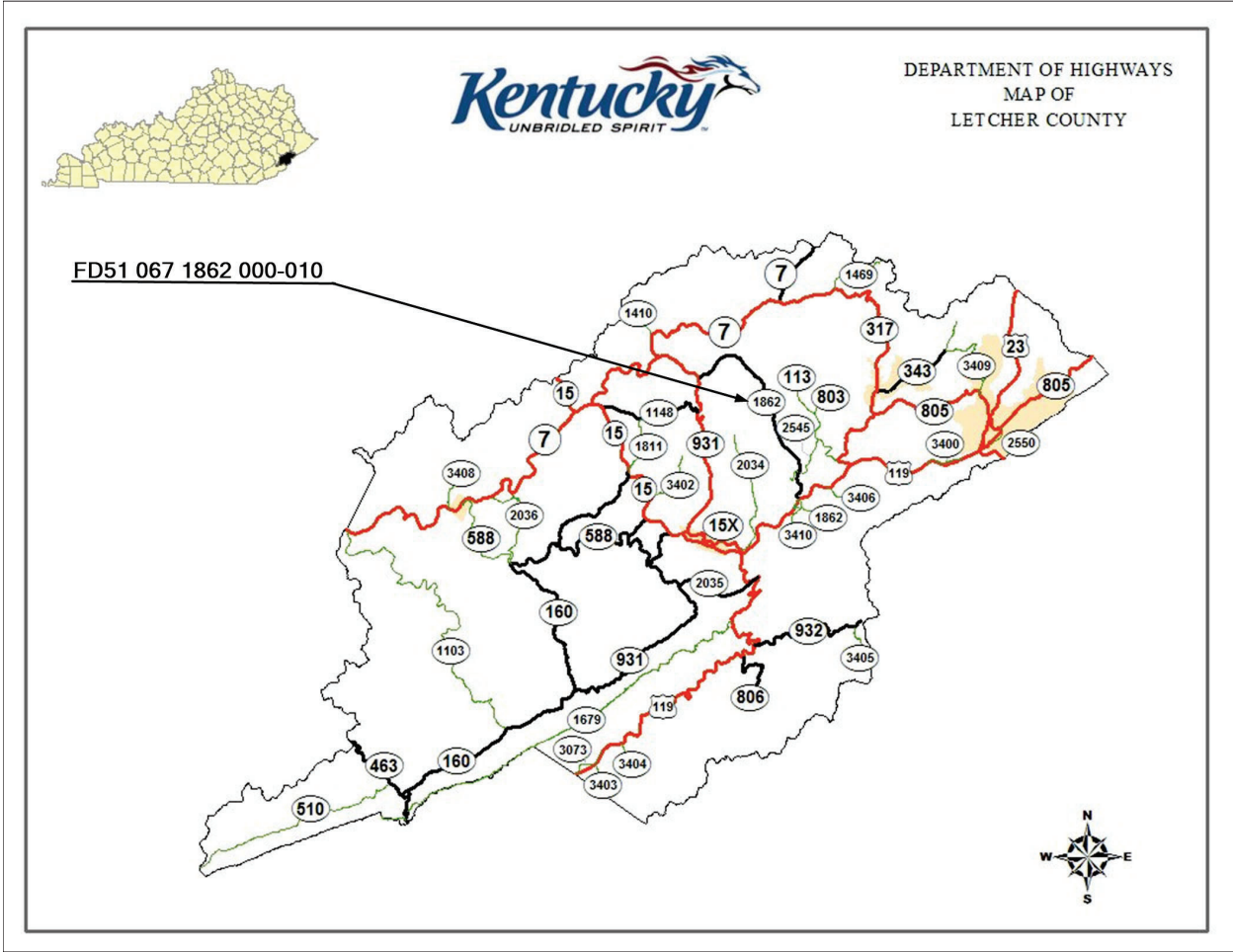
V. Basis of Payment

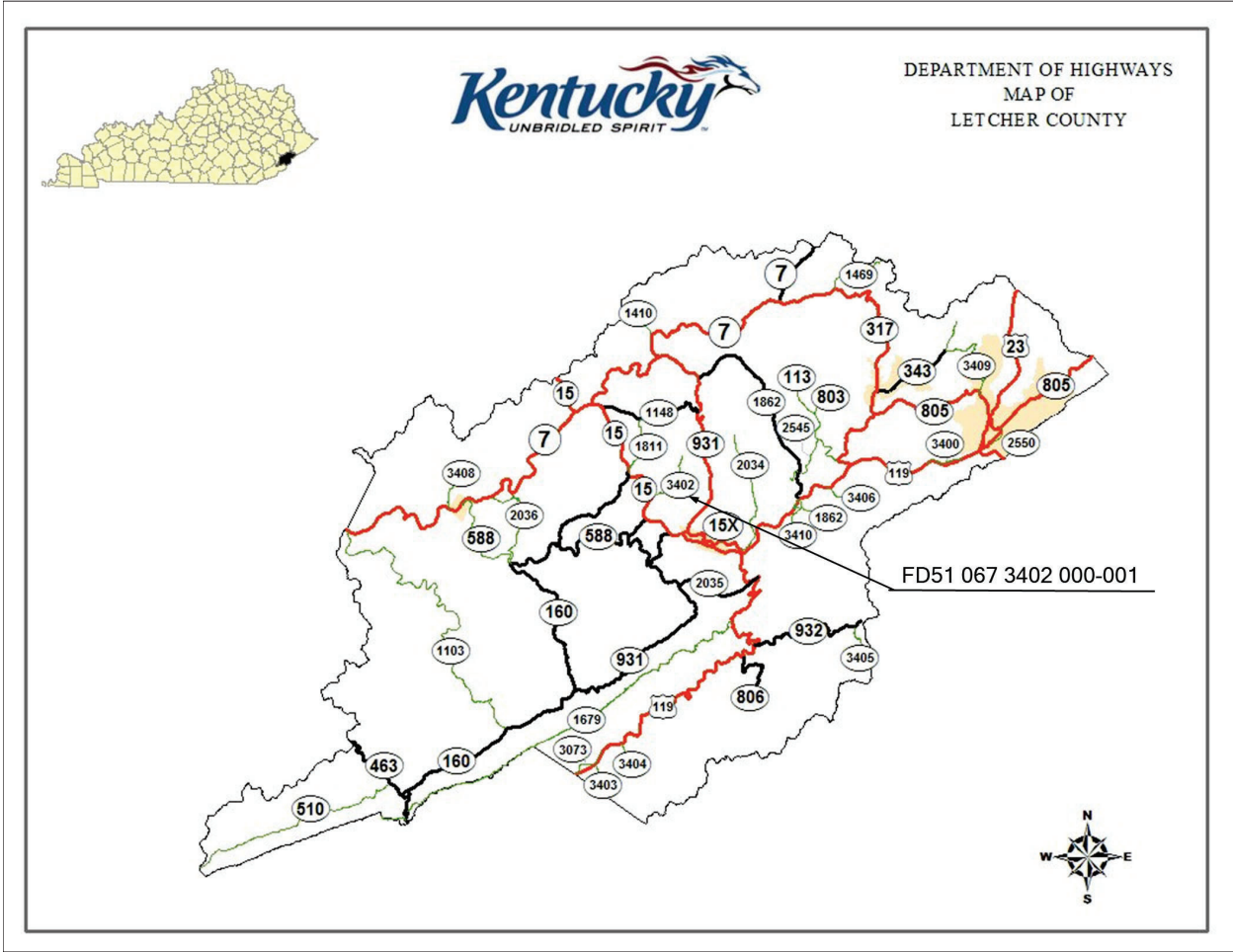
Erosion Control Blanket. If not listed as a bid item, but required by the BMP, the Department will pay for Erosion Control Blankets as Extra Work according to Sections 104.03 and 109.04.

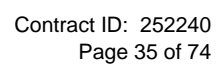
Sodding. If not listed as a bid item, but required by the BMP, the Department will pay for Sodding as Extra Work according to Sections 104.03 and 109.04.

Channel Lining. If not listed as a bid item, but required by the BMP, the Department will pay for Channel Lining as Extra Work according to Sections 104.03 and 109.04.

Erosion Control. Contrary to Sections 212.05 and 213.05, other than Erosion Control Blanket, Sodding, and Channel Lining, payment at the Contract lump sum price for Erosion Control, shall be full compensation for all materials, equipment, labor and incidentals necessary to complete the erosion and water pollution control work as specified in these notes, Sections 212 and 213, the Supplemental Specifications, applicable Special Provisions and Special Notes, and Standard and Sepia Drawings, including but not limited to developing, updating, and maintaining a BMP plan for each site; providing a KEPSC-RI qualified inspector; locating, furnishing, installing, inspecting, maintaining, and removing erosion and water pollution control items; Roadway Excavation, Borrow Excavation, Embankment In Place, Topsoil Furnished and Placed, and Spreading Stockpiled Topsoil; Topdressing Fertilizer, Temporary and Permanent Seeding and Protection, Special Seeding Crown Vetch, and Temporary Mulch; Sedimentation Basin and Clean Sedimentation Basin, Silt Trap Type "A" and Clean Silt Trap Type "A"; Silt Trap Type "B" and Clean Silt Trap Type "B"; Silt Trap Type "C" and Clean Silt Trap Type "C"; Temporary Silt Fence and Clean Temporary Silt Fence; Plants, Vines, Shrubs, and Trees; Gabion and Dumped Stone Deflectors and Riffle Structures; Boulders; Temporary Ditches and clean Temporary Ditches; Geotextile Fabric and all other erosion and water pollution control items required by the BMP or the Engineer.







MATERIAL SUMMARY

CONTRACT ID: 252240

MP067GR25P023-FD51

MP067186225W1

PINE CREEK/THORNTON (KY 1862) FROM 707 NORTH OF PINE CREEK/CROSSOVER ROAD EXTENDING NORTH TO 0.309 MILES
SOUTH OF KY 931 FLOOD REPAIR FOR FEMA, A DISTANCE OF 9.32 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	134.00	TON
0010	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	25.00	EACH
0015	02187	SITE PREPARATION - (KY 1862 - SITE 1)	1.00	EACH
0020	02187	SITE PREPARATION - (KY 1862 - SITE 7)	1.00	EACH
0025	02187	SITE PREPARATION - (KY 1862 - SITES 16-17)	1.00	EACH
0030	02187	SITE PREPARATION - (KY 1862 - SITES 2A -2B)	1.00	EACH
0035	02187	SITE PREPARATION - (KY 1862 - SITES 3-6)	1.00	EACH
0040	02187	SITE PREPARATION - (KY 1862 SITE 11)	1.00	EACH
0045	02187	SITE PREPARATION - (KY 1862 SITE 18)	1.00	EACH
0050	02187	SITE PREPARATION - (KY 1862 SITE 19)	1.00	EACH
0055	02187	SITE PREPARATION - (KY 1862 SITE 8)	1.00	EACH
0060	02187	SITE PREPARATION - (KY 1862 SITE12)	1.00	EACH
0065	02187	SITE PREPARATION - (KY 1862 SITES 13A-15C)	1.00	EACH
0070	02187	SITE PREPARATION - (KY 1862 SITES 9-10)	1.00	EACH
0075	02351	GUARDRAIL-STEEL W BEAM-S FACE	675.00	LF
0080	02367	GUARDRAIL END TREATMENT TYPE 1	2.00	EACH
0085	02371	GUARDRAIL END TREATMENT TYPE 7	12.00	EACH
0090	02383	REMOVE & RESET GUARDRAIL	337.50	LF
0095	02396	REMOVE GUARDRAIL END TREATMENT - TYPE 7	5.00	EACH
0100	02483	CHANNEL LINING CLASS II	92.00	TON
0105	02484	CHANNEL LINING CLASS III	369.00	TON
0110	02562	TEMPORARY SIGNS	350.00	SQFT
0115	03234	RAILROAD RAILS-DRILLED	9,444.00	LF
0120	03235	EXCAVATION AND BACKFILL - - CRIB WALL	818.00	CUYD
0125	03236	CRIBBING	5,470.00	SQFT
0130	21415ND	EROSION CONTROL - (KY 1862 - SITE 1)	1.00	LS
0135	21415ND	EROSION CONTROL - (KY 1862 - SITE 11)	1.00	LS
0140	21415ND	EROSION CONTROL - (KY 1862 - SITE 12)	1.00	LS
0145	21415ND	EROSION CONTROL - (KY 1862 - SITE 7)	1.00	LS
0150	21415ND	EROSION CONTROL - (KY 1862 - SITE 8)	1.00	LS
0155	21415ND	EROSION CONTROL - (KY 1862 - SITES 13A-15C)	1.00	LS
0160	21415ND	EROSION CONTROL - (KY 1862 - SITES 16-17)	1.00	LS
0165	21415ND	EROSION CONTROL - (KY 1862 - SITES 18-19)	1.00	LS
0170	21415ND	EROSION CONTROL - (KY 1862 - SITES 2A-2B)	1.00	LS
0175	21415ND	EROSION CONTROL - (KY 1862 - SITES 3-6)	1.00	LS
0180	21415ND	EROSION CONTROL - (KY 1862 - SITES 9-10)	1.00	LS
0185	21554EN	EXCAVATION - - CHANNEL LINNING	146.00	CUYD
0190	21741NC	MAINTAIN & CONTROL TRAFFIC - (KY 1862)	1.00	EACH
0195	40176	FABRIC-GEOTEXTILE CLASS 1 - - FOR CHANNEL LINING	470.00	SQYD
0200	40176	FABRIC-GEOTEXTILE CLASS 1 - - FOR CRIBBING AND DRILLED RR RAILS	1,624.00	SQYD
0205	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 252240

MP067GR25P023-FD51

MP067340225W1

LITTLE DRY FORK ROAD (KY 3402) FROM 327 FEET NORTH OF KY 15 EXTENDING NORTH TO 63 FEET SOUTH OF CHARLIE CORNETT ROAD FLOOD REPAIR FOR FEMA, A DISTANCE OF 1.58 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0210	00001	DGA BASE	141.00	TON
0215	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	11.00	EACH
0220	02187	SITE PREPARATION - (KY 3402 - SITES1-2)	1.00	EACH
0225	02187	SITE PREPARATION - (KY 3402 - SITES 12-14B)	1.00	EACH
0230	02187	SITE PREPARATION - (KY 3402 - SITES 3A -4B)	1.00	EACH
0235	02187	SITE PREPARATION - (KY 3402 - SITES 5A-6)	1.00	EACH
0240	02187	SITE PREPARATION - (KY 3402 - SITES 7A-11C)	1.00	EACH
0245	02187	SITE PREPARATION - (KY 3402 SITES - 15-16)	1.00	EACH
0250	02351	GUARDRAIL-STEEL W BEAM-S FACE	275.00	LF
0255	02371	GUARDRAIL END TREATMENT TYPE 7	8.00	EACH
0260	02383	REMOVE & RESET GUARDRAIL	150.00	LF
0265	02396	REMOVE GUARDRAIL END TREATMENT - TYPE 7	4.00	EACH
0270	02483	CHANNEL LINING CLASS II	195.00	TON
0275	02484	CHANNEL LINING CLASS III	787.00	TON
0280	02562	TEMPORARY SIGNS	350.00	SQFT
0285	03234	RAILROAD RAILS-DRILLED	3,900.00	LF
0290	03235	EXCAVATION AND BACKFILL - - CRIB WALL	260.00	CUYD
0295	03236	CRIBBING	1,670.00	SQFT
0300	21415ND	EROSION CONTROL - (KY 3402 - SITES 1-2)	1.00	LS
0305	21415ND	EROSION CONTROL - (KY 3402 - SITES 12-14B)	1.00	LS
0310	21415ND	EROSION CONTROL - (KY 3402 - SITES 15-16)	1.00	LS
0315	21415ND	EROSION CONTROL - (KY 3402 - SITES 3A-4B)	1.00	LS
0320	21415ND	EROSION CONTROL - (KY 3402 - SITES 5A-6)	1.00	LS
0325	21415ND	EROSION CONTROL - (KY 3402 - SITES 7A-11C)	1.00	LS
0330	21554EN	EXCAVATION - - FOR CHANNEL LINNING	302.00	CUYD
0335	21741NC	MAINTAIN & CONTROL TRAFFIC - (KY 3402)	1.00	EACH
0340	40176	FABRIC-GEOTEXTILE CLASS 1 - - FOR CHANNEL LINING	1,073.00	SQYD
0345	40176	FABRIC-GEOTEXTILE CLASS 1 - - FOR CRIBBING	562.00	SQYD
0350	02569	DEMobilIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 252240

MP067GR25P023-FD51

MP067341025W1

CRAM CREEK ROAD (KY 3410) FROM 422 FEET NORTH OF GREAT OAK ROAD EXTENDING NORTH TO 1,362 FEET SOUTH OF UNNAMED ROAD FLOOD REPAIR FOR FEMA, A DISTANCE OF .75 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0355	00001	DGA BASE	56.00	TON
0360	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	11.00	EACH
0365	02187	SITE PREPARATION - (KY 3410 - SITE 2)	1.00	EACH
0370	02187	SITE PREPARATION - (KY 3410 - SITE 4)	1.00	EACH
0375	02187	SITE PREPARATION - (KY 3410 - SITES 3A-3B)	1.00	EACH
0380	02187	SITE PREPARATION - (KY 3410- SITE I)	1.00	EACH
0385	02351	GUARDRAIL-STEEL W BEAM-S FACE	187.50	LF
0390	02371	GUARDRAIL END TREATMENT TYPE 7	1.00	EACH
0395	02383	REMOVE & RESET GUARDRAIL	287.50	LF
0400	02396	REMOVE GUARDRAIL END TREATMENT - TYPE 7	3.00	EACH
0405	02483	CHANNEL LINING CLASS II	13.00	TON
0410	02484	CHANNEL LINING CLASS III	52.00	TON
0415	02562	TEMPORARY SIGNS	350.00	SQFT
0420	03234	RAILROAD RAILS-DRILLED	3,003.00	LF
0425	03235	EXCAVATION AND BACKFILL - - CRIB WALL	264.00	CUYD
0430	03236	CRIBBING	1,776.00	SQFT
0435	21415ND	EROSION CONTROL - (KY 3410 - SITE 1)	1.00	LS
0440	21415ND	EROSION CONTROL - (KY 3410 - SITE 2)	1.00	LS
0445	21415ND	EROSION CONTROL - (KY 3410 - SITE 4)	1.00	LS
0450	21415ND	EROSION CONTROL - (KY 3410 - SITES 3A-3B)	1.00	LS
0455	21554EN	EXCAVATION - - CHANNEL LINNING	20.00	CUYD
0460	21741NC	MAINTAIN & CONTROL TRAFFIC - (KY 3410)	1.00	EACH
0465	40176	FABRIC-GEOTEXTILE CLASS 1 - - FOR CHANNEL LINING	149.00	SQYD
0470	40176	FABRIC-GEOTEXTILE CLASS 1 - - FOR CRIBBING AND DRILLED RR RAILS	526.00	SQYD
0475	02569	DEMOBILIZATION	1.00	LS

SITE SUMMARY DRILLED RR RAILS
KY 1862

Site	Mile Point	Length	Cribbing Depth	Excavation Width	Depth to Rock	Number of Rows	Rail Spacing (FT)	Cribbing Amount (SQ FT)	Drilled RR Rails (FT)	Excav. & Backfill (CU YD)	Geotextile Fabric Type 1 (SQ YD)	DGA (Tons)
1	0.134	36	6	7			Site to be repaired using channel lining					
2A	0.506	47	13	4	26	1	4	611	507	91	157	5
2B	0.506	11	5	4			Site to be repaired using channel lining					
3	3.235	65	5	4	26	1	4	325	702	49	101	7
4	3.434	120	5	4	26	1	4	600	1209	89	187	12
5A	3.599	25	5	4	9	1	4	125	108	19	39	3
5B	3.599	60	5	4	26	1	4	300	624	45	93	6
6	3.792	138	4	4	26	1	4	552	1404	82	184	14
7	4.027	77	4	4			Site to be repaired using channel lining					
8	4.794	35	4	4	26	1	4	140	390	21	47	4
9	5.130	68	6	4	26	1	4	408	702	61	121	7
10	5.332	43	8	4	26	1	4	344	468	51	96	4
11	5.948	117	11	9			Site to be repaired using channel lining					
12	6.101	12	11	4	9	1	4	132	54	20	35	1
13A	6.508	22	6	4	26	1	4	132	273	20	39	2
13B	6.508	56	6	4	26	1	4	336	585	50	100	6
14	6.579	64	7	4	26	1	4	448	663	67	128	7
15A	6.698	45	5	4	26	1	4	225	507	34	70	5
15B	6.698	6	2	5			Site to be repaired using channel lining					
15C	6.698	34	2	5			Site to be repaired using channel lining					
16	7.915	29	2	3			Site to be repaired using channel lining					
17	8.039	32	5	4			Site to be repaired using channel lining					
18	8.267	52	10	4	26	1	4	520	546	78	139	5
19	9.454	68	4	4	26	1	4	272	702	41	91	7
TOTALS								5470	9444	818	1624	94

SITE SUMMARY CHANNEL LINING
KY 1862

Site	Mile Point	Length	Depth	Width	Class II		Class III		Excavation (CU YD)	Class I Fabric (SQ YD)	DGA (TON)
					Channel Lining (TON)	Channel Lining (TON)	Channel Lining (TON)	Channel Lining (TON)			
1	0.134	36	6	7	9	35	14	52			4
2A	0.506	47	13	4	Site to be repaired using drilled RR rails						
2B	0.506	11	5	4	1	5	2	11			1
3	3.235	65	5	4	Site to be repaired using drilled RR rails						
4	3.434	120	5	4	Site to be repaired using drilled RR rails						
5A	3.599	25	5	4	Site to be repaired using drilled RR rails						
5B	3.599	60	5	4	Site to be repaired using drilled RR rails						
6	3.792	138	4	4	Site to be repaired using drilled RR rails						
7	4.027	77	4	4	7	29	11	68			9
8	4.794	35	4	4	Site to be repaired using drilled RR rails						
9	5.130	68	6	4	Site to be repaired using drilled RR rails						
10	5.332	43	8	4	Site to be repaired using drilled RR rails						
11	5.948	117	11	9	68	270	107	260			14
12	6.101	12	11	4	Site to be repaired using drilled RR rails						
13A	6.508	22	6	4	Site to be repaired using drilled RR rails						
13B	6.508	56	6	4	Site to be repaired using drilled RR rails						
14	6.579	64	7	4	Site to be repaired using drilled RR rails						
15A	6.698	45	5	4	Site to be repaired using drilled RR rails						
15B	6.698	6	2	5	0	3	1	5			1
15C	6.698	34	2	5	2	8	3	26			4
16	7.915	29	2	3	1	4	2	16			3
17	8.039	32	5	4	4	15	6	32			4
18	8.267	52	10	4	Site to be repaired using drilled RR rails						
19	9.454	68	4	4	Site to be repaired using drilled RR rails						
TOTALS					92	369	146	470			40

SITE SUMMARY DRILLED RR RAILS
KY 3402

Site	Mile Point	Length	Cribbing Depth	Excavation Width	Depth to Rock	Number of Rows	Rail Spacing (FT)	Cribbing Amount (SQ FT)	Drilled RR Rails (FT)	Excav. & Backfill (CU YD)	Type I Geotextile Fabric (SQ YD)	DGA (TON)
1	0.062	96	3	4	Site to be repaired using channel lining							
2	0.147	78	4	3	Site to be repaired using channel lining							
3A	0.203	31	4	4	26	1	4	124	351	19	41	3
3B	0.203	51	1	4	0	1	4	0	0	8	34	5
4A	0.275	26	5	4	26	1	4	130	312	20	40	3
4B	0.275	53	5	4	26	1	4	265	585	40	82	5
5A	0.325	66	5	6	Site to be repaired using channel lining							
5B	0.325	103	12	7	Site to be repaired using channel lining							
6	0.447	29	6	6	Site to be repaired using channel lining							
7A	0.515	12	7	4	26	1	4	84	156	13	24	1
7B	0.515	7	4	4	Site to be repaired using channel lining							
7C	0.515	39	7	4	26	1	4	273	429	41	78	4
8A	0.657	79	4	4	26	1	4	316	819	47	105	8
8B	0.657	42	4	4	26	1	4	168	468	25	56	4
9	0.715	93	3	10	Site to be repaired using channel lining							
10	0.812	50	5	4	26	1	4	250	546	38	78	5
11A	0.898	10	3	5	Site to be repaired using channel lining							
11B	0.898	20	3	4	26	1	4	60	234	9	22	2
11C	0.898	19	3	6	Site to be repaired using channel lining							
12	1.016	77	4	7	Site to be repaired using channel lining							
13	1.116	93	8	6	Site to be repaired using channel lining							
14A	1.199	45	2	5	Site to be repaired using channel lining							
14B	1.199	12	3	4	Site to be repaired using channel lining							
15	1.585	91	7	9	Site to be repaired using channel lining							
16	1.640	30	8	11	Site to be repaired using channel lining							
TOTALS								1,670	3,900	260	562	41

SITE SUMMARY CHANNEL LINING

KY 3402

Site	Mile Point	Length	Depth	Width	Class II		Class III		Excavation (CU YD)	Class I Fabric (SQ YD)	DGA (TON)
					Channel Lining (TON)	Channel Lining (TON)	Channel Lining (TON)	Channel Lining (TON)			
1	0.062	96	3	4	7	26	11	43	11		
2	0.147	78	4	3	5	22	9	26	9		
3A	0.203	31	4	4	Site to be repaired using drilled RR rails						
3B	0.203	51	1	4	Site to be repaired using drilled RR rails						
4A	0.275	26	5	4	Site to be repaired using drilled RR rails						
4B	0.275	53	5	4	Site to be repaired using drilled RR rails						
5A	0.325	66	5	6	12	46	18	81	8		
5B	0.325	103	12	7	50	202	80	217	12		
6	0.447	29	6	6	6	25	10	39	3		
7A	0.515	12	7	4	Site to be repaired using drilled RR rails						
7B	0.515	7	4	4	1	3	1	6	1		
7C	0.515	39	7	4	Site to be repaired using drilled RR rails						
8A	0.657	79	4	4	Site to be repaired using drilled RR rails						
8B	0.657	42	4	4	Site to be repaired using drilled RR rails						
9	0.715	93	3	10	16	65	26	134	11		
10	0.812	50	5	4	Site to be repaired using drilled RR rails						
11A	0.898	10	3	5	1	4	1	9	1		
11B	0.898	20	3	4	Site to be repaired using drilled RR rails						
11C	0.898	19	3	6	2	8	3	19	2		
12	1.016	77	4	7	13	52	20	99	10		
13	1.116	93	8	6	26	105	41	145	11		
14A	1.199	45	2	5	7	27	4	25	5		
14B	1.199	12	3	4	1	6	1	5	1		
15	1.585	91	7	9	33	134	53	162	11		
16	1.640	30	8	11	15	62	24	63	4		
TOTALS					195	787	302	1073	100		

SITR SUMMARY DRILLED RR RAILS
KY 3410

Site	Mile Point	Length	Cribbing Depth	Excavation Width	Depth to Rock	Number of Rows	Rail Spacing (FT)	Cribbing Amount (SQ FT)	Drilled RR Rails (FT)	Excav. & Backfill (CU YD)	Type I Geotextile Fabric (SQ YD)	DGA (TON)
1	0.080	66	5	4			Site to be repaired using channel lining					
2	0.271	40	6	4	26	1	4	240	429	36	71	4
3A	0.316	72	6	4	26	1	4	432	741	64	128	7
3B	0.316	184	6	4	26	1	4	1,104	1,833	164	327	19
4	0.825	150	2	3			Site to be repaired using channel lining					
TOTALS								1,776	3,003	264	526	30

SITE SUMMARY CHANNEL LINING
KY 3410

Site	Mile Point	Length	Depth	Width	Class II Channel Lining (TON)	Class III Channel Lining (TON)	Excavation (CU YD)	Class I Fabric (SQ YD)	DGA (TON)
1	0.080	66	5	4	8	31	12	66	8
2	0.271	40	6	4	Site to be repaired using drilled RR rails				
3A	0.316	72	6	4	Site to be repaired using drilled RR rails				
3B	0.316	184	6	4	Site to be repaired using drilled RR rails				
4	0.825	150	2	3	5	21	8	83	18
TOTALS					13	52	20	149	26

KY 1862 GUAEDRAIL

NEW GUARDRAIL						REMOVE GUARDRAIL					
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS
Left	Type 7	0.501	0.510	Type 7	50.0						
							Left	3.227	3.243	87.5	remove & reset
Left	Tie to Existing	3.427	3.441	Tie to Existing	75.0		Left	3.427	3.427		remove 2 x Type 7
Left	Tie to Existing	3.586	3.612	Type 7	137.5		Left	3.586	3.586		remove Type 7
Left	Type 7	3.779	3.805	Type 7	137.5						
							Left	4.789	4.798	50.0	remove & reset
Left	Type 7	5.123	5.137	Type 7	75.0						
Left	Type 7	5.327	5.336	Type I	50.0						
Right	Tie to Existing	6.100	6.102	Type 7	12.5		Right	6.100	6.100		remove Type 7
Right	Tie to Existing	6.503	6.512	Type 7	50.0		Right	6.494	6.503	50.0	remove & reset
Right	Tie to Existing	6.586	6.590	Type 7	25.0		Right	6.572	6.586	75.0	remove & reset
							Right	6.586	6.586		remove Type 7
							Right	8.260	8.274	75.0	remove & reset
Right	Type 7	9.449	9.460	Type I	62.5						
Totals						675.0				337.5	

Type I	2.000
Type 2A	0.000
Type 3	0.000
Type 4	0.000
Type 7	12.000
Terminal	0.000

KY 3410 GUARDRAIL

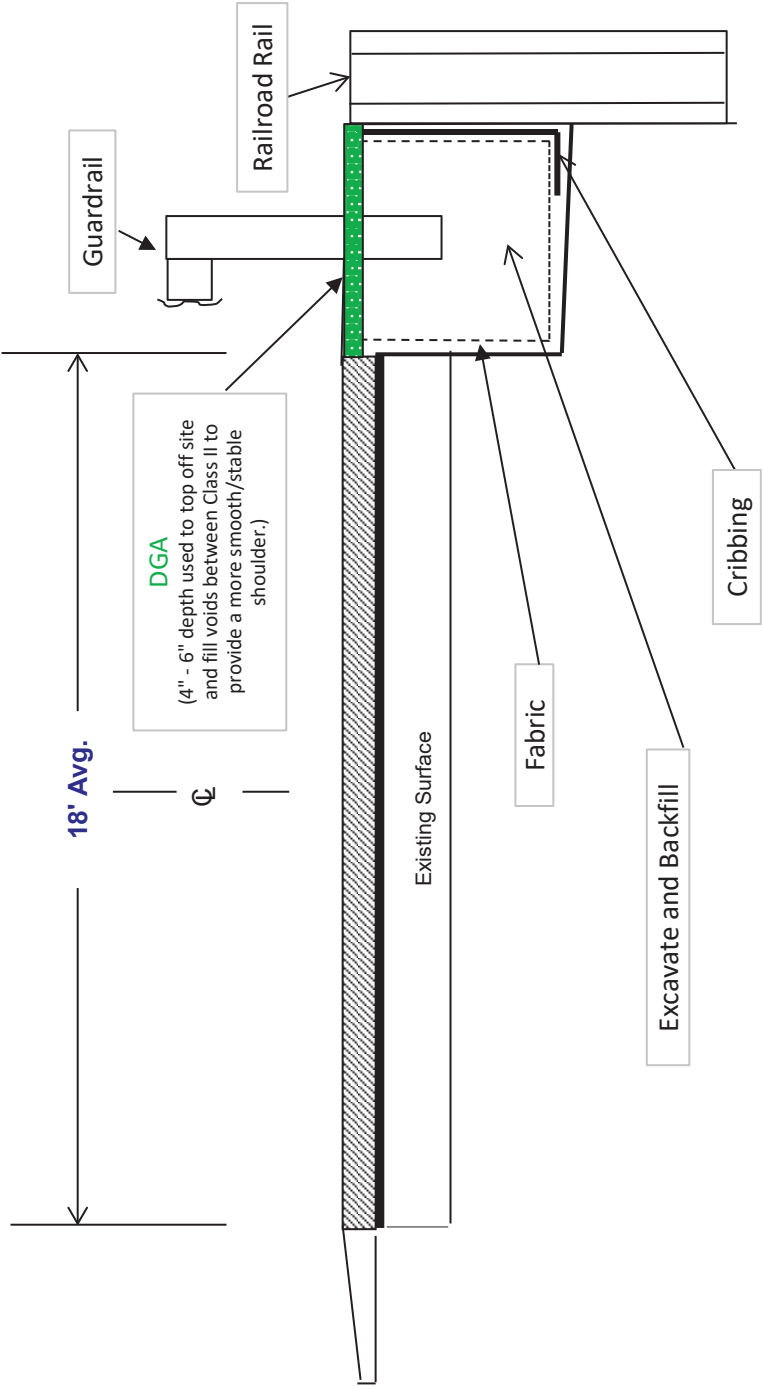
NEW GUARDRAIL							REMOVE GUARDRAIL				
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS
							Left	0.075	0.084	50.0	remove & reset
							Left	0.265	0.276	62.5	remove & reset
							Left	0.305	0.309	25.0	remove & reset
Left	Tie to Existing	0.309	0.344	Type 7	187.5		Left	0.305	0.305		remove Type 7
							Left	0.320	0.320		remove Type 7
							Left	0.344	0.344		remove Type 7
							Left	0.811	0.839	150.0	remove & reset
Totals					187.5		287.5				

Type I	0.000
Type 2A	0.000
Type 3	0.000
Type 4	0.000
Type 7	1.000
Terminal	0.000

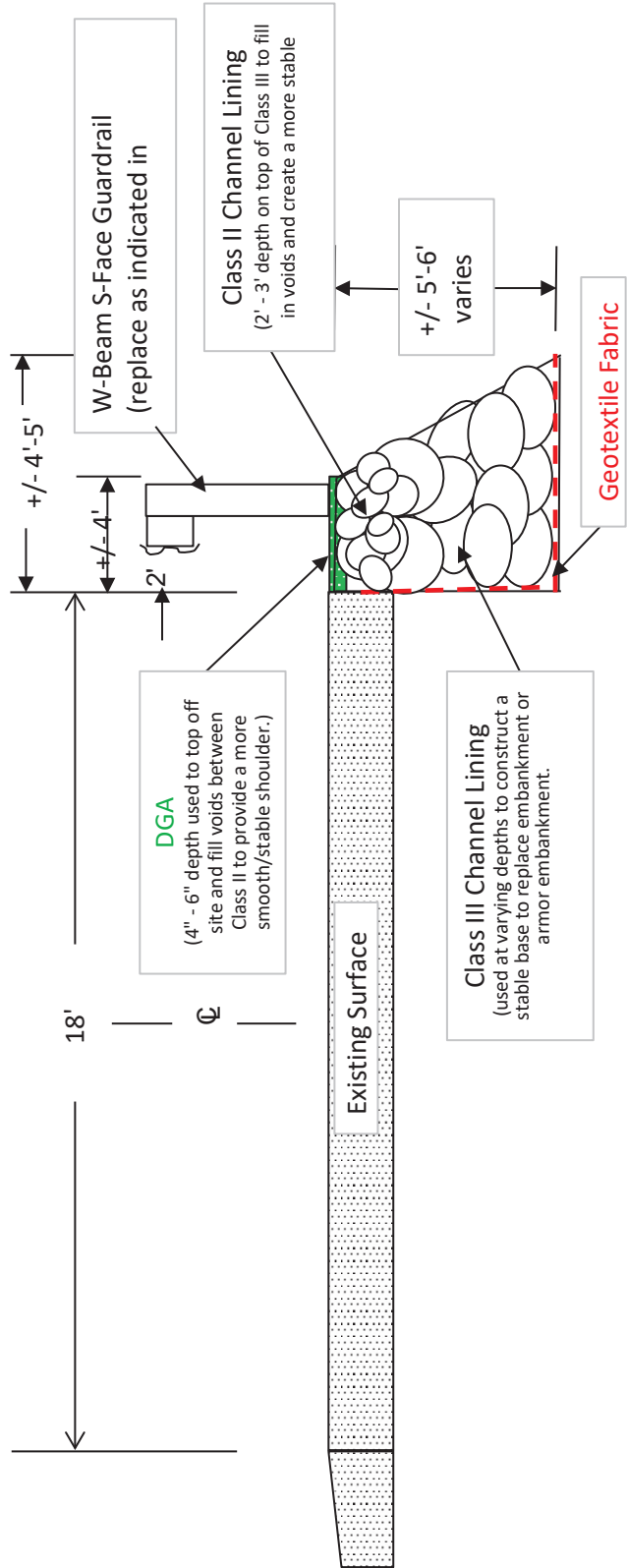
KY 3402 GUARDRAIL

NEW GUARDRAIL							REMOVE GUARDRAIL				
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS
							Right	0.194	0.212	100.0	remove & reset
Right	Tie to Existing	0.272	0.281	Type 7	50.0		Right	0.268	0.272	25.0	remove & reset
							Right	0.272	0.272		remove Type 7
Left	Tie to Existing	0.514	0.516	Type 7	12.5		Left	0.514	0.514		remove Type 7
Left	Tie to Existing	0.644	0.670	Type 7	137.5		Left	0.644	0.644		remove Type 7
Left	Type 7	0.807	0.816	Type 7	50.0						
Left	Type 7	0.896	0.899	Type 7	25.0						
Left	Tie to Existing	1.114	1.114	Type 7	0.0		Left	1.114	1.114		remove Type 7
							Left	1.638	1.642	25.0	remove & reset
Totals					275.0		150.0				

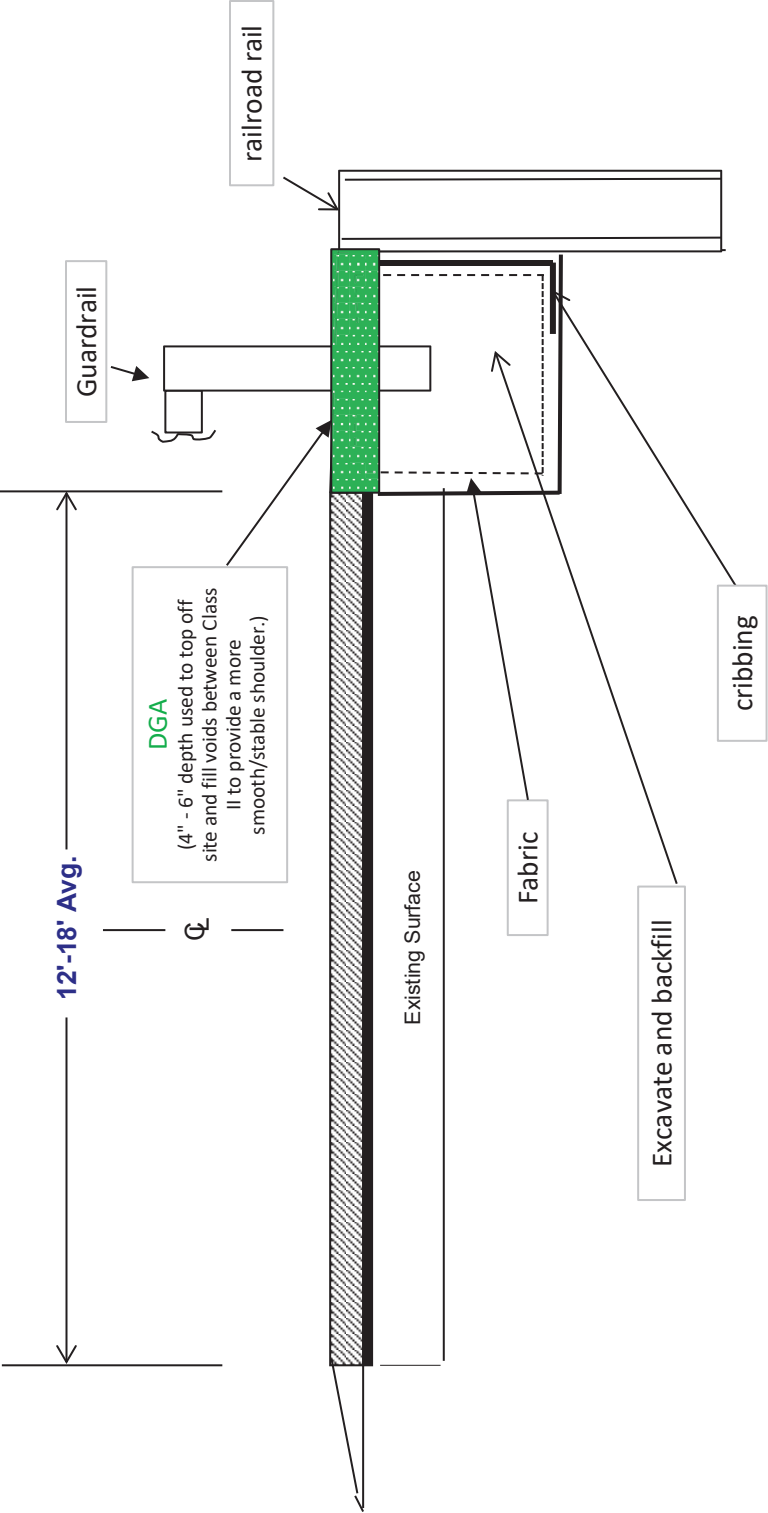
TYPICAL SECTION
DRILLED RAILROAD RAILS
KY 1862



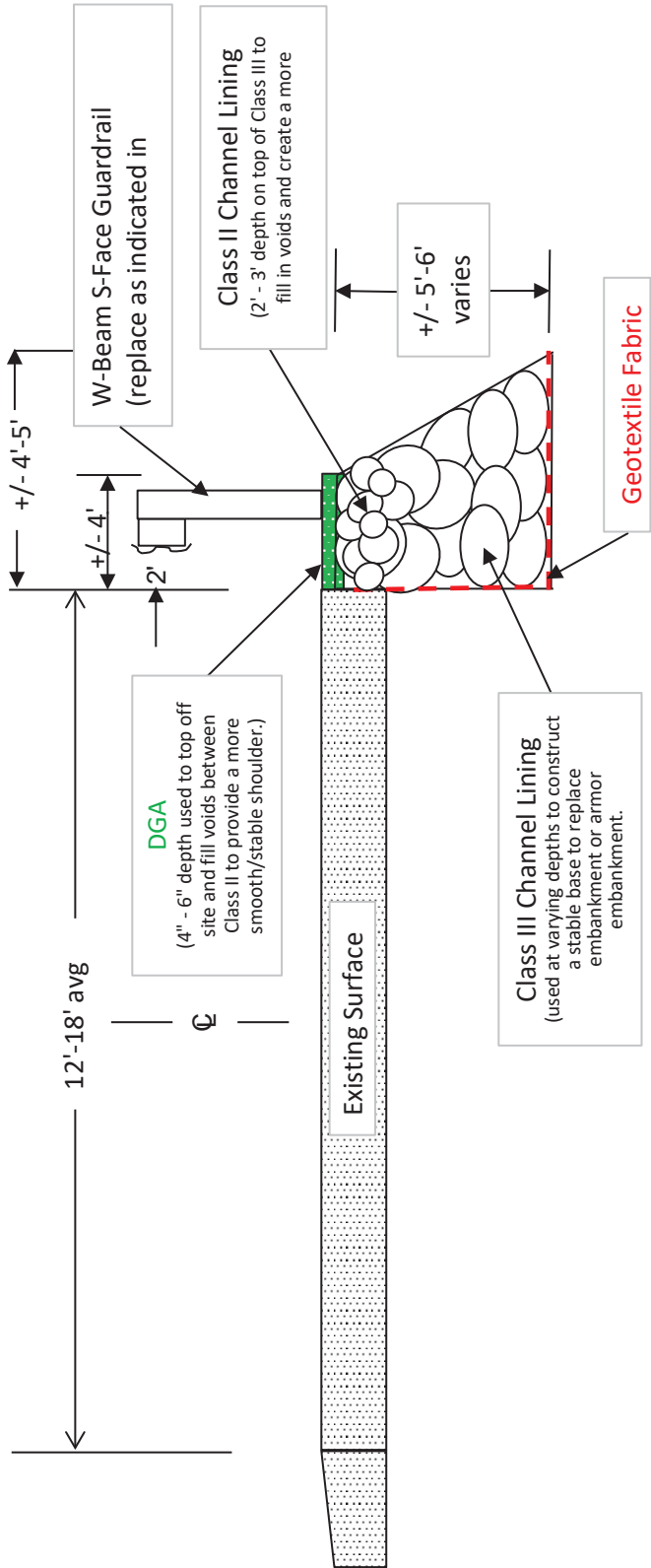
TYPICAL SECTION
Channel Lining Repair
KY 1862



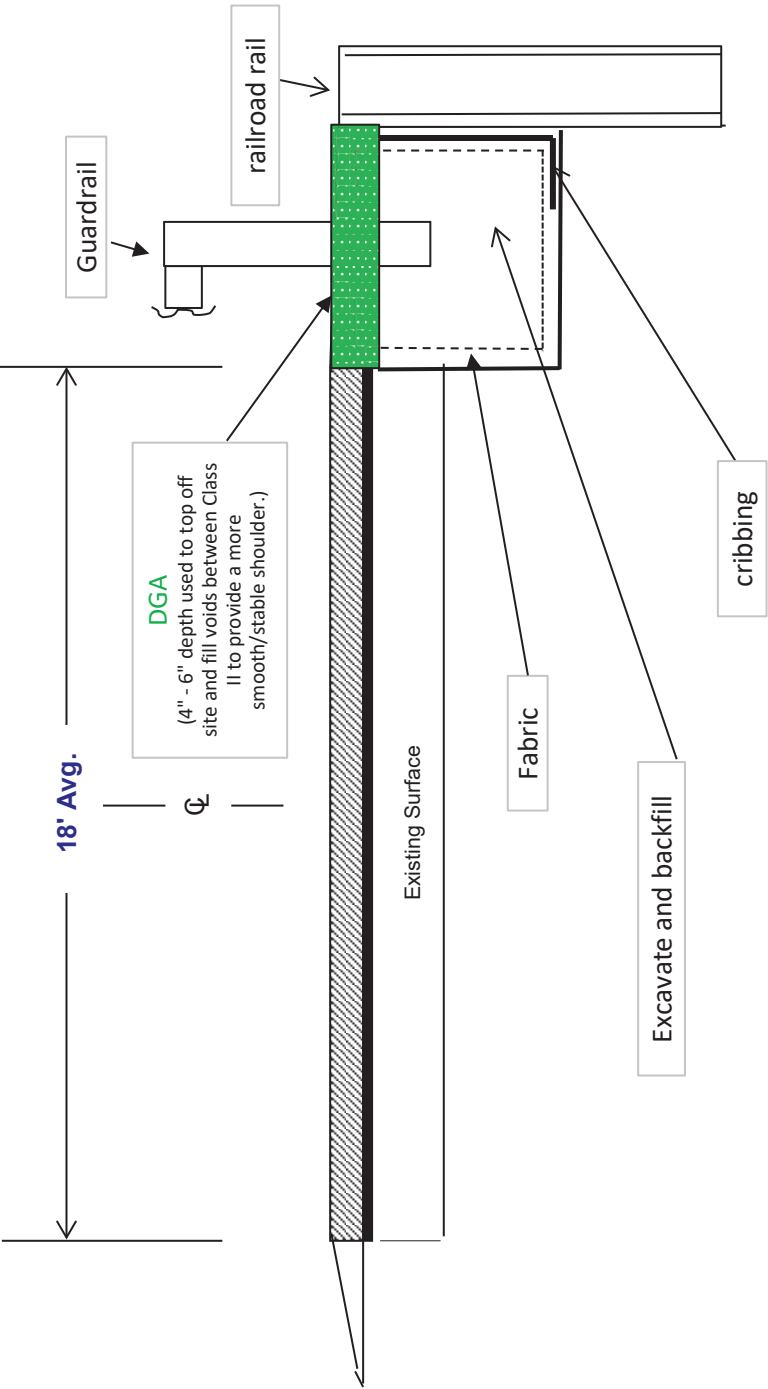
**TYPICAL SECTION
DRILLED RAILROAD RAILS
KY 3402**



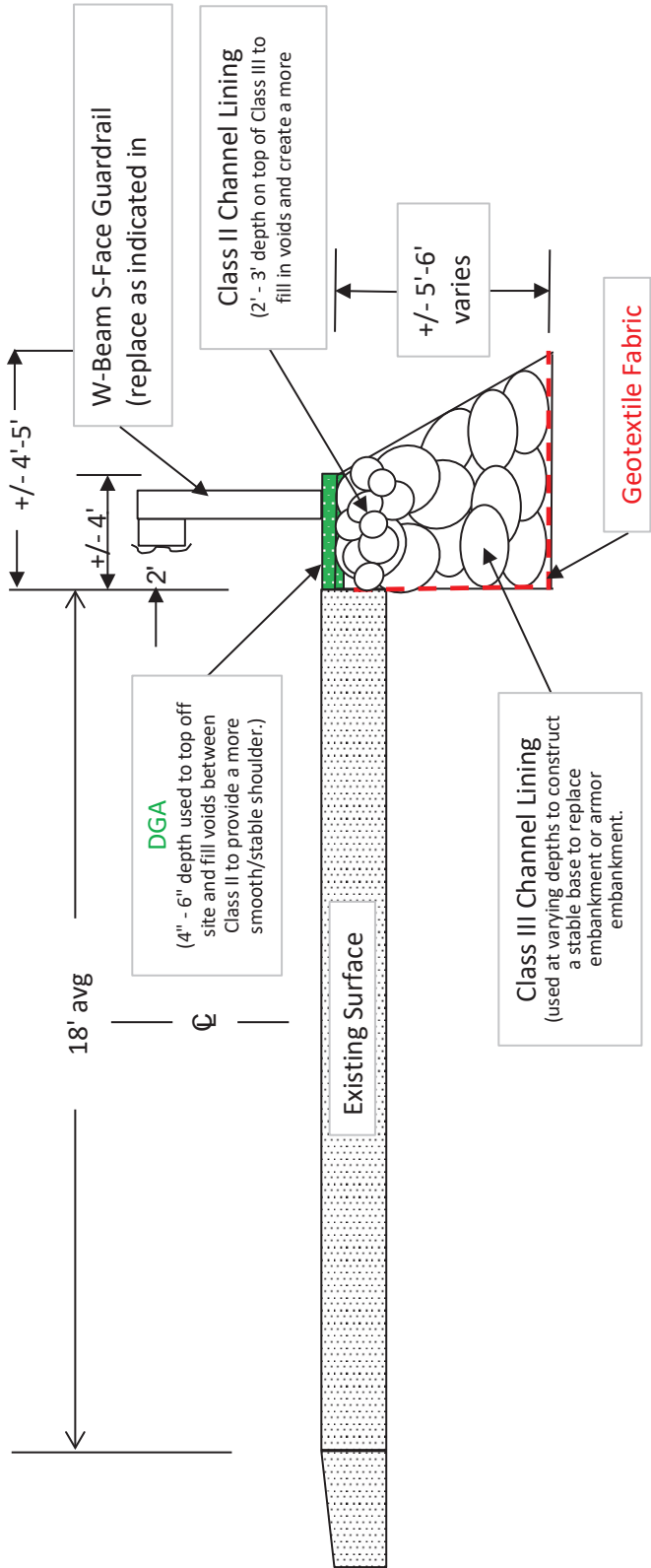
TYPICAL SECTION
Channel Lining Repair
KY 3402

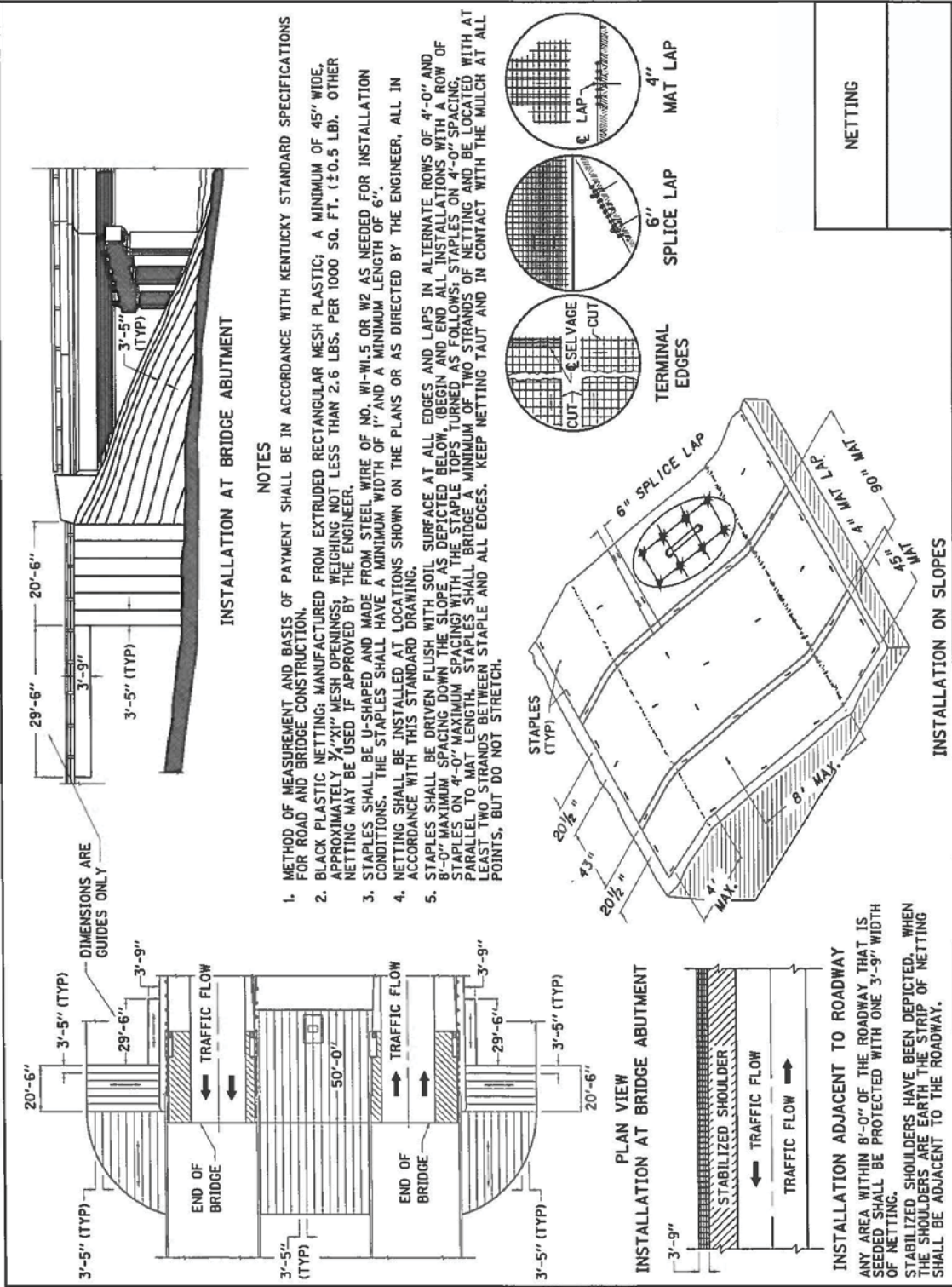


TYPICAL SECTION
DRILLED RAILROAD RAILS
KY 3410



TYPICAL SECTION
Channel Lining Repair
KY 3410





TYPICAL SECTION DEPICTING INSTALLATION OF
RECYCLED RAILROAD RAIL PLACED IN DRILLED
SOCKET FOR LANDSLIDE CORRECTION

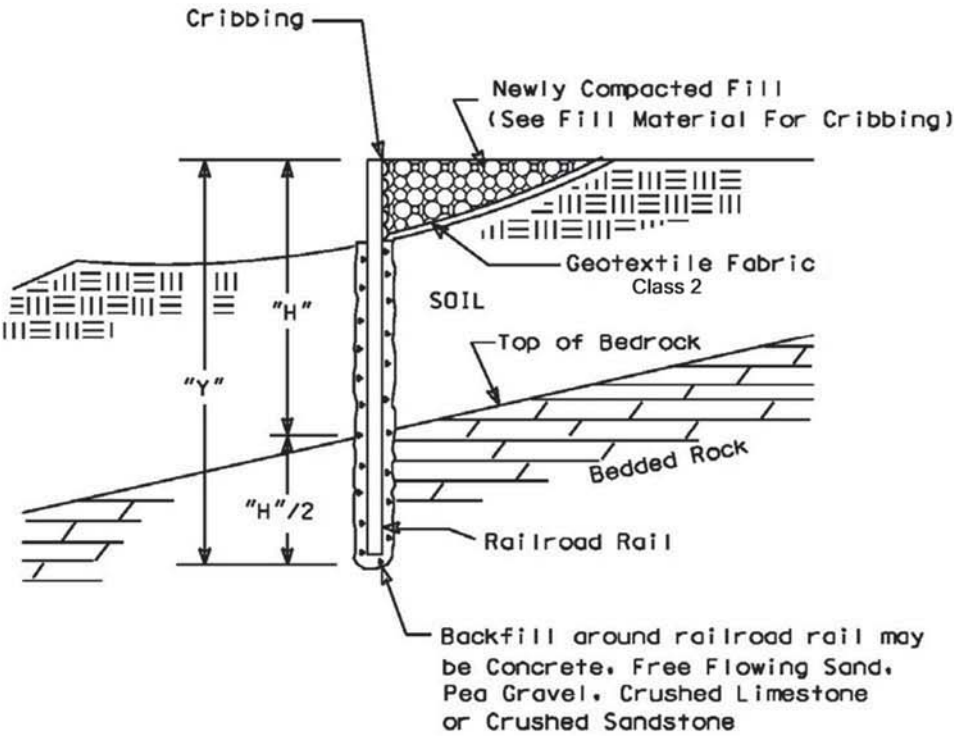
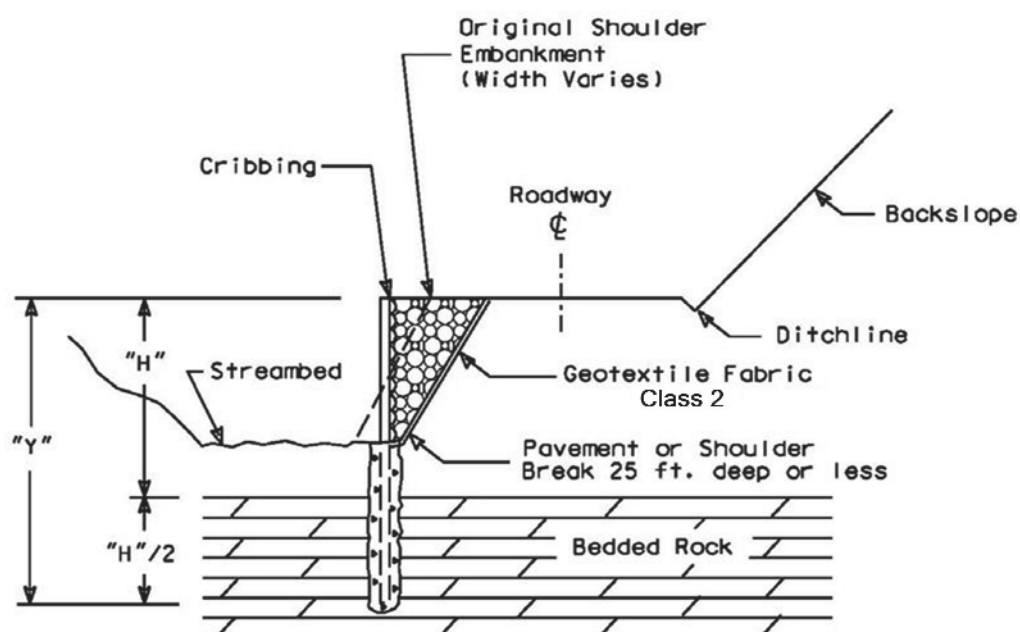


Figure 1

TYPICAL CROSS SECTION OF ROADWAY REPAIRS UTILIZING RECYCLED RAILROAD RAILS IN DRILLED SOCKETS FOR EMBANKMENT EROSION CORRECTION

NOTE:
Spacing from edge to
edge of drilled
socket : 3 ft. max.



NOTE :
"H"/2 Depth of Rail into bedded rock =
1/3 total length where rock is present.

Figure 2

ALTERNATE SCHEMES FOR INSTALLING RAILROAD RAILS IN DRILLED SOCKETS

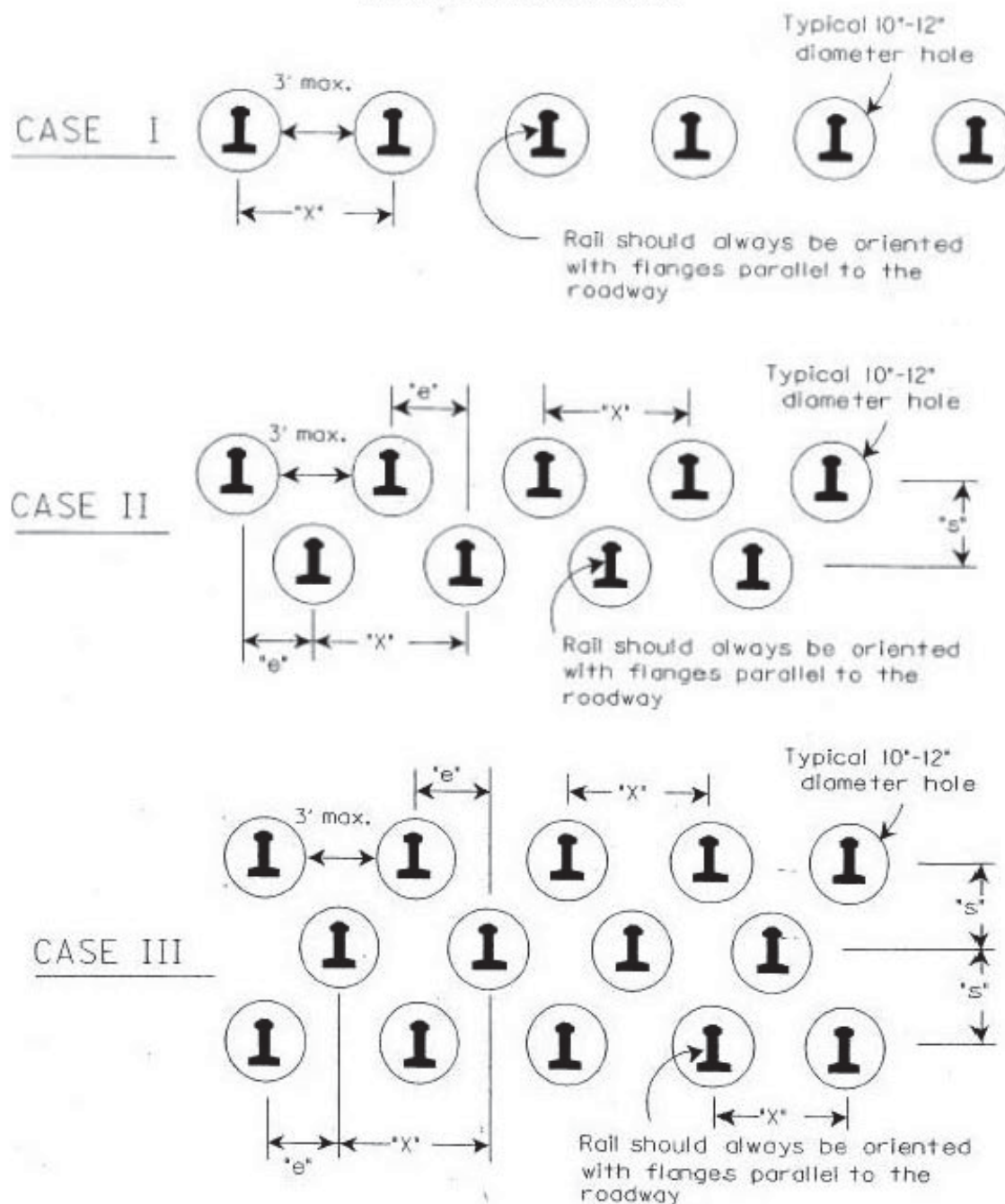


FIGURE 3

DESIGN CHART FOR 130LBS/YD TO 133 LBS/YD RECYCLED (USED) RAILROAD RAILS
FACTOR OF SAFETY = 1

Soil Depth to Bedded Rock "H" (Feet)	Minimum Embedment into Bedded Rock "H/2" (Feet)	Total Length of Installed Railroad Rail "Y" (Feet)	Required Number of Rows	Maximum Spacing Between Rails "X" (Max. 48") (Inches)	Effective Spacing Between Rows of Rails "e" (Inches)
8	4	12	1	48	N/A
9	4.5	13.5	1	48	N/A
10	5	15	1	48	N/A
11	5.5	16.5	1	48	N/A
12	6	18	1	48	N/A
13	6.5	19.5	1	48	N/A
14	7	21	1	32	N/A
15	7.5	22.5	2	48	24
16	8	24	2	44	22
17	8.5	25.5	2	36	18
18	9	27	2	28	14
19	9.5	28.5	2	24	12
20	10	30	3	33	11
21	10.5	31.5	3	28.5	9.5
>21	N/A	N/A	N/A	N/A	N/A

- NOTES:
- 1. REFER TO FIGURES 1, 2, & 3 FOR DIMENSIONS SHOWN
 - 2. FOR SOIL DEPTHS "H" GREATER THAN 21 FEET CONTACT THE ENGINEER.

TABLE I

IDENTIFICATION OF RAILROAD RAIL SIZES

- 1. Typically classified in units of lbs-per-yard.
Examples :
155 lbs/yd, 140 lbs/yd, 132 lbs/yd, 90 lbs/yd
- 2. Each rail has a classification stamped in web:
Example :
112 25 RE OH ILLINOIS USA 1935 IIIII
↑
Weight in lbs/yd

Guardrail Delivery Verification Sheet

CONTRACT ID: 25240

<u>GUARDRAIL, END TREATMENT, TERMINAL SECTION, OR POST TYPE</u>	<u>UNIT</u>	<u>FIELD VERIFIED AMOUNT</u>	<u>DELIVERED AMOUNT</u>
GUARDRAIL-STEEL W BEAM	LF		
TEMPORARY GUARDRAIL	LF		
GUARDRAIL TERMINAL SECTION	EACH		
CRASH CUSHION TYPE IX-A	EACH		
GUARDRAIL END TREATMENT TYPE 1	EACH		
GUARDRAIL END TREATMENT TYPE 2A	EACH		
GUARDRAIL END TREATMENT TYPE 3	EACH		
GUARDRAIL END TREATMENT TYPE 4A	EACH		
GUARDRAIL END TREATMENT TYPE 7	EACH		
GUARDRAIL CONNECTOR TO BRIDGE END	EACH		
GUARDRAIL CONNECTOR TO CONC MED BARR	EACH		
GUARDRAIL CONNECT-SHLD BRIDGE PIER	EACH		
STEEL GUARDRAIL POST	EACH		
STEEL BLOCKOUTS	EACH		

Deliver removed guardrail, end treatments, terminal sections, steel blockouts and posts to the Department,s Letchert County Maintenance facility, neatly stacked in accordance with section 719.03.07 of the standard specifications. The Contractor, Engineer, and Fleming County Maintenance facility representative must all sign off on this sheet before payment may be made.

	PRINTED NAME	SIGNATURE	DATE
Resident Engineer (or representative)			
Contractor (or Representative)			
Letcher County Maintence Representative			

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

STANDARD SPECIFICATIONS

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 2019* and *Standard Drawings, Edition of 2020*.

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>

2020 KENTUCKY STANDARD DRAWINGS

TYPICAL GUARDRAIL INSTALLATIONS	RBI-001-12
TYPICAL GUARDRAIL INSTALLATIONS	RBI-002-07
STEEL BEAM GUARDRAIL (“W”-BEAM).....	RBR-001-13
GUARDRAIL COMPONENTS.....	RBR-005-11
GUARDRAIL TERMINAL SECTIONS	RBR-010-06
STEEL GUARDRAIL POSTS.....	RBR-015-06
GUARDRAIL SYSTEM TRANSITION	RBR-018
GUARDRAIL END TREATMENT TYPE 7	RBR-050-08
GUARDRAIL END TREATMENT TYPE 7 ALTERNATE ANCHOR	RBR-051-01
DELINEATORS FOR GUARDRAIL.....	RBR-055-01
CURVE WIDENING AND SUPERELEVATION TRANSITIONS	RGS-001-07
CHANNEL LINING CLASS II AND III	RDD-040-05
MISCELLANEOUS STANDARDS.....	RGX-001-06
ONE POINT PROCTER FAMILY OF CURVES.....	RGX-200-01
TEMPORARY SILT FENCE	RDX-210-03
SILT TRAP TYPE A.....	RDX-220-05
SILT TRAP TYPE B	RDX-225-01
APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT	RPM-110-07
LANE CLOSURE TWO-LANE HIGHWAY	TTC-100-05
SHOULDER CLOSURE	TTC-135-03
PAVEMENT CONDITION WARNING SIGNS.....	TTD-125-03
CHANNELIZING DEVICES	SEPIA 033
GUARDRAIL END TREATMENT TYPE 1	SEOIA 034

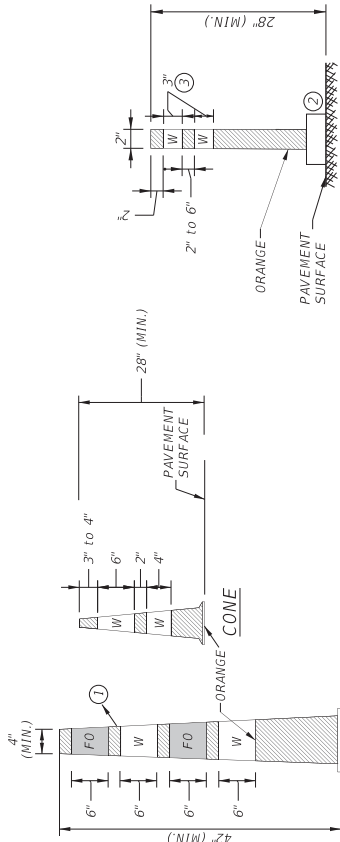
~NOTES~

- ① THE MAXIMUM DISTANCE BETWEEN THE EDGES OF ADJACENT RETROREFLECTIVE SHEETING STRIPS SHALL BE 3 INCHES.
 - ② KEEP BALLAST TO A MINIMUM BASE AREA NEEDED THAT WILL NOT IMPEDE THE TRAVEL LANE.
 - ③ FOR TUBULAR MARKERS 42" OR TALLER, USE 6" ALTERNATING ORANGE AND WHITE STRIPES WITH THE TOP STRIPE BEING ORANGE.
 - 4. RETROREFLECTIVE SHEETING FOR CHANNELIZING DEVICES UTILIZED IN HIGHWAY WORK ZONES SHALL BE TYPE IV OR HIGHER.
 - 5. CHANNELIZING DEVICES SHALL SATISFY MASH CRASH EVALUATION CRITERIA.
 - 6. THE NAME AND PHONE NUMBER OF THE CONTRACTOR OR SUPPLIER MAY BE DISPLAYED ON THE NON-REFLECTIVE SURFACE OF CHANNELIZING DEVICES. THE LETTERS AND NUMBERS OF THE NAME AND PHONE NUMBER SHALL BE NON-REFLECTIVE AND NOT OVER 2 INCHES IN HEIGHT.
- ⑦ WHERE BARRICADES EXTEND ENTIRELY ACROSS A ROADWAY, THE STRIPES SHOULD SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH ROAD USERS MUST TURN. WHERE BOTH RIGHT AND LEFT TURNS ARE PROVIDED, THE BARRICADE STRIPES SHOULD SLOPE DOWNWARD IN BOTH DIRECTIONS. WHERE BARRICADES ARE USED IN BARRICADE OR BARRICADES, WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD BE POSITIONED TO SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.

BID ITEMS AND UNIT TO BID
ITEM # 02014 BARRICADE - TYPE III EACH
ITEM # 03225 TUBULAR MARKERS EACH

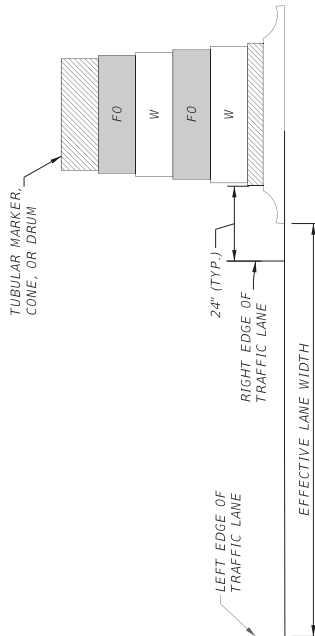
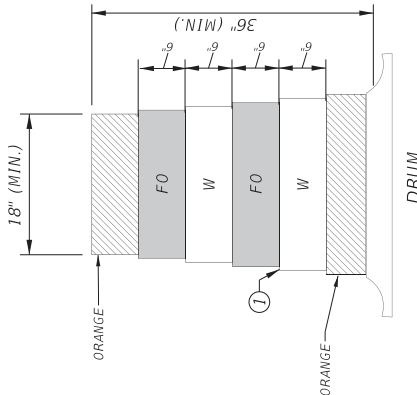
~LEGEND~

W = WHITE RETROREFLECTIVE SHEETING
FO = FLUORESCENT ORANGE RETROREFLECTIVE SHEETING

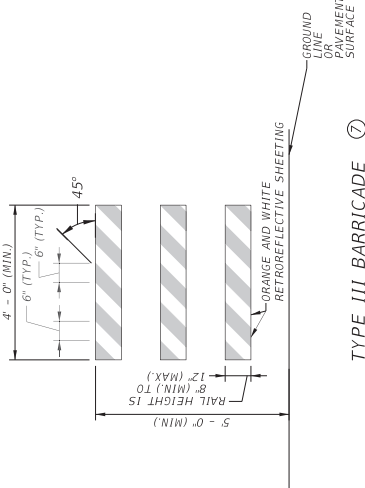


GRABBER CONE

TUBULAR MARKER



TYPICAL PLACEMENT OF CHANNELIZING DEVICES



TYPE III BARRICADE ⑦

SUBMITTED: *[Signature]* 01/17/24
DIVISION DIRECTOR DATE

DRAWING TITLE: SEPIA 033 - CHANNELIZING DEVICES (INCLUDING BARRICADES)

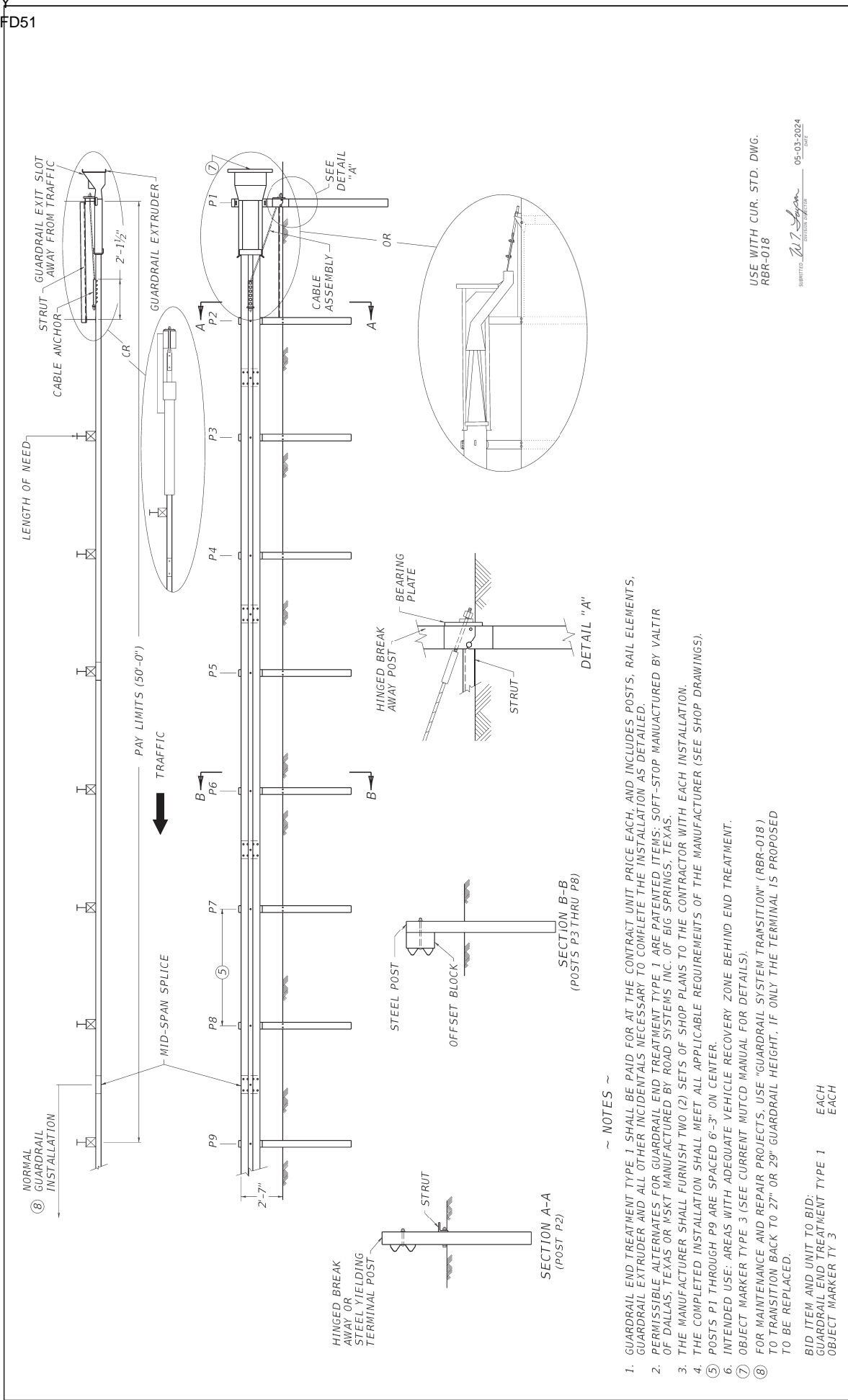
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

FILE NAME: C:\P\WORK\KTC_C\COMMON\INGRD\2262625\BUILD.DGN

USER: cmlbdrhgr

ITEM NO. COUNTY OF

SHEET NO.



~ NOTES ~

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 VALTR OF DALLAS, TEXAS OR NSKT 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" (RBR-018) TO TRANSITION BACK TO 27" OR 29" GUARDRAIL HEIGHT. IF ONLY THE TERMINAL IS PROPOSED TO BE REPLACED.

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

USE WITH CUR. STD. DWG.
RBR-018

SUBMITTED: *W. J. Sogard* 05-03-2024
DATE

	DRAWING TITLE: SEPIA 034 - GUARDRAIL END TREATMENT TYPE 1	
	ITEM NO.	COUNTY OF
	SHEET NO.	

FILE NAME: C:\PWORK\CORPINE SCHUMANN\2024\252240.DGN

USER: corpine.schumann

OpenRoads Designer V12.02.4

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

**TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

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

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

I. APPLICATION

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

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

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

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

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

Revised: January 25, 2017

II. NONDISCRIMINATION OF EMPLOYEES

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

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

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

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

EXECUTIVE BRANCH CODE OF ETHICS

The Executive Branch Code of Ethics created by Kentucky Revised Statutes (KRS) Chapter 11A, effective July 14, 1992, establishes the ethical standards that govern the conduct of all executive branch employees. The Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

A present or former public servant listed in KRS 11A.010(9)(a) to (g) shall not, within one (1) year following termination of his or her 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 one (1) year, he or she personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his or her 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 to obtain private benefits.

If you have worked for the executive branch of state government within the past year, 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, 1025 Capital Center Drive, Suite 105, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: March 11, 2025

Kentucky Equal Employment Opportunity Act of 1978

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

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

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

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

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

EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

FEDERAL MINIMUM WAGE

\$7.25 PER HOUR

BEGINNING JULY 24, 2009

- OVERTIME PAY

At least 1½ times your regular rate of pay for all hours worked over 40 in a workweek.
- CHILD LABOR

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

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

No more than

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

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

BID ITEMS

252240

PROPOSAL BID ITEMS

Report Date 4/22/25

Page 1 of 3

Section: 0001 - SLIDE REPAIRS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	331.00	TON		\$	
0020	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	47.00	EACH		\$	
0030	02187		SITE PREPARATION (KY 1862 - SITE 1)	1.00	EACH		\$	
0040	02187		SITE PREPARATION (KY 1862 - SITE 7)	1.00	EACH		\$	
0050	02187		SITE PREPARATION (KY 1862 - SITES 16-17)	1.00	EACH		\$	
0060	02187		SITE PREPARATION (KY 1862 - SITES 2A -2B)	1.00	EACH		\$	
0070	02187		SITE PREPARATION (KY 1862 - SITES 3-6)	1.00	EACH		\$	
0080	02187		SITE PREPARATION (KY 1862 SITE 11)	1.00	EACH		\$	
0090	02187		SITE PREPARATION (KY 1862 SITE 18)	1.00	EACH		\$	
0100	02187		SITE PREPARATION (KY 1862 SITE 19)	1.00	EACH		\$	
0110	02187		SITE PREPARATION (KY 1862 SITE 8)	1.00	EACH		\$	
0120	02187		SITE PREPARATION (KY 1862 SITE12)	1.00	EACH		\$	
0130	02187		SITE PREPARATION (KY 1862 SITES 13A-15C)	1.00	EACH		\$	
0140	02187		SITE PREPARATION (KY 1862 SITES 9-10)	1.00	EACH		\$	
0150	02187		SITE PREPARATION (KY 3402 - SITES 12-14B)	1.00	EACH		\$	
0160	02187		SITE PREPARATION (KY 3402 - SITES 3A -4B)	1.00	EACH		\$	
0170	02187		SITE PREPARATION (KY 3402 - SITES 5A-6)	1.00	EACH		\$	
0180	02187		SITE PREPARATION (KY 3402 - SITES 7A-11C)	1.00	EACH		\$	
0190	02187		SITE PREPARATION (KY 3402 - SITES1-2)	1.00	EACH		\$	
0200	02187		SITE PREPARATION (KY 3402 SITES - 15-16)	1.00	EACH		\$	
0210	02187		SITE PREPARATION (KY 3410 - SITE 2)	1.00	EACH		\$	
0220	02187		SITE PREPARATION (KY 3410 - SITE 4)	1.00	EACH		\$	
0230	02187		SITE PREPARATION (KY 3410 - SITES 3A-3B)	1.00	EACH		\$	
0240	02187		SITE PREPARATION (KY 3410- SITE I)	1.00	EACH		\$	
0250	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,137.50	LF		\$	
0260	02367		GUARDRAIL END TREATMENT TYPE 1	2.00	EACH		\$	
0270	02371		GUARDRAIL END TREATMENT TYPE 7	21.00	EACH		\$	
0280	02383		REMOVE & RESET GUARDRAIL	775.00	LF		\$	
0290	02396		REMOVE GUARDRAIL END TREATMENT TYPE 7	12.00	EACH		\$	

252240

PROPOSAL BID ITEMS

Page 2 of 3

Report Date 4/22/25

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0300	02483		CHANNEL LINING CLASS II	300.00	TON		\$	
0310	02484		CHANNEL LINING CLASS III	1,208.00	TON		\$	
0320	02562		TEMPORARY SIGNS	1,050.00	SQFT		\$	
0330	03234		RAILROAD RAILS-DRILLED	16,347.00	LF		\$	
0340	03235		EXCAVATION AND BACKFILL - CRIB WALL	1,342.00	CUYD		\$	
0350	03236		CRIBBING	8,916.00	SQFT		\$	
0360	21415ND		EROSION CONTROL (KY 1862 - SITE 1)	1.00	LS		\$	
0370	21415ND		EROSION CONTROL (KY 1862 - SITE 11)	1.00	LS		\$	
0380	21415ND		EROSION CONTROL (KY 1862 - SITE 12)	1.00	LS		\$	
0390	21415ND		EROSION CONTROL (KY 1862 - SITE 7)	1.00	LS		\$	
0400	21415ND		EROSION CONTROL (KY 1862 - SITE 8)	1.00	LS		\$	
0410	21415ND		EROSION CONTROL (KY 1862 - SITES 13A-15C)	1.00	LS		\$	
0420	21415ND		EROSION CONTROL (KY 1862 - SITES 16-17)	1.00	LS		\$	
0430	21415ND		EROSION CONTROL (KY 1862 - SITES 18-19)	1.00	LS		\$	
0440	21415ND		EROSION CONTROL (KY 1862 - SITES 2A-2B)	1.00	LS		\$	
0450	21415ND		EROSION CONTROL (KY 1862 - SITES 3-6)	1.00	LS		\$	
0460	21415ND		EROSION CONTROL (KY 1862 - SITES 9-10)	1.00	LS		\$	
0470	21415ND		EROSION CONTROL (KY 3402 - SITES 1-2)	1.00	LS		\$	
0480	21415ND		EROSION CONTROL (KY 3402 - SITES 12-14B)	1.00	LS		\$	
0490	21415ND		EROSION CONTROL (KY 3402 - SITES 15-16)	1.00	LS		\$	
0500	21415ND		EROSION CONTROL (KY 3402 - SITES 3A-4B)	1.00	LS		\$	
0510	21415ND		EROSION CONTROL (KY 3402 - SITES 5A-6)	1.00	LS		\$	
0520	21415ND		EROSION CONTROL (KY 3402 - SITES 7A-11C)	1.00	LS		\$	
0530	21415ND		EROSION CONTROL (KY 3410 - SITE 1)	1.00	LS		\$	
0540	21415ND		EROSION CONTROL (KY 3410 - SITE 2)	1.00	LS		\$	
0550	21415ND		EROSION CONTROL (KY 3410 - SITE 4)	1.00	LS		\$	
0560	21415ND		EROSION CONTROL (KY 3410 - SITES 3A-3B)	1.00	LS		\$	
0570	21554EN		EXCAVATION - CHANNEL LINNING	166.00	CUYD		\$	
0580	21554EN		EXCAVATION - FOR CHANNEL LINNING	302.00	CUYD		\$	
0590	21741NC		MAINTAIN & CONTROL TRAFFIC (KY 1862)	1.00	EACH		\$	

Report Date 4/22/25

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0600	21741NC		MAINTAIN & CONTROL TRAFFIC (KY 3402)	1.00	EACH		\$	
0610	21741NC		MAINTAIN & CONTROL TRAFFIC (KY 3410)	1.00	EACH		\$	
0620	40176		FABRIC-GEOTEXTILE CLASS 1 - FOR CHANNEL LINING	1,692.00	SQYD		\$	
0630	40176		FABRIC-GEOTEXTILE CLASS 1 - FOR CRIBBING AND DRILLED RR RAILS	2,150.00	SQYD		\$	
0640	40176		FABRIC-GEOTEXTILE CLASS 1 - FOR CRIBBING DRILLED RR RAILS	562.00	SQYD		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0650	02569		DEMOBILIZATION	1.00	LS		\$	