

CALL NO. 402
CONTRACT ID. 202040
KNOX COUNTY
FED/STATE PROJECT NUMBER 061GR20P007-FE06
DESCRIPTION KNOX COUNTY KY 11
WORK TYPE GUARDRAIL
PRIMARY COMPLETION DATE 8/1/2020

LETTING DATE: January 24,2020

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 am EASTERN STANDARD TIME January 24,2020. Bids will be publicly announced at 10:00 am EASTERN STANDARD TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

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

TABLE OF CONTENTS

PART I SCOPE OF WORK

- PROJECT(S), COMPLETION DATE(S), & LIQUIDATED DAMAGES
- CONTRACT NOTES
- STATE CONTRACT NOTES
- DGA BASE
- 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 PLAN FOR MAINTENANCE PROJECTS
- SKETCH MAP(S)
- MATERIAL SUMMARY
- SUMMARY SHEET(S)
- TYPICAL SECTION(S)
- DETAIL SHEET(S)
- GUARDRAIL ON BRIDGE CASE I

PART II SPECIFICATIONS AND STANDARD DRAWINGS

- SPECIFICATIONS REFERENCE
- SUPPLEMENTAL SPECIFICATION
- 2016 STANDARD DRAWINGS THAT APPLY
- GUARDRAIL TRANSITION FROM NORMAL SHOULDER TO NARROW BRIDGE
- TYPICAL GUARDRAIL INSTALLATIONS
- INSTALLATION OF GUARDRAIL END TREATMENT TYPE I
- STEEL BEAM GUARDRAIL ("W" BEAM)
- STEEL GUARDRAIL POSTS
- GUARDRAIL END TREATMENT TYPE I
- DELINEATORS FOR GUARDRAIL
- GUARDRAIL SYSTEM TRANSITION
- RAILING SYSTEM TYPE II

PART III EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

- 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 INSURANCE

PART V BID ITEMS

PART I SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 11

CONTRACT ID - 202040 061GR20P007-FE06

COUNTY - KNOX

PCN - MP06100112001 FE06 061 0011 018-019

BARBOURVILLE-MANCHESER ROAD (KY 11) (MP 18.685) FROM 1,180 FEET NORTH OF VAUGHN HILL LANE EXTENDING NORTH TO 100 FEET NORTH OF GENTRY JONES ROAD (MP 18.880), A DISTANCE OF 0.20 MILES.GUARDRAIL

GEOGRAPHIC COORDINATES LATITUDE 36:58:25.00 LONGITUDE 83:50:00.00

PCN - MP06100112002 FE06 061 0011 005-006

SOUTH KENTUCKY 11 HIGHWAY (KY 11) (MP 5.220) FROM 765 FEETNORTH OF PRICHARD BRANCH ROAD EXTENDING NORTH TO 590 FEETNORTH OF RUFUS MILLS ROAD (MP 5.670), A DISTANCE OF 0.45 MILES.GUARDRAIL

GEOGRAPHIC COORDINATES LATITUDE 36:49:08.00 LONGITUDE 83:55:19.00

COMPLETION DATE(S):

SPECIFIED COMPLETION DATE - COMPLETED BY 08/01/2020 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 fax (502) 564-7299 or 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/contract). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

HARDWOOD REMOVAL RESTRICTIONS

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

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

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

ACCESS TO RECORDS

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

Contract ID: 202040 Page 7 of 66

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

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

April 30, 2018

Contract ID: 202040 Page 8 of 66

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

Contract ID: 202040 Page 9 of 66

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.

Contract ID: 202040 Page 11 of 66

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.

Contract ID: 202040 Page 13 of 66

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 and endtreatments. The Department will not measure grading, shaping, and compacting shoulders for separate payment, but shall be incidental to the DGA placed on the shoulders.

1-3245 Shoulder Preparation Contractor 01/02/2012

Contract ID: 202040 Page 14 of 66

SPECIAL NOTES FOR GUARDRAIL FE06 061 0011 005-006

I. DESCRIPTION

Except as specified herein, perform all work in accordance with the Department's 2019 Standard and Supplemental Specifications and Standard and Sepia Drawings, current editions. Article references are to the Standard Specifications.

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

- (1) Site and shoulder Preparation; (2) Furnish and install Guardrail, End Treatments, and Delineators for Guardrail; (3) Furnish and install Cribbing and DGA backfill;
- (4) Maintain and Control Traffic; and (5) all other work specified as part of this contract.

II. MATERIALS

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

- A Maintain and Control Traffic. See Traffic Control Plan.
- **B. Guardrail.** Furnish guardrail, hardware (nuts, bolts, and washers), and end treatments in accordance with Section 814 and the Standard and Sepia Drawings. Furnish steel posts only, no alternates.
- **C. Cribbing.** Furnish Steel "W" Beam Guardrail elements, new or used, for wall cribbing. Use only structurally sound, rust free, un-spliced, straight elements. The Engineer will use visual inspection to determine acceptability.
- **D. Delineators for Guardrail.** Furnish Delineators for Guardrail according to the Sepia Drawing.
- **E. Geotextile Fabric.** Furnish Geotextile Fabric Type 1V according to Section 843.
- **F. DGA.** Furnish Dense Graded Aggregate (DGA) according to Section 305. Do not use Crushed Stone Base in lieu of DGA.
- **G. Erosion Control.** See Special Note for Erosion Control.

Contract ID: 202040 Page 15 of 66

Guardrail FE06 061 0011 005-006 Page 2 of 4

III. CONSTRUCTION METHODS

- A. Maintain and Control Traffic. See Traffic Control Plan.
- **B. Site Preparation.** Be responsible for all site preparation, including but not limited to, clearing and grubbing, excavation, embankment, and removal of all obstructions or any other items; regrading, reshaping, adding and compacting of suitable materials on the existing shoulders to provide proper template or foundation for the guardrail; temporary pollution and erosion control; disposal, of excess and waste materials and debris; and final dressing, cleanup, and seeding and protection. Perform all site preparation as approved or directed by the engineer.
- **C. Guardrail.** Except as specified herein, install guardrail system according to Section 719 and the Standard Drawings. Consider locations listed on the summary and/or shown on the drawings are approximate only. The Engineer will determine the exact termini for individual guardrail installations at the time of construction. Unless directed otherwise by the Engineer, provide a minimum two (2) foot shoulder width. Construct radii at entrances and road intersections as directed by the Engineer.

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

When installing guardrail, do not leave blunt ends exposed where they would be hazardous to the public. When it is not practical to complete the construction of the guardrail and the permanent end treatments and terminal sections first, provide a temporary end by connecting at least 25 feet of rail to the last post, and by slightly flaring, and burying the end of the rail completely into the existing shoulder. If left overnight, place a drum with bridge panel in advance of the guardrail end and maintain during use.

- **D. Cribbing.** Crib the guardrail posts, place Type IV Geotextile Fabric, and backfill with DGA as shown on the detail sheet and/or as directed by the Engineer.
- **E. Delineators for Guardrail.** Install delineators for guardrail according to the Sepia Drawing.
- **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. Work around existing

Guardrail FE06 061 0011 005-006 Page 3 of 4

underground utilities. Be responsible for repairing all utility damage that occurs as a result of guardrail operations at no additional cost to the Department (see Utility Impact Statement).

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

IV. METHOD OF MEASUREMENT

- A. Maintain and Control Traffic. See Traffic Control Plan.
- **B. Site preparation.** Other than the bid items listed, the Department will not measure Site Preparation for separate payment but shall be incidental to Guardrail, End Treatments, and cribbing, as applicable.
- C. Guardrail, Steel W Beam Single Face. See Section 719.04.01.
- **D. End Treatments.** See Section 719.04.04.
- F. Delineators for Guardrail. See the Sepia Drawing.
- **G. Cribbing.** The Department will measure Cribbing in square feet of finished in-place area. The Department will not measure laps, cutoffs, excess, and waste.
- **H. Geotextile Fabric Type IV.** The Department will not measure Geotextile Fabric Type IV, but shall be incidental to backfill material.
- **I. Erosion Control.** See Special Note for Erosion Control.

Contract ID: 202040 Page 17 of 66

Guardrail FE06 061 0011 005-006 Page 4 of 4

V. BASIS OF PAYMENT

- A. Maintain and Control Traffic. See Traffic Control Plan.
- B. Guardrail, Steel W Beam Single Face. See Section 719.05.
- C. End Treatments. See Section 719.05.
- **D. Delineators for Guardrail.** See Sepia Drawing.
- **E. Cribbing.** Accept payment at the Contract unit price as full compensation for all materials, labor, equipment, and incidentals for the completed and accepted quantities.

SPECIAL NOTES FOR GUARDRAIL FE06 061 0011 0018-019

I. DESCRIPTION

Except as specified herein, perform all work in accordance with the Department's 2019 Standard and Supplemental Specifications and Standard and Sepia Drawings, current editions. Article references are to the Standard Specifications.

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

- (1) Site and shoulder Preparation; (2) Furnish and install Guardrail, Bridge Guardrail, End Treatments and Terminal Sections, and Delineators for Guardrail;
- (3) Furnish and install Cribbing and DGA backfill; (4) Maintain and Control Traffic; and (5) all other work specified as part of this contract.

II. MATERIALS

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

- A Maintain and Control Traffic. See Traffic Control Plan.
- **B.** Guardrail and Guardrail-Single Face A. Furnish guardrail, hardware (nuts, bolts, and washers), and end treatments and terminal sections in accordance with Section 814 and the Standard and Sepia Drawings. Furnish steel posts only, no alternates.
- C. Bridge Guardrail. Furnish Bridge Guardrail Case I according to the detail drawing.
- **D. Delineators for Guardrail.** Furnish Delineators for Guardrail according to the Sepia Drawing.
- **E. Geotextile Fabric.** Furnish Geotextile Fabric Type 1V according to Section 843.
- **F. DGA.** Furnish Dense Graded Aggregate (DGA) according to Section 305. Do not use Crushed Stone Base in lieu of DGA.
- **G. Erosion Control.** See Special Note for Erosion Control.

III. CONSTRUCTION METHODS

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

Contract ID: 202040 Page 19 of 66

Guardrail FE06 061 0011 018-019 Page 2 of 4

- **B. Site Preparation.** Be responsible for all site preparation, including but not limited to, clearing and grubbing, excavation, embankment, and removal of all obstructions or any other items; regrading, reshaping, adding and compacting of suitable materials on the existing shoulders to provide proper template or foundation for the guardrail; temporary pollution and erosion control; disposal, of excess and waste materials and debris; and final dressing, cleanup, and seeding and protection. Perform all site preparation as approved or directed by the engineer.
- **C. Guardrail System.** Except as specified herein, install the guardrail system according to Section 719 and the Standard Drawings. Consider locations listed on the summary and/or shown on the drawings are approximate only. The Engineer will determine the exact termini for individual guardrail installations at the time of construction. Unless directed otherwise by the Engineer, provide a minimum two (2) foot shoulder width. Construct radii at entrances and road intersections as directed by the Engineer.

Erect guardrail to the lines and grades shown on current Standard and Sepia 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.

Install Bridge Guardrail Case I according to the detail drawing

When installing guardrail, do not leave blunt ends exposed where they would be hazardous to the public. When it is not practical to complete the construction of the guardrail and the permanent end treatments and terminal sections first, provide a temporary end by connecting at least 25 feet of rail to the last post, and by slightly flaring, and burying the end of the rail completely into the existing shoulder. If left overnight, place a drum with bridge panel in advance of the guardrail end and maintain during use.

- **D. Delineators for Guardrail.** Install delineators for guardrail according to the Sepia Drawing.
- **E. Property Damage.** Be responsible for all damage to public and/or private property resulting from the work. Restore damaged roadway features and private property at no additional cost to the Department.
- **F. Coordination with Utility Companies.** Locate all underground, above ground and overhead utilities prior to beginning construction. Be responsible for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. Do not disturb existing overhead or underground utilities. Work around existing underground utilities. Be responsible for repairing all utility damage that occurs as a result of guardrail operations at no additional cost to the Department (see Utility Impact Statement).

Guardrail FE06 061 0011 018-019 Page 3 of 4

- **G. Right of Way Limits**. The Department has not established exact limits of the Right-of-Way. Limit work activities to obvious Right-of-Way, permanent or temporary easements, and work areas secured by the Department through consent and release of the adjacent property owners. Be responsible for all encroachments onto private lands.
- **H. Disposal of Waste.** Dispose of all removed concrete, debris, and other waste and debris off the Right-of-Way at sites obtained by the Contractor at no additional cost to the Department. See Special Note for Waste and Borrow.
- **I. Final Dressing, Clean Up, and Seeding and Protection.** Apply Class A Final Dressing to all disturbed areas, both on and off the Right-of-Way. Sow all disturbed earthen areas according to the Special Note for Erosion Control.
- **J. Erosion Control.** See Special Note for Erosion Control.

IV. METHOD OF MEASUREMENT

- A. Maintain and Control Traffic. See Traffic Control Plan.
- **B.** Site preparation. Other than the bid items listed, the Department will not measure Site Preparation for separate payment but shall be incidental to Guardrail and End Treatments, as applicable.
- C. Guardrail, Steel W Beam, Single Face. See Section 719.04.01.
- **D. Guardrail, Steel W Beam, Single Face A.** See Section 719.04.01.
- **E. Bridge Guardrail.** The Department will measure Bridge Guardrail Case I in Linear Feet installed. The Department will not measure laps, cutoffs, excess, and waste.
- F. End Treatments. See Section 719.04.04.
- **G. Guardrail Terminal Sections.** See Section 719.01.02.
- H. Delineators for Guardrail. See the Sepia Drawing.

Guardrail FE06 061 0011 018-019 Page 4 of 4

- **I. Geotextile Fabric Type IV.** The Department will not measure Geotextile Fabric Type IV, but shall be incidental to backfill material.
- **J. Erosion Control.** See Special Note for Erosion Control.

V. BASIS OF PAYMENT

- A. Maintain and Control Traffic. See Traffic Control Plan.
- B. Guardrail, Steel W Beam, Single Face. See Section 719.05.
- C. Guardrail, Steel W Beam, Single Face A. See Section 719.05.
- **D. End Treatments and Terminal Sections.** See Section 719.05.
- **E. Bridge Guardrail Case I.** Accept payment at the Contract unit price as full compensation for all materials, labor, equipment, and incidentals for the completed and accepted quantities.
- F. Delineators for Guardrail. See Sepia Drawing.

Contract ID: 202040 Page 22 of 66

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 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 of 9 feet. 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.

If the Engineer determines that work site conditions require all traffic be stopped while drilling operations are in progress, stop traffic for the length of time required to drill and set one rail. Allow all waiting traffic 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

Except as permitted by the Engineer, do not leave lane closures in place during non-working hours. If permitted, the Engineer may require additional signing and/or traffic control devices.

CHANGEABLE MESSAGE SIGNS

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

Contract ID: 202040 Page 24 of 66

Traffic Control Plan Page 2 of 3

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

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

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 or asphalt mixture for leveling and wedging 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.

Greater than 4" – Protect drop-offs greater than 4 inches within 10 feet of traffic by placing drums, vertical panels, or barricades every 25 feet. The Engineer will not allow the use of cones in lieu of drums, vertical panels, or barricades for drop-offs greater than 4". Place Type III Barricades directly in front of the drop-off facing on coming traffic in both directions of travel. Provide warning signs as shown on the Standard Drawings or as directed by the Engineer.

Contract ID: 202040 Page 25 of 66

Traffic Control Plan Page 3 of 3

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

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

Contract ID: 202040 Page 27 of 66

Erosion Control FD52 064 0003 006-012 FD52 064 0032 000-001 Page 2 of 3

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.

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.

Erosion Control FD52 064 0003 006-012 FD52 064 0032 000-001 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 "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 Site Preparation.

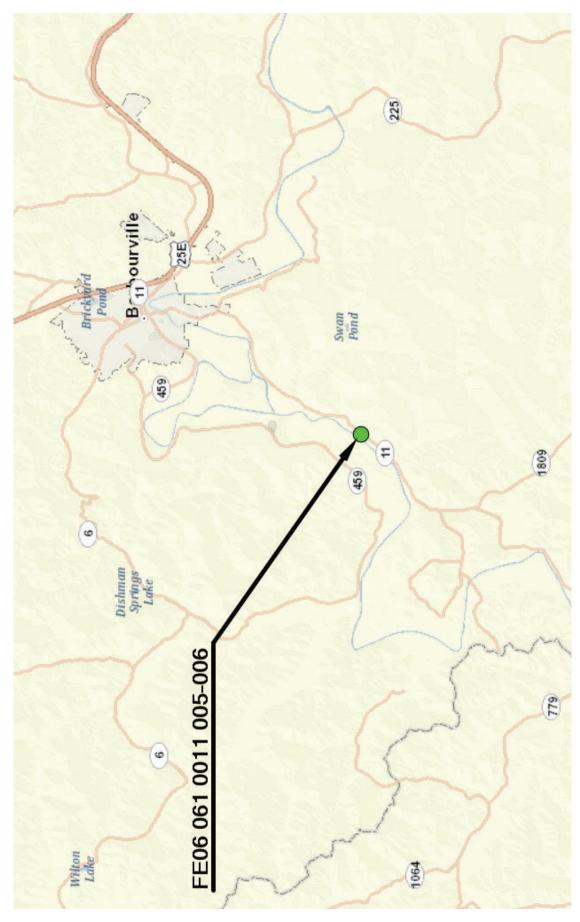
V. Basis of Payment

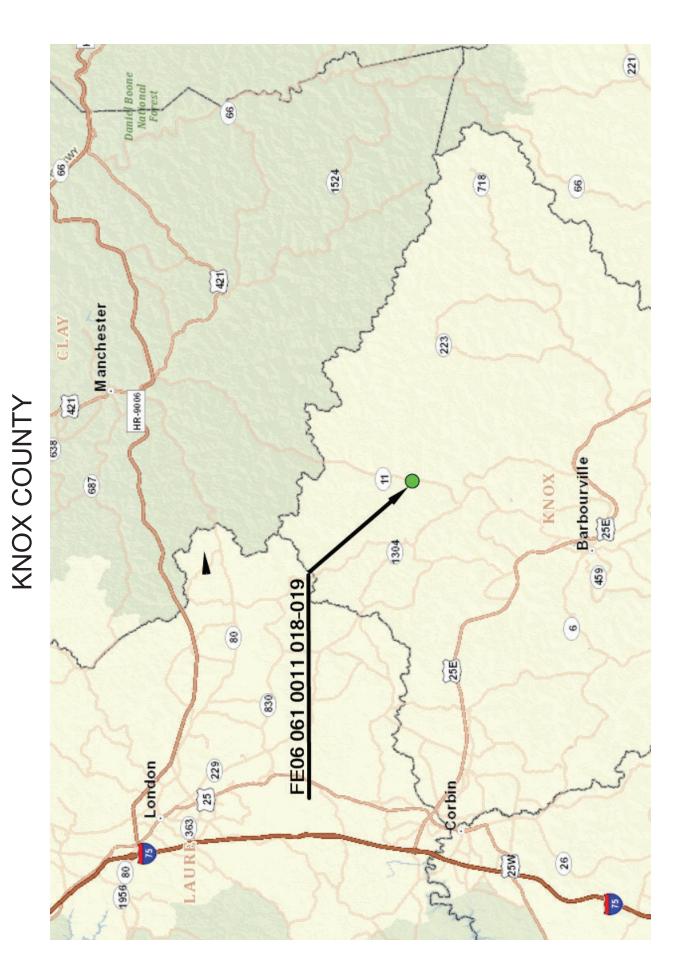
Erosion Control Blanket. If not listed as a bid item, but required by the BMP, the Department will pay for Erosion Control Blankets as Extra Work according to Sections 104.03 and 109.04.

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.







Contract ID: 202040 Page 31 of 66

MATERIAL SUMMARY

CONTRACT ID: 202040	061GR20P007-FE06	MP06100112001
CONTRACT ID: 202040	061GR20P007-FE06	MP06100112001

BARBOURVILLE-MANCHESER ROAD (KY 11) FROM 1,180 FEET NORTH OF VAUGHN HILL LANE EXTENDING NORTH TO 100 FEET NORTH OF GENTRY JONES ROAD GUARDRAIL, A DISTANCE OF .2 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	02562	TEMPORARY SIGNS	200.00	SQFT
0010		MAINTAIN & CONTROL TRAFFIC - (FE06 061 0011 018-019)	1.00	LS
0015	02367	GUARDRAIL END TREATMENT TYPE 1	1.00	EACH
0020	02360	GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH
0025	02351	GUARDRAIL-STEEL W BEAM-S FACE	1,425.00	LF
0030	02355	GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF
0035	08805	GUARDRAIL-BRIDGE CASE I	50.00	LF
0040		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	31.00	EACH
0045	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 202040 061GR20P007-FE06 MP06100112002

SOUTH KENTUCKY 11 HIGHWAY (KY 11) FROM 765 FEETNORTH OF PRICHARD BRANCH ROAD EXTENDING NORTH TO 590 FEETNORTH OF RUFUS MILLS ROAD GUARDRAIL, A DISTANCE OF .45 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL		
0050	01982	WHITE	50.00	EACH
0055	02351	GUARDRAIL-STEEL W BEAM-S FACE	2,387.50	LF
0060	02367	GUARDRAIL END TREATMENT TYPE 1	2.00	EACH
0065	02562	TEMPORARY SIGNS	200.00	SQFT
0070		MAINTAIN & CONTROL TRAFFIC - (FE06 061 0011 005-006)	1.00	LS
0075	00001	DGA BASE	750.00	TON
0800	03236	CRIBBING	4,775.00	SQFT
0085	02569	DEMOBILIZATION	1.00	LS
0090	02399	EXTRA LENGTH GUARDRAIL POST - (9 FOOT LENGTH)	200.00	EACH

GUARDRAIL SUMMARY FE06 061 0011 005-006

		=	INSTALL GUARDRAIL	RDRAIL				BRII	BRIDGE GUARDRAIL	
LANE	END TREAT.	BEGIN MILEPOINT	END MILEPOINT	END TREAT.	LIN FEET	REMARKS	BRIDGE MILEPOINT	CASE I (LF)	GUARDRAIL SINGLE FACE A	REMARKS
Left	Type 1	5.220	5.670	Type 1	2387.5					
	_	TOTALS			2,387.5					
Type 1		2.000								
Type 2A		0.000								
Type 3		0.000								
Type 4A		0.000								

0.000

Term Section No. 1

Type 7

GUARDRAIL SUMMARY FE06 061 0011 018-019

	KS			
BRIDGE GUARDRAIL	REMARKS			
	GUARDRAIL SINGLE FACE A	50.0	50.0	100.0
	CASE I (LF)	25.000	25.000	20.0
	BRIDGE MILEPOINT	18.803	18.803	
	LIN FEET REMARKS			
	LIN FEET	1,037.5	387.5	1,425.0
INSTALL GUARDRAIL	END TREAT.	Radius & Terminal Section No. 1	Radius & Terminal Section No. 1	
	BEGIN END MILEPOINT	18.880	18.861	
	BEGIN MILEPOINT	18.685	18.789	TOTALS
	END TREAT.	Type 1	Radius & Terminal Section No. 1	Ĭ
	LANE	Right	Left	

 Type 1
 1

 Type 2A
 0

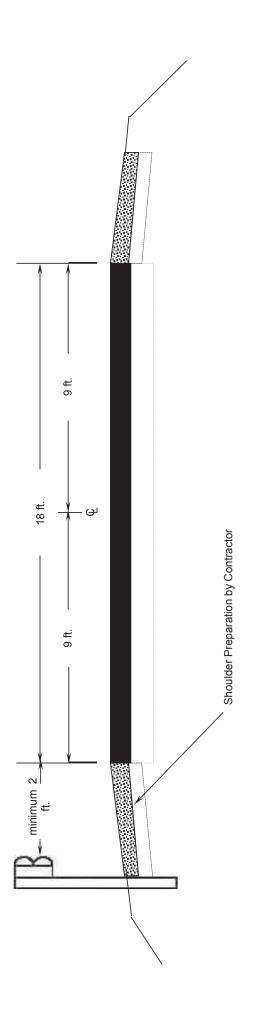
 Type 3
 0

 Type 4A
 0

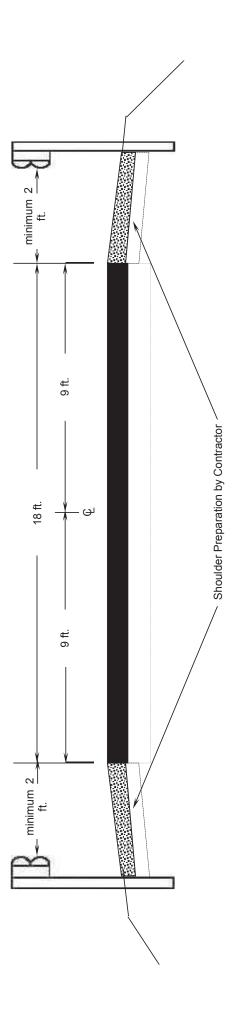
 Type 7
 0

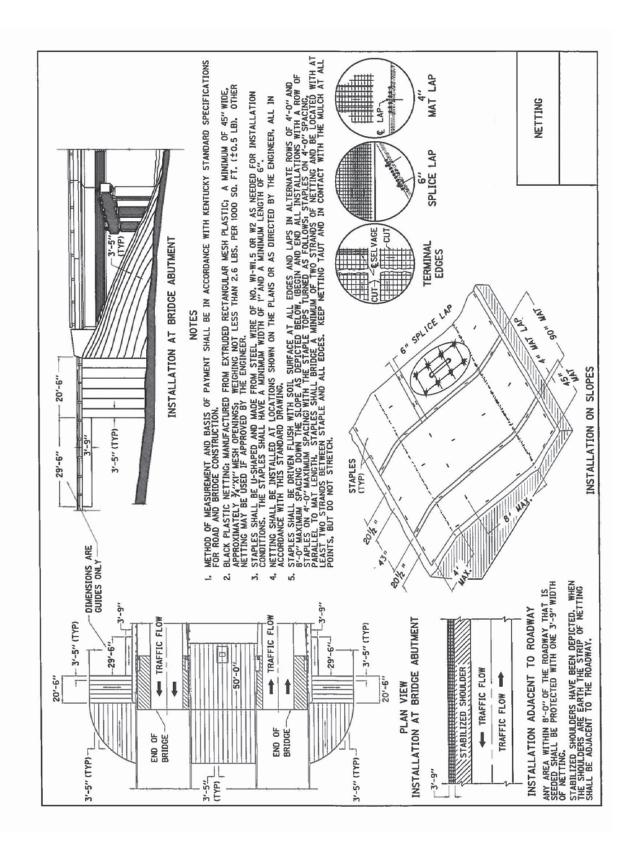
 Term Section No. 1
 3

TYPICAL SECTION FE06 061 0011 005-006

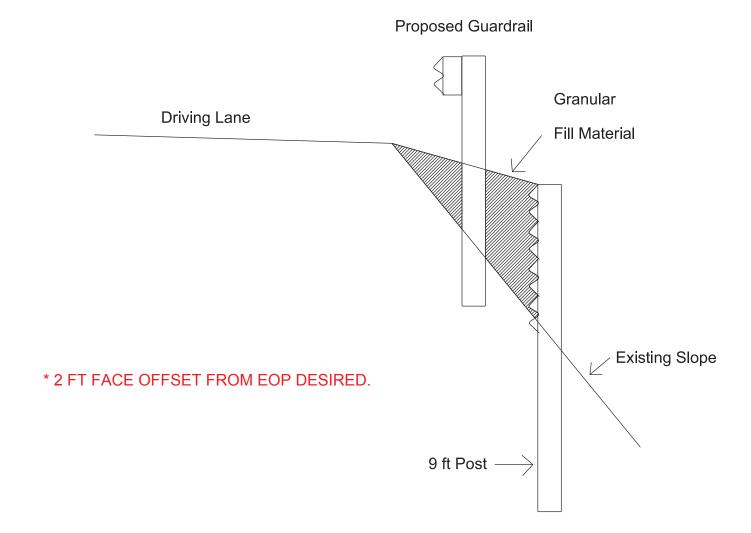


TYPICAL SECTION FE06 061 0011 018-019

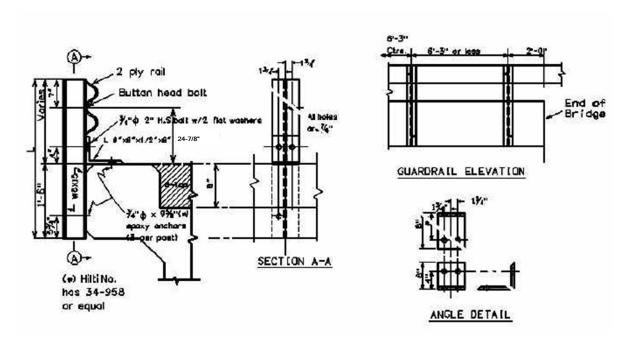




Cribbing Detail



GUARDRAIL ON BRIDGE, CASE I BLACKTOP FLUSH WITH CURB OR ABOVE



Bridge MP	D =	W=	L=	No. Posts	LF of 2 PLY Rail

L = Length of Guardrail Post

D = Curb Height

W = Width of Bridge Curb

WARRANTS: When guardrail can be bolted to the back of the bridge curb, and where the bridge surface is flush with the curb top, and where the clear distance between the faces of the guardrail is less than 20 Feet, remove existing concrete and/or guardrail bridge rail and use Case I Bridge Guardrail.

NOTES:

- 1. If asphalt paving is included in the Contract and the dimension from the top of the existing riding surface to the top of the curb is 2 inches or less, pave the surface flush to the top of the curb, and use Case I Bridge Guardrail.
- 2. Do not use Case I Bridge Guardrail if existing pavement is not flush with the pavement and asphalt pavement is not included in the Contract or if the dimension from top of the existing riding surface to the top of the curb is greater than 2 inches.

PART II SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

Any reference in the plans or proposal to previous editions of the Standard Specifications for Road and Bridge Construction and Standard Drawings are superseded by Standard Specifications for Road and Bridge Construction, Edition of 2019 and Standard Drawings, Edition of 2016.

KNOX COUNTY 061GR20P007-FE06 Contract ID: 202040 Page 41 of 66

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:

 $\underline{http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx}$

2016 KENTUCKY STANDARD DRAWINGS SUPPLEMENTS TO STANDARD SPECIFICATIONS TABLE OF CONTENTS

ROADWAY	
~ BARRIERS ~	
GUARDRAIL AND BRIDGE END DRAINAGE	
GUARDRAIL AND BRIDGE END DRAINAGE FOR SINGLE STRUCTURES	RBB-001-08
GUARDRAIL AND BRIDGE END DRAINAGE FOR TWIN STRUCTURES	RBB-002-09
LAYOUT OF GUARDRAIL AT TWIN STRUCTURES (DEPRESSED MEDIAN)	
GUARDRAIL TRANSITION FROM NORMAL SHOULDER TO NARROW BRIDGE	RBB-010-05
GUARDRAIL CONNECTORS TO BRIDGE ENDS	
GUARDRAIL CONNECTOR TO BRIDGE END TYPE A COMPONENTS	RBC-002-03
GUARDRAIL CONNECTOR TO BRIDGE END TYPE A AND A-1 COMPONENTS	
GUARDRAIL CONNECTOR TO BRIDGE END TYPE D	
GUARDRAIL CONNECTOR TO BRIDGE END TYPE A	
GUARDRAIL CONNECTOR TO BRIDGE END TYPE A-1	
GUARDRAIL CONNECTOR TO CONCRETE MEDIAN BARRIER END	
CONNECTION DETAILS OF CRASH CUSHION TYPE VI TO DOUBLE FACE GUARDRAIL	RBC-110-11
ENERGY ABSORPTION DEVICES	
CRASH CUSHION TYPE VII CLASS B AND C (ONE & TWO DIRECTION)	
CRASH CUSHION TYPE VI (ONE & TWO DIRECTION)	
CONCRETE MEDIAN BARRIER ENDCONCRETE MEDIAN BARRIER END FOR CRASH CUSHION TYPE IX	
CONCRETE MEDIAN BARRIER END FOR CRASH CUSHION TIPE IX	KDE-U/U-U0
ENERGY ABSORPTION DEVICES (CONTINUED)	
CRASH CUSHION TYPE VI-BT	RBE-100-10
CRASH CUSHION TYPE IX	RBE-200-06
CRASH CUSHION TYPE IX-A	RBE-205-06
TYPICAL BARRIER INSTALLATIONS	
TYPICAL GUARDRAIL INSTALLATIONS	DBI 001 11
TYPICAL GUARDRAIL INSTALLATIONSTYPICAL GUARDRAIL INSTALLATIONS	
TYPICAL INSTALLATION FOR GUARDRAIL END TREATMENT TYPE 2A	
INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1	
GUARDRAIL INSTALLATION AT BRIDGE COLUMNS	
GUARDRAIL INSTALLATION AT SIGN SUPPORTS	
CRASH CUSHION TYPE IX INSTALLATION AT MEDIAN PIERS (DEPRESSED MEDIAN)	RBI-007-09
CONCRETE MEDIAN BARRIERS	
CONCRETE MEDIAN BARRIER FIXED-FORM OR SLIP-FORM (PERMANENT)	
CONCRETE MEDIAN BARRIER PRECAST (PERMANENT - NEW PAVEMENT)	
CONCRETE MEDIAN BARRIER PRECAST (PERMANENT – EXISTING PAVEMENT)	
CONCRETE MEDIAN BARRIER SYMMETRICAL & ASYMMETRICAL SEPARATE AND TR DETAILS	
DELINEATORS FOR CONCRETE BARRIERS	
CONCRETE MEDIAN BARRIER FIXED-FORM OR SLIP-FORM (PERMANENT) (50" TALL V	
CONCRETE MEDIAN BARRIER FIZED-FORM OR SLIF-FORM (FERMANENT) (30 TALL V	,
CONCRETE MEDIAN BARRIER PRECAST (PERMANENT) (50" TALL WALL)	
(======	

CONCRETE MEDIAN BARRIER SYMMETRICAL & ASYMMETRICAL SEPARATE AND TRA	ANSITION
DETAILS (50" TALL WALL)	RBM-060-01
CONCRETE BARRIER WALL TYPE 9T (TEMPORARY)	
BOX BEAM STIFFENING OF TEMPORARY CONCRETE BARRIER	
CURB TO BARRIER WALL TRANSITION	RBM-130-05
GUARDRAIL HARDWARE	
STEEL BEAM GUARDRAIL ("W"-BEAM)	RBR-001-12
GUARDRAIL COMPONENTS	RBR-005-11
GUARDRAIL TERMINAL SECTIONS	RBR-010-06
STEEL GUARDRAIL POSTS	RBR-015-05
TIMBER GUARDRAIL POSTS	
GUARDRAIL END TREATMENT TYPE 1	RBR-020-06
GUARDRAIL END TREATMENT TYPE 2A	RBR-025-05
GUARDRAIL END TREATMENT TYPE 3	RBR-030-05
GUARDRAIL END TREATMENT TYPE 3 PIPE DRAINAGE DETAIL	RBR-031-01
GUARDRAIL END TREATMENT TYPE 3 ALTERNATE ANCHOR	RBR-032
GUARDRAIL END TREATMENT TYPE 4A	RBR-035-11
GUARDRAIL END TREATMENT TYPE 7	RBR-050-07
GUARDRAIL END TREATMENT TYPE 7 ALTERNATE ANCHOR	RBR-051
DELINEATORS FOR GUARDRAIL	
DELINEATORS AT NARROW SHOULDER BRIDGES	
STEEL BEAM GUARDRAIL (THRIE BEAM)	
~ DRAINAGE ~	
BOX INLETS AND OUTLETS	
BOX INLETS AND OUTLETS DROP BOXES	
BOX INLETS AND OUTLETS <u>DROP BOXES</u> DROP BOX INLET TYPE 1	RDB-001-12
<u>DROP BOXES</u>	
DROP BOXES DROP BOX INLET TYPE 1	RDB-002-12
DROP BOX INLET TYPE 1	RDB-002-12 RDB-003-08
DROP BOXES DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3	RDB-002-12 RDB-003-08 RDB-004-10
DROP BOXES DROP BOX INLET TYPE 1	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09
DROP BOXES DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08
DROP BOXES DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03
DROP BOXES DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-008-04
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-008-04 RDB-010-07
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-008-04 RDB-011-07 RDB-011-08
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-008-04 RDB-011-07 RDB-011-08 RDB-012-10
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 AND TYPE 16 (FRAME & GRATE DETAILS)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-013-07 RDB-014-06
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 AND TYPE 16 (FRAME & GRATE DETAILS) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-013-07 RDB-014-06 RDB-015-04
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 AND TYPE 16 (FRAME & GRATE DETAILS) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-011-08 RDB-013-07 RDB-013-07 RDB-014-06 RDB-015-04 RDB-016-03
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 AND TYPE 16 (FRAME & GRATE DETAILS) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-014-06 RDB-015-04 RDB-016-03 RDB-017-03
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (ADDITIONAL & BAR CHART FOR LID) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION) DROP BOX INLET TYPE 13 (PIPE CHAMBER - SAG CONDITION) DROP BOX INLET TYPE 13 (PIPE CHAMBER - SAG CONDITION) DROP BOX INLET TYPE 13 (PIPE CHAMBER - SAG CONDITION)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-014-06 RDB-015-04 RDB-016-03 RDB-017-03 RDB-018-04
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION) DROP BOX INLET TYPE 13 (PIPE CHAMBER - SAG CONDITION) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - RISER) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - CHAMBER)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-014-06 RDB-015-04 RDB-015-04 RDB-017-03 RDB-018-04 RDB-018-04 RDB-019-04
DROP BOXES DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 6A-6B-5C-5D-5E AND 5F. DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F. DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION) DROP BOX INLET TYPE 13 (PIPE CHAMBER - SAG CONDITION) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - RISER) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - CHAMBER) DROP BOX INLET TYPE 14 & 15	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-014-06 RDB-015-04 RDB-015-04 RDB-016-03 RDB-017-03 RDB-018-04 RDB-019-04 RDB-019-04 RDB-019-04
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F. DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F. DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A. DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID). DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION) DROP BOX INLET TYPE 13 (PIPE CHAMBER - SAG CONDITION) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - RISER). DROP BOX INLET TYPE 14 & 15 DROP BOX INLET TYPE 14 & 15 DROP BOX INLET TYPE 16 (DETAIL SHEET).	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-014-06 RDB-015-04 RDB-016-03 RDB-017-03 RDB-018-04 RDB-019-04 RDB-019-04 RDB-020-05 RDB-030-04
DROP BOXES DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F. DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - RISER) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - CHAMBER) DROP BOX INLET TYPE 14 & 15 DROP BOX INLET TYPE 16 (DETAIL SHEET) DROP BOX INLET TYPE 16 (DETAIL SHEET) DROP BOX INLET TYPE 16 (DETAIL SHEET)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-011-08 RDB-013-07 RDB-014-06 RDB-015-04 RDB-016-03 RDB-017-03 RDB-018-04 RDB-019-04 RDB-019-04 RDB-030-04 RDB-031-04
DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F. DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F. DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS). DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A. DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - RISER). DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - CHAMBER) DROP BOX INLET TYPE 14 & 15 DROP BOX INLET TYPE 16 (DETAIL SHEET) DROP BOX INLET TYPE 16 (STEEL SHEET) DROP BOX INLET TYPE 16 (STEEL SHEET) DROP BOX INLET TYPE 16 (STEEL SHEET)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-011-08 RDB-013-07 RDB-014-06 RDB-015-04 RDB-015-04 RDB-016-03 RDB-017-03 RDB-019-04 RDB-019-04 RDB-030-04 RDB-031-04 RDB-031-04 RDB-031-04 RDB-031-04
DROP BOXES DROP BOX INLET TYPE 1 DROP BOX INLET TYPE 2 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 3 DROP BOX INLET TYPE 4 DROP BOX INLET TYPE 5A-5B-5C-5D-5E AND 5F. DROP BOX INLET TYPE 6A-6B-6C-6D-6E AND 6F DROP BOX INLET TYPE 7 (LAYOUT & STEEL PATTERN) DROP BOX INLET TYPE 7 (DIMENSION & STEEL CHARTS) DROP BOX INLET TYPE 10 DROP BOX INLET TYPE 11 DROP BOX INLET TYPE 12 OR 12A DROP BOX INLET TYPE 13 (DETAIL SHEET) DROP BOX INLET TYPE 13 (DETAIL & BAR CHART FOR LID) DROP BOX INLET TYPE 13 (PIPE CHAMBER - GRADE CONDITION) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - RISER) DROP BOX INLET TYPE 13 (ADDITIONAL STEEL - CHAMBER) DROP BOX INLET TYPE 14 & 15 DROP BOX INLET TYPE 16 (DETAIL SHEET) DROP BOX INLET TYPE 16 (DETAIL SHEET) DROP BOX INLET TYPE 16 (DETAIL SHEET)	RDB-002-12 RDB-003-08 RDB-004-10 RDB-005-09 RDB-006-08 RDB-007-03 RDB-010-07 RDB-011-08 RDB-012-10 RDB-013-07 RDB-015-04 RDB-015-04 RDB-016-03 RDB-017-03 RDB-018-04 RDB-019-04 RDB-030-04 RDB-031-04 RDB-031-04 RDB-031-04 RDB-031-04 RDB-031-04 RDB-033-03

SLOPED BOXES

SLOPED BOX OUTLET TYPE 1	
GRATES FOR SLOPED BOX OUTLET TYPE 1	
SLOPED AND FLARED BOX INLET-OUTLET 18"-24"-30"-36" ALL SKEWS	RDB-105-06
GRATES FOR SLOPED AND FLARED BOX INLET-OUTLET	RDB-106-05
SLOPED BOX INLET OR OUTLET TYPE 1	RDB-110-08
SLOPED BOX INLET OR OUTLET TYPE 2	
METAL END SECTION TYPE 1 & 2 (PARALLEL STRUCTURES)	RDB-150-02
METAL END SECTION TYPE 3 & 4 (CROSS STRUCTURES)	RDB-155-02
DIMENSIONS FOR METAL END SECTIONS	RDB-160-02
<u>CURB BOXES</u>	
CONCRETE MEDIAN BARRIER BOX INLET (CAST-IN-PLACE)	RDB-230-09
CONCRETE MEDIAN BARRIER BOX INLET (SLIP-FORM)	RDB-231-11
CONCRETE MEDIAN BARRIER BOX INLET (50" TALL WALL CAST-IN-PLACE)	
CONCRETE MEDIAN BARRIER BOX INLET (50" TALL WALL SLIP-FORM)	
CURB BOX INLET TYPE A (DETAIL DRAWING)	
CURB BOX INLET TYPE A (STEEL DRAWING)	
CURB BOX INLET TYPE A (TOP PHASE TABLE)	
CURB BOX INLET TYPE A (DETAIL & BAR CHART FOR 8" LID)	
CURB BOX INLET TYPE B (DETAIL DRAWING)	
CURB BOX INLET TYPE B (STEEL DRAWING)	
CURB BOX INLET TYPE B (TOP PHASE TABLE)	
CURB BOX INLET TYPE B (DETAIL & BAR CHART FOR 8" LID)	
CURB BOX INLET TYPE F	
BOX INLET RISER	
BOX INLET PIPE CHAMBER	
BOX INLET PIPE CHAMBER (ADDITIONAL STEEL)	
DOTALEDITALE CHARABER (FEBRUARE)	RDD 120 05
PAVED DITCHES ELLIME INLETS AND CHANNEL LININGS	
PAVED DITCHES, FLUME INLETS AND CHANNEL LININGS	DDD 001 06
PAVED DITCH TYPE 1	
PAVED DITCH TYPE 1PAVED DITCH TYPE 2	RDD-002-07
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1	RDD-002-07 RDD-020-07
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2	RDD-002-07 RDD-020-07 RDD-021-07
PAVED DITCH TYPE 1	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENT
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENT RDI-001-10 RDI-002-05
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENTRDI-001-10RDI-002-05RDI-003-05
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENTRDI-001-10RDI-002-05RDI-003-05RDI-004-04
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07RDD-020-07RDD-021-07RDD-030-08RDD-040-05 MENTRDI-001-10RDI-002-05RDI-003-05RDI-004-04RDI-005-04
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENT RDI-001-10 RDI-002-05 RDI-003-05 RDI-004-04 RDI-005-04 RDI-006-04
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENT RDI-001-10 RDI-002-05 RDI-003-05 RDI-004-04 RDI-005-04 RDI-006-04 RDI-007-04
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07RDD-020-07RDD-021-07RDD-030-08RDD-040-05 MENTRDI-001-10RDI-002-05RDI-003-05RDI-004-04RDI-005-04RDI-006-04RDI-007-04RDI-008-04
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07RDD-020-07RDD-021-07RDD-030-08RDD-040-05 MENTRDI-001-10RDI-002-05RDI-003-05RDI-004-04RDI-006-04RDI-007-04RDI-008-04RDI-008-04RDI-011-03
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENT RDI-001-10 RDI-002-05 RDI-003-05 RDI-004-04 RDI-005-04 RDI-006-04 RDI-006-04 RDI-008-04 RDI-011-03 RDI-011-03
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07 RDD-020-07 RDD-021-07 RDD-030-08 RDD-040-05 MENT RDI-001-10 RDI-002-05 RDI-003-05 RDI-004-04 RDI-005-04 RDI-006-04 RDI-008-04 RDI-008-04 RDI-011-03 RDI-011-03 RDI-012-03 RDI-016-03
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS PIPE BEDDING FOR CULVERTS, ENTRANCE AND STORM SEWER PIPE.	RDD-002-07RDD-021-07RDD-030-08RDD-040-05RDI-001-10RDI-002-05RDI-003-05RDI-004-04RDI-005-04RDI-006-04RDI-006-04RDI-008-04RDI-011-03RDI-012-03RDI-012-03RDI-016-03
PAVED DITCH TYPE 1 PAVED DITCH TYPE 2 FLUME INLET TYPE 1 FLUME INLET TYPE 1 FLUME INLET TYPE 2 CHANNEL LINING CLASS IA (MATTRESS UNITS) CHANNEL LINING CLASS II AND III PIPE AND BOX CULVERT AND HEADWALLS FOR ALL PIPE AND BOX CULVERT HEADWALLS (RDH SERIES) SEE HEADWALL SUPPLE TYPICAL DRAINAGE INSTALLATIONS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS CULVERT & STORM SEWER PIPE TYPES & COVER HEIGHTS	RDD-002-07RDD-021-07RDD-030-08RDD-040-05RDI-001-10RDI-002-05RDI-003-05RDI-004-04RDI-005-04RDI-006-04RDI-006-04RDI-008-04RDI-011-03RDI-012-03RDI-016-03

PIPE BEDDING, TRENCH CONDITION REINFORCED CONC. PIPE	RDI-026-01
COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PLATE PIPE	RDI-035-02
EROSION CONTROL BLANKET SLOPE INSTALLATION	RDI-040-01
EROSION CONTROL BLANKET CHANNEL INSTALLATION	RDI-041-01
TYPICAL MEDIAN DRAIN INSTALLATIONS	
FILL HEIGHTS FOR PRECAST REINFORCED CONCRETE BOX CULVERTS	RDI-100-05
BEDDING FOR PRECAST BOX CULVERTS, SEWERS, STORM DRAINS AND THEIR CO	OMBINATIONS
	RDI-120-04
SLOTTED DRAIN PIPE (DETAIL SHEET)	RDI-200-05
<u>MANHOLES</u>	
MANHOLE TYPE A	RDM-001-07
MANHOLE TYPE B	
MANHOLE TYPE C (CHAMBER LAYOUT)	
MANHOLE TYPE C (TOWER APPLICATIONS)	RDM-011-05
MANHOLE TYPE C (STEEL PATTERN)	RDM-012-03
MANHOLE TYPE C (TABLE OF QUANTITIES)	
TRAPPED MANHOLE	RDM-050-07
MANHOLE STEPS	RDM-055
FRAME AND LID TYPE 1	RDM-100-03
FRAME AND LID TYPE 2	RDM-105-03
PERFORATED PIPE	
PERFORATED PIPE TYPES AND COVER HEIGHTS	RDP-001-06
PERFORATED PIPE FOR SUBGRADE DRAINAGE ON TWO-LANE (CLASS 2) AND MU	LTI-LANE ROADS
PERFORATED PIPE UNDERDRAINS (LONGITUDINAL AND TRANSVERSE)	
PERFORATED PIPE DETAILS (SOLID ROCK)	RDP-007-04
PERFORATED PIPE HEADWALLS	RDP-010-09
MISCELLANEOUS DRAINAGE	PPV 004 04
JUNCTION BOX	
JUNCTION BOX (DIMENSIONS AND QUANTITIES)	
JUNCTION BOX TYPE B	
SPRING BOX INLET TYPE "A"	
SPRING BOX INLET TYPE "B"	
TRAP FOR BOX INLETS	
SUBGRADE DRAINAGE - CONCRETE PAVEMENT	
INTERMEDIATE AND END ANCHORS FOR CIRCULAR PIPE	
INTERMEDIATE AND END ANCHORS FOR NON-CIRCULAR PIPE	
SIDE TAPERED INLETS – 30" TO 60" DIA. ALL SLOPES - ALL SKEWS	
SECURITY DEVICES FOR FRAMES, GRATES AND LIDS	
TEMPORARY SILT FENCE	
TEMPORARY SILT FENCE WITH WOVEN WIRE FENCE FABRIC	
SILT TRAP - TYPE A	
SILT TRAP - TYPE B	
SILT TRAP - TYPE C	
CHANNEL HABITAT IMPROVEMENT STRUCTURES (DUMPED STONE)	
CHANNEL HABITAT IMPROVEMENT STRUCTURES (GABIONS)	
PRECAST BOX CULVERT EXTENSION	RDX-300-04
EENICES AND SATES	
~ FENCES AND GATES ~	
CHAIN LINK FENCE	DEC 004 00
CHAIN LINK FENCE 4' TO 6' HIGH	RFC-001-08

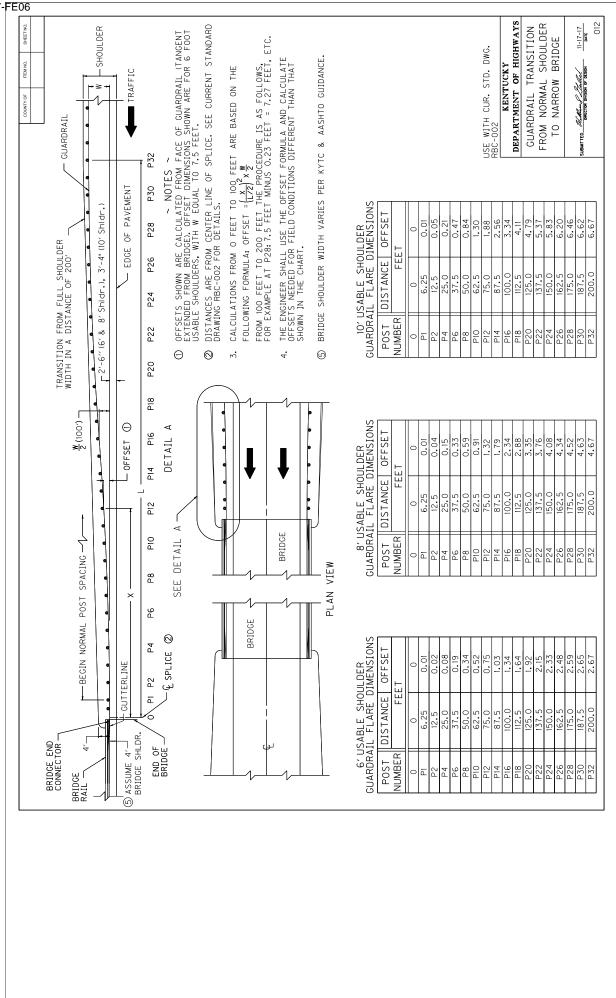
CHAIN LINK FENCE 8' TO 12' HIGH	RFC-002-05		
<u>GATES</u>			
WOVEN WIRE GATES	RFG-001-07		
4' TO 12' HIGH CHAIN LINK GATE	RFG-005-06		
WATER GATE TYPE 1			
WATER GATE TYPE 3	RFG-011-06		
WOVEN WIRE FENCE			
FENCING DETAILS			
WOVEN WIRE FENCE TYPE 1			
WOVEN WIRE FENCE TYPE 2	RFW-006-07		
~ GENERAL ~			
CURVE WIDENING AND SUPERELEVATION			
CURVE WIDENING AND SUPERELEVATION TRANSITIONS	RGS-001-07		
SUPERELEVATION FOR MULTILANE PAVEMENT	RGS-002-06		
MISCELLANEOUS STANDARDS			
MISCELLANEOUS STANDARDS			
RETAINING WALL GRAVITY TYPE NON-REINFORCED			
TEMPORARY BRIDGE OR PAVEMENT CROSSOVER			
RIGHT-OF-WAY MONUMENTS			
TYPICAL EMBANKMENT FOUNDATION BENCHES			
SETTLEMENT PLATFORM			
CONCRETE STEPS			
HANDRAIL TYPE A, A-1, A-2, A-3, A-4			
DETECTABLE WARNINGS			
GABION RETAINING WALLS			
BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAMFOOTING DETAILS FOR TYPE C BEAM			
TYPE D BREAKAWAY SIGN SUPPORT			
TREATMENT OF EMBANKMENTS AT END-BENTS			
TREATMENT OF EMBANKMENTS AT END-BENTS - DETAILS			
ONE POINT PROCTER FAMILY OF CURVES			
ONE FOINT FROCTER FAMILT OF CURVES	KGA-200-01		
~ PAVEMENT ~			
MEDIANS, CURBS, APPROACHES, ENTRANCES, ETC.			
PERMANENT U-TURN MEDIAN OPENING			
STANDARD BARRIER MEDIAN			
MOUNTABLE MEDIAN			
MOUNTABLE MEDIAN TYPE 6A			
MOUNTABLE MEDIAN TYPE 7A			
,			
APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT CONCRETE TERMINAL SECTION TYPE 1			
CONCRETE ISLAND CURB CONSTRUCTION DETAILS (RIGID & FLEXIBLE PAVEMENT)			
PRECAST VEHICLE STOP			
RUMBLE STRIPS TYPE 3			
CONCRETE ENTRANCE PAVEMENT AND SIDEWALK			
CONCRETE ENTRANCE PAVEMENT AND SIDEWALK			
SIDEWALK RAMPS			
SIDEWALK RAMP WITH HANDRAIL			

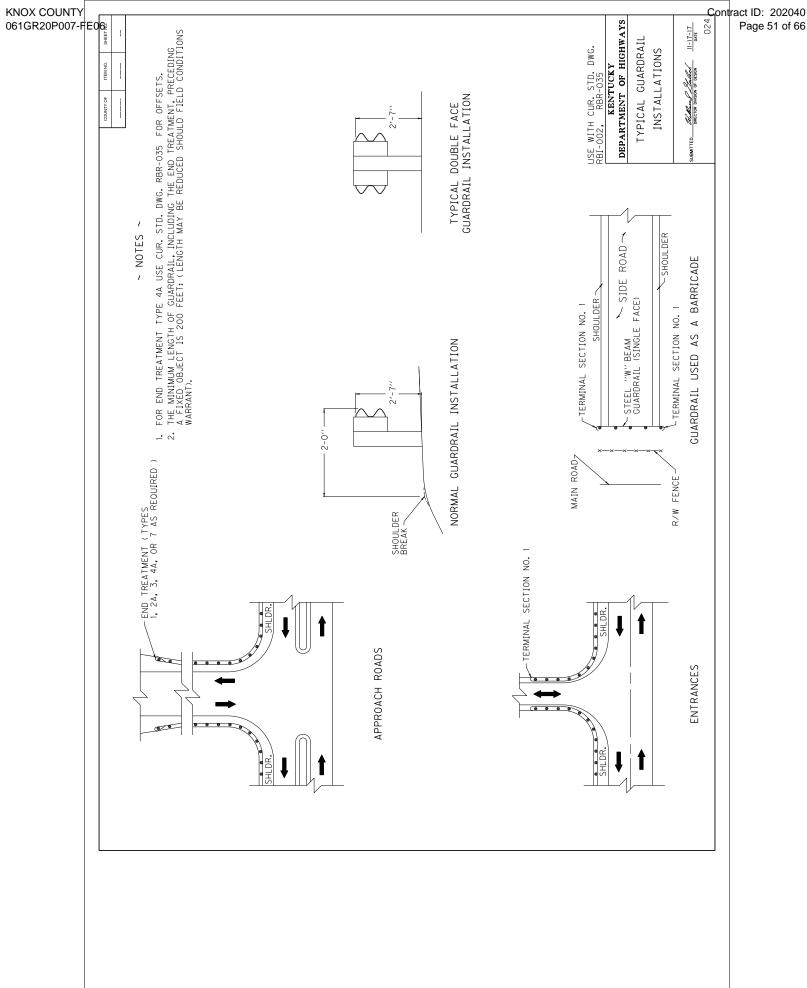
NON-REINFORCED CONCRETE PAVEMENT	
JOINTED PLAIN CONCRETE PAVEMENT FOR SHOULDERS AND MEDIANS	.RPN-001-07
PAVEMENT TRANSITIONS AND JOINT DETAILS FOR JOINTED PLAIN CONCRETE PAVEME	ENT AT
BRIDGE ENDS	
JOINTED PLAIN CONCRETE PAVEMENT	.RPN-015-05
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	.RPN-020-04
STANDARD REINFORCED CONCRETE PAVEMENT	
CONCRETE PAVEMENT JOINT DETAILS	. RPS-010-11
EXPANSION AND CONTRACTION JOINT - LOAD TRANSFER ASSEMBLIES	
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	. RPS-031-06
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	. RPS-032-06
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	. RPS-034-07
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	
CONCRETE PAVEMENT JOINTS - TYPES AND SPACING	
MISCELLANEOUS PAVING	
STATION MARKINGS - CONCRETE PAVEMENT	RPX-001-04
PREFORMED COMPRESSION JOINT SEAL FOR CONCRETE PAVEMENT	
HOT - POURED ELASTIC JOINT SEALS FOR CONCRETE PAVEMENT	
SILICONE RUBBER SEALS FOR CONCRETE PAVEMENT	
ACCESSIBLE PARKING SPACE DETAILS	
TRAFFIC	
~ PERMANENT ~	
RAISED PAVEMENT MARKERS	
PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS	TDM 100 03
PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS	
PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS	
PAVEMENT MARKER ARRANGEMENTS TWO-LANE, TWO-WAY ROADWAYS	
PAVEMENT MARKER ARRANGEMENT TWO-LANE TO FOUR-LANE TRANSITIONS	
PAVEMENT MARKER ARRANGEMENT TWO-LANE TO FOOK-LANE TRANSITIONS	
PAVEMENT MARKER ARRANGEMENT FOR PARALLEL DECELERATION LANE	
PAVEMENT MARKER ARRANGEMENT ON-RAMP WITH TAPERED ACCELERATION LANE.	
PAVEMENT MARKER ARRANGEMENT ON-RAMP WITH PARALLEL ACCELERATION LANE.	
PAVEMENT MARKER ARRANGEMENTS TWO-WAY LEFT, TURN LANE	
PAVEMENT MARKER ARRANGEMENT CHANNELIZED INTERSECTION	
CENTERLINE RUMBLE STRIPS	
CENTERLINE RUMBLE STRIP 4 INCH STRIPING	
CENTERLINE RUMBLE STRIP 6 INCH STRIPING	
SHOULDER AND EDGE LINE RUMBLE STRIP DETAILS	
FLEXIBLE DELINEATOR POST ARRANGEMENTS FOR HORIZONTAL CURVES	
FLEXIBLE DELINEATOR POST ARRANGEMENTS FOR INTERCHANGE RAMPS AND CROSS	
- LLINDE BELLINGTON TON THREE TON TON INTERCEMENTS MINISTRUMENTS OF THREE PROPERTY OF THE CHOOSE	TPM-171

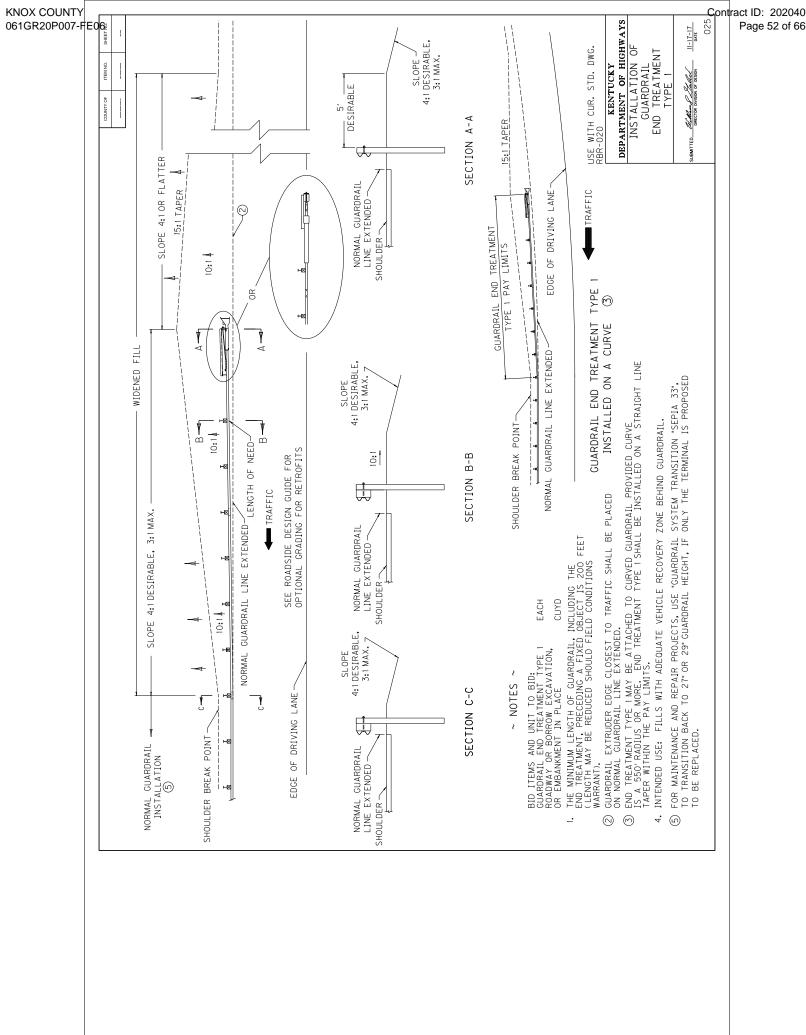
TRAFFIC CONTROL

LANE CLOSURE TWO-LANE HIGHWAY	TTC-100-04
LANE CLOSURE USING TRAFFIC SIGNALS	TTC-110-03
LANE CLOSURE MULTI-LANE HIGHWAY CASE I	TTC-115-03
LANE CLOSURE MULTI-LANE HIGHWAY CASE II	TTC-120-03
DOUBLE LANE CLOSURE	
SHOULDER CLOSURE	
MEDIAN CROSSOVER CASE I	
MEDIAN CROSSOVER CASE I	
MEDIAN CROSSOVER CASE II	
MEDIAN CROSSOVER CASE II	
ROAD CLOSURE WITH DIVERSION	
TEMPORARY PAVEMENT MARKER ARRANGEMENTS FOR CONSTRUCTION ZONES	
TEMPORARY PAVEMENT MARKER ARRANGEMENTS FOR LANE CLOSURES	
TEM OR ICT TAVEMENT MINISTER THREE TO BE EAST CLOSE CLOSE CONTROL OR LAND CLOSE CLOSE CLOSE CONTROL OR LAND CLOSE CLOSE CONTROL OR LAND CLOSE CL	
<u>DEVICES</u>	
DOUBLE FINES ZONES SIGNS	TTD 120 02
PAVEMENT CONDITION WARNING SIGNS	TTD 125 02
PAVEMENT CONDITION WARNING SIGNS	11D-125-02
STRIPING OPERATIONS	
MOBILE OPERATION FOR PAINT STRIPING CASE I	
MOBILE OPERATION FOR PAINT STRIPING CASE II	
MOBILE OPERATION FOR PAINT STRIPING CASE III	
MOBILE OPERATION FOR PAINT STRIPING CASE IV	
MOBILE OPERATION FOR DURABLE STRIPING CASE I	
MOBILE OPERATION FOR DURABLE STRIPING CASE II	
MOBILE OPERATION FOR DURABLE STRIPING CASE III	TTS-130-02
MOBILE OPERATION FOR DURABLE STRIPING CASE IV	TTS-135-02
BRIDGES	
BEARING DEVICES	
ELASTOMERIC BEARING PADS FOR PRESTRESSED BEAMS	BBP-001-12
BEARING DETAILS	
ELASTOMERIC BEARING PADS FOR BOX BEAMS	
EETISTOTALING BETTALLOST ON BOTT BETTALS	BB1 003 02
BOX BEAMS	
BOX BEAM GENERAL NOTES & REFERENCES	DDD 001 05
BOX BEAM BEARING DETAILS	
BOX BEAM MISCELLANEOUS DETAILS	
BOX BEAM TENSION ROD DETAILS	
BOX BEAM B12 & CB12 DETAILS	
BOX BEAM B17 & CB17 DETAILS	
BOX BEAM B21 & CB21 DETAILS	
BOX BEAM B27 & CB27 DETAILS	
BOX BEAM B33 & CB33 DETAILS	
BOX BEAM B42 DETAILS	
BOX BEAM CB42 DETAILS	
SLAB BRIDGE FOR 12" & 17" BEAMS	BDP-013-03
MISCELLANEOUS STANDARDS	
CONCRETE SLOPEWALLS FOR GRADE SEPARATION BRIDGES	
CONCRETE SLOPEWALLS FOR GRADE SEPARATION BRIDGES	BGX-005-09

STENCILS FOR STRUCTURES BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS GEOTECHNICAL LEGEND BRIDGE DRAINS LOW FLOW DIVERSION CURB APPROACH SLAB	BGX-009-04 BGX-012-02 BGX-015-03 BGX-016-01
RAILING SYSTEMS	
RAILING SYSTEM, TYPE II, GUARDRAIL TREATMENTRAIL SYSTEM TYPE 3	
JOINTS NEOPRENE EXPANSION DAMS AND ARMORED EDGES	BJE-001-13
CONCRETE PILES	
14" REINFORCED CONCRETE PILE	
STEEL PILES	
HP12 X 53 STEEL PILE	
HP14 X 73 STEEL PILE	
HP14 X 89 STEEL PILE	BPS-011-04







111/32''

0 0

0 0

3//16 ¹⁵/6″ R→

%"x 1/8" SPLICE BOLT SLOT

34"x 21/2" POST BOLT SLOT 6'-3" 0.

0

(D)

RAIL SPLICE

SECTION B-B

(DOUBLE FACE RAIL OR SINGLE FACE RAIL)

121/2" LAP

4" 41/2"

0

0

0

0

PLAN VIEW

BLOCK TYPE

OFFSET

GUARDRAIL POST ت **ا**

0

RAIL SPLICE

EFFECTIVE LENGTH OF BEAM 6'-3" C-C POST SPACING

6'-3" C-C POST SPACING

-12'-6" OR 25'-0"

ELEVATION VIEW

TRAFFIC

Contract ID: 202040 Page 53 of 66

SECTION A-A

DOUBLE FACE RAIL WITH ROUND TIMBER POST

DOUBLE FACE RAIL WITH STEEL POST (W6×9) (TIMBER OR APPROVED COMPOSITE OFFSET BLOCK

SECTION A-A

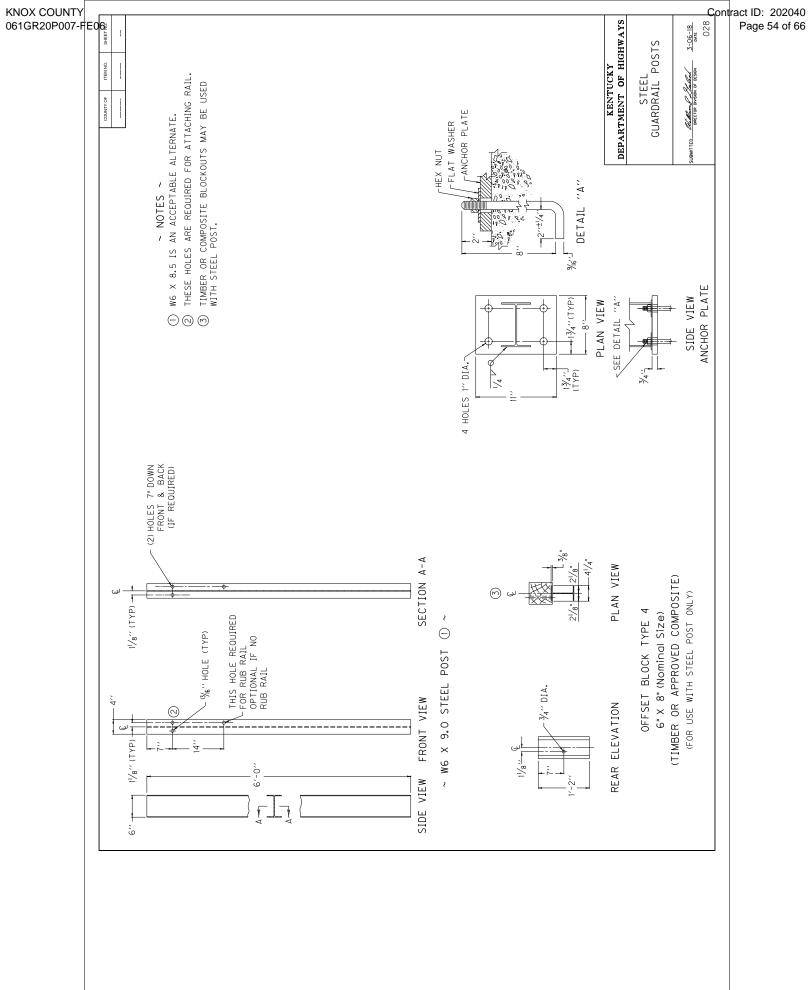
SECTION A-A

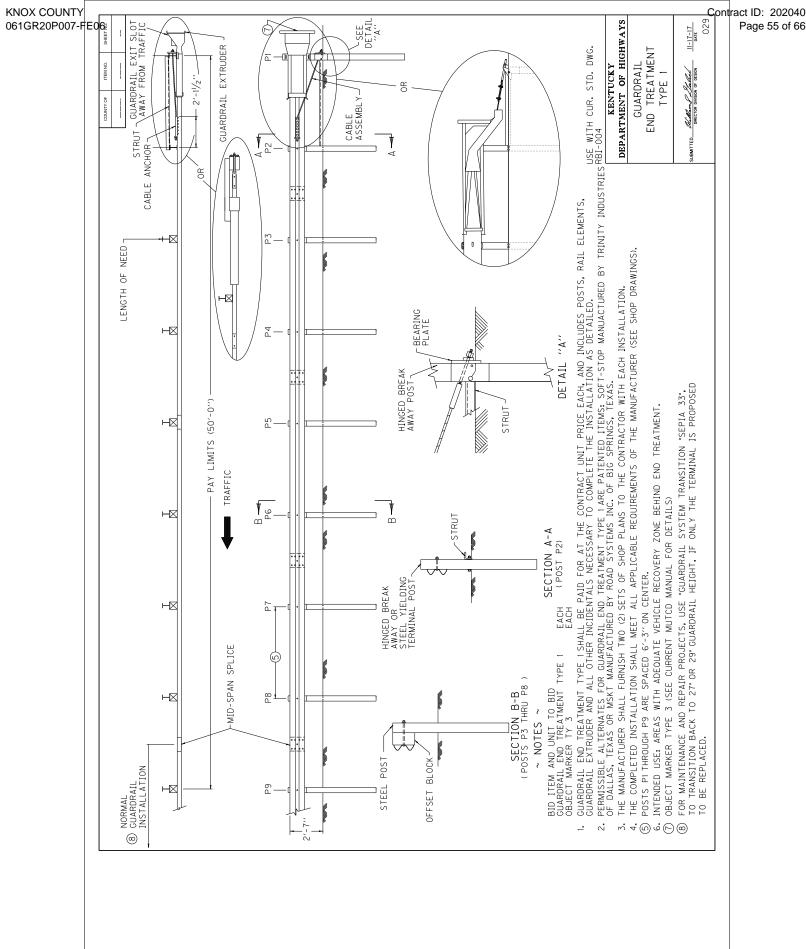
@

9

OFFSET BLOCK TYPE 3

OFFSET BLOCK TYPE 4





Contract ID: 202040 Page 56 of 66 KNOX COUNTY 061GR20P007-FE06 032 DEPARTMENT OF HIGHWAYS 11-17-17 DATE SHEET NO. ISOMETRIC VIEW USE WITH CUR. STD. DWGS. RBM-020, RBR-060 DELINEATORS FOR GUARDRAIL ITEM NO. KENTUCKY Milliam & Halled COUNTY OF WHEN CONCRETE BARRIERS EXTEND ACROSS BRIDGE STRUCTURES IN LIEU OF STEEL BEAM GUARDRAIL, DELINEATORS SHALL BE INSTALLED AT SAME VERTICAL ALIGNMENT AS ON THE GUARDRAIL, AND DELINEATORS SHALL COMPLY WITH CURRENT STANDARD DRAWING RBM-020. DELINEATOR DELINEATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, BID ITEMS AND UNIT TO BID
DELINEATOR FOR GUARDRAIL B/W
DELINEATOR FOR GUARDRAIL M/W
DELINEATOR FOR GUARDRAIL M/Y
DELINEATOR FOR GUARDRAIL M/Y
DELINEATORS SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH AND
SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR ONE COMPHETE INSTALLATION. DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MANUFACTURER'S TOLERANCES. DELINEATORS SHALL NOT BE INSTALLED WITHIN THE PAY LIMITS OF THE END TREATMENT. DELINEATOR SHAPE AND DIMENSIONS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY. TYPES OF DELINEATORS PERMITTED SHALL BE FROM THE LIST OF APPROVED MATERIALS. SPACING SHOULD BE ADJUSTED IN CURVES SO THAT SEVERAL DELINEATORS ARE ALWAYS SIMULTANEOUSLY VISIBLE TO THE ROAD USER, APPROXIMATE DELINEATOR SPACING - MONO-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC - MONO-DIRECTIONAL YELLOW DELINEATOR BI-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC 100 50, FOR GUARDRAIL FACING TRAFFIC DELINEATORS SHALL BE MANUFACTURED FROM 12 GA. GALVANIZED STEEL. BI-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC GUARDRAIL DELINEATORS SHALL BE REQUIRED ON ALL GUARDRAIL, PLACEMENT OF DELINEATORS FOR GUARDRAIL TANGENT CURVE TRAFFIC TRAFFIC TRAFFIC NOTES TRAFFIC DIMENSIONS SHOWN ARE FOR ONE VERSION OF A WEB-MOUNTED GUARDRAIL DELINEATOR, DELINEATORS WITH ALTERNATE DIMENSIONS MAY BE CONSIDERED FOR INCLUSION ON THE APPROVED PRODUCTS LIST. SIDE VIEW SIDE VIEW GUARDRAIL DELINEATOR ъ. 4. c. o. TYPE IX SHEETING, YELLOW OR WHITE 2 1/2" TRAFFIC 1/2" N **DELINEATOR** FRONT VIEW PLAN VIEW - 1 1/2"-2, FRONT VIEW GUARDRAIL

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

KNOX COUNTY 061GR20P007-FE06

Contract ID: 202040 Page 60 of 66

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.

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.

- 3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.
- 4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administrating agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

Contract ID: 202040 Page 61 of 66

EXECUTIVE BRANCH CODE OF ETHICS

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

KRS 11A.040 (7) provides:

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

KRS 11A.040 (9) states:

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

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

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

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

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

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

Revised: January 27, 2017

Kentucky Equal Employment Opportunity Act of 1978

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

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

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

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

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

PEK HOUF

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.
- \bullet Some state laws provide greater employee protections; employers must comply with both.
- \bullet 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.



Contract ID: 202040

Page 63 of 66

PART IV

INSURANCE

Refer to *Kentucky Standard Specifications for Road and Bridge Construction*,

current edition

PART V

BID ITEMS

202040

PROPOSAL BID ITEMS

Contract ID: 202040 Page 66 of 66

Report Date 1/3/20

Page 1 of 1

Section: 0001 - GUARDRAIL

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	750.00	TON		\$	
0020	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	81.00	EACH		\$	
0030	02351		GUARDRAIL-STEEL W BEAM-S FACE	3,812.50	LF		\$	
0040	02355		GUARDRAIL-STEEL W BEAM-S FACE A	100.00	LF		\$	
0050	02360		GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH		\$	
0060	02367		GUARDRAIL END TREATMENT TYPE 1	3.00	EACH		\$	
0070	02399		EXTRA LENGTH GUARDRAIL POST (9 FOOT LENGTH)	200.00	EACH		\$	
0800	02562		TEMPORARY SIGNS	400.00	SQFT		\$	
0090	02650		MAINTAIN & CONTROL TRAFFIC (FE06 061 0011 005-006)	1.00	LS		\$	
0100	02650		MAINTAIN & CONTROL TRAFFIC (FE06 061 0011 018-019)	1.00	LS		\$	
0110	08805		GUARDRAIL-BRIDGE CASE I	50.00	LF		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0120	02569		DEMOBILIZATION	1.00	LS		\$	
0130	03236		CRIBBING	4,775.00	SQFT		\$	