



CALL NO. 408

CONTRACT ID. 242231

HARLAN COUNTY

FED/STATE PROJECT NUMBER 048GR24P035-FD04

DESCRIPTION VARIOUS GUARDRAIL PROJECTS IN HARLAN COUNTY

WORK TYPE GUARDRAIL

PRIMARY COMPLETION DATE 10/31/2024

LETTING DATE: June 20,2024

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME June 20,2024. 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.

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PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 11

CONTRACT ID - 242231
048GR24P035-FD04
COUNTY - HARLAN
PCN - MP04805222401
FD04 048 0522 005-009

OLD US 119 (KY 522) (MP 5.662) FROM 0.027 MILES NORTH OF SHRINERS ROAD EXTENDING NORTH TO 0.256 MILES SOUTH OF GREEN DRIVE (MP 8.976), A DISTANCE OF 03.31 MILES.GUARDRAIL SYP NO. 11-4343.
GEOGRAPHIC COORDINATES LATITUDE 36:55:23.00 LONGITUDE 83:11:00.00
ADT 200

PCN - MP04805222402
FD04 048 0522 009-012

OLD US 119 (KY 522) (MP 9.004) FROM 0.131 MILES NORTH OF BLANTON ROAD EXTENDING NORTH TO 0.120 MILES SOUTH OF US 119 CONNECTOR (MP 11.678), A DISTANCE OF 02.67 MILES.GUARDRAIL SYP NO. 11-4344.
GEOGRAPHIC COORDINATES LATITUDE 36:55:02.00 LONGITUDE 83:08:39.60
ADT 200

PCN - MP04808402401
FD04 048 0840 004-006

LAWNVALE ROAD (KY 840) (MP 4.918) FROM MORGAN DRIVE EXTENDING EAST BRANON DRIVE (MP 5.228), A DISTANCE OF 0.31 MILES.GUARDRAIL SYP NO. 11-4354.
GEOGRAPHIC COORDINATES LATITUDE 36:51:07.50 LONGITUDE 83:20:21.00
ADT 2,450

PCN - MP04816012401
FD04 048 1601 001-002

JONES CREEK ROAD (KY 1601) (MP 1.520) FROM COOTS LANE EXTENDING NORTH TO 0.045 MILES NORTH OF DYKES LANE (MP 1.845), A DISTANCE OF 0.33 MILES.GUARDRAIL SYP NO. 11-4332.
GEOGRAPHIC COORDINATES LATITUDE 36:50:37.00 LONGITUDE 83:13:07.00
ADT 425

PCN - MP04820072401
FD04 048 2007 000-002

HAPPY TOP ROAD (KY 2007) (MP 0.782) FROM 0.052 MILES NORTH OF ABE LANE EXTENDING NORTH TO 0.044 MILES SOUTH OF SYLVIA LANE (MP 1.925), A DISTANCE OF 01.14 MILES.GUARDRAIL SYP NO. 11-4353.
GEOGRAPHIC COORDINATES LATITUDE 36:48:54.60 LONGITUDE 83:26:30.80
ADT 270

PCN - MP04834492401
FD04 048 3449 000-002

FORESTERS CREEK ROAD (KY 3449) (MP 0.410) FROM 0.045 MILES NORTH OF FORESTRY CREEK BRIDGE ROAD EXTENDING NORTH TO FORESTRY CREEK BRIDGE (MP 1.924), A DISTANCE OF 01.51 MILES.GUARDRAIL SYP NO. 11-4323.
GEOGRAPHIC COORDINATES LATITUDE 36:48:54.60 LONGITUDE 83:26:30.80
ADT 220

COMPLETION DATE(S):
COMPLETED BY 10/31/2024 SPECIFIED COMPLETION DATE - ALL ITEMS IN CONTRACT

CONTRACT NOTES

PROPOSAL ADDENDA

All addenda to this proposal must be applied when calculating bid and certified in the bid packet submitted to the Kentucky Department of Highways. Failure to use the correct and most recent addenda may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's electronic bidding software. The Bidder must download the bid file located on the Bid Express website (www.bidx.com) 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 contractor, as defined in KRS 45A.030 (9) agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this contract for the purpose of financial audit or program review. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and

shall be exempt from disclosure as provided in KRS 61.878(1)(c). The contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884.

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

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: 2/29/2024

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

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

10/26/2023

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

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

DGA BASE FOR SHOULDERS

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

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

SPECIAL NOTE FOR TYPE 1 AND TYPE 4 END TREATMENTS

When the plans call for a Type 1 or Type 4 End Treatment, a MASH eligibility letter from FHWA is required for these end terminals. When a MASH tested eligibility letter is not available for the end terminal being utilized, the most recent NCHRP 350 eligibility letter from FHWA for that terminal will apply. Acceptance of the terminal will be at the discretion of the Engineer.

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

SPECIAL NOTE FOR SHOULDER PREPARATION

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 guardrail. The Department will not measure grading, shaping, and compacting shoulders for separate payment, but shall be incidental to Dense Graded Aggregate constructed on the shoulders and/or Guardrail, End Treatments, and Terminal Sections constructed on the shoulders.

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 specified herein, maintain and control traffic in accordance with the 2019 Standard and Supplemental Specifications, Special provisions and Special Notes, and the 2020 Standard and Sepia Drawings, current editions. Except for the roadway and traffic control bid items listed, furnish all other items necessary to maintain and control traffic incidental to the Contract lump sum price Maintain and Control Traffic.

Contrary to Section 106.01, furnish new, or used in like new condition, traffic control devices, at the beginning of the work and maintain the devices in like new condition until completion of the work.

PROJECT PHASING & CONSTRUCTION PROCEDURES

At the discretion of the Engineer, the Department may specify days and hours when lane closures will not be allowed. Prior to beginning work, provide a proposed lane closure and work schedule for the approval of the Engineer. The Department will provide public notification. Notify the Engineer immediately and obtain prior approval of any proposed deviations from the approved schedule.

Maintain alternating one-way traffic during construction. Unless directed otherwise by the Engineer, provide a minimum clear lane width as follows:

<u>ROUTE</u>	<u>CLEAR LANE WIDTH</u>
KY 522	8 FEET
KY 840	8 Feet
KY 1601	8 Feet
KY 2007	7 Feet
KY 3449	7 Feet

However, provide for passage of vehicles of up to sixteen (16) feet in width. If traffic should be stopped due to construction operations, and a school bus on an official run arrives on the scene, immediately make provisions for the passage of the bus.

LANE & SHOULDER CLOSURES

Do not leave lane closures in place during non-working hours. Do not store materials or equipment on shoulders during non-working hours. Protect partially completed guard rail system with a shoulder closure during non-working hours.

Traffic Control Plan
Page 2 of 2

CHANGEABLE MESSAGE SIGNS

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

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 (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

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

PAVEMENT EDGE DROP-OFFS

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

Less than 2" – No protection required.

2" to 4" – Place plastic drums, vertical panels, or barricades every 50 feet. The Engineer will allow cones in lieu of plastic drums, panels, and barricades during daylight working hours only. Wedge drop-offs within 10 feet of traffic with DGA as directed or approved by the Engineer with a 1:1 or flatter slope in daylight working hours, or 3:1 or flatter slope during nighttime hours or when work is not active in the drop-off area.

Pedestrians and Bicyclists – Protect Pedestrians and Bicyclists as directed by the Engineer.

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) 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

Erosion Control

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local government agency laws, regulations, rules, specifications, and permits. Contrary to Section 105.05, in case of discrepancy between these 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.

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 $\frac{1}{2}$ 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.

Erosion Control
Page 3 of 3

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 not measure Erosion Control or developing, updating, and maintaining a BMP plan for each site; providing a KEPSC 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, but shall be incidental to Guardrail-Steel W Beam-Single Face.

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.

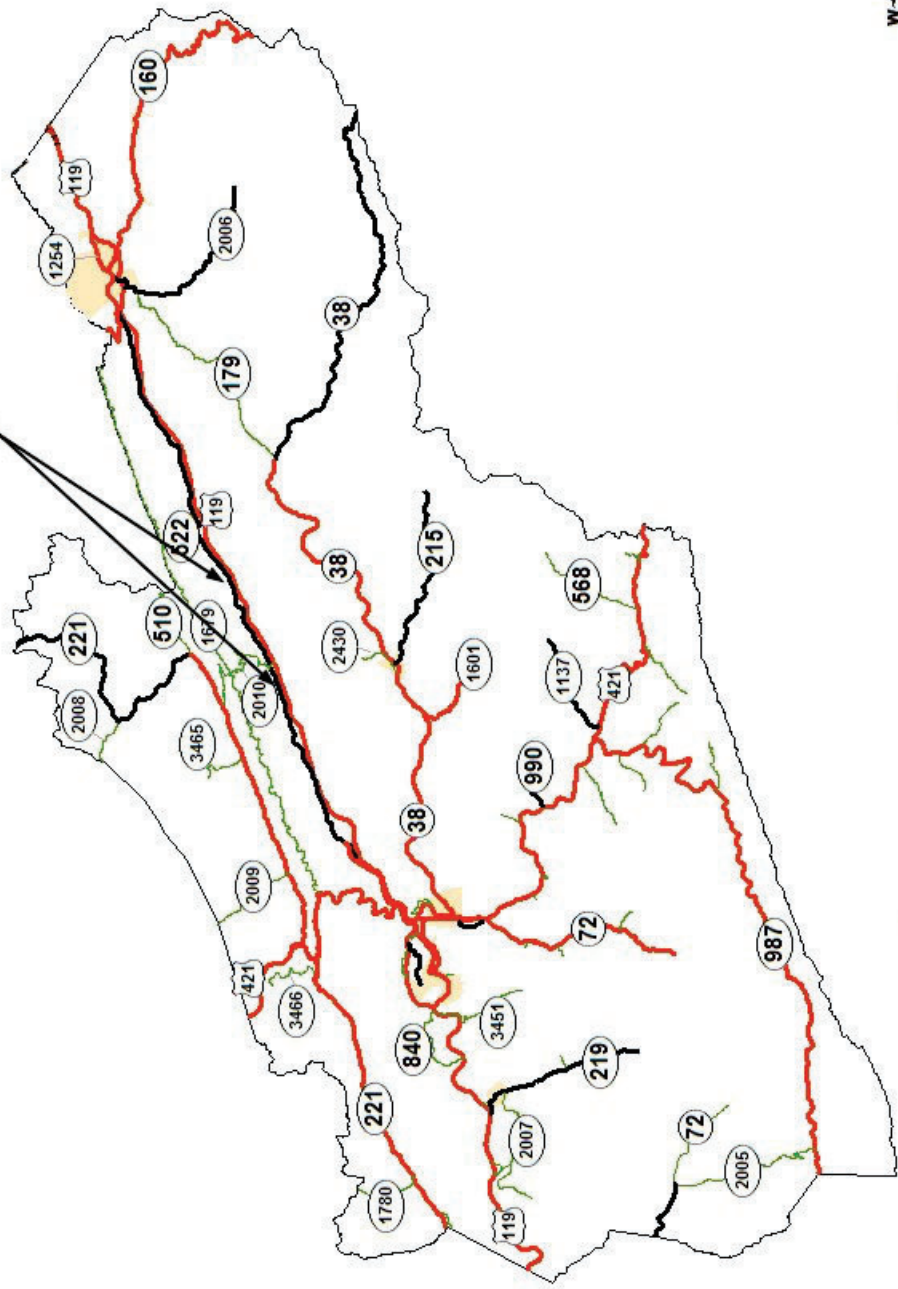
Sodding. If not listed as a bid item, but required by the BMP, the Department will pay for Sodding as Extra Work according to Sections 104.03 and 109.04.

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.



DEPARTMENT OF HIGHWAYS
MAP OF
HARLAN COUNTY

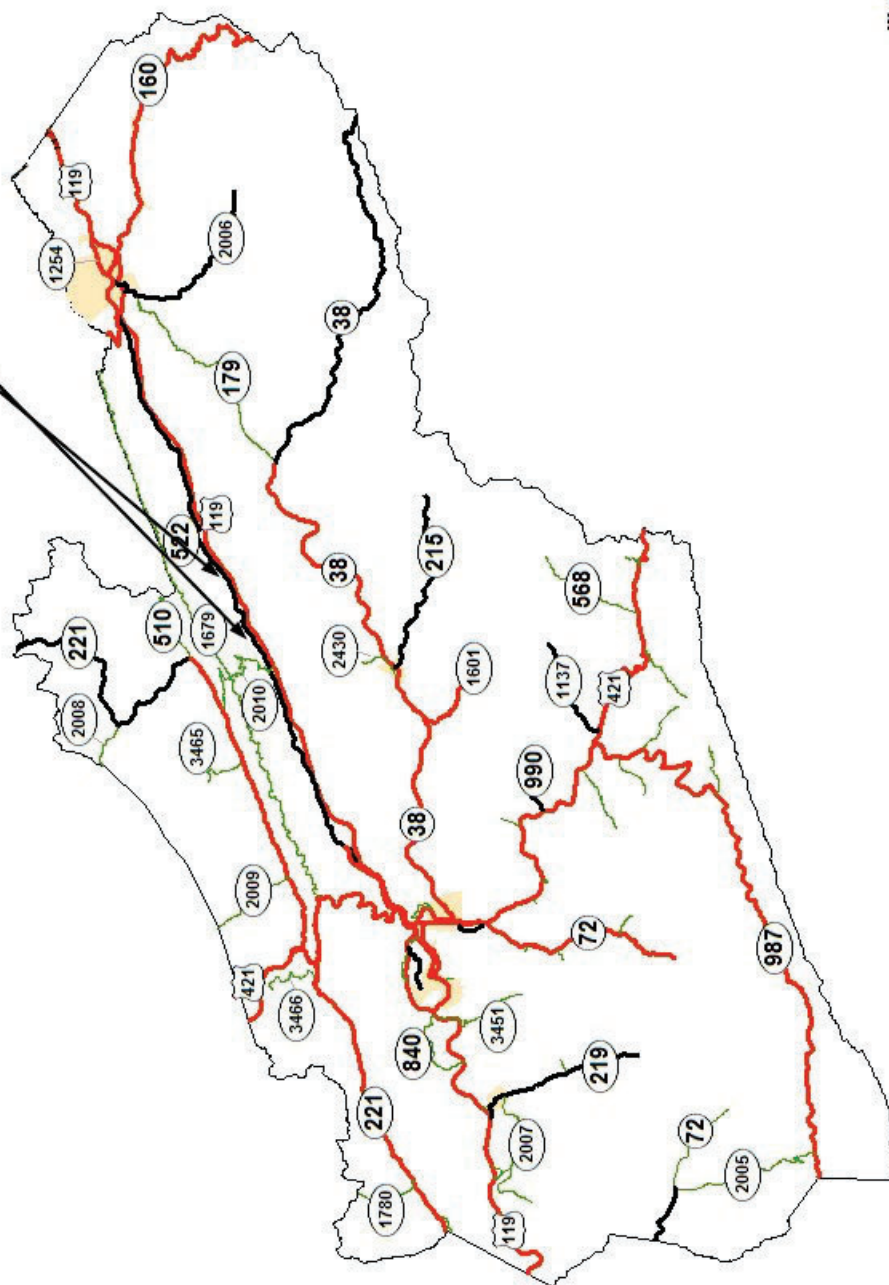
FD04 048 0522005-009



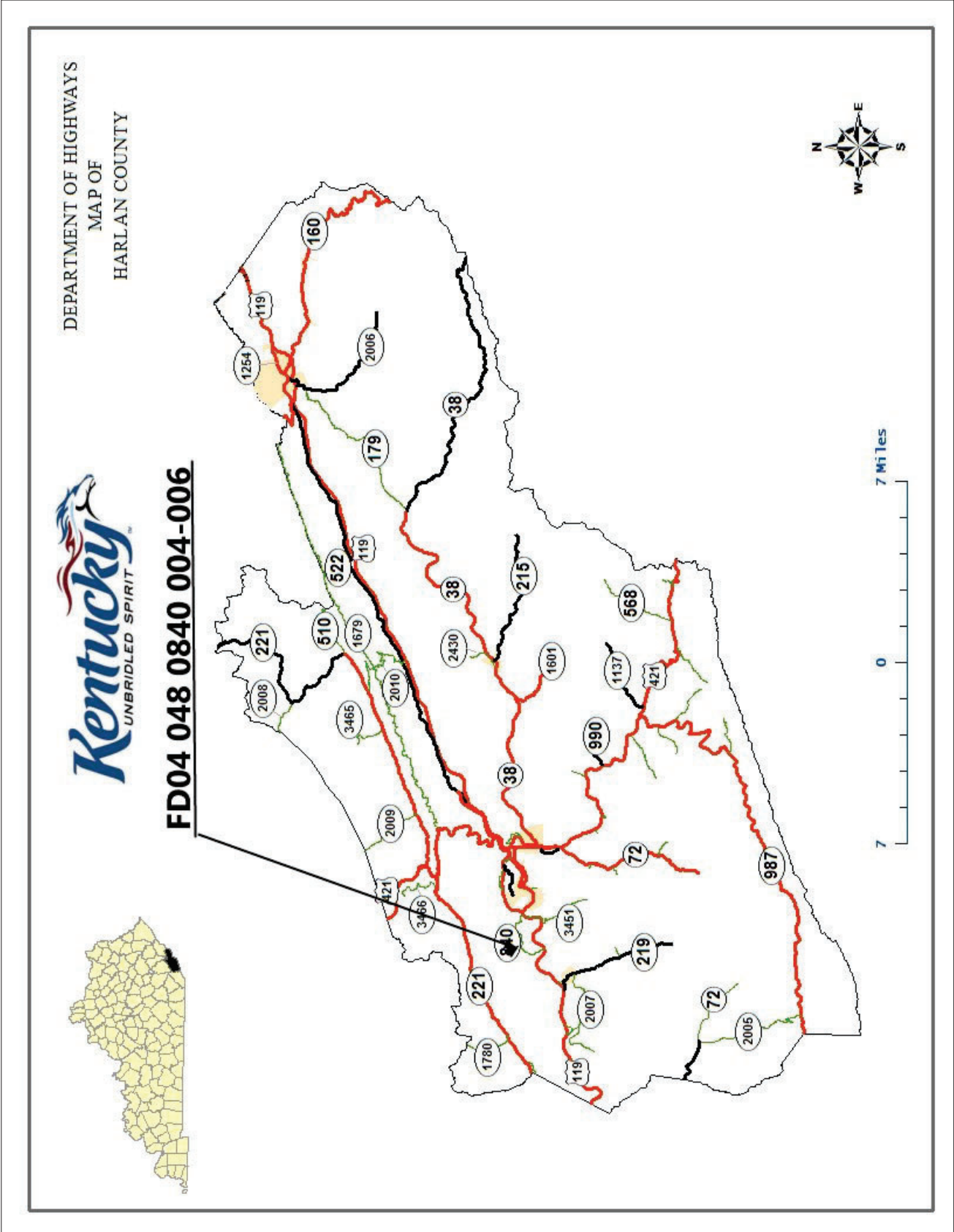


DEPARTMENT OF HIGHWAYS
MAP OF
HARLAN COUNTY

FD04 048 0522 009-012



7 Miles

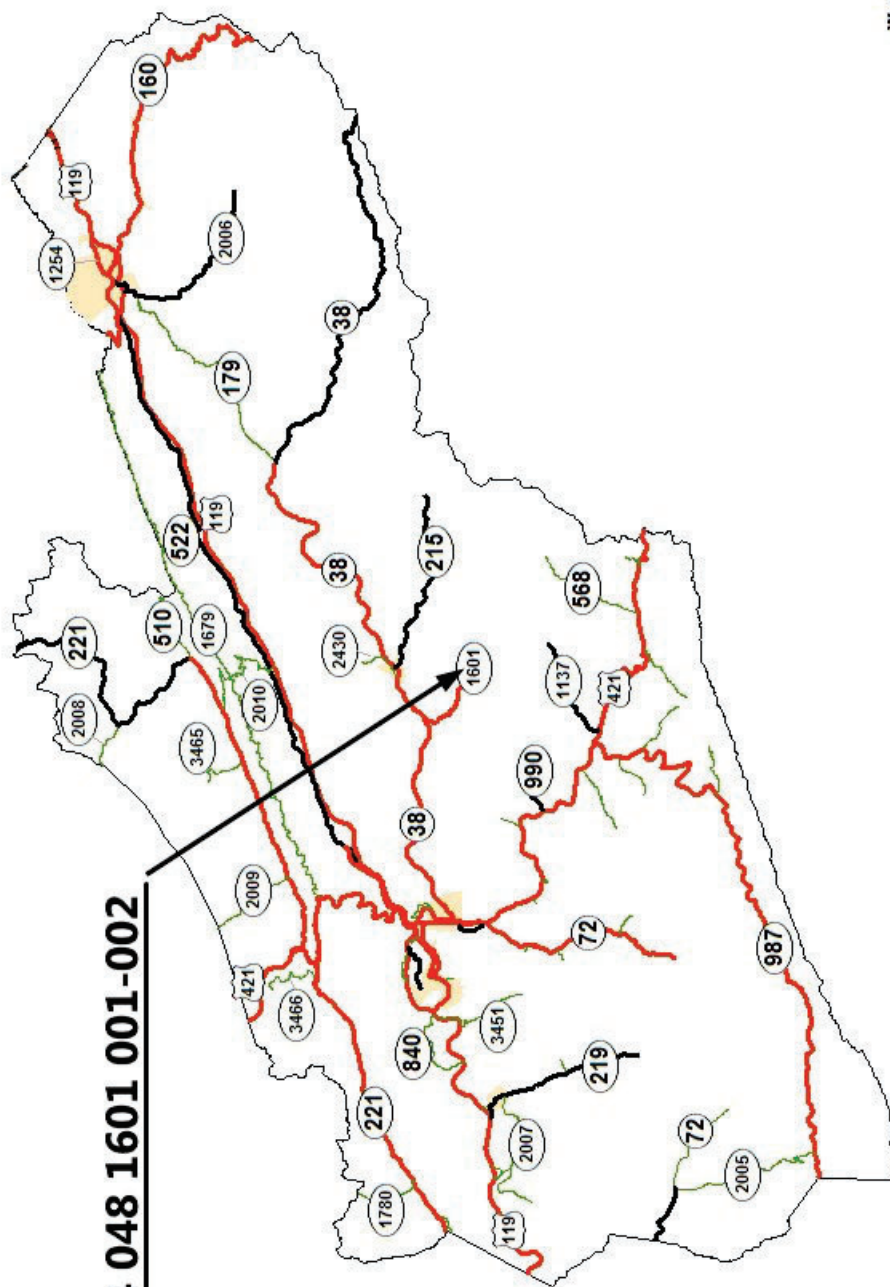


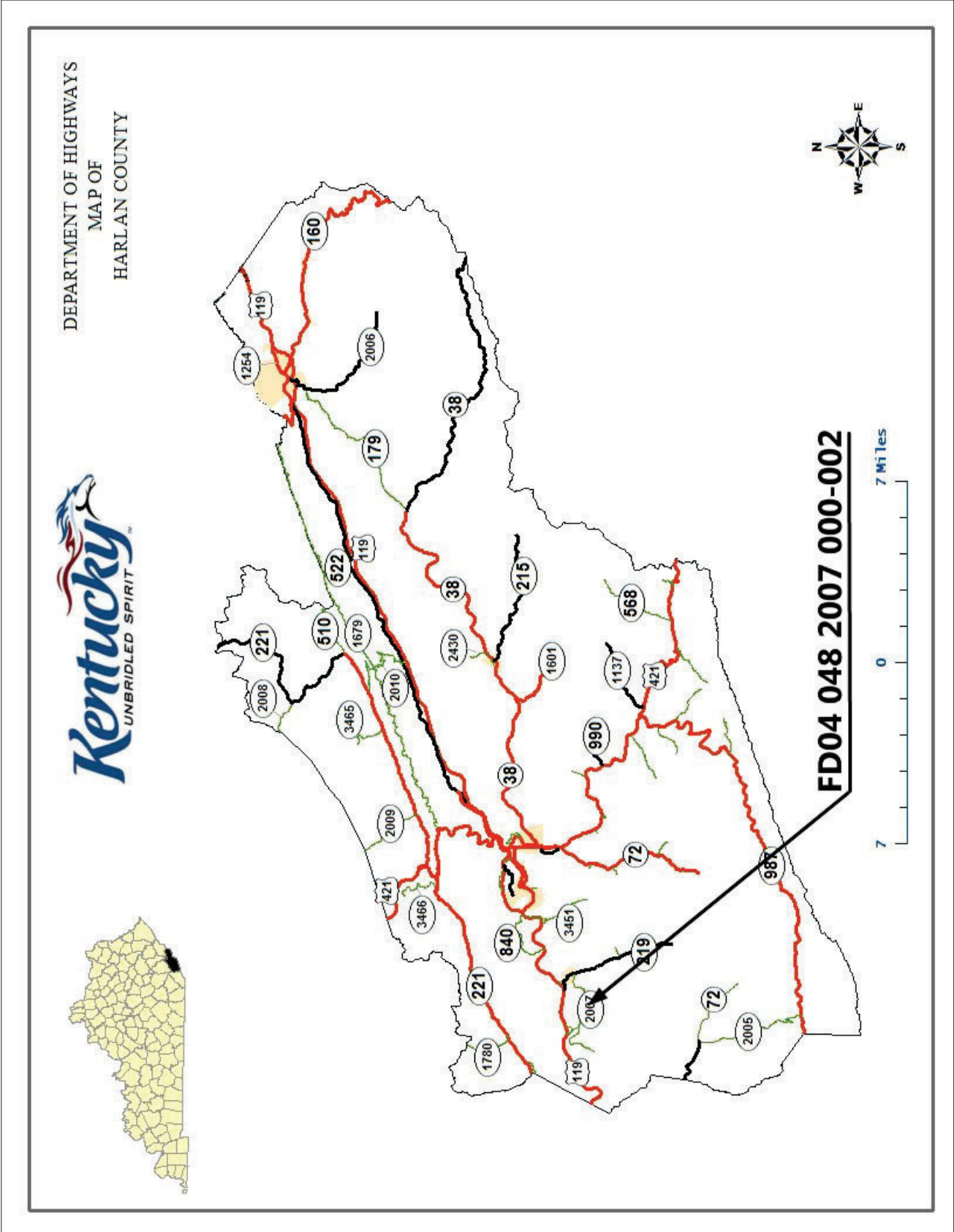


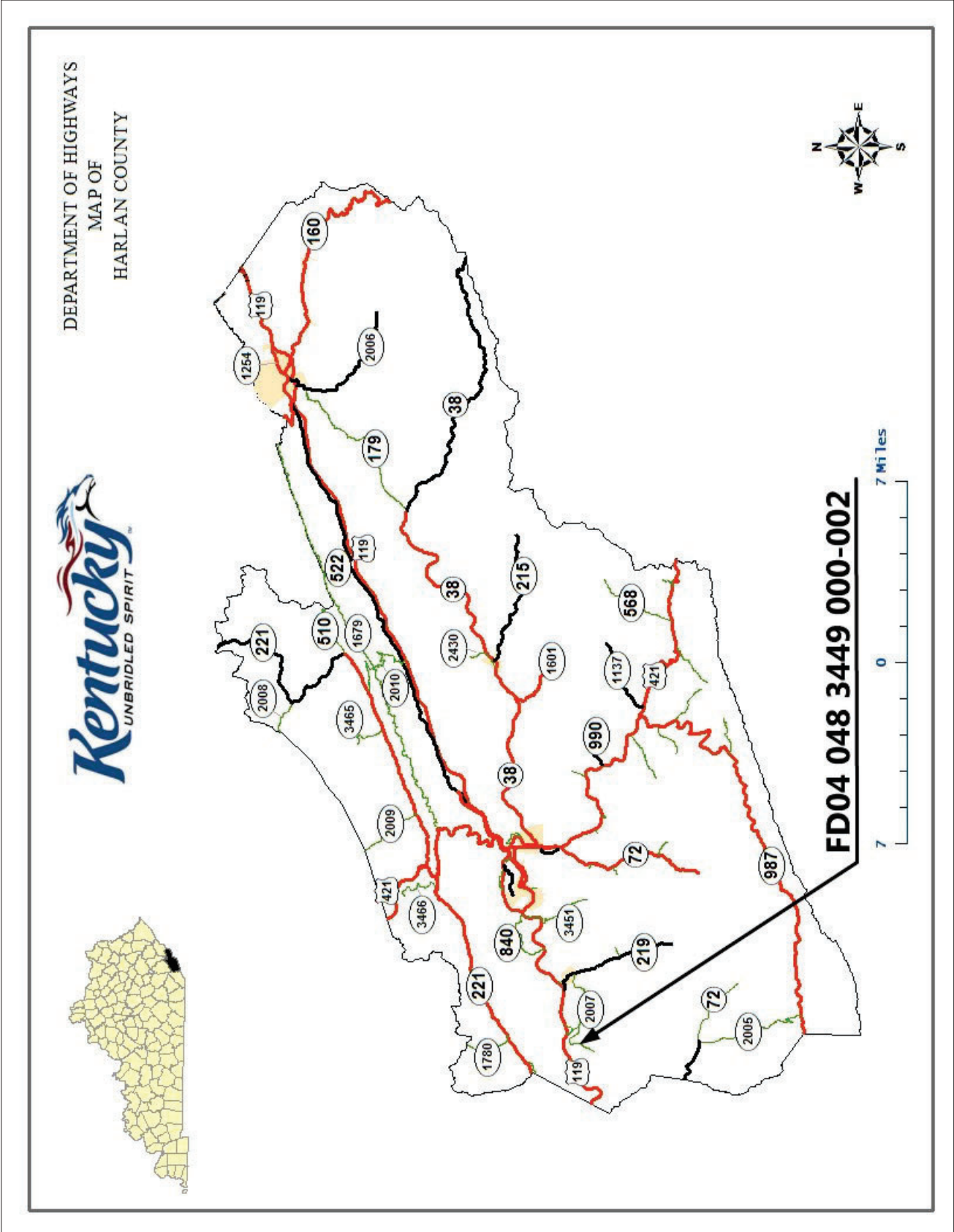
DEPARTMENT OF HIGHWAYS
MAP OF
HARLAN COUNTY



FD04 048 1601 001-002







MATERIAL SUMMARY

CONTRACT ID: 242231

048GR24P035-FD04

MP04805222401

OLD US 119 (KY 522) FROM 0.027 MILES NORTH OF SHRINERS ROAD EXTENDING NORTH TO 0.256 MILES SOUTH OF GREEN DRIVE GUARDRAIL, A DISTANCE OF 3.31 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	250.00	TON
0010	02351	GUARDRAIL-STEEL W BEAM-S FACE	6,587.50	LF
0015	02360	GUARDRAIL TERMINAL SECTION NO 1	10.00	EACH
0020	02371	GUARDRAIL END TREATMENT TYPE 7	5.00	EACH
0025	02373	GUARDRAIL END TREATMENT TYPE 3	7.00	EACH
0030	02399	EXTRA LENGTH GUARDRAIL POST - (9 FOOT LEMGTH)	135.00	EACH
0035	02562	TEMPORARY SIGNS	150.00	SQFT
0040	02650	MAINTAIN & CONTROL TRAFFIC - (KY 522 MILPOINT 005-009)	1.00	LS
0045	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 242231

048GR24P035-FD04

MP04805222402

OLD US 119 (KY 522) FROM 0.131 MILES NORTH OF BLANTON ROAD EXTENDING NORTH TO 0.120 MILES SOUTH OF US 119 CONNECTOR GUARDRAIL, A DISTANCE OF 2.67 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0050	00001	DGA BASE	250.00	TON
0055	02351	GUARDRAIL-STEEL W BEAM-S FACE	6,375.00	LF
0060	02360	GUARDRAIL TERMINAL SECTION NO 1	22.00	EACH
0065	02371	GUARDRAIL END TREATMENT TYPE 7	4.00	EACH
0070	02373	GUARDRAIL END TREATMENT TYPE 3	4.00	EACH
0075	02399	EXTRA LENGTH GUARDRAIL POST - (9 FOOT LENGTH)	101.00	EACH
0080	02562	TEMPORARY SIGNS	150.00	SQFT
0085	02650	MAINTAIN & CONTROL TRAFFIC - (KY 522 MILPOINT 009-012)	1.00	LS
0090	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 242231

048GR24P035-FD04

MP04808402401

LAWNVALE ROAD (KY 840) FROM MORGAN DRIVE EXTENDING EAST BRANON DRIVE GUARDRAIL, A DISTANCE OF .31 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0095	00001	DGA BASE	25.00	TON
0100	02351	GUARDRAIL-STEEL W BEAM-S FACE	725.00	LF
0105	02360	GUARDRAIL TERMINAL SECTION NO 1	6.00	EACH
0110	02367	GUARDRAIL END TREATMENT TYPE 1	2.00	EACH
0115	02371	GUARDRAIL END TREATMENT TYPE 7	1.00	EACH
0120	02381	REMOVE GUARDRAIL	87.50	LF
0125	02391	GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH
0130	02399	EXTRA LENGTH GUARDRAIL POST - (9 FOOT LEMGTH)	40.00	EACH
0135	02562	TEMPORARY SIGNS	150.00	SQFT
0140	02650	MAINTAIN & CONTROL TRAFFIC - (KY 840)	1.00	LS
0145	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 242231

048GR24P035-FD04

MP04816012401

JONES CREEK ROAD (KY 1601) FROM COOTS LANE EXTENDING NORTH TO 0.045 MILES NORTH OF DYKES LANE GUARDRAIL, A DISTANCE OF .33 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0150	00001	DGA BASE	560.00	TON
0155	02351	GUARDRAIL-STEEL W BEAM-S FACE	787.50	LF
0160	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0165	02395	REMOVE GUARDRAIL TERMINAL SECT - (ON BRIDGE AT BEGINNING)	1.00	EACH
0170	02396	REMOVE GUARDRAIL END TREATMENT - TYPE 7	1.00	EACH
0175	02399	EXTRA LENGTH GUARDRAIL POST - CRIB WALL (9 FOOT LEMGTH)	127.00	EACH
0180	02562	TEMPORARY SIGNS	150.00	SQFT
0185	02650	MAINTAIN & CONTROL TRAFFIC - (KY1601)	1.00	LS
0190	03236	CRIBBING - (ON CRIB WALL)	2,325.00	SQFT
0195	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 242231

048GR24P035-FD04

MP04820072401

HAPPY TOP ROAD (KY 2007) FROM 0.052 MILES NORTH OF ABE LANE EXTENDING NORTH TO 0.044 MILES SOUTH OF SYLVIA LANE GUARDRAIL, A DISTANCE OF 1.14 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0200	00001	DGA BASE	150.00	TON
0205	02351	GUARDRAIL-STEEL W BEAM-S FACE	3,737.50	LF
0210	02360	GUARDRAIL TERMINAL SECTION NO 1	7.00	EACH
0215	02371	GUARDRAIL END TREATMENT TYPE 7	7.00	EACH
0220	02381	REMOVE GUARDRAIL	37.50	LF
0225	02399	EXTRA LENGTH GUARDRAIL POST - (9 FOOT LEMGTH)	45.00	EACH
0230	02562	TEMPORARY SIGNS	150.00	SQFT
0235	02650	MAINTAIN & CONTROL TRAFFIC - (KY 2007)	1.00	LS
0240	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 242231

048GR24P035-FD04

MP04834492401

FORESTERS CREEK ROAD (KY 3449) FROM 0.045 MILES NORTH OF FORESTRY CREEK BRIDGE ROAD EXTENDING NORTH TO FORESTRY CREEK BRIDGE GUARDRAIL, A DISTANCE OF 1.51 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0245	00001	DGA BASE	250.00	TON
0250	02351	GUARDRAIL-STEEL W BEAM-S FACE	6,025.00	LF
0255	02360	GUARDRAIL TERMINAL SECTION NO 1	7.00	EACH
0260	02367	GUARDRAIL END TREATMENT TYPE 1	1.00	EACH
0265	02371	GUARDRAIL END TREATMENT TYPE 7	7.00	EACH
0270	02373	GUARDRAIL END TREATMENT TYPE 3	1.00	EACH
0275	02399	EXTRA LENGTH GUARDRAIL POST - CRIB WALL (9 FOOT LENGTHS)	12.00	EACH
0280	02399	EXTRA LENGTH GUARDRAIL POST - GUARDRAIL STRINGS (9 FOOT LEMGTH)	640.00	EACH
0285	02562	TEMPORARY SIGNS	150.00	SQFT
0290	02650	MAINTAIN & CONTROL TRAFFIC - (KY 3449)	1.00	LS
0295	03236	CRIBBING - (ON CRIB WALL)	200.00	SQFT
0300	03236	CRIBBING - (ON GUARDRAIL STRINGS)	1,000.00	SQFT
0305	02569	DEMOBILIZATION	1.00	LS

GUARDRAIL SUMMARY
FD04 048 0522 005-009

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	Type 7	5.662	6.036	Type 7	1,975.0						
Right	Radius & Term Sect No. 1	6.068	6.160	Type 7	487.5						
Right	Radius & Term Sect No. 1	7.418	7.546	Type 3	687.5						
Right	Type 3	7.594	7.680	Radius & Term Sect No. 1	462.5						
Left	Radius & Term Sect No. 1	7.746	7.774	Radius & Term Sect No. 1	150.0						
Right	Type 3	7.730	7.781	Radius & Term Sect No. 1	275.0						
Right	Radius & Term Sect No. 1	8.108	8.188	Type 7	425.0	Nolansburg Road					
Right	Type 3	8.290	8.360	Type 3	375.0						
Right	Type 3	8.373	8.558	Type 3	987.5						
Right	Radius & Term Sect No. 1	8.608	8.688	Type 7	425.0	Splint Bottom					
Right	Radius & Term Sect No. 1	8.916	8.978	Radius & Term Sect No. 1	337.5	Entrance					

Totals = 6,587.5 Totals = 0.0

Type 1	0
Type 2A	0
Type 3	7
Type 4	0
Type 7	5
Terminal Sect No. 1	10

GUARDRAIL SUMMARY

FD04 048 0522 009-012

NEW GUARDRAIL												REMOVE GUARDRAIL				
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS					
8.004	Radius & Term Sect No. 1	9.004	9.196	Radius & Term Sect No. 1	1,025.0											
Right	Radius & Term Sect No. 1	9.256	9.385	Radius & Term Sect No. 1	687.5											
Right	Radius & Term Sect No. 1	9.444	9.520	Type 7	412.5											
Left	Type 3	9.661	9.691	Radius & Term Sect No. 1	162.5											
Right	Type 3	9.651	9.691	Radius & Term Sect No. 1	212.5											
Righr	Radius & Term Sect No. 1	9.746	9.800	Radius & Term Sect No. 1	287.5											
Right	Radius & Term Sect No. 1	9.825	9.870	Radius & Term Sect No. 1	250.0											
Right	Radius & Term Sect No. 1	9.876	9.947	Radius & Term Sect No. 1	375.0	Driveway										
Right	Type 7	9.950	9.999	Radius & Term Sect No. 1	262.5	Driveway										
Left	Radius & Term Sect No. 1	10.006	10.025	Radius & Term Sect No. 1	112.5	Splint Bottom										
Right	Radius & Term Sect No. 1	10.025	10.135	Type 3	587.5											
Right	Type 3	10.237	10.320	Radius & Term Sect No. 1	450.0											
Right	Radius & Term Sect No. 1	11.460	11.508	Type 7	262.5											
Right	Radius & Term Sect No. 1	10.670	10.763	Radius & Term Sect No. 1	500.0											
Right	Radius & Term Sect No. 1	11.530	11.678	Type 7	787.5											

Type 1	0
Type 2A	0
Type 3	4
Type 4	0
Type 7	22
Terminal Sect No. 1	10

GUARDRAIL SUMMARY
FD04 048 0840 004-006

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 1	4.926	4.948	Radius & Term Sect No. 1	125.0		Left	5.045	5.061	87.5	
Right	Type 1	5.060	5.096	Radius & Term Sect No. 1	200.0						
Left	Type 7	5.045	5.061	Radius & Term Sect No. 1	87.5						
Left	Radius & Term Sect No. 1	5.090	5.118	Radius & Term Sect No. 1	150.0						
Right	Type 4A	5.090	5.119	Radius & Term Sect No. 1	162.5						

Totals = 725.0

Totals = 87.5

Type 1	2
Type 2A	0
Type 3	0
Type 4A	1
Type 7	1
Terminal Sect No. 1	6

GUARDRAIL SUMMARY
FD04 048 1601 001-002

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	Radius & tTie to Bridge Rail	1.520	1.580	Tie to existing	325.0		Left	1,52		0	Remove Terminal Section No. 1
							Left		1.580	0	Remove End Treat Ty 7
Left	Radius & Term Sect No. 1	1.756	1.789	Radius & Term Sect No. 1	175.0						
Left	Radius & Term Sect No. 1	1.792	1.845	Radius & Term Sect No. 1	287.5						

Totals = 0.0

Totals = 787.5

- Type 10
- Type 2A0
- Type 30
- Type 4A1
- Type 71
- Terminal Sect No. 14

GUARDRAIL SUMMARY
FD04 048 2007 000-002

NEW GUARDRAIL							REMOVE GUARDRAIL				
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	LIN FEET	REMARKS
North Bound	Type 7	0.782	0.954	Type 7	912.5		North Bound	0.99	0.997	37.5	
North Bound	Type 7	0.968	1.033	Radius & Term Sect No, 1	350.0						
North Bound	Radius & Term Sect No, 1	1.043	1.103	Type 7	325.0						
North Bound	type 7	1.495	1.550	Type 7	300.0						
North Bound	Radius & Term Sect No, 1	1.557	1.578	Radius & Term Sect No, 1	112.5						
North Bound	Radius & Term Sect No, 1	1.593	1.874	Radius & Term Sect No, 1	1,487.5						
North Bound	Radius & Term Sect No, 1	1.880	1.925	Type 7	250.0						

Totals = 37.5

Totals = 3,737.5

- Type 10
- Type 2A0
- Type 30
- Type 4A0
- Type 77
- Terminal Sect No. 17

GUARDRAIL SUMMARY
FD04 048 3449 000-002

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	Radius & Term Sect No, 1	0.423	0.482	Type 1	312.5	0.448-0.482 Extra Length Posts					
Left	Radius & Term Sect No, 1	0.488	0.601	Type 7	600.0	0.491-0.565 Extra Length Posts					
Left	Radius & Term Sect No, 1	0.606	0.666	Type 7	325.0	All Extra Length Posts					
Left	Type 7	0.670	0.959	Radius & Term Sect No, 1	1,537.5	0.670-0.775 & 0.868-0.930 Extra Length Posts					
Left	Type 7	1.067	1.225	Type 7	837.5	1.081-1.153 Extra Length Posts					
Left	Type 3	1.340	1.527	Type 7	987.5	All Extra Length Posts					
Left	Radius & Term Sect No, 1	1.612	1.768	Radius & Term Sect No, 1	825.0	1.612-1.653 Extra Length Posts					
Left	Radius & Term Sect No, 1	1.811	1.924	Type 7	600.0	All Extra Length Posts					

Type 1	1
Type 2A	0
Type 3	1
Type 4A	0
Type 7	7
Terminal Sect No. 1	7

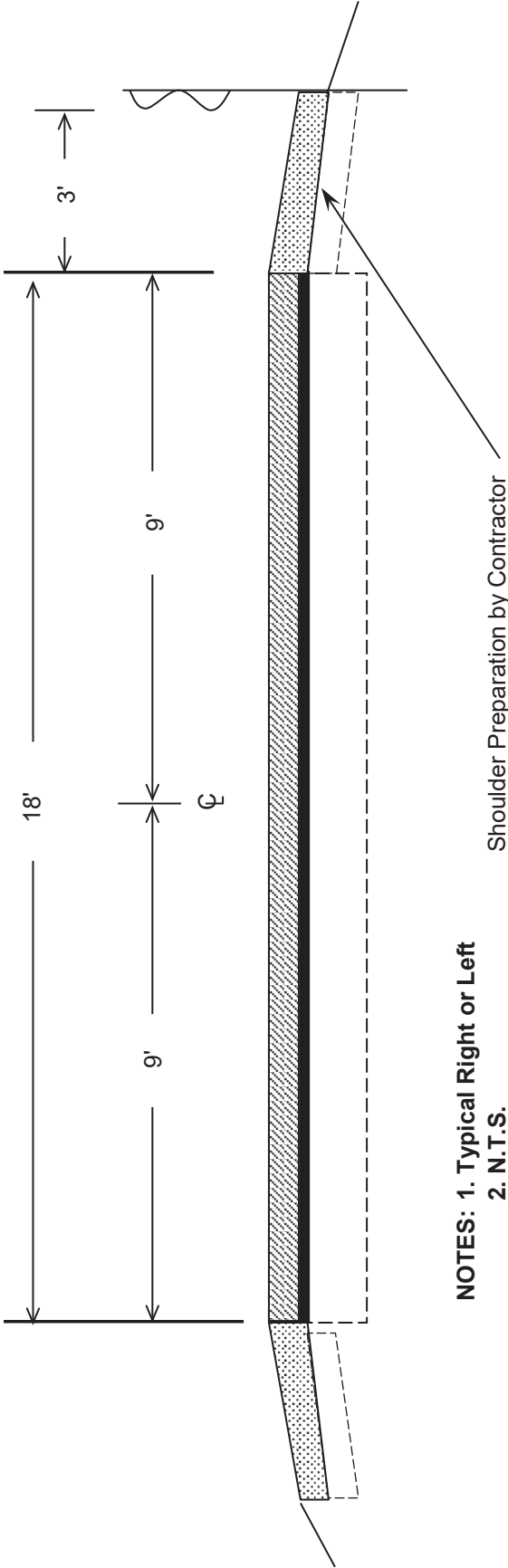
CEIBBING SUMMARY
FD04 048 1601 001-002

CRIBBING							
LANE	BEGIN MILEPOINT	END MILEPOINT	LENGTH	CRIBBING (SQ FT)	EX LENGTH POSTS (EA)	DGA (TONS)	COMMENT
Left	1.520	1.580	317	950	52	105	CRIB WALL
Left	1.756	1.789	174	525	29	60	CRIB WALL
Left	1.792	1.845	280	850	46	95	CRIB WALL
Total =				2,325	127	260	

CRIBBING SUMMARY
FD04 048 3449 000-002

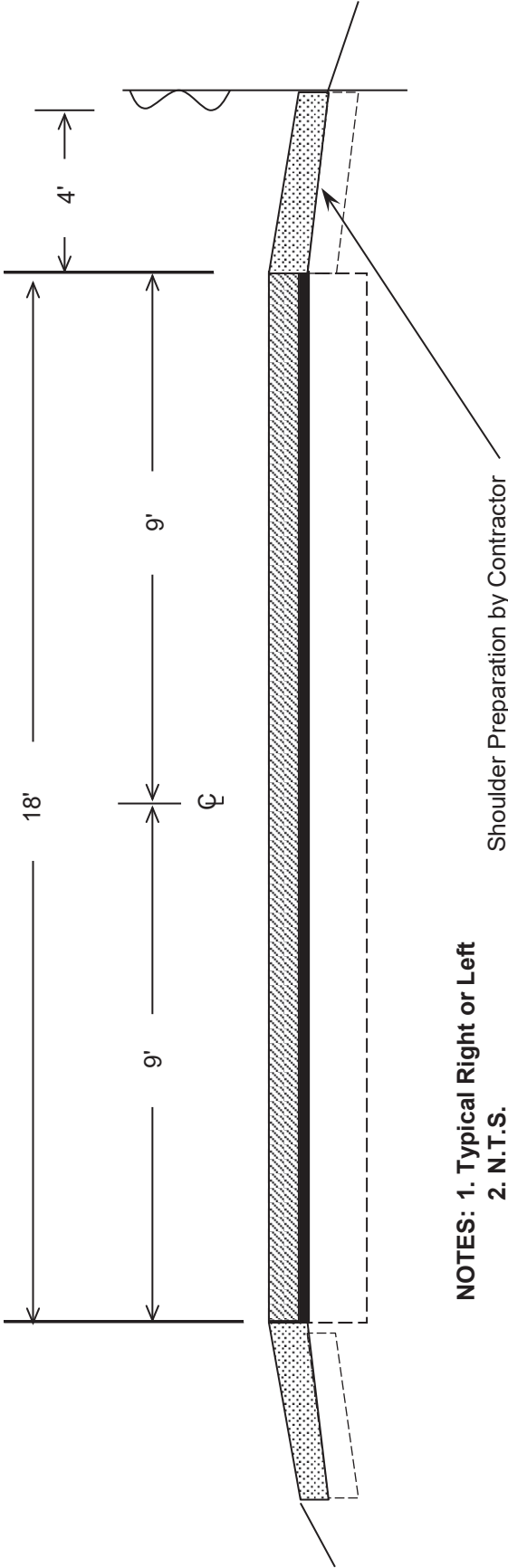
CRIBBING							
LANE	BEGIN MILEPOINT	END MILEPOINT	LENGTH (LF)	CRIBBING (SQ FT)	EX LENGTH POSTS (EA)	DGA (TONS)	LOCATION
Left	0.519	0.532	70	200	12	25	SEPARATE CRIB WALL
Left	0.448	1.924	4,000	1,000	640	225	VARIUS LOCATIONS ON GUARDRAIL STRING
Total =				1,200	652	250	

TYPICAL SECTION
KY 522



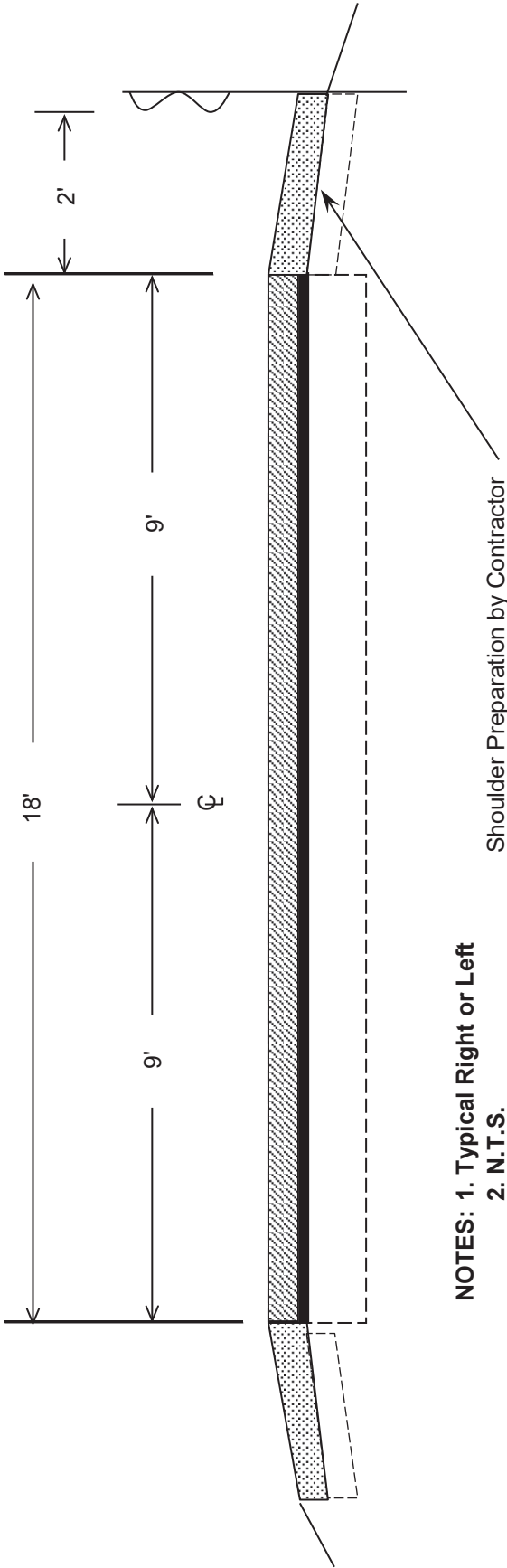
NOTES: 1. Typical Right or Left
2. N.T.S.

TYPICAL SECTION
KY 840



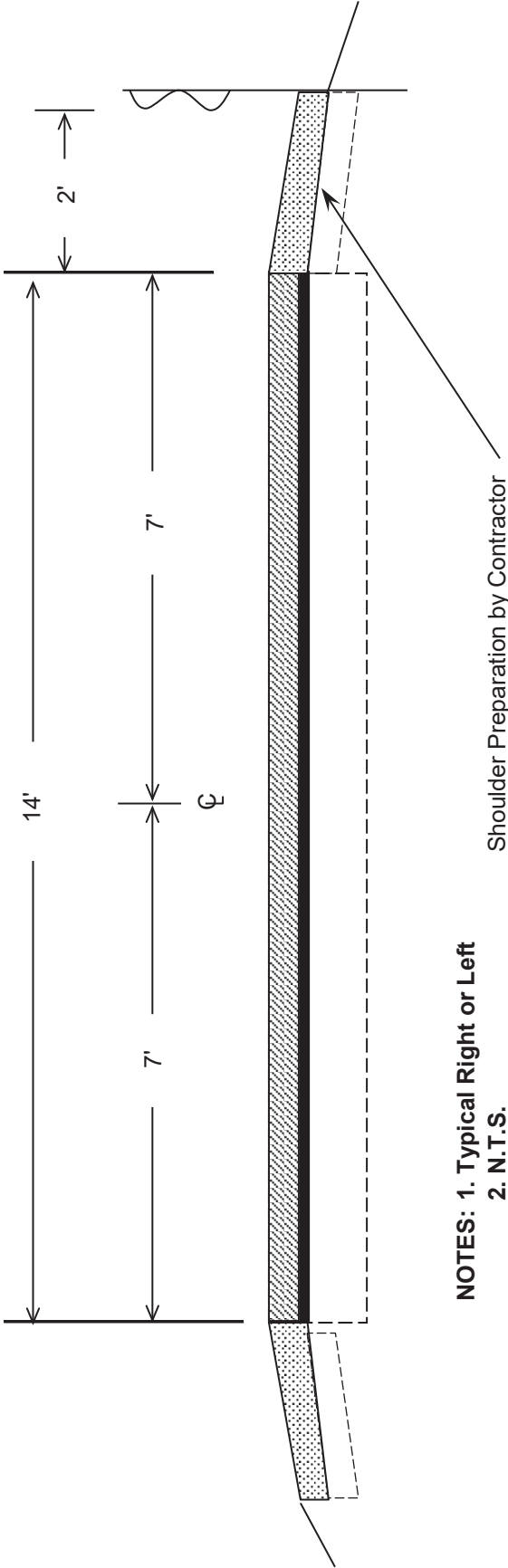
NOTES: 1. Typical Right or Left
2. N.T.S.

TYPICAL SECTION
KY 1601



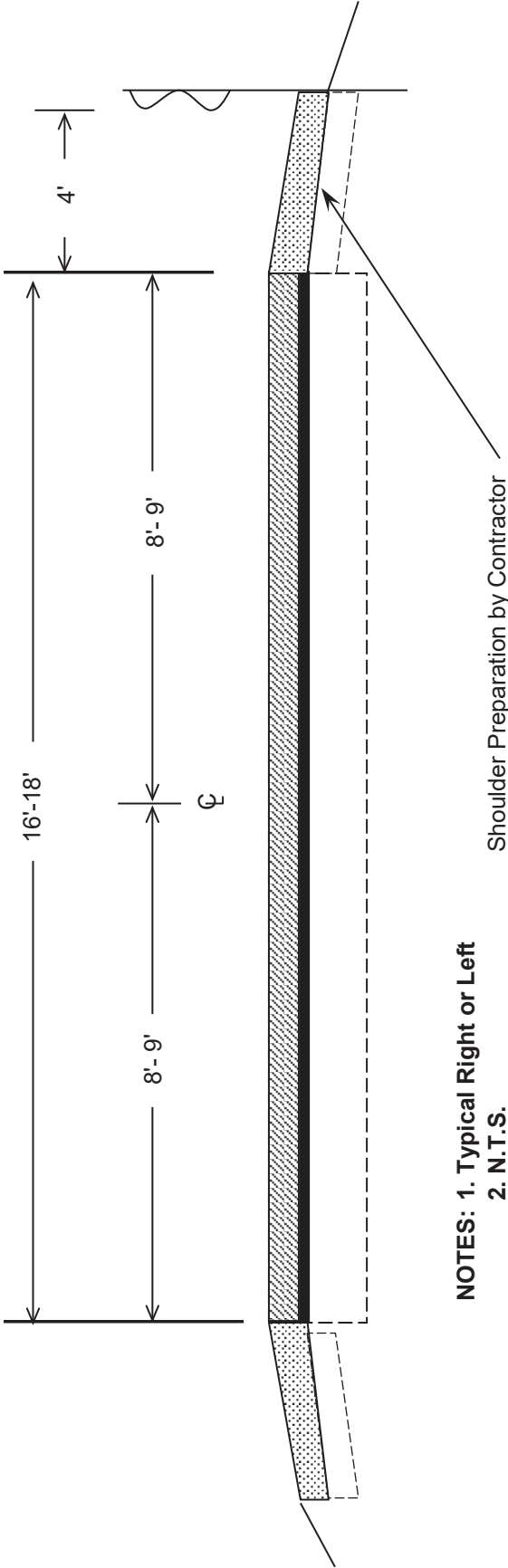
NOTES: 1. Typical Right or Left
2. N.T.S.

TYPICAL SECTION
KY 2007

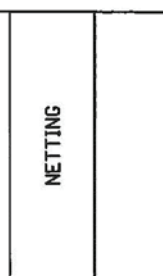


NOTES: 1. Typical Right or Left
2. N.T.S.

TYPICAL SECTION
KY 3449



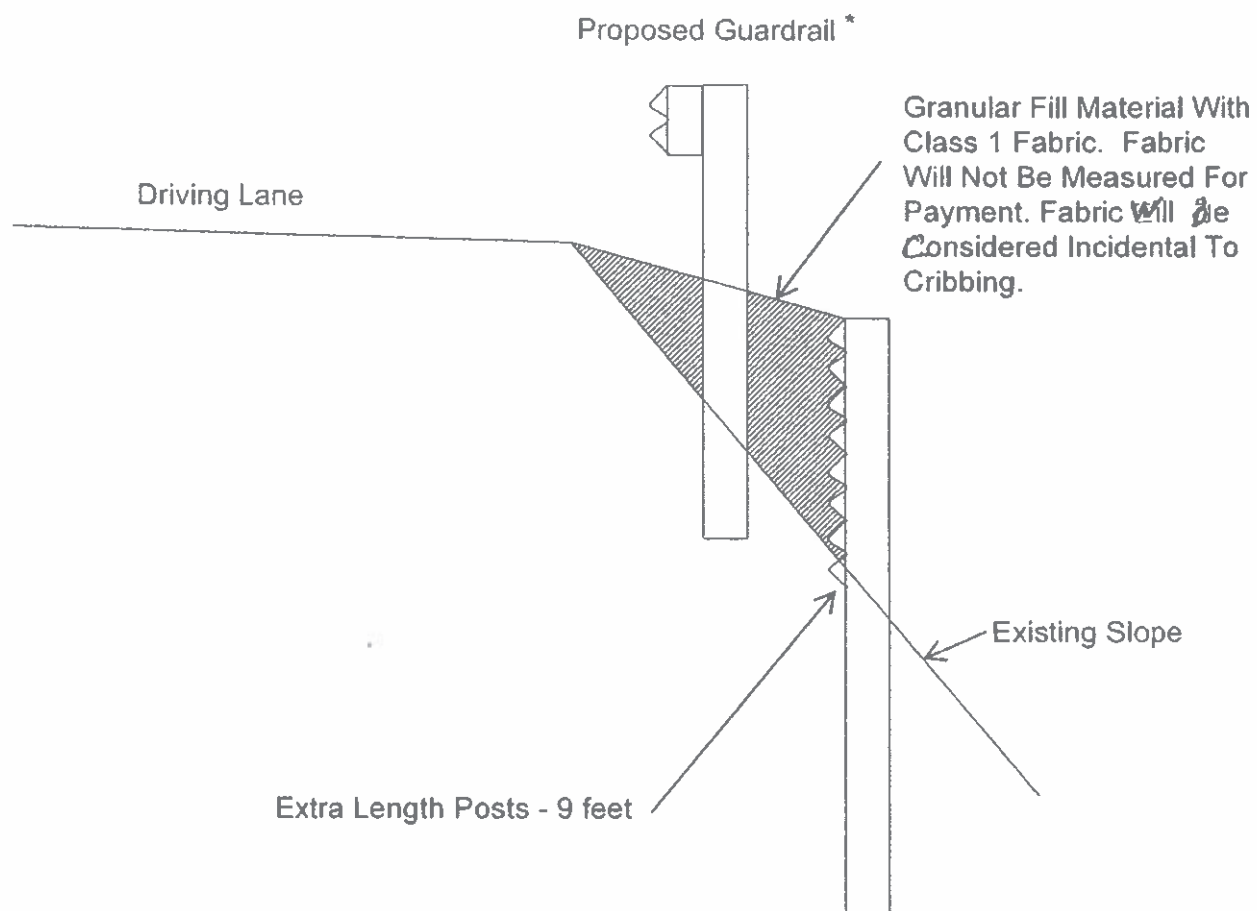
NOTES: 1. Typical Right or Left
2. N.T.S.



CRIB WALL DETAIL

FD04 048 1601 001-002

FD04 048 3449 000-002



* MIN. 2 FT FACE OFFSET FROM EOP

Guardrail Delivery Verification Sheet

CONTRACT ID:

PROJECT NUMBER:

<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 Harlan County Maintenance facility, neatly stacked in accordance with section 719.03.07 of the standard specifications. The Contractor, Engineer, and Harlan 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)			
Harlan 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
INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1	RBI-004-06
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 1	RBR-020-07
GUARDRAIL END TREATMENT TYPE 3	RBR-030-05
GUARDRAIL END TREATMENT TYPE 3 PIPE DRAINAGE DETAPL	RBR-031-01
GUARDRAIL END TREATMENT TYPE 3 ALTERNATE ANCHOR	RBR-032
GUARDRAIL END TREATMENT TYPE 7	RBR-050-08
GUARDRAIL END TREATMENT TYPE 7 ALTERNATE ANCHOR	RBR-051-01
DELINEATORS FOR GUARDRAIL.....	RBR-055-01
TEMPORARY SILT FENCE	RDX-210-03
TEMPORARY SILT FENCE WITH WOVEN WIRE FENCE FABRIC	RDX-215-01
SILT TRAP - TYPE A.....	RDX-220-05
SILT TRAP - TYPE B.....	RDX-225-01
SILT TRAP - TYPE C.....	RDX-230-01
CURVE WIDENING AND SUPERELEVATION TRANSITIONS	RGS-001-07
MISCELLANEOUS STANDARDS.....	RGX-001-06
LANE CLOSURE TWO-LANE HIGHWAY	TTC-100-05
SHOULDER CLOSURE	TTC-135-03
PAVEMENT CONDITION WARNING SIGNS.....	TTD-125-06

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

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

KRS 11A.040 (7) provides:

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

KRS 11A.040 (9) states:

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

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

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

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

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

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, 1025 Capital Center Drive, Suite 104, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: May 23, 2022

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

INSURANCE

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

PART V

BID ITEMS

Report Date 5/17/24

Section: 0001 - GUARDRAIL

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	1,485.00	TON		\$	
0020	02351		GUARDRAIL-STEEL W BEAM-S FACE	24,237.50	LF		\$	
0030	02360		GUARDRAIL TERMINAL SECTION NO 1	56.00	EACH		\$	
0040	02367		GUARDRAIL END TREATMENT TYPE 1	3.00	EACH		\$	
0050	02371		GUARDRAIL END TREATMENT TYPE 7	24.00	EACH		\$	
0060	02373		GUARDRAIL END TREATMENT TYPE 3	12.00	EACH		\$	
0070	02381		REMOVE GUARDRAIL	125.00	LF		\$	
0080	02391		GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH		\$	
0090	02395		REMOVE GUARDRAIL TERMINAL SECT (ON BRIDGE AT BEGINNING)	1.00	EACH		\$	
0100	02396		REMOVE GUARDRAIL END TREATMENT TYPE 7	1.00	EACH		\$	
0110	02399		EXTRA LENGTH GUARDRAIL POST (9 FOOT LEMGTH)	321.00	EACH		\$	
0120	02399		EXTRA LENGTH GUARDRAIL POST CRIB WALL (9 FOOT LEMGTH)	127.00	EACH		\$	
0130	02399		EXTRA LENGTH GUARDRAIL POST CRIB WALL (9 FOOT LENGTHS)	12.00	EACH		\$	
0140	02399		EXTRA LENGTH GUARDRAIL POST GUARDRAIL STRINGS (9 FOOT LEMGTH)	640.00	EACH		\$	
0150	02562		TEMPORARY SIGNS	900.00	SQFT		\$	
0160	02650		MAINTAIN & CONTROL TRAFFIC (KY 2007)	1.00	LS		\$	
0170	02650		MAINTAIN & CONTROL TRAFFIC (KY 3449)	1.00	LS		\$	
0180	02650		MAINTAIN & CONTROL TRAFFIC (KY 522 MILPOINT 005-009)	1.00	LS		\$	
0190	02650		MAINTAIN & CONTROL TRAFFIC (KY 522 MILPOINT 009-012)	1.00	LS		\$	
0200	02650		MAINTAIN & CONTROL TRAFFIC (KY 840)	1.00	LS		\$	
0210	02650		MAINTAIN & CONTROL TRAFFIC (KY1601)	1.00	LS		\$	
0220	03236		CRIBBING (ON CRIB WALL)	2,525.00	SQFT		\$	
0230	03236		CRIBBING (ON GUARDRAIL STRINGS)	1,000.00	SQFT		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0240	02569		DEMOBILIZATION	1.00	LS		\$	