



CALL NO. 319

CONTRACT ID. 072300

PIKE COUNTY

FED/STATE PROJECT NUMBER FE01 098 0194 061-062

LETTING DATE: June 22, 2007

Sealed Bids will be received in the Division of Construction Procurement and/or the Auditorium located on the 1st floor of the Transportation Cabinet Office Building until 10:00 AM EASTERN DAYLIGHT TIME June 22, 2007. Bids will be publicly opened and read at 10:00 AM EASTERN DAYLIGHT TIME.

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

(Check guaranty submitted: Cashier's Check Certified Check Bid Bond)

BID BONDS WHEN SUBMITTED WILL BE RETAINED WITH THE PROPOSAL

DBE General Plan Included

BID

PROPOSAL ISSUED TO: _____

SPECIMEN

Address

City

State

Zip

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PART I
SCOPE OF WORK

CONTRACT ID - 072300

ADMINISTRATIVE DISTRICT - 12

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - PIKE PCN - MP09801940705
FE01 098 0194 061-062
FREEBURN-MAJESTIC ROAD (KY 194) AT BARRENSHEE CREEK (MILEPOINT 61.66) EAST OF BARRENSHEE
CREEK ROAD, A DISTANCE OF 0.02 MILES. CULVERT REPLACEMENT.
GEOGRAPHIC COORDINATES LATITUDE 37^33'13" LONGITUDE 82^08'07"
AVERAGE DAILY TRAFFIC - 1320 AVERAGE MAINLINE WIDTH - 20.0 FEET

COMPLETION DATE(S) AND LIQUIDATED DAMAGES ESTABLISHED:

9 CALENDAR DAYS
APPLIES TO ALLOWABLE ROAD CLOSURE - OPTION 1
SEE SPECIAL NOTES FOR LIQUIDATED DAMAGES

3 CALENDAR DAYS
APPLIES TO ALLOWABLE ROAD CLOSURE - OPTION 2
SEE SPECIAL NOTES FOR LIQUIDATED DAMAGES

3 CALENDAR DAYS
APPLIES TO ALLOWABLE ROAD CLOSURE - OPTION 3
SEE SPECIAL NOTES FOR LIQUIDATED DAMAGES

3 CALENDAR DAYS
APPLIES TO ALLOWABLE ROAD CLOSURE - OPTION 4
SEE SPECIAL NOTES FOR LIQUIDATED DAMAGES

4 CALENDAR DAYS
APPLIES TO ALLOWABLE ROAD CLOSURE - OPTION 5
SEE SPECIAL NOTES FOR LIQUIDATED DAMAGES

COMPLETION DATE - November 30, 2007
APPLIES TO REMAINDER OF CONTRACT
SEE SPECIAL NOTES FOR LIQUIDATED DAMAGES

CONTRACT NOTES

PROPOSAL ADDENDA

All addenda to this proposal must be incorporated into the proposal when the bid is submitted to the Kentucky Department of Highways. Failure to use the correct and most recent bid sheet(s) may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's Highway Bid Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. (www.transportation.ky.gov/contract)

The Bidder must download the bid items created from the web site to prepare a bid proposal for submission to the Department. The bidder must insert the completed bid item sheets printed from the Program into the bidder's proposal and submit with the disk created by said program.

JOINT VENTURE BIDDING

Joint Venture bidding is permissible. However, both companies MUST purchase a bidding proposal. Either proposal may be submitted but must contain the company names and signatures of both parties where required. 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 is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provision of the act.

SURFACING AREAS

Mainline surfacing width is estimated to be 20 feet.

Total mainline area to be surfaced is estimated to be 250 square yards.

Shoulder width is estimated to be 2 feet on each side.

Total shoulder area to be surfaced is included in the mainline surfacing area.

ASPHALT MIXTURE

The rate of application for all asphalt mixtures shall be estimated at 110 lbs/sy per inch of depth, unless otherwise noted.

DGA BASE

The rate of application for Dense Graded Aggregate Base (DGA) is estimated at 115 lbs/sy per inch of depth. Payment for necessary grading and/or shaping of subgrade prior to placing of DGA shall be included in the unit price bid per ton for DGA.

INCIDENTAL SURFACING

The quantities established in the proposal include estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, and road and street approaches. These items are to be paved to the limits as shown on Standard Drawing RPM 110 or to the limits as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, the paving of the crossroads shall be to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. These areas are to be surfaced or resurfaced as directed by the Engineer and no direct payment will be allowed for placing and compacting.

INITIAL TREATMENT

Pavement to be crowned from centerline on 1/4":1' slope with parabolic crown constructed at centerline as directed by the Engineer.

OPTION B

The Contractor is advised that the compaction of asphalt mixtures furnished to this project will be accepted by OPTION B in accordance with Section 402 and Section 403 of the *2004 Standard Specification*.

SPECIAL NOTES FOR CULVERT REPLACEMENT

I. DESCRIPTION

Except as hereafter specified, perform all work in accordance with the Department's 2004 Standard and Supplemental Specifications, Special Provisions and Special Notes, and Standard and Sepia Drawings. Section references are to the Standard Specifications. This work shall consist of:

(1) Site preparation and erosion control; (2) Clearing and grubbing and removal of all obstructions; (3) Removal of existing structure; (4) Drilling and blasting, if required, and common and solid rock excavation; (5) Constructing aluminum or steel structural plate pipe arch with reinforced concrete headwalls; (6) Constructing embankment, roadway, pavement, and shoulders; (7) Restoration, final dressing, cleanup, and seeding; (8) Maintain and control traffic; and (9) Any other work as specified by this contract.

I. MATERIALS AND DESIGN

All materials shall be sampled and tested in accordance with the Department's Sampling Manual. Make the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in these Notes.

A. Aluminum or Steel Pipe Arch. Provide a 15'-4" X 10'-0" Aluminum Alloy Structural Plate Pipe Arch or 15'-4" X 10'-4" Corrugated Steel Structural Plate Pipe Arch. In addition to the requirements of Section 809, the manufacturer shall design the pipe arch for an HS25 loading arrived at by increasing the standard HS20-44 truck and lane loads as specified in the AASHTO Specifications by 25%. Design for fill cover height of 11 feet and 0° skew as shown on the drawings. Prior to fabrication, furnish the Engineer shop drawings approved by a "Registered Professional Engineer" licensed in Kentucky. With each shipment of the structural plates and accessories, provide a certification that all materials furnished comply with the applicable specifications and these special notes. Prior to acceptance, the Department reserves the right to sample and test the structural plates, accessories, and coating materials at any time. Materials or coating not conforming to contract requirements are subject to rejection, whether in place or not.

B. Foundation Preparation and Bedding. Contrary to Section 701.02.04, furnish Crushed Limestone Size No. 57 wrapped in Geotextile Fabric Type III to stabilize the foundation. Furnish bedding materials according to Section 701.02.04.

Culvert Replacement

Page 2 of 6

C. Headwalls. Provide a design for reinforced concrete headwalls for the pipe to be furnished by modifying Standard Drawings RDH-405-02, RDH-415-02, RDH-420-02, RDH-430-02, RDH-435-04 and RDH 445-03. Fill cover heights and wing wall skew angles shown on the drawings are approximate only; actual skew angle of each wing wall will be determined by the Engineer at the time of Construction. Design for fill slopes, wing wall skew angles, paving, aprons, and toe walls as determined by the Engineer. Provide for counterforts in the design of wing walls greater than 15 feet in length. Prior to construction of the headwall, furnish for the Engineer's approval drawings prepared by a "Registered Professional Engineer" licensed in Kentucky.

D. Channel Lining. Use Channel Lining Class III and/or stone masonry and concrete from the existing culvert with all reinforcing steel removed and rubblized to the approximate size of cyclopean stone.

E. Guardrail. Guardrail will be by others.

F. Pavement and Shoulders. Use DGA, Class 2 Asphalt Base 1.50D PG64-22 and Class 2 asphalt Surface 0.38D PG64-22. Do not furnish Crushed Stone Base in lieu of DGA.

G. Erosion Control. See Erosion Control Plan.

H. Maintain and Control Traffic. See Traffic Control Plan.

III. CONSTRUCTION METHODS

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

B. Erosion Control. See Erosion Control Plan.

C. Site Preparation. Be responsible for all site preparation, including, but not limited to: clearing and grubbing; tree removal, common and solid rock excavation, backfilling and embankment in place; removal of existing culvert, obstructions, or any other items; disposal of materials, waste, and debris; temporary fencing to provide positive barrier to adjacent property owners livestock; temporary and permanent erosion control; restoration, final dressing, cleanup, and seeding and protection. Perform all site preparation only as approved or directed by the Engineer.

D. Excavation and Removal of Existing Structures. Prior to excavation and culvert removal, sawcut pavement to a neat edge and remove the existing culvert. Obtain the Engineer's approval of the trench width prior to sawcutting pavement. Close the road during the period allowed by the Traffic Control Plan and construct the pipe arch according to these notes, the Standard Specifications, and the manufacturer's installation procedures, or as directed by the Engineer. Be responsible for all common and solid rock excavation,

Culvert Replacement Page 3 of 6

pavement removal, and removal of the existing structure. Provide positive drainage of slopes and ditches at all times during and upon completion of construction. Waste all removed materials at sites off the right of way obtained by the Contractor at no additional cost to the Department. Perform all excavation and removal of existing structure only as approved or directed by the Engineer.

E. Structure Excavation. Be responsible for all excavation required for foundation preparation, head walls, wing walls, toe walls, and all other excavation required by the work. Excavate rock in channel as required to allow for installation of bedding and pipe arch with the designed fill cover height. Provide positive drainage of slopes and ditches at all times during and upon completion of construction. Waste all excavation at sites off the right of way obtained by the Contractor at no additional cost to the Department. Perform all structure excavation only as approved or directed by the Engineer.

F. Foundation Preparation and Bedding. Contrary to Section 701.02.04, construct foundation of Crushed Limestone Size No. 57 wrapped in Geotextile Fabric Type III as directed by the Engineer. Construct minimum 2-foot thickness. Construct bedding according to Section 701.03.03.

G. Aluminum or Steel Pipe Arch. Except as specified in these notes, construct the pipe arch according to Section 701.03.04(D). Provide for the culvert manufacturer to furnish an expert field engineer on site during all phases of the fabrication, construction, and backfilling over culvert for consulting purposes. Deliver the pipe arch fully assembled or assemble the pipe arch adjacent to the project site prior to any excavation or structure removal. Be responsible for field layout and survey of the proposed culvert. After removal of the existing structure stabilize the foundation with the fabric wrapped granular aggregate. Obtain the Engineer's approval of the final centerline, flow line and skew prior to backfilling. Provide positive drainage upon completion of the project.

H. Head walls, End Walls, Wing Walls, Toe Walls and Aprons. Construct reinforced head walls, wing walls, and toe walls as shown on the Standard Drawings, except the wing wall angles may vary. Skew angles of the wing walls shown on the drawings are approximate only; actual skew angle of each wing wall will be determined by the Engineer at the time of Construction. Construct concrete aprons and apron edge key as directed by the Engineer.

I. Backfill and Embankment. Construct flowable fill, granular backfill, and embankments as directed by the Engineer. Warp finished slopes to match adjacent undisturbed slopes as directed by the Engineer. Provide positive drainage of slopes and ditches at all times during and upon completion of construction.

J. Channel Lining. Place channel lining to protect wing walls and slopes as directed by the Engineer. In addition to the requirements of section 703, additional hand placement may be required.

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K. Clean and Re-establish the Existing Shoulders and Ditches. Grade and restore the shoulders and ditches in the project limits to match the existing adjacent features to be left in place or as directed by the Engineer. Provide positive drainage of slopes and ditches at all times during and upon completion of construction.

L. Pavement & Shoulder Restoration. Restore pavement and shoulders over the culvert trench to match the adjacent undisturbed typical section. Provide positive drainage of pavement and shoulders at all times during and upon completion of construction. After constructing culvert, backfill, and embankment, construct DGA and asphalt base and reopen the road to traffic. After opening to traffic, correct settlement with additional DGA and Leveling and Wedging, as applicable, until the Engineer determines the culvert backfill and base are sufficiently stabilized to allow placement of asphalt surface. Restore pavement and shoulders outside the culvert trench and approach. Once stabilized, construct final surface course and shoulders overall.

M. Guardrail. Guardrail will be by others.

N. Final Dressing, Clean Up, and Seeding and Protection. After all work is completed, completely remove debris from the construction site. Perform Class A Final Dressing on all disturbed areas, both on and off the Right of-Way. Sow all disturbed earthen areas according to the Erosion Control Plan.

O. Disposal of Waste. Dispose of all excess materials, waste, and debris off the right-of-way at approved sites obtained by the Contractor at no additional cost to the Department. See Special Note for waste and borrow.

P. Restoration. Be responsible for all damage to public and/or private property resulting from the work. Restore all damaged features in like kind materials and design.

Q. On-Site Inspection. Make a thorough inspection of the site prior to submitting a bid and be thoroughly familiar with existing conditions so that the work can be expeditiously performed after a contract is awarded. The Department will consider submission of a bid as evidence of this inspection having been made and will not honor any claims resulting from site conditions.

R. Caution. Do not take information shown on the plans and in this proposal and the types and quantities of work listed as an accurate or complete evaluation of the material and conditions to be encountered during construction. Without regard to the materials encountered, all roadway excavation shall be unclassified. It shall be distinctly understood that any reference to rock, earth, or any other material on the plans or cross sections, whether in numbers or words, letters, or lines, is solely for the Department's information and is not to be taken as an indication of classified excavation or the quantity of either rock, earth, or any other material involved. The bidder must draw his own conclusion as to the conditions encountered. The Department does not give any guarantee as to the accuracy of

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the data and no claim will be considered for additional compensation if the conditions encountered are not in accordance with the information shown.

S. Right-of-Way Limits. The Department has not determined exact limits of 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.

T. Utility Clearance. Work around and do not disturb existing utilities. It is not anticipated that any utility facilities will require relocation and/or adjustment; however, in the event utilities are discovered that require relocation, the utility companies will work concurrently with the Contractor while relocating their facilities. Working days will not be charged for those days on which work on the controlling item is delayed due to the utility companies phase of the work, as provided in the Specifications. If the total delay exceeds ten working days, an extension of the specified completion date will be negotiated with the Contractor for delay to the Contractor's work.

U. Staking. See special Note for Staking.

IV. METHOD OF MEASUREMENT

Only the bid items listed will be measured for payment. All other items required to complete the work shall be incidental to the listed items.

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

B. Site Preparation. Other than the bid items listed, Site Preparation will be measured as one lump sum.

C. Foundation Preparation. Foundation Preparation will be measured as one lump sum. Crushed Limestone and Geotextile fabric used in culvert bedding will not be measured for separate payment, but shall be incidental to Foundation Preparation.

D. Headwall Design. The Department will not measure design of pipe headwalls for separate payment, but shall be incidental to the Pipe Arch.

E. Channel Lining Class III. Channel Lining Class III will be measured in tons; however, solid rock excavation and rubblized concrete and stone masonry used as channel lining will not be measured for payment, but shall be incidental to Site Preparation, Foundation Preparation and Remove Existing Structure as applicable.

F. Erosion Control Plan. See Special Notes for Erosion Control Plan.

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G. Clearing and Grubbing, Excavation and Embankment. Contrary to Sections 202, 204, 205, and 206, Clearing and Grubbing, Roadway Excavation, Structure Excavation, Borrow Excavation, and Embankment in Place will not be measured for separate payment, but shall be incidental to Site Preparation.

H. Backfill Material. Flowable fill and granular backfill materials will not be measured for payment but shall be incidental to the pipe arch.

I. Pipe arch. Pipe arch will be measured in linear feet according to Section 701.05. The Department will not measure culvert design or manufacturer's technical representative for separate payment, but shall be incidental to the pipe arch.

J. Restoration, Final Dressing, Clean Up, and Seeding and Protection. Restoration, final dressing, clean up, and seeding and protection will not be measured for payment, but shall be incidental to Site Preparation and Erosion Control plan as applicable.

V. Basis of Payment

No direct payment will be made other than for the bid items listed. All other items required to complete the construction shall be incidental to the bid items listed.

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

B. Pipe Arch. Payment at the contract unit price per linear foot shall be full compensation for all materials, equipment, labor and incidentals necessary to complete the work as specified in these notes and the Standard Specifications for culvert design, headwall design, furnishing manufacturer's representative, and for furnishing and installing structural plate pipe arch.

C. Foundation Preparation. Payment at the contract lump sum unit price shall be full compensation for all materials, equipment, labor, and incidentals for structure excavation, geotextile fabric wrapped crushed limestone foundation, bedding, and all other expenses and all incidentals to prepare foundation and bedding for the pipe arch.

D. Site Preparation. Payment at the contract lump sum unit price shall be full compensation for all materials, equipment, labor, and incidentals, including, but not limited to: clearing and grubbing; temporary fencing to provide positive barrier to adjacent property owners livestock; common and solid rock excavation, backfilling and embankment in place; removal of obstructions, or any other items; disposal of materials; cleaning inlet and outlet ditches; restoration, final dressing, and cleanup.

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

SPECIAL NOTE FOR STAKING

In addition to the requirements of Section 201, perform the following:

1. Verify the pipe section and revise as necessary to provide proper alignment of culvert with stream channels and the roadway and provide positive drainage upon completion of construction; and
2. Establish pavement profiles and typical section slopes to insure positive drainage upon completion of the work; and
3. Determine superelevation, curve widening, crown, pavement transitions and tapers, and intersection details to align the pavement restoration to match existing roadway alignment and curvature as required by the work and to insure positive drainage upon completion of the work; and
4. Produce and furnish the Engineer "As Built" plans; and
5. Perform any and all other staking operations required to control and construct the work.

SPECIAL NOTES FOR EROSION CONTROL PLAN

I. DESCRIPTION

Except as provided herein, perform all erosion control work in accordance with the Department's 2004 Standard and Supplemental Specifications, applicable Special Provisions and Special Notes, and Standard and Sepia Drawings. Section references are to the Standard Specifications. This work shall consist of:

- (1) Prepare Best Management Practices plan (BMP) tailored to suit the specific construction phasing for the project in accordance with Section 213;
- (2) Prepare the project site for construction, including the installation of temporary and/or permanent water pollution control measures as required by the BMP prior to beginning any other work on the project;
- (2) Clear and grub and remove all obstructions as required for construction;
- (3) Install and inspect all erosion control devices in accordance with Standard Specifications;
- (4) Maintain all erosion control devices in accordance with Section 213.03.03;
- (5) Install additional erosion control devices as required by the BMP or construction phasing, or as directed by the Engineer;
- (6) Perform temporary seeding of disturbed areas where feasible;
- (7) Remove and dispose of accumulated silt and debris as required and remove all erosion control devices when no longer needed unless directed otherwise by the Engineer;
- (8) Restore all disturbed areas as nearly as possible to their original condition;
- (9) Prepare and permanently seed all disturbed earthen areas; and
- (10) Any other work as specified by this contract or as directed by the Engineer to prevent erosion.

II. MATERIALS AND DESIGN

All materials shall conform to applicable Sections of the Department's 2004 Standard and Supplemental Specifications, and Standard and Sepia Drawings, unless otherwise specified. All materials shall be sampled and tested in accordance with the Department's Sampling Manual. Make the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in these Notes.

Use Seed Mixture No. III for all permanent seeding and protection.

III. CONSTRUCTION METHODS

These Erosion Control Plan Notes do NOT constitute a BMP plan for the project. Prepare a specific BMP plan for the project jointly with the Engineer in accordance with Section 213 and the supplemental specifications. Each BMP will be unique depending on existing conditions at the project site, the type of work to be performed, the construction phasing, and the techniques utilized

Erosion Control Plan

Page 2 of 3

by the Contractor to complete the work, as approved by the Engineer. The quantity of erosion prevention and sediment control measures required on the project depend entirely on the Contractor's methods for completing the required construction.

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

Have erosion control measures in place and functioning prior to any disturbance within a drainage area. Size silt control devices to retain a volume of 3,600 cubic feet (at the minimum) per acre of disturbed area. Compute the volume necessary to control sediment during each phase of construction. Remove sediment from silt traps whenever they become ½ full (at the most). Maintain silt fence by removing accumulated trappings and/or replacing the geotextile fabric when it becomes clogged, damaged, or deteriorated as directed by the Engineer. Properly dispose of all materials trapped by erosion control devices at sites approved by the Engineer.

As work progresses, add or remove erosion control measures as required by project phasing and the BMP. 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 completed, completely remove all erosion control devices and debris from the construction site, unless otherwise directed by the Engineer. 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 seedbeds in accordance with Section 212 and sow all disturbed areas with Seed Mixture No. III.

IV. METHOD OF MEASUREMENT

Only the bid items listed in the proposal will be measured for payment. All other items required to complete the work shall be incidental to the listed item(s).

Erosion Control. Contrary to the Standard Specifications, the Department will measure all work performed for developing, inspecting, maintaining, and removing erosion control items as well as all work performed for preparing, updating, and maintaining a BMP as one lump sum bid item for Erosion Control.

Erosion Control Plan
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V. Basis of Payment

Erosion Control. Payment at the contract lump sum unit price shall be full compensation for all materials, equipment, labor and incidentals necessary to complete the work as specified in these notes and the Standard Specifications. Item descriptions deemed incidental to this pay item include, but are not limited to: Temporary Mulch, Silt Trap Type "A", Clean Silt Trap Type "A", Silt Trap Type "B", Clean Silt Trap Type "B", Silt Trap Type "C", Clean Silt Trap Type "C", Sedimentation Basin, Clean Sedimentation Basin, Temporary Silt Fence, Clean Temporary Silt Fence, Temporary Ditch, Erosion Control Blanket, Temporary Seeding and Protection, Seeding and Protection, Special Seeding Crown Vetch, and Topdressing Fertilizer. The Department will consider payment as full compensation for all work required by this Note. No direct payment will be made other than for the lump sum bid item Erosion Control listed.

SPECIAL NOTE FOR LIQUIDATED DAMAGES

In addition to the requirements of Section 108.09, Liquidated Damages in the amount of \$2,000 per day will be assessed for each calendar day or part of a calendar day a road closure remains in place beyond the time allowed by the traffic Control Plan or during days prohibited by the Engineer.

Contrary to section 108.09, Liquidated damages will be assessed for the months of December through March.

Contrary to Section 108.09, Liquidated Damages will be assessed regardless of whether seasonal limitations prohibit the Contractor from performing work on the controlling operation.

All liquidated damages will be applied accumulatively.

All other applicable portions of Section 108 apply.

SPECIAL NOTE FOR PROJECT IDENTIFICATION SIGNS

When directed by the Engineer, install Project Identification Signs furnished by the Department at each end of the project. The signs furnished by the Department will be approximately 44" X 72" or 72" X 120" aluminum sign blanks with standard color reflective sheeting with the applicable county and project names affixed. The Engineer will determine the size and location of the signs, if any, to be used on the project(s) at the time of construction.

Pick up the signs to be furnished by the Department at the District Traffic Operations Facility. Furnish posts and hardware for mounting the signs. Install the signs at locations determined by the Engineer. Maintain the signs during the duration of the project. Upon completion of the work, remove the signs and return them to District Traffic Operations Facility. Retain possession of the posts and hardware.

The Department will measure installation of the Project Identification Signs in individual units, Each. Payment at the contract unit price Each shall be full compensation for all labor, materials, equipment, and incidentals required for picking up, installing, maintaining, and returning the project identification signs furnished by the Department.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
20588NC	Install Project Identification Signs	Each

SPECIAL PROVISION FOR WASTE AND BORROW SITES

The contractor is advised that it is their responsibility to gain U.S. Army Corp of Engineer's approval before utilizing a waste or borrow site that involves "Waters of the United States". "Waters of the United States" are defined as perennial or intermittent streams, ponds or wetlands. Ephemeral streams are also considered jurisdictional waters, and are typically dry except during rainfall, but have a defined drainage channel. Questions concerning any potential impacts to "Waters..." should be brought to the attention of the appropriate District Office for the Corps of Engineers for a determination, prior to disturbance. Any fees associated with obtaining approval from the U.S. Army Corp of Engineer or other appropriate regulatory agencies for waste and borrow sites is the responsibility of the contractor.

COORDINATION OF WORK WITH OTHER CONTRACTS

The Contractor is advised there may be an active project adjacent to or within this project. The Engineer will coordinate the work of the Contractors. See Section 105.06.

1-3193 coordination.contractors
02/11/04

SPECIAL NOTE FOR PRIME

Apply Asphalt Material for Tack for prime at a rate of 1 lb/sy of undiluted asphalt residue. If an acceptable prime coat is not consistently achieved, the Engineer may require dilution with an equal amount of water and application of the diluted material at the rate of 2 lbs/sy. All other provisions of Section 406 of the 2004 Standard Specifications.

primeinitialtreatment
08/07/03

SPECIAL NOTE FOR TYPICAL SECTION DIMENSIONS

The dimensions shown on the typical sections for pavement and shoulder widths and thickness' are nominal or typical dimensions. The actual dimensions to be constructed may be varied to fit existing conditions as directed or approved by the Engineer. It is not intended that existing pavement or shoulders be widened unless specified elsewhere in the Proposal.

typical section
05/09/2003

TRAFFIC CONTROL PLAN

TRAFFIC CONTROL GENERAL

Except as provided herein, maintain and control traffic in accordance with the 2004 Standard and Supplemental Specifications and the Standard and Sepia Drawings. Section references are to the Standard Specifications. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work.

PROJECT PHASING & CONSTRUCTION PROCEDURES

KY 194 may be closed to through traffic for removal of the existing culvert, construction of the new pipe arch, and roadway restoration, subject to the following conditions:

1. Option 1 – A road closure will be permitted for a single period between June 29, 2007 and August 6, 2007 of the Contractor's choosing for a maximum of 9½ calendar days beginning at 6:00 PM Friday and ending at 6:00 a.m. Monday of the following week. If this option is selected by the Contractor, in no case will a closure be permitted after 6:00 a.m. on August 6, 2007. Obtain the Engineer's approval of a work schedule prior beginning work.

OR

2. Option 2 – A road closure will be permitted for a single period for a maximum of 3½ calendar days between 6:00 p.m. Friday August 30 through 6:00 a.m. Tuesday September 4, 2007. If this option is selected by the Contractor, in no case will a closure be permitted after 6:00 a.m. on September 4, 2007. Obtain the Engineer's approval of a work schedule prior beginning work.

OR

3. Option 3 – A road closure will be permitted for a single period for a maximum of 3½ calendar days between 6:00 p.m. Thursday September 20 through 6:00 a.m. Monday September 24, 2007. If this option is selected by the Contractor, in no case will a closure be permitted after 6:00 a.m. on September 24, 2007. Obtain the Engineer's approval of a work schedule prior beginning work.

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OR

4. Option 4 – A road closure will be permitted for a single period for a maximum of 3½ calendar days between 6:00 p.m. Thursday October 4 through 6:00 a.m. Monday October 8, 2007. If this option is selected by the Contractor, in no case will a closure be permitted after 6:00 a.m. on October 8, 2007. Obtain the Engineer's approval of a work schedule prior beginning work.

OR

5. Option 5 – A road closure will be permitted for a single period for a maximum of 4½ calendar days between 6:00 p.m. Friday November 2 through 6:00 a.m. Wednesday November 7, 2007. If this option is selected by the Contractor, in no case will a closure be permitted after 6:00 a.m. on November 7, 2007. Obtain the Engineer's approval of a work schedule prior beginning work.

6. At all other times, when required by the work in progress, maintain alternating one way traffic. At the discretion of the Engineer, days and hours may be specified when lane closures will not be allowed.

7. Be responsible for road closure, work zone signs, and physically barricading the site. Notify the Engineer immediately of any anticipated or proposed deviations from the approved work schedule. The Department will provide public notification and detour signing as deemed necessary by the engineer.

8. Deliver the aluminum or steel structural steel pipe arch fully assembled or assemble the pipe arch adjacent to the project site prior to road closure.

9. Close road during one of the allowable periods selected by the Contractor, remove existing culvert, construct the new culvert, backfill the culvert, and restore pavement and shoulders over the culvert trench through the asphalt base course and reopen the road within the approved time period.

10. The Contractor will not be required to provide continuous access to single family, duplex, or triplex residential properties or farms during working hours; however, the Contractor shall provide reasonable egress and ingress to each such property when actual operations are not in progress at that location. The time during which a residential entrance is blocked shall be the minimum length of time required for actual operations, shall not be extended for the Contractor's convenience, and in no case shall exceed six (6) hours. The Contractor shall notify all residents twenty-four hours in advance of any driveway or entrance closings and shall make any accommodations necessary to meet the access needs of disabled residents.

Traffic Control Plan

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11. Maintain local traffic and provide access to Barrenshee Creek Road and other side streets and roads, schools, churches, commercial properties and apartments or apartment complexes of four or more units at all times.

12. Payment will be allowed at the contract unit price bid for DGA and asphalt materials required to construct and maintain any temporary entrances which may be necessary to provide temporary access; however, no direct payment will be allowed for temporary pipe, excavation, and/or embankment needed. The Engineer will determine the type of surfacing material, asphalt or aggregate, to be used at each entrance.

If blasting is required, it will be allowed only during the period when the road is closed to through traffic. Halt local traffic, blast, clean the existing pavement and return traffic to normal local traffic operation subject to the following conditions:

1. Halt all local traffic at a safe distance, as determined by the Engineer, on either side of the impending explosion.
2. Traffic may be halted a maximum of 15 minutes per hour to allow the execution of the "shot" and to allow for removal of rock fragments and debris.
3. Have suitable equipment at the site and in a running mode for the purpose of cleaning the existing pavement.
4. Immediately after any blast, inspect the pavement for any debris that may be a hazard to traffic prior to allowing traffic to proceed. Return traffic to normal operation in the least amount of time possible.

At all other times during construction, maintain alternating one way traffic during working hours. The clear lane width shall be 8 feet, however make provisions for passage of vehicles of up to 16 feet in width. If traffic should be stopped due to construction operations, and a school bus on an official run arrives on the scene, make provisions for the passage of the bus as quickly as possible.

LANE & SHOULDER CLOSURES

Except for the allowable days specified in the phasing for road closure to place and backfill the culvert, do not leave lane closures in place during non-working hours. Shoulder closures may be maintained during nonworking hours; however do not park vehicles or store materials on a closed shoulder during non-working hours.

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SIGNS

Contrary to Section 112.04.02 and 112.04.03, Low Shoulder signs will not be measured for payment, but shall be incidental to Maintain and Control Traffic. 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 shall be incidental to Maintain and Control Traffic. Individual signs will be measured only once for payment, regardless of how many times they are set, reset, relocated, and removed during the duration of the project. Replacements for damaged signs directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

VARIABLE MESSAGE SIGNS

If deemed necessary by the Engineer, Variable Message Signs will be furnished, installed, operated, and maintained by the Department.

BARRICADES

Barricades used in lieu of barrels and cones for channelization or delineation shall be incidental to Maintain and Control Traffic according to Section 112.04.01. Barricades used to protect pavement removal areas and for road closures will be bid as each according to Section 112.04.05. Individual barricades will be measured only once for payment, regardless of how many times they are set, reset, relocated, and removed during the duration of the project. Replacements for damaged barricades directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

PAVEMENT EDGE DROP-OFFS

Do not allow a pavement edge between opposing directions of traffic or lanes that traffic is expected to cross in a lane change situation with an elevation difference greater than 1½". Place warning signs (MUTCD WY-11 or WE-9A) in advance of and at 1500 foot intervals throughout the drop-off area. Provide dual posting on both sides of the traveled way. Wedge transverse transitions between resurfaced and unresurfaced areas which traffic may cross with asphalt mixture for Leveling and Wedging. Remove the wedges prior to placement of the final surface course.

Traffic Control Plan
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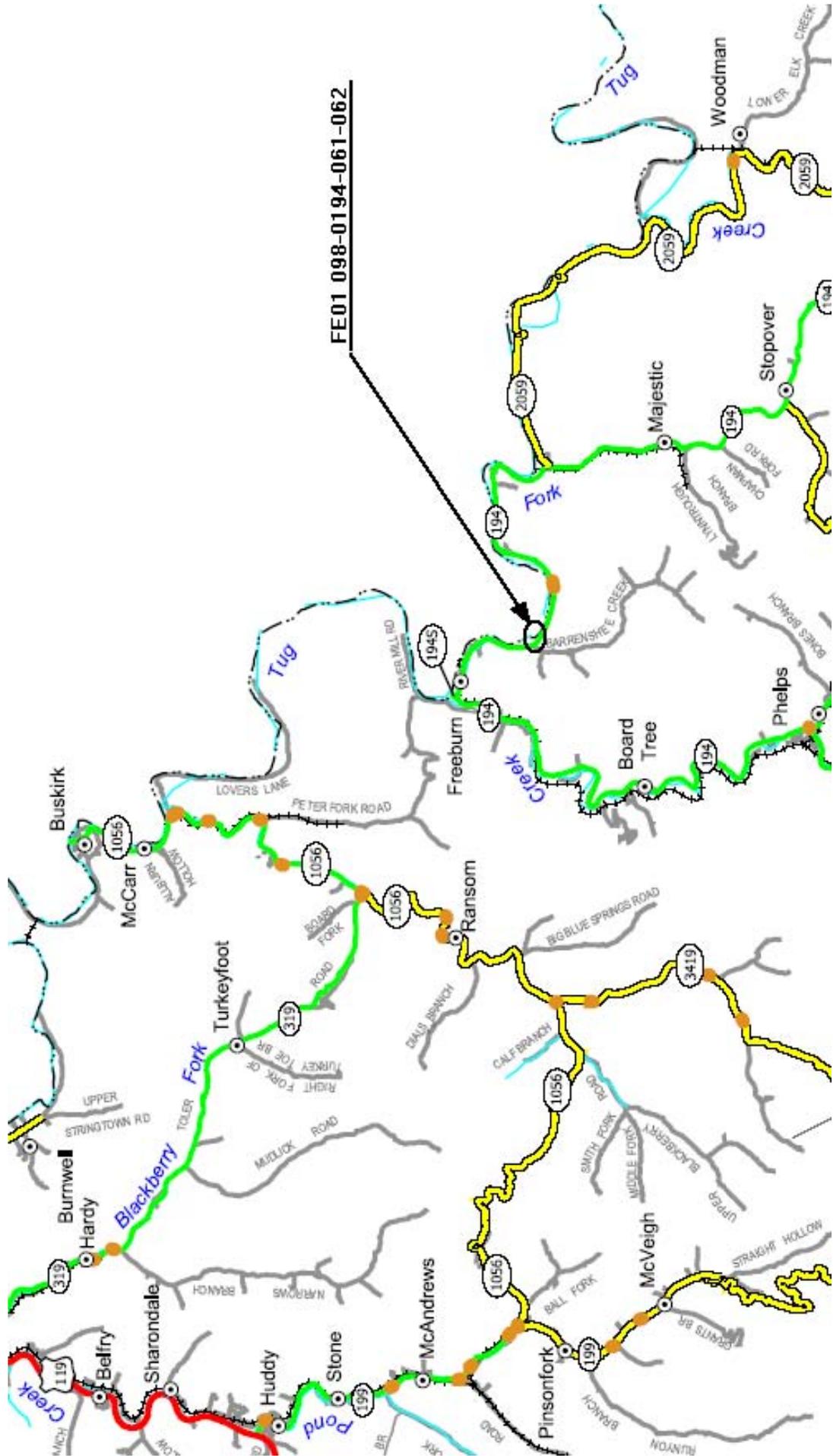
Protect pavement edges and other drop-offs that traffic is not expected to cross, except accidentally, as follows:

Less than 2" - No protection required.

2" to 4" - Place plastic drums, vertical panels, or barricades every 50 feet. Cones may be used in place of plastic drums, panels, and barricades during daylight working hours. Wedge with DGA or asphalt mixture for Leveling and Wedging with a 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours, when work is not active in the drop-off area.

Culvert Trench - Close road during allowable period when culvert trench is open. Protect local traffic by placing Type III Barricades directly in front of the trench facing both directions of travel. Provide warning signs as shown on the Standard Drawings or as directed by the Engineer. Provide protection for pedestrian traffic as approved by the Engineer.

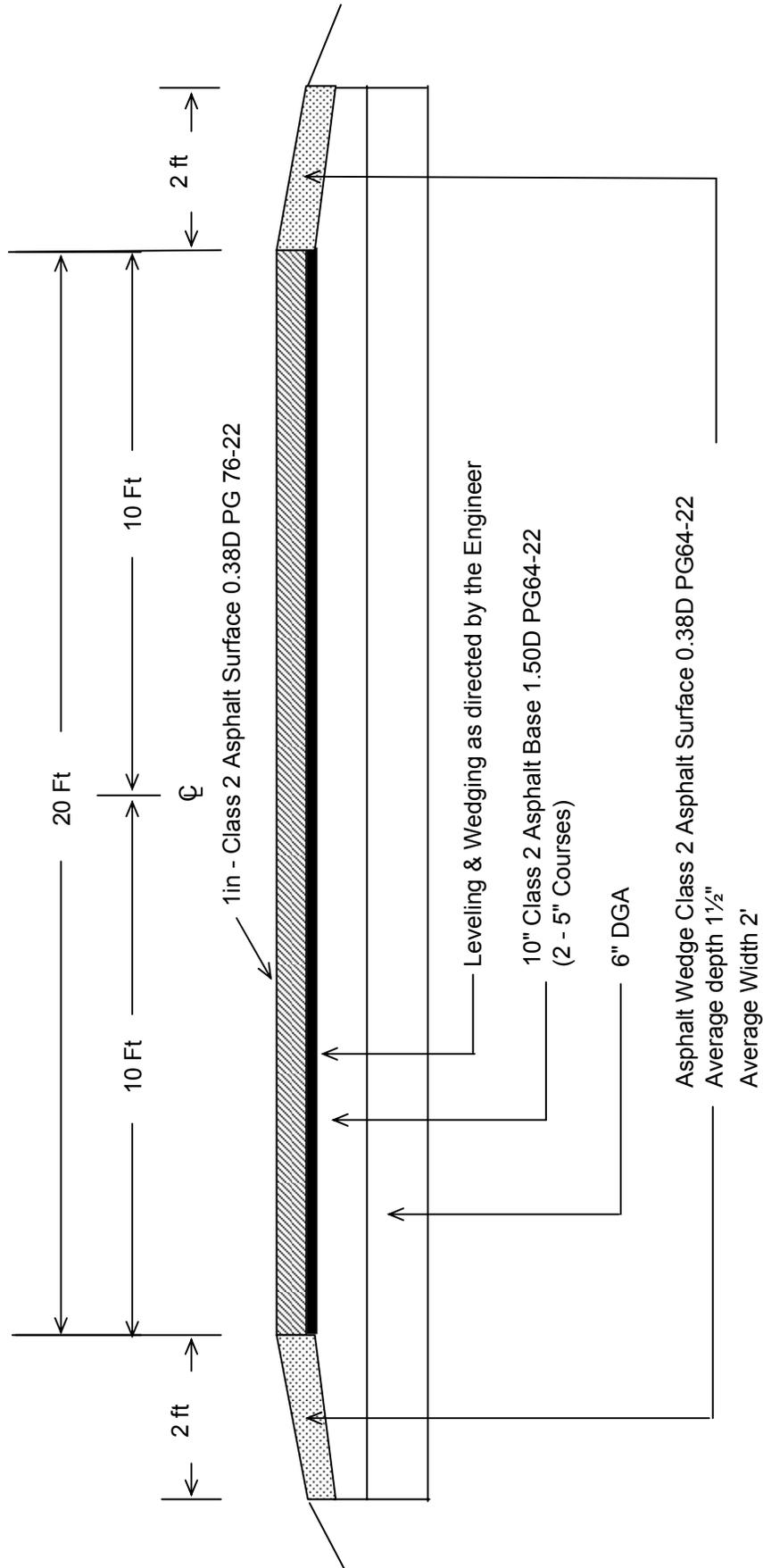
PIKE COUNTY

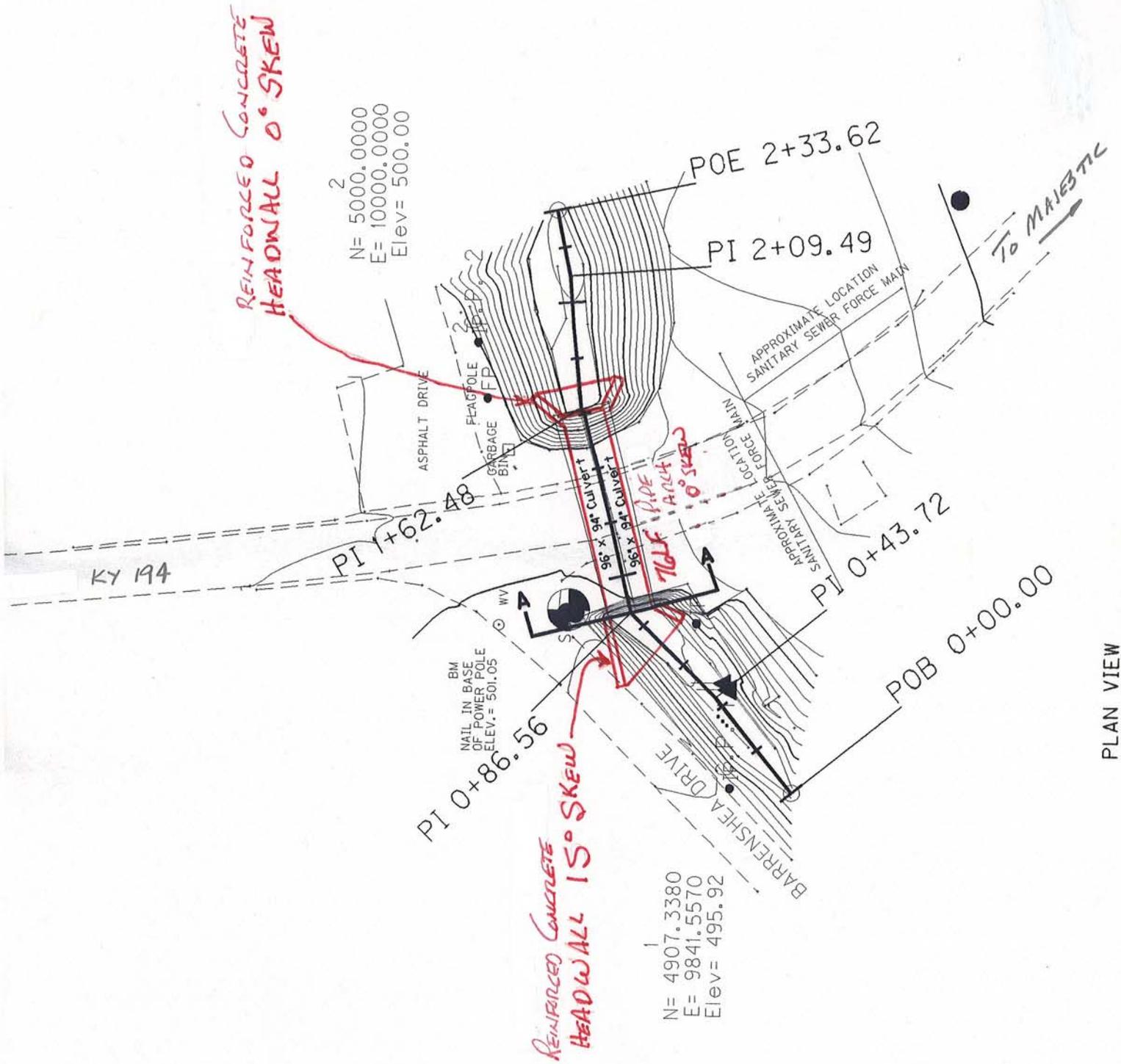


PIKE COUNTY

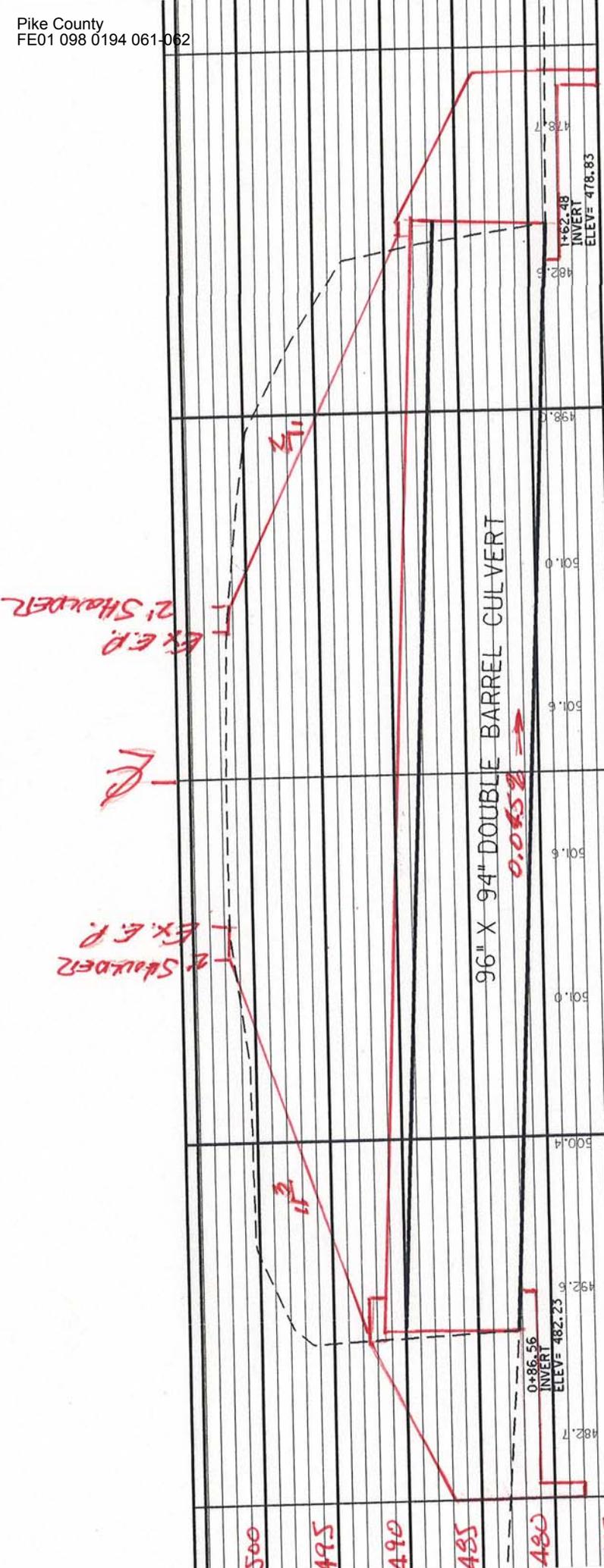


TYPICAL PAVEMENT SECTION





PLAN VIEW
1"=50'



96" X 94" DOUBLE BARREL CULVERT

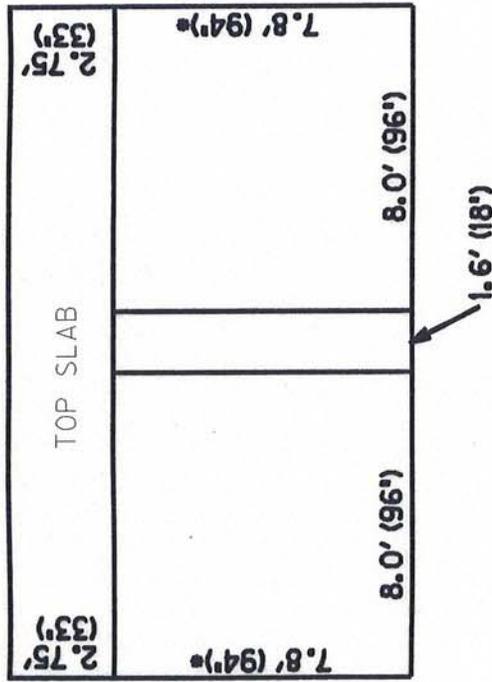
CONST 76 LF PIPE ARCH 0° SKEW
STEEL 15'-4" X 10'-4" OR
ALUMINUM 15'-4" X 10'-0"

1+50

1+00

PROFILE VIEW: 1"=10'
HORIZONTAL: 1"=10'
VERTICAL: 1"=10'

EXISTING CONVERT



DETAIL SECTION A-A
NO SCALE

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

**Supplemental Specifications to The Standard Specifications
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SUBSECTION: 105.07 COOPERATION WITH UTILITIES. REVISION: In the last paragraph, replace “KRS 367 Sections 1 through 10” with “KRS 367.4901 through 367.4917”
SUBSECTION: 108.01 SUBCONTRACTING OF CONTRACT. REVISION: Replace the second and third sentence of the first paragraph with the following: When the Engineer gives such consent, the Engineer will allow the Contractor to subcontract a portion, but the Contractor must perform with his own organization work amounting to no less than 30 percent of the total Contract cost. The Department will not allow any subcontractor to exceed the percentage to be performed by the Contractor and will require the Contractor to maintain a supervisory role over the entire project.
SUBSECTION: 109.07 PRICE ADJUSTMENT. REVISION: Replace the section with the following: 109.07 PRICE ADJUSTMENTS. Due to the fluctuating costs of petroleum products, the Department will adjust the compensation of specified liquid asphalt items and diesel fuel in contracts when contract quantity thresholds are met. 109.07.01 Liquid Asphalt. The Department will compare the Kentucky Average Price Index (KAPI), for the month that the Contract is let, to the index for the month that the Contractor places the material on the project to determine the percent change. When the original contract quantity for asphalt items is equal to or greater than 3,000 tons and when the average price of the liquid asphalt products increases or decreases more than 5 percent, the Department will adjust the Contractor’s compensation. The KAPI is calculated monthly using the average price, per ton at the terminal, from the active suppliers of liquid asphalt. <u>Adjustable Contract Items:</u> <ul style="list-style-type: none">• Asphalt Curing Seal• Asphalt Material for Prime• Asphalt Base, All Classes• Asphalt Binder• Asphalt Surface, All Classes• Sand Asphalt Surface• Asphalt Open-Graded Surface• Asphalt Seal Coat• Asphalt Mixture for Leveling and Wedging• Drainage Blanket - Type II - Asphalt The Department will determine the price adjustment using the following formulas: <u>When PC is greater than PL</u> Asphalt Price Adjustment = $(Q \times A)/100 \times PL \times [(PC-PL)/PL - 0.05]$ <u>When PC is less than PL</u> Asphalt Price Adjustment = $(Q \times A)/100 \times PL \times [(PC-PL)/PL + 0.05]$ Where: Q = Tons of material or mixture placed each month. A = Percent of material or mixture that is asphalt. PL = KAPI for the month that the Contract is let. PC = KAPI for the month that the Contractor places the material or mixture. The job-mix formula for asphalt base, binder, and surface mixtures determines “A”, which is the percent of asphalt. For recycled mixtures, the Department will determine the adjustment for the new asphalt cement only. The Department will consider materials for prime and seal as 100 percent asphalt.

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Revision
Continued

109.07.02 Fuel. The Department will adjust the Contractor's compensation when the average price of diesel fuel increases or decreases more than 5 percent and the original Contract quantity for the item on which the fuel is consumed is equal to or greater than the threshold quantities listed in the following table.

<u>Item</u>	<u>Threshold Quantity</u>	<u>Fuel/Work</u>
Roadway Excavation	10,000 cubic yards	0.25
Embankment-in-Place	10,000 cubic yards	0.25
Borrow Excavation	10,000 cubic yards	0.25
DGA Base or Crushed Stone Base	5,000 tons	0.52
Stabilized Aggregate Base	5,000 tons	0.52
Drainage Blanket, Cement Treated or Untreated	5,000 tons	0.52
Drainage Blanket, Asphalt Treated	5,000 tons	3.00
Crushed Sandstone Base (Cement Treated)	5,000 tons	0.52
Hot-Mixed Asphalt Mixtures for Pavements or Shoulders	3,000 tons ⁽¹⁾	3.00
PCC Pavement, Base, or Shoulders	2,000 square yards ⁽²⁾	0.14

⁽¹⁾Total of all hot mixed asphalt Contract items.

⁽²⁾Total of all JPC pavement, JPC shoulder, and PCC base, Contract items.

The Department will determine the price adjustment using the following formulas:

When PC is greater than PL

$$\text{Fuel Price Adjustment} = Q \times F \times PL \times [(PC-PL)/PL - 0.05]$$

When PC is less than PL

$$\text{Fuel Price Adjustment} = Q \times F \times PL \times [(PC-PL)/PL + 0.05]$$

Where:

Q = Quantity for applicable item placed or performed that month.

F = The fuel to work unit ratio for each applicable item.

PL = Average reseller price of diesel fuel, excluding taxes, discounts, and superfund line items, in the Kentucky region for the month that the Contract is let.

PC = Average reseller price of diesel fuel, excluding taxes, discounts, and superfund line items, in the Kentucky region for the month that the Contractor uses the fuel on the project.

109.07.03 Payments and Deductions. When thresholds are met, the Department will adjust the Contractor's compensation for each eligible pay item, paid or deducted, monthly.

If later price decreases indicate that the Department made an overpayment, the Department will withhold the overpayment from succeeding pay estimates on the project, or the Contractor shall immediately refund the over payment to the Department.

When the Contractor places materials during any month after the month that the Contract time (including all approved time extensions) expires, the Department will use the average price for the month that the Contractor places the material or the average price for the last month of the Contract time; whichever is least.

The Department will not grant a time extension for any overrun in the Contract amount due to payments made according to this section. The Department will not make any additional compensation due to adjustments made according to this section.

The Department will adjust the Contractor's compensation on the following months pay estimate and on the final pay estimate. The Department will make the final adjustment of the Contractor's compensation on the final estimate for the project.

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SUBSECTION: 110.01 MOBILIZATION. REVISION: Replace the third paragraph with the following: Do not bid an amount for Mobilization that exceeds 5 percent of the sum of the total amounts bid for all items in the Bid Proposal, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives. The Department will automatically adjust any bids in excess of this amount to 5 percent for bid comparisons. The Department will base the award on the maximum allowable bid of 5 percent. If any errors in unit bid prices for other Contract items in a Contractor's Bid Proposal are discovered after bid opening and such errors reduce the total amount bid for all other items, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives, so that the percent bid for Mobilization is larger than 5 percent, the Department will adjust the amount bid for Mobilization to 5 percent of the sum of the corrected total bid amounts.
SUBSECTION: 110.02 DEMOBILIZATION. REVISION: Replace the first sentence of the third paragraph with the following: Do not bid an amount for Demobilization that is less than 1.5 percent of the sum of the total amounts bid for all other items in the Bid Proposal, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives.
SUBSECTION: 206.03.03 Compaction. REVISION: Replace "KM 64-412" with "KM 64-002"
SUBSECTION: 206.04.01 Embankment-in-Place. REVISION: Replace the first sentence of the sixth paragraph with the following: When payment is made for Embankment-in-Place, the Department will make payment for all embankment constructed on the project, including roadway embankment, refill in cuts, and embankment placed in embankment benches.
SUBSECTION: 212.03.03 Permanent Seeding and Protection. PART: Delete Part C) and replace Parts A) and B) with the following: REVISION: A) Seed Mixtures for Permanent Seeding. Seed Mix Type I: 30% Kentucky 31 Tall Fescue (<i>Festuca arundinacea</i>) 20% Creeping Red Fescue (<i>Festuca rubra</i>) 35% Hard Fescue (<i>Festuca (Festuca longifolia)</i>) 10% Ryegrass, Perennial (<i>Lolium perenne</i>) 5% White Dutch Clover (<i>Trifolium repens</i>) Seed Mix Type II: 55% Kentucky 31 Tall Fescue (<i>Festuca arundinacea</i>) 15% Ryegrass, Perennial (<i>Lolium perenne</i>) 15% (based on pure live seed, PLS) Little Bluestem (<i>Schizachyrium scoparium</i>) 15% Crown Vetch (<i>coronilla varia</i>) Seed Mix Type III: 40% Kentucky 31 Tall Fescue (<i>Festuca arundinacea</i>) 15% Perennial Ryegrass <i>Lolium perenne</i>) 20% Sericea Lespedeza (<i>Lespedeza cuneata</i>) 25% (based on pure live seed, PLS) Little Bluestem (<i>Schizachyrium scoparium</i>) 1) Permanent Seeding on Slopes 3:1 or Less. Apply seed mix Type I at a minimum application rate of 100 pounds per acre. 2) Permanent Seeding on Slopes Greater than 3:1 in Highway Districts 4, 5, 6, and 7. Apply seed mix Type II at a minimum application rate of 100 pounds per acre plus a nurse crop of either Cereal Rye or German Foxtail-Millet based on the time of year. During the months of June through August, apply 10 pounds of German Foxtail-Millet (<i>Setaria italica</i>). During the months of September through May, apply 56 pounds of Cereal Rye (<i>Secale cereale</i>). If adjacent to golf courses replace the crown vetch with Kentucky 31 Tall Fescue

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revision continued	<p>3) Permanent Seeding on Slopes Greater than 3:1 in Highway Districts 1, 2, 3, 8, 9, 10, 11, and 12. Apply seed mix Type III at a minimum application rate of 100 pounds per acre plus a nurse crop of either Cereal Rye or German Foxtail-Millet based on the time of year. During the months of June through August, apply 10 pounds of German Foxtail-Millet (<i>Setaria italica</i>). During the months of September through May, apply 56 pounds of Cereal Rye (<i>Secale cereale</i>). If adjacent to crop land or golf course replace the <i>Sericea Lespedeza</i> with Kentucky 31 Tall Fescue.</p> <p>B) Procedures for Permanent Seeding. Include a seeding plan in the Best Management Practices plan (BMP) according to Section 213. Prepare a seedbed and incorporate fertilizer and agricultural limestone as needed. Do not apply dry agricultural Limestone when it may generate a traffic hazard. Remove all rock and dirt clods over 4 inches in diameter from the surface of the seedbed. Unless the Engineer directs otherwise, track all slopes 3:1 or greater. Ensure that tracking is performed up and down and not across. Native Grass seed should be calculated figuring seed on a pure live seed basis (PLS), using the least amount of inert matter available. Seed and mulch to produce a uniform vegetation cover using the seeding rates as indicated to each application. Mulch with clean, weed free straw. Place straw to an approximate 2-inch loose depth (2 tons per acre) and anchor it into the soil by mechanically crimping it into the soil surface or applying tackifier to provide a protective cover. For the periods of March 1 through May 15 and from September 1 through November 1, the Department will allow the option of using hydromulch at minimum rate of 1,500 pounds per acre in place of straw with tackifier. Regardless of materials used, ensure the protective cover holds until seeding is acceptably established according to part G) of this subsection.</p>
SUBSECTION: REVISION:	213.03.01 Best Management Practices (BMP). Replace the third sentence of the first paragraph with the following: Ensure that the BMP provides storage for 3,600 cubic feet of water per surface acre disturbed.
SUBSECTION: REVISION:	213.03.02 Progress Requirements. Add the following after the first sentence of the third paragraph: Seed and mulch areas at final grade within 14 days. Temporary mulch areas not at final grade if work stops for longer than 21 days. Temporary mulch soil stock piles within 14 days of the last construction activity in that area.
SUBSECTION: REVISION:	213.03.03 Inspection and Maintenance Replace both "0.1-inch" references with "0.5-inch". Add the following sentence to the end of the second paragraph: Initiate corrective action within 24 hours of any reported deficiency.
SUBSECTION: PART: REVISION:	213.03.05 Temporary Control Measures. B) Silt Checks. B) Silt Checks. Use one of the following types: <ol style="list-style-type: none"> 1) Silt Check Type II - Crushed stone such as cyclopean stone riprap, quarry run stone, or other size material approved by the Engineer, dumped in place and shaped to the configuration required. 2) Silt Check Type III - Blasted or broken rock dumped in place and shaped to the configuration required. <p>Remove and properly dispose of sediment deposited at silt checks as necessary. When no longer needed, remove the silt checks and dispose of surplus materials as excavated materials according to Section 204. Seed and protect the entire area disturbed, as directed. Do not leave silt checks in place after completion of the project unless allowed by the Engineer or specified in the Plans.</p>

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SUBSECTION:	213.03.05 Temporary Control Measures.	
PART:	F) Temporary Seeding and Protection.	
REVISION:	Replace the first sentence with the following:	
	Apply seed mix Type I at a minimum application rate of 100 pounds per acre plus a nurse crop of either Cereal Rye or German Foxtail-Millet based on the time of year. During the months of June through August, apply 10 pounds of German Foxtail-Millet (<i>Setaria italica</i>). During the months of September through May, apply 56 pounds of Cereal Rye (<i>Secale cereale</i>). Obtain the Engineer's approval for the seed before use.	
SUBSECTION:	213.03.05 Temporary Control Measures.	
PART:	G) Temporary Mulch.	
REVISION:	Replace the last sentence with the following:	
	Place temporary mulch to an approximate 2-inch loose depth (2 tons per acre) and apply tackifier.	
SUBSECTION:	213.04.15 Temporary Silt Ditch.	
REVISION:	Replace with the following:	
	The Department will measure the quantity in linear feet.	
SUBSECTION:	213.04 MEASUREMENT.	
REVISION:	Add the following Subsection:	
	213.04.24 Clean Temporary Silt Ditch. The Department will measure the quantity in linear feet along the ditch line.	
SUBSECTION:	213.05 PAYMENT.	
REVISION:	Add the following lines:	
	20594 Temporary Silt Ditch	Linear Foot
	20601 Clean Temporary Silt Ditch	Linear Foot
SUBSECTION:	303.03.01 Mixture	
PART:	C) Cement Treated Mixture.	
REVISION:	Delete the "For asphalt pavements" from the second paragraph.	
SUBSECTION:	303.03.01 Mixture	
PART:	C) Cement Treated Mixture.	
REVISION:	Delete requirement "2".	
SUBSECTION:	402.03.02 Acceptance.	
PART:	D) Testing Responsibilities.	
NUMBER:	4) Density.	
REVISION:	Replace the first sentence of the third paragraph with the following:	
	For surface mixtures placed on driving lanes and ramps, furnish 2 cores per subplot to the nearest laboratory facility (Contractor or Department lab) for density determination by the Engineer.	
SUBSECTION:	402.03.02 Acceptance.	
PART:	H) Unsatisfactory Work.	
NUMBER:	1) Based on Lab Data.	
REVISION:	Replace the "AASHTO MP2" references in the second paragraph with "AASHTO M 323".	
SUBSECTION:	402.04 MEASUREMENT.	
REVISION:	Replace the last sentence with the following:	
	The Department will not measure construction of rolled rumble strips or pavement wedge texturing for payment and will consider them incidental to the asphalt mixture.	
SUBSECTION:	402.04.01 Weight.	
REVISION:	Replace first sentence of the second paragraph with the following:	
	The Department will determine the bulk, oven-dry specific gravity for the fine and coarse aggregates according to KM64-605 and AASHTO T 85, respectively.	

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SUBSECTION:	402.04.02 Thickness on New Construction.												
REVISION:	Delete the third paragraph and add the following at the end of the subsection: The Department will not measure initial thickness check coring or coring of corrective work for payment and will consider it incidental to the asphalt mixture.												
SUBSECTION:	402.05.02												
PARTS:	Lot Pay Adjustment Schedule, Compaction Option A, Base and Binder Mixtures Lot Pay Adjustment Schedule, Compaction Option A, Surface Mixtures Lot Pay Adjustment Schedule, Compaction Option B Mixtures												
REVISION:	Replace the VMA table with the following:												
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2">VMA</th> </tr> <tr> <th>Pay Value</th> <th>Deviation From Minimum</th> </tr> </thead> <tbody> <tr> <td align="center">1.00</td> <td align="center">≤ 0.5 below min. VMA</td> </tr> <tr> <td align="center">0.95</td> <td align="center">0.6-1.0 below min.</td> </tr> <tr> <td align="center">0.90⁽²⁾</td> <td align="center">1.1-1.5 below min.</td> </tr> <tr> <td align="center">⁽¹⁾⁽²⁾</td> <td align="center">> 1.5 below min.</td> </tr> </tbody> </table>		VMA		Pay Value	Deviation From Minimum	1.00	≤ 0.5 below min. VMA	0.95	0.6-1.0 below min.	0.90 ⁽²⁾	1.1-1.5 below min.	⁽¹⁾⁽²⁾	> 1.5 below min.
VMA													
Pay Value	Deviation From Minimum												
1.00	≤ 0.5 below min. VMA												
0.95	0.6-1.0 below min.												
0.90 ⁽²⁾	1.1-1.5 below min.												
⁽¹⁾⁽²⁾	> 1.5 below min.												
SUBSECTION:	403.03.03 Preparation of Mixture.												
PART:	A) Mixture Composition.												
REVISION:	Replace the “AASHTO MP2” reference in the first paragraph with “AASHTO M 323”. From the aggregate requirements list, delete 3) Type C.												
SUBSECTION:	403.03.03 Preparation of Mixture.												
PART:	C) Mix Design Criteria.												
REVISION:	Replace the “AASHTO MP2” references with “AASHTO M 323”. Replace the “AASHTO PP28” references in the second paragraph with “AASHTO R 35”.												
SUBSECTION:	403.03.03 Preparation of Mixture.												
PART:	C) Mix Design Criteria.												
NUMBER	1) Preliminary Mix Design.												
REVISION:	Add the following footnote to the table and associate it with the ESAL’s field “<0.3”: * For CL1 ASPH SURF 0.38D PG64-22 only.												
SUBSECTION:	403.03.06 Thickness Tolerances.												
PART:	B) New Construction.												
REVISION:	Replace the first paragraph with the following: Under the Engineer’s supervision, perform coring for thickness checks according to KM 64-420, as soon as practical after completion of all, or a major portion, of the asphalt base. The Engineer will measure the cores. Fill all core holes either with compacted asphalt mixture or non-shrink grout. Complete all remedial overlay work before placing the final course.												

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SUBSECTION: 403.03.08 Rumble Strips.
REVISION: Replace with the following:

403.03.08 Shoulder Rumble Strips and Pavement Wedge Texturing.

A) Shoulder Rumble Strips.

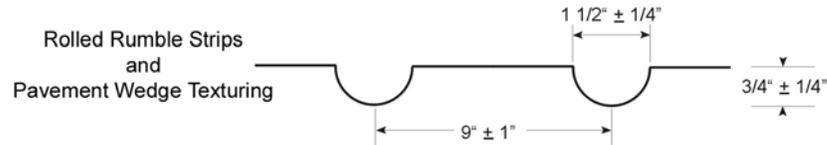
1) Interstates and Parkways. Construct sawed rumble strips on all mainline shoulders to the dimensions shown below. Do not place rumble strips on ramps.

2) Other Roads. Construct rolled rumble strips on shoulders of facilities with posted speed limits greater than 45 MPH. Unless specified in the plans or directed by the Engineer, do not construct rumble strips on facilities with posted speed limits of 45 MPH or less.

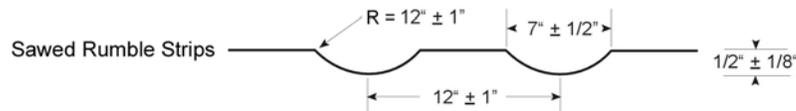
Construct rolled rumble strips on mainline shoulders to the dimensions shown below. On shoulders less than 3 feet wide, shorten the width and distance of the strips as the Engineer directs. Time the rolling operation so indentations are at the specified size and depth without causing unacceptable displacement of the asphalt mat. Correct unacceptable rolled rumble strips by sawing.

B) Pavement Wedge Texturing. Perform texturing on all pavement wedges constructed monolithically with the mainline or constructed using a surface mixture. When furnishing Asphalt Mixture for Pavement Wedge, binder, or a base mixture for the wedge, the Department will not require texturing.

Texture to the dimensions shown below. On wedges less than 3 feet, shorten the length and distance of the texturing as the Engineer directs. Time the rolling operation so indentations are at the specified size and depth without causing unacceptable displacement of the asphalt mat.



Place one foot out from the mainline pavement and to a width of 2 feet.



Place one foot out from the mainline pavement and to a width of 16 inches.

SUBSECTION: 403.04.03 Asphalt Mixtures.
REVISION: Replace the second sentence with the following:

The Department will not measure rolled rumble strips or pavement wedge texturing for payment and will consider them incidental to this bid item.

SUBSECTION: 403.04.07 Sawed Rumble Strips.
REVISION: Add the following subsection:

403.04.07 Sawed Rumble Strips. The Department will measure the quantity in linear feet. When rolled in rumble strips are specified, the Department will not measure sawed rumble strips for payment and will consider them incidental to the asphalt mixture.

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SUBSECTION:	403.05 PAYMENT						
REVISION:	Add the following bid item:						
	<table border="0"> <thead> <tr> <th align="left"><u>Code</u></th> <th align="left"><u>Pay Item</u></th> <th align="left"><u>Pay Unit</u></th> </tr> </thead> <tbody> <tr> <td>20362</td> <td>Shoulder Rumble Strips – Sawed</td> <td>Linear Foot</td> </tr> </tbody> </table>	<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>	20362	Shoulder Rumble Strips – Sawed	Linear Foot
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>					
20362	Shoulder Rumble Strips – Sawed	Linear Foot					
SUBSECTION:	501.03.20 Opening to Public Traffic.						
REVISION:	Delete the last sentence of the first paragraph.						
SUBSECTION:	501.03.21 Tolerance in Pavement Thickness.						
REVISION:	Add the following: Core the pavement as the Engineer directs.						
SUBSECTION:	501.04.06 Thickness.						
REVISION:	Add the following: The Department will not measure coring for payment and will consider it incidental to the concrete pay items.						
SUBSECTION:	502.03 CONSTRUCTION.						
PART:	C) Curing and Protecting Pavement.						
NUMBER:	3)						
REVISION:	Replace the last sentence with the following: The Department will allow permanent removal of the cover when the concrete attains the required opening strength of 3,000 psi.						
SUBSECTION:	502.03 CONSTRUCTION.						
PART:	D) Strength Testing and Opening to Traffic.						
NUMBER:	2) Testing.						
REVISION:	Replace the second paragraph with the following: When the average compressive strength is 3,000 psi, the Department will allow the pavement to be opened to traffic and will test the remaining sets of cylinders at the required age. When the average compressive strength is less than 3,000 psi at the required age, do not open the pavement to traffic until the pavement has been in place for 7 days. The Engineer may accept the pavement based on additional testing.						
SUBSECTION:	503.03.09 Ride Quality.						
REVISION:	Replace parts 5) and 6) with the following: 5) Perform corrective work to achieve the required IRI by regrinding the entire width of the traffic lane at areas having a high IRI. The Engineer may exclude pavement areas where grinding alone will not correct deficiency. 6) The Department will create a strip chart when the test results show that the IRI is greater than 60 or upon request for lower IRI values.						
SUBSECTION:	601.03.02 Concrete Producer Responsibilities.						
REVISION:	Replace the first sentence with the following: Use a concrete producer from the List of Approved Materials when the quantity of concrete delivered to the project in a plastic condition is 250 cubic yards or more. Ensure that the concrete producer complies with the following requirements:						

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<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: C) Quality Control. REVISION: Replace the first paragraph with the following:</p>	<p>Take full responsibility for the batch weight calculations and quality control of concrete mixtures at the plant. Ensure that the Level II concrete technician is present when work is in progress and is responsible for inspecting trucks, batch weight calculations, monitoring batching, making mixture adjustments, reviewing the slump, air content and unit weight tests, and monitoring the concrete temperature, all to provide concrete to the project conforming to specifications. A Level I concrete technician is responsible for testing production material for slump, entrained air, unit weight and temperature of the mixture. Ensure the technician performs all sampling and testing according to the appropriate Kentucky Methods.</p> <p>Delete the third paragraph.</p>
<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: F) Records. REVISION: Retain all concrete technician records, test results and batch tickets pertaining to concrete produced for a Department project for at least 3 years after formal acceptance of the project. Make all records available to the Engineer and the Contractor on the project for review upon request.</p>	
<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: G) Mix Designs. REVISION: Replace the last sentence of the first paragraph with the following:</p>	<p>Before producing any concrete for the project, submit a proposed mixture design to the Engineer and obtain the District Materials engineer's or the Central Office Material's approval.</p>
<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: G) Mix Designs. NUMBER: 1) New Mixture Designs. REVISION: Replace the first sentence with the following:</p>	<p>Base the proposed mix design on standard Department methods unless the District Materials Engineer, or Central Office Materials approves otherwise.</p>
<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: G) Mix Designs. NUMBER: 1) Changes in Approved Mix Designs. REVISION: Replace the second sentence with the following:</p>	<p>The District Materials Engineer or Central Office Materials will provide an average value of the specific gravity aggregate absorption.</p>
<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: G) Mix Designs. NUMBER: 3) Changes in Approved Mix Designs. LETTER: g) REVISION: Replace the fourth and fifth sentence with the following:</p>	<p>Central Office Materials will observe all phases of the trial batches. Have the producer submit a report containing mix proportions and test results for slump, air content, water/cement ratio, unit weight, and compressive strength for each trial batch to the Engineer for Central Office Materials review and approval.</p>
<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: G) Mix Designs. NUMBER: 2) Approval. REVISION: Replace the first sentence with the following:</p>	<p>The District Materials Engineer or Central Office Materials will base approval of the mixture design on the following criteria:</p>

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<p>SUBSECTION: 601.03.02 Concrete Producer Responsibilities. PART: G) Mix Designs. NUMBER: 3) Changes in Approved Mix Designs. REVISION: Replace the first sentence with the following:</p> <p>Do not change the source of supply of the mixture ingredients without the District Materials Engineer's or Central Office Materials written permission.</p> <p>Replace the third sentence with the following:</p> <p>Upon the District Materials Engineer's or Central Office Materials written approval, the Department will allow the use of aggregate from the new source.</p>
<p>SUBSECTION: 601.03.03 Proportioning and Requirements. PART: A) Concrete. TABLE: INGREDIENT PROPORTIONS AND REQUIREMENTS FOR VARIOUS CLASSES OF CONCRETE REVISION: Under Class of Concrete replace "AAA⁽⁹⁾" with "AAA⁽⁸⁾"</p>
<p>SUBSECTION: 601.03.03 Proportioning and Requirements. PART: A) Concrete. FOOTNOTE: (6) REVISION: Add the following after the first sentence of the first paragraph:</p> <p>For products with voids, the slump may be increased to 7 inches.</p> <p>Replace the "0.3" requirement for Spring and Fall mix designs with "0.37".</p>
<p>SUBSECTION: 601.03.03 Proportioning and Requirements. PART: A) Concrete. FOOTNOTE: (7) REVISION: Replace with the following:</p> <p>The precast fabricator may increase the slump of Class A concrete to a maximum of 7 inches provided the fabricator uses a high range water reducer (Type F and G) and maximum water/cement ratio of 0.46.</p>
<p>SUBSECTION: 601.03.03 Proportioning and Requirements. PART: E) Measuring. NUMBER: 3) Water. REVISION: Delete the last sentence of the second paragraph.</p>
<p>SUBSECTION: 601.03.03 Proportioning and Requirements. PART: E) Measuring. NUMBER: 4) Measuring Admixtures. REVISION: Replace with the following:</p> <p>4) Measuring Admixtures. Introduce liquid admixtures into the concrete batch along with, or as part of, the mixing water. Keep air-entraining admixtures completely separate from all other admixtures until introduction into the batch. Maintain and equip dispensing equipment to ensure no chlorides are introduced into any Department mix.</p> <p>Use approved dispensing equipment with a meter, gauge, or scale that can accurately be pre-set for the needed amount of admixture and can consistently deliver quantities of admixture to successive batches at any setting with satisfactory accuracy. The dispensing equipment must be visible to the batch operator if the actual dispensed amounts are not recorded on the computer batch ticket. Ensure admixture dispensers are inspected, calibrated and certified every 6 months.</p> <p>The Department may allow admixtures to be added, to the truck, at the project site provided the Engineer's approval is obtained first.</p>

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SUBSECTION:	601.03.04 Classes and Primary Uses.
REVISION:	Add the following part: R) Dry Cast. Precast units.
SUBSECTION:	601.03.05 Admixtures.
REVISION:	Replace the last sentence of the fourth paragraph with the following: Store admixtures where the liquid temperatures can be maintained between 32 and 110 °F.
SUBSECTION:	601.03.09 Placing Concrete.
PART:	D) Weather Limitations and Protection.
REVISION:	Delete the last sentence of paragraph two.
SUBSECTION:	605.03 CONSTRUCTION.
REVISION:	Insert the following sentence after the first sentence: Ensure all non-composite box beam concrete contains an approved corrosion inhibitor from the List of Approved Materials.
SUBSECTION:	605.03.03 Casting.
REVISION:	Delete the first sentence in the first paragraph. Add the following after the first sentence of the third paragraph: Do not vibrate Self-Consolidating Concrete (SCC).
SUBSECTION:	605.03.04 Tack welding.
REVISION:	Replace the first sentence with the following: When tack welding steel reinforcement, use ASTM A 706 steel and conform to the following conditions.
SUBSECTION:	605.03.04 Tack Welding.
NUMBER:	3)
REVISION:	Replace the first sentence with the following: Tack weld only at intersections of bars except do not tack weld in any bend or within 2 bar diameters of a bend.
SUBSECTION:	605.03.04 Tack Welding.
NUMBER:	5)
REVISION:	Replace the last sentence with the following: Each sample must meet the minimum requirement for elongation, ductility, tensile and yield strength of the bar stock.
SUBSECTION:	605.03.04 Tack Welding.
NUMBER:	6)
REVISION:	Delete the last sentence.
SUBSECTION:	605.03.04 Tack Welding.
REVISION:	Change footnote “(4) (d)” to “(5)”
SUBSECTION:	605.03.07 Removal of Forms and Surface Finish.
REVISION:	Add the following sentence before the last sentence of the paragraph: Finish dry cast products according to the Precast/Prestressed Concrete Manual.
SUBSECTION:	611.02.01 Concrete.
REVISION:	Replace with the following: Conform to Subsections 601.02 and 601.03 and the Precast/Prestress Concrete Manual.
SUBSECTION:	611.03.02 Precast Unit Construction.
REVISION:	Replace “AASHTO C 1433” with “ASTM C 1433”

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<p>SUBSECTION: 611.03.02 Precast Unit Construction. NUMBER: 2) REVISION: Replace with the paragraph with the following:</p> <p>Mark all box culverts sections with the following information on the inside top of each section with letters no less than 2 inches high:</p> <ul style="list-style-type: none">a) Span, rise, maximum and minimum design earth cover, and KY Table 3.b) Date of manufacture.c) Name and trademark of the manufacturer. <p>For entrance and exit box sections, indent the required information. Mark interior sections by indenting or with waterproof paint.</p>
<p>SUBSECTION: 701.02.05 Backfill Materials. PART: A) Granular Backfill. NUMBER: 1) REVISION: Remove "A2" from the list of acceptable materials.</p>
<p>SUBSECTION: 701.03.03 Pipe Bedding. REVISION: Replace with the following:</p> <p>701.03.03 Pipe Bedding.</p> <p>A) Reinforced Concrete Pipe. Construct bedding according to the Standard Drawings and this section.</p> <ul style="list-style-type: none">1) Type 1 Installation. When working on a rock foundation, place bedding to a depth of 6 inches or equal to $Bc/12$, the pipe diameter in inches divided by 12, whichever is greater. For all other foundations, place a minimum of 4 inches of bedding. Shape the bedding to conform to the invert shape throughout the entire width and length of the proposed structure. Compact the bedding, but leave the center third of the pipe diameter ($Bc/3$) uncompacted. Place and compact additional bedding material in lifts 6 inches or less to an elevation of 0.30 the culvert diameter.2) Type 4 Installation. When working on a rock foundation, place bedding to a depth of 6 inches or equal to $Bc/12$, the pipe diameter in inches divided by 12, whichever is greater. For all other foundations, place a minimum of 4 inches of bedding. <p>B) Corrugated Metal, Thermoplastic, and Structural Plate Pipe. Place and compact bedding to provide 4 inches of bedding below the outside invert of the pipe after shaping. Shape the bedding to conform to the invert shape throughout the entire width and length of the proposed structure. Place and compact additional bedding material in lifts 6 inches or less to an elevation of 0.30 the culvert diameter.</p>
<p>SUBSECTION: 701.03.06 Initial Backfill. PART: A) Reinforced Concrete REVISION: Replace with the following:</p> <p>A) Reinforced Concrete Pipe.</p> <ul style="list-style-type: none">1) Type 1 Installation. When the top of the pipe is not within one pipe diameter of the subgrade, backfill with granular backfill, additional bedding material, or flowable fill from the top of the bedding to an elevation equal to 1/2 the pipe diameter, and either granular backfill, flowable fill, or embankment material in 6-inch lifts to an elevation of one-foot above the pipe.2) Type 4 Installation. Backfill from the top of the bedding with granular backfill, flowable fill, or embankment material in 6-inch lifts to an elevation of one-foot above the pipe. The Department will allow Type 4 installations for median drains and pipe installations located 35 feet or more from the edge of shoulder, back of curb, or any paved surface.

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SUBSECTION:	701.05 PAYMENT.
REVISION:	Replace bid item “2599 Fabric-Geotextile, Type IV Square Yard” with “21433ES214 Fabric-Geotextile, Type IV for Pipe Square Yard ⁽²⁾ ”
	Replace foot note “** The unit bid price is \$2.00 per square yard for Geotextile Fabric, Type III” with “ ⁽²⁾ The unit price is \$2.00 per square yard for Fabric-Geotextile, Type IV for Pipe”
SUBSECTION:	710.02.15 Plastic Adjusting Rings.
REVISION:	Replace this section with:
	710.02.15 Plastic or Rubber Adjusting Rings. Provide plastic or rubber adjusting rings that are on the Department’s List of Approved Materials.
SUBSECTION:	710.03.03 Adjusted Small Drainage Structures.
REVISION:	Replace the last sentence of the first paragraph:
	For plastic or rubber adjusting rings, install and seal according to the manufacturer’s recommendations.
SUBSECTION:	711.02 MATERIALS.
REVISION:	Replace with the following:
	Conform to the Contract requirements.
SUBSECTION:	713.03 CONSTRUCTION.
REVISION:	Add the following after the third paragraph:
	Offset longitudinal lines at least 2 inches from longitudinal pavement construction joints. Offset longitudinal lane lines on multi-lane highways 2 inches towards the median.
SUBSECTION:	714.03.06 Proving Period for Durable Markings.
PART:	B) Failure.
REVISION:	Replace the first sentence with the following:
	During the proving period, the Department will consider markings defective when the retroreflectivity falls below the minimum required or the material fails to meet the other requirements of A) above. Additionally, when more than 10 percent of any one-mile section or individual gore area is defective, the Department will consider the entire section defective.
SUBSECTION:	716.03.08 Testing.
REVISION:	Replace “10 megohms” with “100 megohms”
SUBSECTION:	721.03 CONSTRUCTION.
REVISION:	Replace the third paragraph with the following:
	Install fence 18 inches inside the right-of-way line or in other locations specifically indicated.
SUBSECTION:	723.03 CONSTRUCTION.
REVISION:	Replace the first sentence of the fourth paragraph with the following:
	Set right-of-way markers within 12 inches of the right-of-way line.
SUBSECTION:	724.02.01 Plants.
REVISION:	Replace the reference “American Association of Nurserymen” with “American Nursery and Landscape Association”.
SUBSECTION:	801.01 REQUIREMENTS.
REVISION:	Add the following sentence after the third sentence of the first paragraph:
	Mills must request and be approved by the Department to supply cement with an SO ₃ content above the value in Table 1 of ASTM C 150.
SUBSECTION:	804.01.03 Conglomerate Sand.
REVISION:	Replace second sentence of the paragraph with the following:
	Conglomerate sand may include some material which has been produced by crushing larger pieces of the parent material.

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SUBSECTION:	804.02 Approval.
REVISION:	Replace first sentence of the second paragraph with the following: The Department will consider a source for inclusion on the Aggregate Source List when the aggregate producer complies with KM 64-608 and provides the following:
SUBSECTION:	804.03 Concrete.
REVISION:	Second sentence in first paragraph should be a separate paragraph immediately following the first and should read as follows: Provide natural, crushed, or conglomerate sand. The Department will allow any combination of natural, crushed, or conglomerate sand when the combination is achieved in the concrete plant weigh hopper. The Engineer may allow other sands. Use natural or conglomerate sands as fine aggregates in concrete intended as a wearing surface for traffic. Conform to the following:
SUBSECTION:	804.04.03 Polish-Resistant Aggregate.
REVISION:	Add the following paragraph: Provide a signed certification from the aggregate producer for the manufactured polish-resistant fine aggregate stating that the aggregate is supplied from the approved parent material as found on the Department's List of Approved Materials, Polish-Resistant Aggregate Source List and Guidelines on the Division of Materials' webpage.
SUBSECTION:	804.04.04 Requirements for Combined Aggregates.
PART:	D) Absorption.
REVISION:	Delete the first sentence and replace the second sentence with the following: Provide total combined fine aggregates having a water absorption of no more than 4.0 percent.
SUBSECTION:	804.11 Sampling and Testing.
REVISION:	For Absorption (Fine Aggregate), replace method "AASHTO T 84" with "KM 64-605"
SUBSECTION:	805.02 Approval.
REVISION:	Replace first sentence of the second paragraph with the following: The Department will consider a source for inclusion on the Aggregate Source List when the aggregate producer complies with KM 64-608 and provides the following:
SUBSECTION:	805.04.01 JPC Base, JPC Pavement, JPC Shoulders, and Concrete for Bridge Decks.
REVISION:	Replace the subsection heading and first sentence with the following: 805.04.01 JPC Base, JPC Pavement, JPC Shoulders, Concrete for Bridge Decks, and Precast Products. Add the following paragraph: Provide a signed certification from the aggregate producer for the approved freeze-thaw coarse aggregate stating that the aggregate is supplied from the approved parent material as found on the Department's List of Approved Materials and Concrete Aggregate Restriction List.
SUBSECTION:	805.04.01 JPC Base, JPC Shoulders, and Concrete for Bridge Decks.
PART:	3)
REVISION:	Replace the "tests" with "test" in the last sentence.
SUBSECTION:	805.05.05 Polish-Resistant Aggregate.
REVISION:	Add the following paragraph: Provide a signed certification from the aggregate producer for the manufactured polish-resistant coarse aggregate stating that the aggregate is supplied from the approved parent material as found on the Department's List of Approved Materials, Polish-Resistant Aggregate Source List and Guidelines on the Division of Materials' webpage.

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SUBSECTION: REVISION:	805.13.01 Cyclopean Stone Riprap and Channel Lining Class III. Replace the subsection with the following: 805.13.01 Cyclopean Stone Riprap and/or Channel Lining Class III. Provide material meeting the general requirements of Section 805. Ensure that 100 percent passes through a square opening of 16 inches by 16 inches, and no more than 20 percent passes through square openings of 8 inches by 8 inches. The Department may allow stones of smaller sizes for filling voids in the upper surface and dressing to the proper slope.
SUBSECTION: TEST: REVISION:	806.03.01 General Requirements. Dynamic Shear Replace the 100% pay range "5,000-5,500" with "0-5,500"
SUBSECTION: REVISION:	806.03.03 Modification. Replace the first sentence with the following: Use only styrene-butadiene (SB) or styrene-butadiene-styrene (SBS) modifiers.
SUBSECTION: REVISION:	810.02 APPROVAL. Replace reference "KM 114" with "KM 115".
SUBSECTION: REVISION:	810.03.06 Identification and Markings. Delete the following text from the first paragraph: "When the manufacturer has more than one plant, include the plant letter assigned by the Division of Materials after the date of manufacture as follows: L-Louisville N-London" Delete the following paragraph: "The Department will not require the certification on the shipment approval form to be notarized. The Department will not require the information under "Pipe Data" on the approval form when the manufacture's shipment ticket is attached and contains the necessary information."
SUBSECTION: REVISION:	811.02.01 Requirements. Replace the subsection with the following: Furnish bar reinforcement for bridges, cast-in-place culverts, and cast-in-place retaining walls that conforms to ASTM A 615 (billet) or ASTM A 996 (rail). ASTM A 706 steel is acceptable with prior approval of the Division of Materials. Do not weld any steel bar reinforcement unless it is ASTM A 706 rebar. The Engineer will accept rail steel bar reinforcement in straight lengths only. Do not use rail steel reinforcement where field bending is allowed or required.
SUBSECTION: REVISION:	811.09.02 Dowel Bars. Replace the reference to "ASTM A 616" with "ASTM A 996" Insert the following sentence between the third and fourth sentence of the first paragraph: Broken or sheared ends are acceptable with prior approval of the Division of Materials.
SUBSECTION: REVISION:	811.06 BAR MATS. Replace the subsection with the following: Conform to ASTM A 184 and fabricate by welding deformed Grade 60 weldable bars.
SUBSECTION: REVISION:	811.09.02 Dowel Bars. Replace the first paragraph with the following: Furnish dowel bars that are plain round bars conforming to ASTM A 706, A 615, A 996, or A 617 with respect to mechanical properties only. Provide either Grade 40, 50 or 60 steel. Saw cut the free ends of the dowels and ensure that they are free of burrs or projections. Broken or sheared ends are acceptable with prior approval of the Division of Materials. Coat dowel bars according to AASHTO M 254 with the following exceptions for Type B coatings:

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SUBSECTION:	811.10.02 Epoxy Coating Material.																												
REVISION:	Replace both the reference to “ASTM D 3963 Annex” and “ASTM D 3963” with “AASHTO M 284”.																												
SUBSECTION:	812.01.02 Hot-Rolled Carbon Steel Sheets and Strip of Structural Quality, Grade 33 (Corrugated Steel Plank for Bridge Floors).																												
REVISION:	Replace the reference to “ASTM A 570” with “ASTM A 1011”																												
SUBSECTION:	827.04 SEED.																												
REVISION:	Replace with the following: 827.04 SEED. Conform to the requirements outlined in the “Kentucky Seed Law and Provisions for Seed Certification in Kentucky” and the “Regulations under the Kentucky Seed Law”, with following exceptions: <ol style="list-style-type: none"> 1) Obtain seed only through registered dealers that are permitted for labeling of seed. 2) Ensure all deliveries and shipments of premixed seed are accompanied with a master blend sheet. 3) Ensure all bags and containers have an acceptable seed tag attached. 4) The Department may sample the seed at the job site at any time. <p>Do not use seed (grasses, native grasses, and legumes) if the weed seed is over one percent, total germination (including hard seed) is less than 80 percent, if the seed test date is over 9 months old exclusive of the month tested, or if the limits of noxious weed seed is exceeded.</p> <p>Ensure that noxious weed seeds contained in any seed or seed mixture does not exceed the maximum permitted rate of occurrence per pound.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Name of Kind</u></th> <th style="text-align: right;"><u>Max. No. Seeds (per pound)*</u></th> </tr> </thead> <tbody> <tr> <td>Balloon Vine (<i>Cardiospermum halicacabum</i>)</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Purple Moonflower (<i>Ipomoea turbinata</i>)</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Canada Thistle (<i>Cirsium Arvense</i>)</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Johnsongrass (<i>Sorghum halepense</i> and <i>Sorghum almum</i> and perennial rhizomatous derivatives of these species)</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Quackgrass (<i>Elytrigia Repens</i>)</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Annual Bluegrass (<i>Poa annua</i>)</td> <td style="text-align: right;">120</td> </tr> <tr> <td>Buckhorn Plantain (<i>Plantago lanceolata</i>)</td> <td style="text-align: right;">120</td> </tr> <tr> <td>Corncockle (<i>Agrostemma githago</i>)</td> <td style="text-align: right;">18</td> </tr> <tr> <td>Dodder (<i>Cuscuta</i> spp.)</td> <td style="text-align: right;">18</td> </tr> <tr> <td>Giant Foxtail (<i>Setaria faberii</i>)</td> <td style="text-align: right;">18</td> </tr> <tr> <td>Oxeye Daisy (<i>Chrysanthemum leucanthemum</i>)</td> <td style="text-align: right;">120</td> </tr> <tr> <td>Sorrel (<i>Rumex acetosella</i>)</td> <td style="text-align: right;">120</td> </tr> <tr> <td>Wild Onion and Wild Garlic (<i>Allium</i> spp.)</td> <td style="text-align: right;">18</td> </tr> </tbody> </table> <p>* Seed or seed mixtures that contain in excess of 120 total noxious seeds per pound is prohibited</p> <p>Wildflower seed shall not be planted until approved by the MCL.</p>	<u>Name of Kind</u>	<u>Max. No. Seeds (per pound)*</u>	Balloon Vine (<i>Cardiospermum halicacabum</i>)	0	Purple Moonflower (<i>Ipomoea turbinata</i>)	0	Canada Thistle (<i>Cirsium Arvense</i>)	0	Johnsongrass (<i>Sorghum halepense</i> and <i>Sorghum almum</i> and perennial rhizomatous derivatives of these species)	0	Quackgrass (<i>Elytrigia Repens</i>)	0	Annual Bluegrass (<i>Poa annua</i>)	120	Buckhorn Plantain (<i>Plantago lanceolata</i>)	120	Corncockle (<i>Agrostemma githago</i>)	18	Dodder (<i>Cuscuta</i> spp.)	18	Giant Foxtail (<i>Setaria faberii</i>)	18	Oxeye Daisy (<i>Chrysanthemum leucanthemum</i>)	120	Sorrel (<i>Rumex acetosella</i>)	120	Wild Onion and Wild Garlic (<i>Allium</i> spp.)	18
<u>Name of Kind</u>	<u>Max. No. Seeds (per pound)*</u>																												
Balloon Vine (<i>Cardiospermum halicacabum</i>)	0																												
Purple Moonflower (<i>Ipomoea turbinata</i>)	0																												
Canada Thistle (<i>Cirsium Arvense</i>)	0																												
Johnsongrass (<i>Sorghum halepense</i> and <i>Sorghum almum</i> and perennial rhizomatous derivatives of these species)	0																												
Quackgrass (<i>Elytrigia Repens</i>)	0																												
Annual Bluegrass (<i>Poa annua</i>)	120																												
Buckhorn Plantain (<i>Plantago lanceolata</i>)	120																												
Corncockle (<i>Agrostemma githago</i>)	18																												
Dodder (<i>Cuscuta</i> spp.)	18																												
Giant Foxtail (<i>Setaria faberii</i>)	18																												
Oxeye Daisy (<i>Chrysanthemum leucanthemum</i>)	120																												
Sorrel (<i>Rumex acetosella</i>)	120																												
Wild Onion and Wild Garlic (<i>Allium</i> spp.)	18																												

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2004 Edition**
(Effective with the May 25, 2007 Letting)

REQUIREMENTS FOR SEEDS			
	Purity (Min. %)	Germination (Min. %) Including Hard Seed and Dormant Seed	Hard Seed (Max. %) Allowed in Germination
Grasses			
Bentgrass (<i>Argrostis palustris</i>)	98	85	-
Bermudagrass, common (<i>Cynodon dactylon</i>)	97	85	-
Bluegrass, Kentucky (<i>Poa pratensis</i>)	98	85	-
Brome, smooth (<i>Bromus inermis</i>)	95	80	-
Canarygrass, reed (<i>Phalaris arundinacea</i>)	95	80	-
Fescue, chewings (<i>Festuca rubra</i> var. <i>commutata</i>)	97	85	-
Fescue, hard (<i>Festuca trachyphlla</i>)	97	85	-
Fescue, meadow (<i>Festuca elatior</i>)	97	85	-
Fescue, red (<i>Festuca rubra</i>)	97	85	-
Fescue, tall (<i>Festuca arundinacca</i>)	97	85	-
Orchardgrass (<i>Dactylis glomerata</i>)	97	85	-
Redtop (<i>Agrostis alba</i>)	95	80	-
Ryegrass, annual, common or Italian (<i>Lotium multiflorum</i>)	97	85	-
Ryegrass, perennial (<i>Lolium perenne</i>)	97	85	-
Lovegrass, Weeping (<i>Eragrostic curvula</i>)	96	80	-
Oat (<i>Avena Sativa</i>)	98	85	-
Rye (<i>Secale cereale</i>)	98	85	-
Timothy (<i>Phleum pratense</i>)	98	85	-
Wheat, common (<i>Triticum aestivum</i>)	98	85	-
Legumes			
Alfalfa (<i>Medicago sativa</i>)	98	85	25
Clover, alsike (<i>Trifolium hybridum</i>)	97	85	25
Clover, ladino (<i>Trifolium repens</i>)	98	85	25
Clover, white (<i>Trifolium repens</i>)	98	85	25
Crownvetch (<i>Coronilla varia</i>)	97	85	25
Lespedeza, Korean (<i>Lespedeza stipulacea</i>)	97	85	20
Lespedeza, Sericea (<i>Lespedeza cuneata</i>)	97	85	20
Sweetclover, white (<i>Melilotus alba</i>)	98	85	25
Sweetclover, yellow (<i>Melilotus officinalis</i>)	98	85	25
Trefoil, birdsfoot (<i>Lotus corniculatus</i>)	97	85	25
Native Grasses			
Little Bluestem (<i>Schizachyrium scoparium</i>)	85	80	-
Big Blustem (<i>Andropogon gerardii</i>)	85	80	-
Indian Grass (<i>Sorghastrum nutans</i>)	85	80	-
Switchgrass (<i>Panicum virgatum</i>)	85	80	-

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2004 Edition**
(Effective with the May 25, 2007 Letting)

<p>SUBSECTION: 827.07 EROSION CONTROL BLANKET. REVISION: Replace the subsection with the following:</p> <p>827.07 EROSION CONTROL BLANKET. Use a blanket from the Department's List of Approved Materials. Blankets must be machine constructed with two-sided netting filled with curled wood fiber mat, straw, or a straw and coconut fiber combination. Ensure the blanket is smolder resistant without the use of chemical additives.</p> <p>A) Dimensions. Furnish in strips either 4 or 8 feet wide and at least 50 feet long. B) Weight.</p> <p>1) Curled Wood Fiber. Ensure a minimum mass per unit area of 7.25 ounce per square yard according to ASTM D 6475. 2) Straw. Ensure a minimum mass per unit area of 7.5 ounce per square yard according to ASTM D 6475. 3) Straw/Coconut Fiber. Ensure a minimum mass per unit area of 6.75 pounds per square yard according to ASTM D 6475.</p> <p>C) Fill. Ensure the fill is evenly distributed throughout the blanket.</p> <p>1) Curled Wood Fiber. Use curled wood fiber of consistent thickness with at least 80 percent of its fibers 6 inches or longer in length. 2) Straw. Use only weed free agricultural straw. 3) Straw/Coconut Fiber. Conform to the straw requirements above and ensure the coconut fiber is evenly distributed throughout the blanket and accounts for 30% or more of the fill.</p> <p>D) Netting. Use photodegradable extruded plastic mesh or netting, with a maximum spacing width of one inch square, on both sides of the blanket. Secure the netting by stitching or other method to ensure the blanket retains its integrity. E) Staples. Use steel wire U-shaped staples with a minimum diameter of 0.09 inches (11 gauge), a minimum width of one inch, and a minimum length of 6 inches. Use a heavier gauge when working in rocky or clay soils and longer lengths in sandy soils. Provide staples with colored tops when requested by the Engineer. F) Performance.</p> <p>1) C-Factor. Ensure the ratio of soil loss from protected slope to ratio of soil loss from unprotected is ≤ 0.15 for a slope of 3:1 when tested according to ECTC method 2. 2) Shear Stress. Ensure the blanket can sustain a minimum shear stress of 1.75 pounds per square foot without physical damage or excess erosion (> 0.5 inches soil loss) when tested according to ECTC Method 3.</p>
<p>SUBSECTION: 828.02 APPROVAL. REVISION: Add the following:</p> <p>The Department will continue to include the masonry coatings on the list contingent upon receiving an annual certification containing the following information:</p> <p>1) A statement that the masonry coating to be furnished during the particular calendar year is of the same composition as that previously approved for inclusion on the approved list. 2) A statement that the masonry coating conforms to the appropriate requirements of the Kentucky Standard Specifications for Road and Bridge Construction. 3) A statement that notification will be made to the Division of Materials of any changes in composition for review and approval before furnishing the material to projects.</p>
<p>SUBSECTION: 843.01.02 Acceptance Procedures for Non-Specification Fabric. TABLE: GRAB STRENGTH PAYMENT REDUCTION REVISION: Add the following note:</p> <p>The Department will use the lowest value of MACHINE and CROSS for the reduction calculation.</p>

**Supplemental Specifications to The Standard Specifications
for Road and Bridge Construction, 2004 Edition**

(Effective with the May 25, 2007 Letting)

SUBSECTION: 844.02.01 Fly Ash. PART: 1) REVISION: Delete the last sentence.
SUBSECTION: 844.02.01 Fly Ash. REVISION: Replace the subsection with the following: 844.02.01 Fly Ash. Select from the Department's List of Approved Materials for fly ash sources. To be placed on the list, furnish samples and ASTM C 618 test data developed over the previous 3 months, and confirm to the requirements in KM 64-325.

STANDARD DRAWINGS THAT APPLY

CHANNEL LINING CLASS II AND III.....	RDD-040-04
TEMPORARY SILT FENCE.....	RDX-210-02
TEMPORARY SILT FENCE WITH WOVEN WIRE FENCE FABRIC	RDX-215
CURVE WIDENING AND SUPERELEVATION TRANSITIONS.....	RGS-001-06
MISCELLANEOUS STANDARDS PART 1	RGX-001-04
ONE POINT PROCTER FAMILY OF CURVES	RGX-200
APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT.....	RPM-110-04
NETTING	RRE-002-04
LANE CLOSURE TWO-LANE HIGHWAY CASE I	TTC-100
LANE CLOSURE TWO-LANE HIGHWAY CASE II	TTC-105
SHOULDER CLOSURE	TTC-135
MISCELLANEOUS TRAFFIC CONTROL DEVICES	TTD-100
MISCELLANEOUS TRAFFIC CONTROL DEVICES	TTD-105
POST SPLICING DETAIL	TTD-110
MOBILE OPERATION FOR PAINT STRIPING CASE I	TTS-100
MOBILE OPERATION FOR PAINT STRIPING CASE II	TTS-105

**STANDARD DRAWINGS
HEADWALL SUPPLEMENT THAT APPLY**

STEEL PIPE ARCH HEADWALLS - 0° SKEW (PIPE RISE 6'- 0" OR GREATER)
(LAYOUT AND STEEL PATTERN)..... RDH-405-02

STEEL PIPE ARCH HEADWALLS - 15° - 30° - 45° SKEW (PIPE RISE 6'- 0" OR GREATER)
(LAYOUT AND STEEL PATTERN)..... RDH-415-02

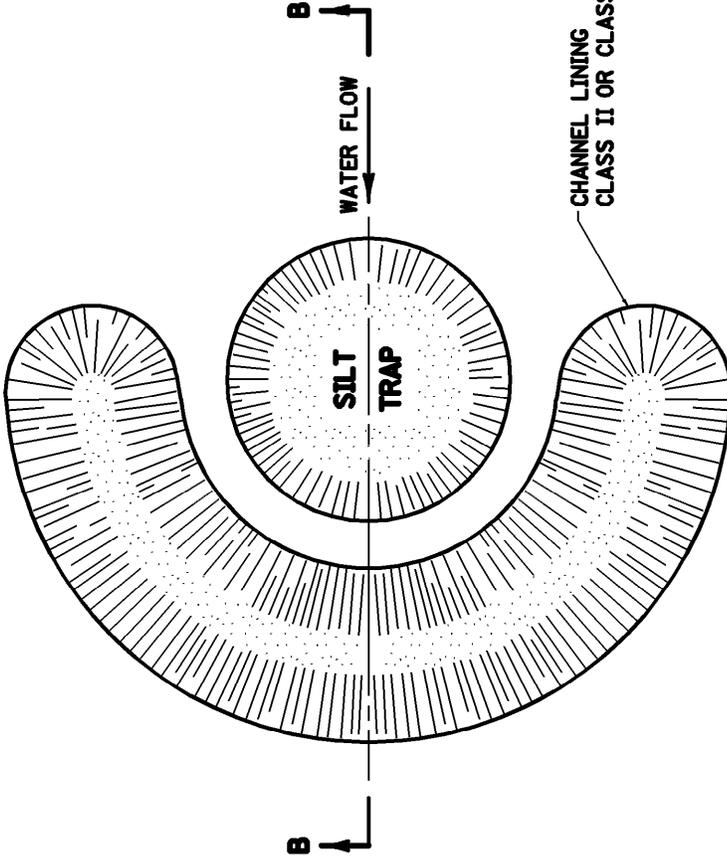
DIMENSIONS STEEL PIPE ARCHES - 0° SKEW AND 15° SKEW RDH-420-02

QUANTITIES FOR STEEL PIPE ARCHES - 0° - 15° - 30° AND 45° SKEW..... RDH-430-02

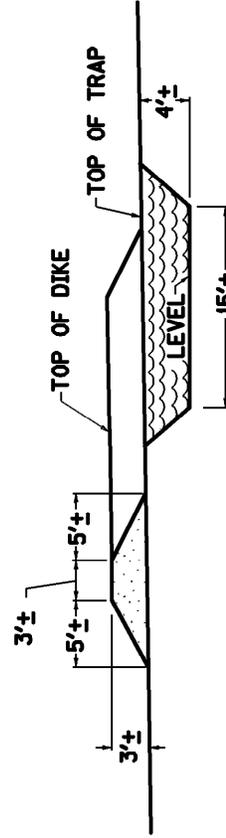
BILL OF REINFORCEMENT 7'- 0" X 5'-1" - 15'- 4" X 9'-3" STEEL PIPE ARCHES - 0° SKEW..... RDH-435-04

BILL OF REINFORCEMENT 15'- 4" X 9'- 3" STEEL PIPE ARCHES - 15° SKEWRDH-445-03

ALTERNATE NO. 2

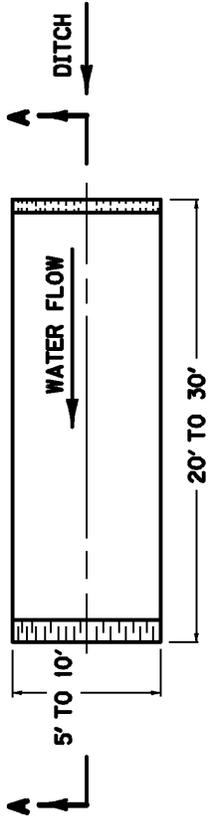


PLAN VIEW



SECTION B-B

ALTERNATE NO. 1



PLAN VIEW



SECTION A-A

~NOTES~

- BID ITEM AND UNIT TO BID:
- | | | |
|------|------------------------|----------|
| CODE | PAY ITEM | PAY UNIT |
| 2703 | SILT TRAP TYPE A | EACH |
| 2706 | CLEAN SILT TRAP TYPE A | EACH |

THE SIZE, SHAPE AND LOCATION OF TRAP MAY BE ADJUSTED FROM THAT SHOWN IN THE PLANS, AS DIRECTED BY THE ENGINEER.

THE SILT TRAP SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER TO MEET VOLUME REQUIREMENTS INDICATED ON THE PLANS.

MATERIAL REMOVED IN THE PROCESS OF CONSTRUCTING SILT TRAP TYPE A SHALL BE WASTED ON SITE AT NO ADDITIONAL COST.

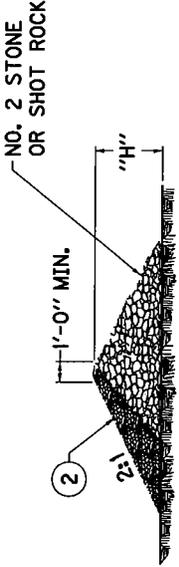
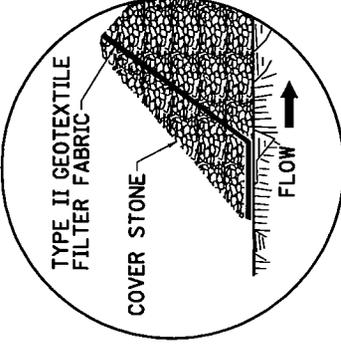
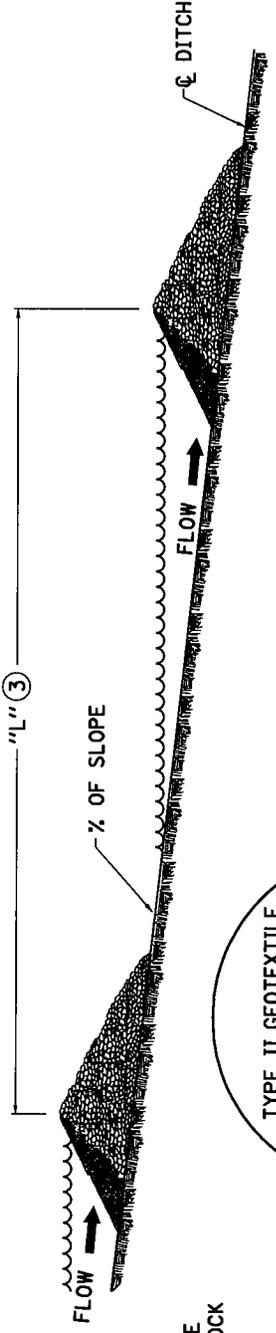
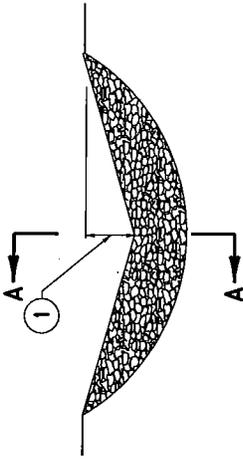
KENTUCKY
 DEPARTMENT OF HIGHWAYS

**SILT TRAP
 TYPE A**

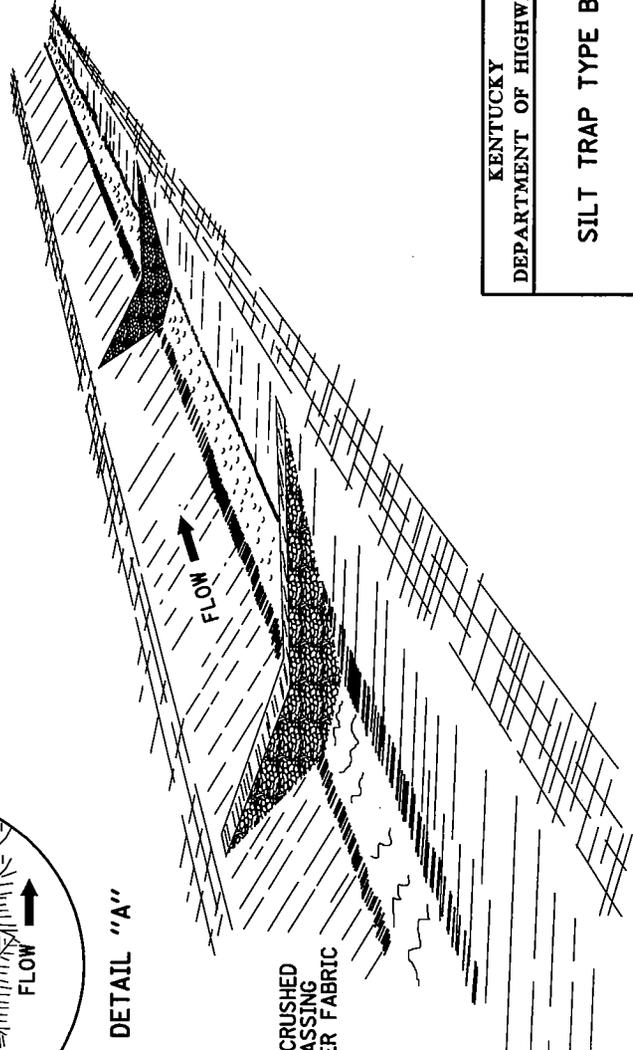
Contract ID: 072300
 Page 7 of 83

DATE: 2-21-83
 SUBMITTED BY: [Signature]
 ENGINEER OF DESIGN

COUNTY OF	ITEM NO.	SHEET NO.



SECTION "A~A"



~NOTES~

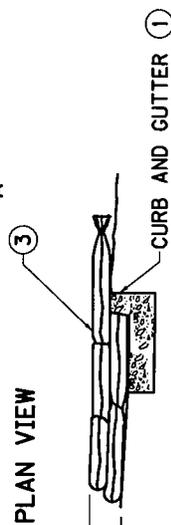
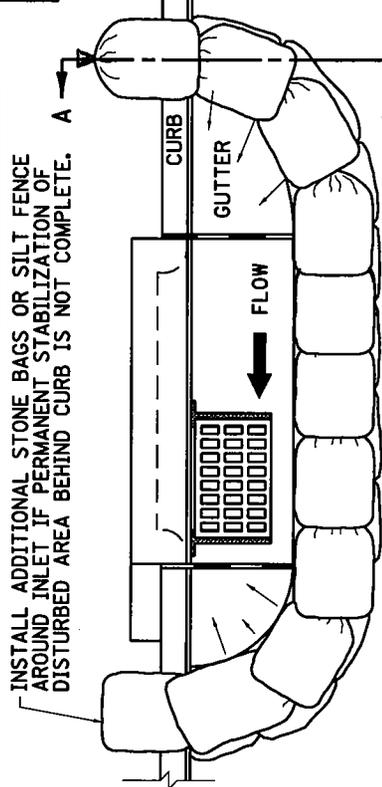
- | BID ITEM AND UNIT TO BID: | PAY ITEM | PAY UNIT |
|-----------------------------|----------|----------|
| 2704 SILT TRAP TYPE B | | EACH |
| 2707 CLEAN SILT TRAP TYPE B | | EACH |
- ① MIDDLE OF SILT TRAP SHALL BE A MINIMUM OF 1'-0" LOWER THAN SIDES SO FLOW WILL NOT BYPASS TRAP OR ERODE BANKS.
 - ② UPSTREAM FACE OF SILT TRAP SHALL BE A FOUR INCH MIN. LAYER OF CRUSHED AGGREGATE HAVING 100% PASSING A 3" SIEVE AND NO MORE THAN 5% PASSING A NO. 8 SIEVE (SEE SECTION "A-A"). LINE UPSTREAM FACE WITH FILTER FABRIC UP TO BOTTOM OF THE V AND COVER FABRIC WITH STONE TO HOLD IN PLACE (SEE DETAIL "A").
 - ③ "L" = SLOPE OF DITCH
 - ④ SPACE SILT TRAPS AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
 5. SILT TRAP TYPE A SHALL BE USED ON ALL SLOPES GREATER THAN 2%.
 6. SILT TRAP TYPE A MAY BE USED ON ALL SLOPES LESS THAN 2%.

KENTUCKY
DEPARTMENT OF HIGHWAYS

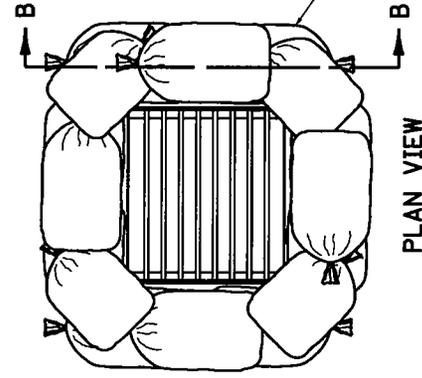
SILT TRAP TYPE B

SUBMITTED _____
DATE 1-25-05

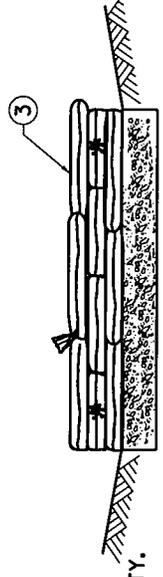
COUNTY OF	ITEM NO.	SHEET



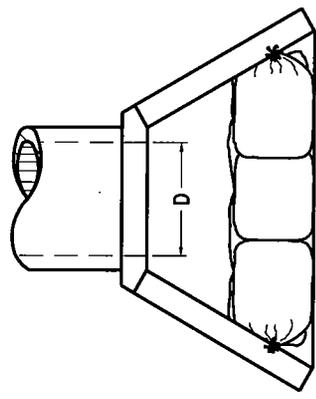
SECTION A~A



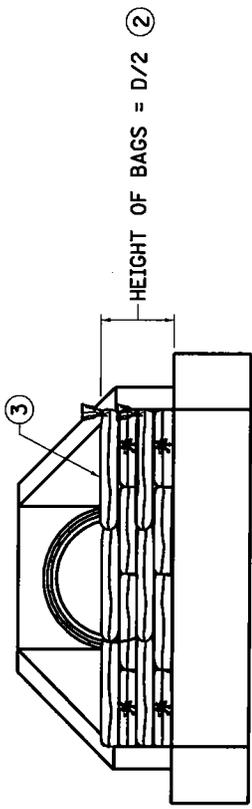
PLAN VIEW



SECTION B~B



PLAN VIEW



FRONT ELEVATION

~NOTES~

SILT TRAP TYPE C SHALL INCLUDE GEOTEXTILE FABRIC BAGS, NO. 57 STONE, LABOR AND ALL INCIDENTALS NECESSARY FOR ONE COMPLETE INSTALLATION. BID ITEM AND UNIT TO BID:

CODE	PAY ITEM	PAY UNIT
20496NS843	SILT TRAP TYPE C	EACH
20497NS843	CLEAN SILT TRAP TYPE C	EACH

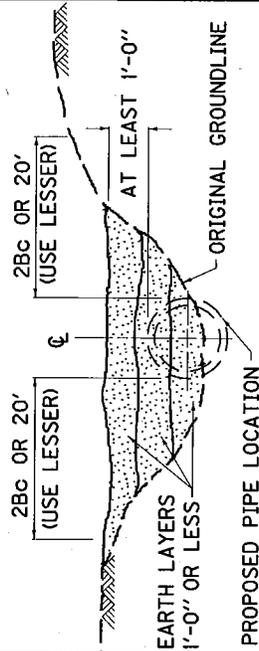
- ① INLET PROTECTION IS SUITABLE FOR USE IN BOTH PAVED AND UNPAVED AREAS.
- ② THE HEIGHT REQUIREMENT IS WAIVED IN CASES WHERE IT WILL CREATE AN UNACCEPTABLE PONDING SITUATION ON THE PAVEMENT OR ON AN ADJACENT PROPERTY.
- ③ INTERWEAVE BAG ENDS TO FILL GAPS BETWEEN BAGS.
4. CONSTRUCT 18" X 30" BAGS OF NON-WOVEN TYPE II GEOTEXTILE FABRIC CONFORMING TO SECTION 843 OF THE STANDARD SPECIFICATIONS. DOUBLE STITCH BAG SEAMS WITH 1 LB. POLYESTER THREAD. ATTACH ONE (1) TIE STRING TO EACH BAG. BAG OPENING SHALL BE ON 18" SIDE.
5. FILL BAGS WITH NO. 57 STONE BETWEEN 1/2 TO 2/3 FULL (50 LB TO 60 LB).
6. SILT TRAP TYPE C SHALL NOT BE USED IN BLUE LINE STREAMS.

KENTUCKY
DEPARTMENT OF HIGHWAYS

SILT TRAP TYPE C

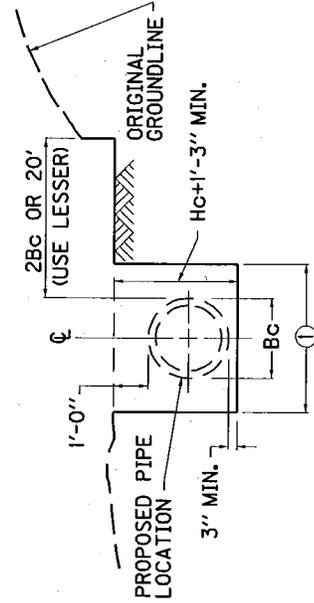
SUBMITTED _____
DATE 1-25-08

STEP 1



- a. IF THE ORIGINAL GROUNDLINE IS AT LEAST 1'-0" ABOVE TOP OF PROPOSED PIPE FOR WIDTH OF 2Bc OR 20' (WHICHEVER IS LESS) ON EACH SIDE OF THE PIPE, GO DIRECTLY TO "STEP 2".
- b. IF ORIGINAL GROUNDLINE IS NOT AT LEAST 1'-0" ABOVE TOP OF PROPOSED PIPE, COMPACT EMBANKMENT IN LAYERS 1'-0" OR LESS TO ELEVATION AND WIDTH SHOWN. MEET DENSITY REQUIREMENTS FOR PROPOSED EMBANKMENT.

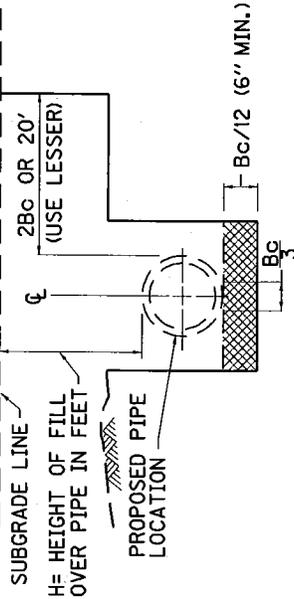
STEP 2



- a. EXCAVATE TO WITHIN 1'-0" ABOVE TOP OF PROPOSED PIPE A WIDTH OF 2Bc OR 20' (USE LESSER) ON EACH SIDE OF PIPE.
 - b. EXCAVATE TRENCH TO WIDTH AND DEPTH SHOWN.
- ① Bc + 24" FOR PIPE 36" DIA. OR LESS.
Bc + 48" FOR PIPE GREATER THAN 36" DIA.

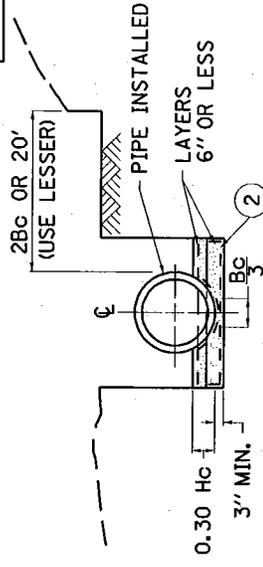
STEP 3

ROCK FOUNDATION DETAILS



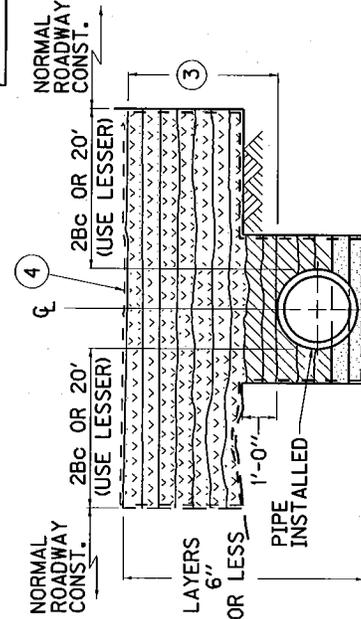
- a. IF ROCK FOUNDATION IS NOT ENCOUNTERED, GO DIRECTLY TO "STEP 4".
- b. IF ROCK FOUNDATION IS ENCOUNTERED, EXCAVATE TRENCH DEPTH USING FORMULA GIVEN. THIS DEPTH SHALL BE A MIN. OF 6" AND SHALL NOT EXCEED 24".
- c. BACKFILL WITH COMPACTED BEDDING MATERIAL IN LAYERS 6" OR LESS LEAVING Bc/3 UNCOMPACTED IN THE FINAL LAYER.

STEP 4



- a. UNCOMPACTED 4" BEDDING IN SUBTRENCH. FOR TYPE 1 INSTALLATION COMPACT BEDDING IN LAYERS 6" OR LESS TO AN ELEVATION 0.30 Hc. LEAVE CENTER THIRD OF OUTSIDE PIPE DIA. (Bc/3) BEDDING UNCOMPACTED.
 - b. EXCAVATE A GROOVE IN THE COMPACTED BEDDING TO CONFORM TO THE OUTSIDE OF THE PIPE. AFTER EXCAVATION OF THE GROOVE, A MINIMUM 3" OF BEDDING SHOULD REMAIN BELOW THE OUTSIDE INVERT OF THE PIPE. THE CRADLE SHALL BE GAGED FOR SHAPE AND SLOPE BY STRIKING OR DRAWING A TEMPLATE THROUGH THE GROOVE IMMEDIATELY BEFORE PLACING EACH SECTION OF PIPE.
 - c. INSTALL PIPE AT CORRECT ALIGNMENT AND ELEVATION. COMPACT ANY LOOSE BEDDING DISTURBED DURING INSTALLATION.
- ② WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.

STEP 5



- ③ 4'-0" REQUIRED FOR CONSTRUCTION LOADING. COMPACT REQUIRED BACKFILL MATERIAL IN LAYERS 6" OR LESS TO 1'-0" ABOVE TOP OF PIPE.
- ④ COMPACT REQUIRED BACKFILL MATERIAL TO ELEV. ABOVE TOP OF PIPE IN LAYERS OF 6" OR LESS.
- ⑤ PROCEED WITH NORMAL ROADWAY CONSTRUCTION. WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.

MAX. COVER HEIGHT	CLASS	TYPE I	TYPE 4
III	25'	9'	
IV	38'	15'	
V	57'	23'	

PIPE SHAPES



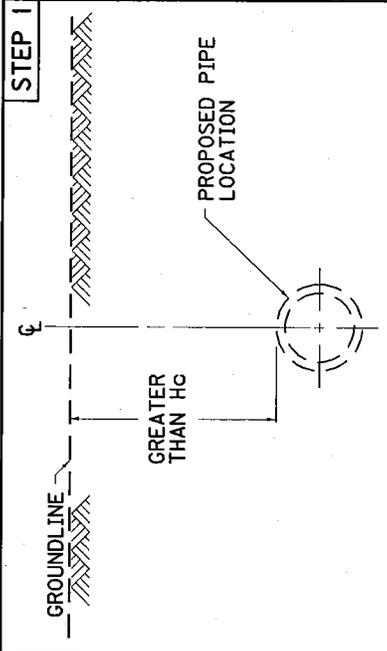
NOTE:

10' MAXIMUM COVER HEIGHT FOR HORIZONTAL ELLIPTICAL CLASS III PIPE.
COVER HEIGHTS EXCEEDING THOSE SHOWN IN TABLES REQUIRE SPECIAL DESIGNS.
FOR TYPE 4 INSTALLATION PLACE EMBANKMENT MATERIAL ACCORDING TO SECTION 701.03.06A OF THE CURRENT SPEC. BOOK.
FOR TYPE I INSTALLATION, WHEN THE TOP OF PIPE IS NOT WITHIN ONE PIPE DIAMETER OF THE SUBGRADE, INSTALL ACCORDING TO SECTION 701.03.06A OF THE CURRENT SPEC. BOOK.

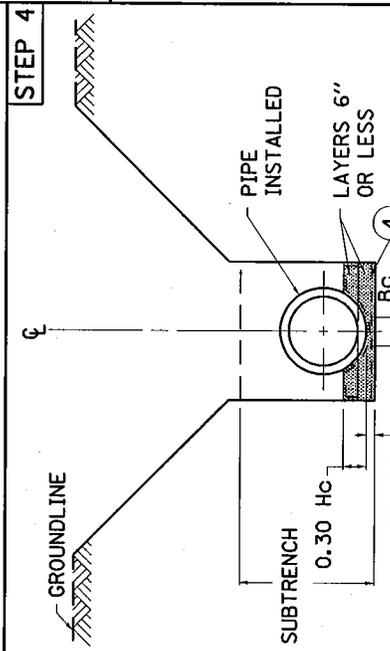
2' OF COVER OR LESS	CLASS	PIPE DIA.
V	12"-15"-18"	
IV	21"-24"	
III	27" & LARGER	

KENTUCKY
DEPARTMENT OF HIGHWAYS
PIPE BEDDING FOR CULVERTS,
ENTRANCE, AND STORM SEWER
REINFORCED CONC. PIPE

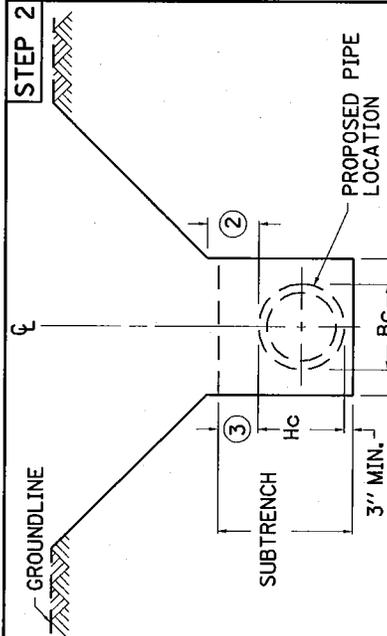
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DATE 5-12-05



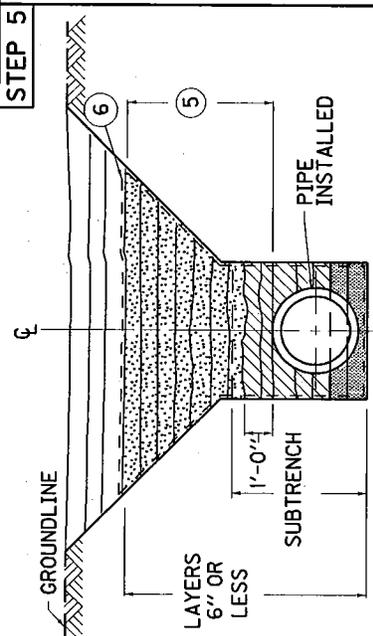
a. TRENCH CONDITION IS WHEN GROUNDLINE ELEVATION IS GREATER THAN Hc ABOVE TOP OF PROPOSED PIPE.
NOTE:
GROUNDLINE MAY BE (a) EXISTING OR ORIGINAL (b) EXCAVATED SURFACE OR (c) EMBANKMENT SURFACE.



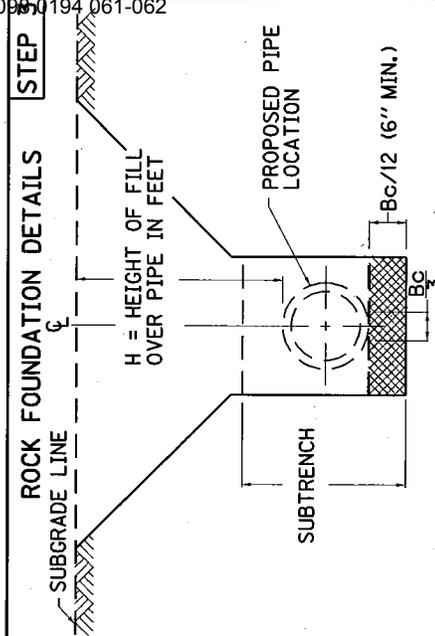
a. UNCOMPACTED 4" BEDDING IN SUB TRENCH. FOR TYPE I INSTALLATION COMPACT BEDDING IN LAYERS 6" OR LESS TO AN ELEVATION 0.30 Hc. LEAVE CENTER THIRD OF OUTSIDE PIPE DIA. (Bc/3) BEDDING UNCOMPACTED.
b. EXCAVATE A GROOVE IN THE BEDDING TO CONFORM TO THE OUTSIDE OF THE PIPE. AFTER EXCAVATION OF THE GROOVE, A MINIMUM 3' OF BEDDING SHOULD REMAIN BELOW THE OUTSIDE INVERT OF THE PIPE. THE CRADLE SHALL BE GAGED FOR SHAPE AND SLOPE BY STRIKING OR DRAWING A TEMPLATE THROUGH THE GROOVE IMMEDIATELY BEFORE PLACING EACH SECTION OF PIPE.
c. INSTALL PIPE AT CORRECT ALIGNMENT AND ELEVATION. RECOMPACT ANY LOOSE BEDDING DISTURBED DURING INSTALLATION.
4 WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.



a. EXCAVATE SUB TRENCH TO WIDTH AND DEPTH SHOWN. TRENCH WALLS MAY BE CONSTRUCTED VERTICAL. FOR ILLUSTRATION PURPOSES THE DETAIL DEPICTS A SLOPING WALL TRENCH, WHICHEVER METHOD IS USED, THE TRENCH WALLS SHALL REMAIN SYMMETRICAL ABOUT THE CENTERLINE OF THE PIPE.
b. BC + 24" FOR PIPE 36" DIA. OR LESS.
BC + 48" FOR PIPE GREATER THAN 36" DIA.
c. SLOPING OF TRENCH WALLS MAY BEGIN AT ANY ELEVATION GREATER THAN 1'-0" ABOVE TOP OF PIPE. THE SUB TRENCH SHALL ALWAYS BE REQUIRED. 1'-0" MINIMUM TO Hc MAXIMUM.



5 4'-0" REQUIRED FOR CONSTRUCTION LOADING.
a. COMPACT REQUIRED BACKFILL MATERIAL IN LAYERS 6" OR LESS TO 1'-0" ABOVE TOP OF PIPE.
b. IN A UNIFORM SYMMETRICAL MANNER COMPACT REQUIRED BACKFILL MATERIAL TO ELEVATION 5" ABOVE TOP OF PIPE IN LAYERS OF 6" OR LESS.
c. PROCEED WITH TRENCH BACKFILL IN A SYMMETRICAL MANNER IN LAYERS 1'-0" OR LESS TO THE ORIGINAL GROUND AS DEFINED IN STEP 1.
6 WRAP BEDDING MATERIAL IN GEOTEXTILE FABRIC WHEN THE STANDARD SPECIFICATIONS SPECIFIES.



a. IF ROCK FOUNDATION IS NOT ENCOUNTERED, GO DIRECTLY TO "STEP 4".
b. IF ROCK FOUNDATION IS ENCOUNTERED, EXCAVATE TRENCH DEPTH USING FORMULA GIVEN. THIS DEPTH SHALL BE A MIN. OF 6" AND SHALL NOT EXCEED 24".
c. BACKFILL WITH COMPACTED BEDDING MATERIAL IN LAYERS 6" OR LESS LEAVING Bc/3 UNCOMPACTED IN THE FINAL LAYER.

MAX. COVER HEIGHT	CLASS	TYPE I	TYPE 4
III	V	25'	9'
IV	IV	38'	15'
V	III	57'	23'

2' OF COVER OR LESS	PIPE DIA.
V	12"-15"-18"
IV	21"-24"
III	27" & LARGER

NOTE:
10' MAXIMUM COVER HEIGHT FOR HORIZONTAL ELLIPTICAL CLASS III PIPE.
COVER HEIGHTS EXCEEDING THOSE SHOWN IN TABLES REQUIRE SPECIAL DESIGNS.
FOR TYPE 4 INSTALLATION PLACE EMBANKMENT MATERIAL ACCORDING TO SECTION 701.03.06A OF CURRENT SPEC. BOOK.
FOR TYPE I INSTALLATION, WHEN THE TOP OF PIPE IS NOT WITHIN ONE PIPE DIAMETER OF THE SUBGRADE, INSTALL ACCORDING TO SECTION 701.03.06A OF THE CURRENT SPEC. BOOK.

PIPE SHAPES
CIRCULAR
HORIZONTAL ELLIPTICAL

KENTUCKY
DEPARTMENT OF HIGHWAYS
PIPE BEDDING
TRENCH CONDITION
REINFORCED CONC. PIPE

SUBMITTED: 5-12-05
DATE

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

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

- I. Application
- II. Nondiscrimination of Employees (KRS 344)
- III. Payment of Predetermined Minimum Wages
- IV. Statements and Payrolls

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 (between forty and seventy); 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 (between forty and seventy). 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, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin 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 (between forty and seventy), in admission to, or employment in any program established to provide apprenticeship or other training.

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

III. PAYMENT OF PREDETERMINED MINIMUM WAGES

1. These special provisions are supplemented elsewhere in the contract by special provisions which set forth certain predetermined minimum wage rates. The contractor shall pay not less than those rates.

2. The minimum wage determination schedule shall be posted by the contractor, in a manner prescribed by the Department of Highways, at the site of the work in prominent places where it can be easily seen by the workers.

IV. STATEMENTS AND PAYROLLS

1. All contractors and subcontractors affected by the terms of KRS 337.505 to 337.550 shall keep full and accurate payroll records covering all disbursements of wages to their employees to whom they are required to pay not less than the prevailing rate of wages. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of one (1) year from the date of completion of this contract.

2. The payroll records shall contain the name, address and social security number of each employee, his correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid.

3. The contractor shall make his daily records available at the project site for inspection by the State Department of Highways contracting office or his authorized representative.

Periodic investigations shall be conducted as required to assure compliance with the labor provisions of the contract. Interrogation of employees and officials of the contractor shall be permitted during working hours.

Aggrieved workers, Highway Managers, Assistant District Engineers, Resident Engineers and Project Engineers shall report all complaints and violations to the Division of Contract Procurement.

The contractor shall be notified in writing of apparent violations. The contractor may correct the reported violations and notify the Department of Highways of the action taken or may request an informal hearing. The request for hearing shall be in writing within ten (10) days after receipt of the notice of the reported violation. The contractor may submit

records and information which will aid in determining the true facts relating to the reported violations.

Any person or organization aggrieved by the action taken or the findings established as a result of an informal hearing by the Division of Contract Procurement may request a formal hearing.

4. The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount, without discount or collection charges of any kind. Where checks are used for payments, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements.

5. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

6. No laborers shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

7. Every employee on the work covered by this contract shall be permitted to lodge, board, and trade where and with whom he elects and neither the contractor nor his agents, nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

8. Every employee on the project covered by this contract shall be an employee of either the prime contractor or an approved subcontractor.

9. No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

10. No individual shall be employed as a laborer or mechanic on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams, trucks or other equipment from individuals.

No Covered employee may be employed on the work except in accordance with the classification set forth in the schedule mentioned above; provided, however, that in the event additional classifications are required, application shall be made by the contractor to the Department of Highways and (1) the Department shall request appropriate classifications and rates from the proper agency, or (2) if there is urgent need for additional classification to avoid undue delay in the work, the contractor may employ such workmen at rates deemed comparable to rates established for similar classifications provided he has made written application through the Department of Highways, addressed to the proper agency, for the supplemental rates. The contractor shall retroactively adjust, upon receipt of the supplemental rates schedule, the wages of any employee paid less than the established rate and may adjust the wages of any employee overpaid.

11. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work-week in which he is employed on such work, to work in excess of eight hours in any calendar day or in excess of forty hours in such work-week unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work-week. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. This agreement shall be in writing and shall be executed prior to the employee working in excess of eight (8) hours, but not more than ten (10) hours, in any one (1) calendar day.

12. Payments to the contractor may be suspended or withheld due to failure of the contractor to pay any laborer or

mechanic employed or working on the site of the work, all or part of the wages required under the terms of the contract. The Department may suspend or withhold payments only after the contractor has been given written notice of the alleged violation and the contractor has failed to comply with the wage determination of the Department of Highways.

13. Contractors and subcontractors shall comply with the sections of Kentucky Revised Statutes, Chapter 337 relating to contracts for Public Works.

Revised 2-16-95

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 (6) provides:

No present or former public servant shall, within six (6) months of 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 the state in matters in which he was directly involved during 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, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved 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.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, 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, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

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.

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT
COMPLIANCE SECTION
PROJECT WAGE RATES**

	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENTS COMBINED
<u>CRAFTS:</u>		
Boilermakers	24.65	12.94
Bricklayers	20.35	7.80
Stone Mason.....	18.95	7.80
Carpenters	18.85	7.80
Cement Masons.....	18.70	7.80
Electricians.....	*22.60	6.97

*When workmen are required to work from bosum chairs, trusses, stacks, tanks, scaffolds, catwalks, radio and T.V. towers, structural steel (open, unprotected, unfloored raw steel), and bridges or similar hazardous locations where workmen are subject to a direct fall, except where using JLG's and bucket trucks up to 75 feet: Add 25% to workman's base rate for 50 to 75 feet, and add 50% to workman's base rate for over 75 feet.

Ironworkers: Structural	18.95	7.80
Ironworkers: Reinforcing.....	18.75	7.80
Painters:		
All Excluding Bridges.....	19.92	9.57
Bridges	23.92	10.07
Piledrivers	18.50	7.80
Plumbers	22.52	7.80
Sheet Metal	20.40	7.80
Welders- Receive rate for craft in which welding is incidental.		

LABORERS:

General laborer, flagman, steam jenny.	BASE RATE	16.90
	FRINGE BENEFITS	7.80

Batch truck dumper, deck hand or scow man.	BASE RATE	17.15
	FRINGE BENEFITS	7.80

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT
COMPLIANCE SECTION
PROJECT WAGE RATES**

LABORERS: (continued)

Power driven tool operator of the following: wagon drill, chain saw, sand blaster, concrete chipper, pavement breaker, vibrator, power wheelbarrow, power buggy, sewer pipe layer, bottom men, dry cement handler, concrete rubber, mason tender.

BASE RATE17.25
FRINGE BENEFITS.....7.80

Asphalt lute and rakerman, side rail setter.

BASE RATE17.30
FRINGE BENEFITS.....7.80

Gunnite nozzle man.

BASE RATE17.40
FRINGE BENEFITS.....7.80

Tunnel laborer (free air).

BASE RATE17.45
FRINGE BENEFITS.....7.80

Tunnel mucker (free air), gunite operator.

BASE RATE17.50
FRINGE BENEFITS.....7.80

Hand blade operator

BASE RATE17.65
FRINGE BENEFITS.....7.80

Tunnel miner, blaster and driller (free air).

BASE RATE17.85
FRINGE BENEFITS.....7.80

Caisson worker

BASE RATE18.40
FRINGE BENEFITS.....7.80

Powderman

BASE RATE18.50
FRINGE BENEFITS.....7.80

Drill operator of percussion type drills which are both powered and propelled by an independent air supply.

BASE RATE19.70
FRINGE BENEFITS.....7.80

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT
COMPLIANCE SECTION
PROJECT WAGE RATES**

TRUCK DRIVERS AND RELATED CLASSIFICATIONS:

Truck helper and warehouseman.	BASE RATE17.15 FRINGE BENEFITS7.80
Driver, winch truck and A-Frame when used in transporting materials.	BASE RATE17.25 FRINGE BENEFITS7.80
Driver (semi-trailer or pole trailer), driver (dump truck, tandem axle), driver of distributor.	BASE RATE17.35 FRINGE BENEFITS 7.80
Driver on mixer trucks (all types).	BASE RATE17.40 FRINGE BENEFITS 7.80
Truck mechanic	BASE RATE17.45 FRINGE BENEFITS 7.80
Driver (3 tons and under), tire changer and truck mechanic helper.	BASE RATE17.48 FRINGE BENEFITS 7.80
Driver on pavement breakers.	BASE RATE17.50 FRINGE BENEFITS7.80
Driver (over 3 tons), driver (truck mounted rotary drill).	BASE RATE17.69 FRINGE BENEFITS7.80
Driver, Euclid and other heavy earth moving equipment and Low Boy.	BASE RATE18.26 FRINGE BENEFITS7.80
Greaser on greasing facilities.	BASE RATE18.35 FRINGE BENEFITS7.80

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT
COMPLIANCE SECTION
PROJECT WAGE RATES**

OPERATING ENGINEERS:

GROUP A:

Auto patrol, batcher plant, bituminous paver, cable-way, clamshell, concrete mixer (21 cu. ft. or over), concrete pump, crane, crusher plant, derrick, derrick boat, ditching and trenching machine, dragline, dredge engineer, elevator (regardless of ownership when used for hoisting any building material), elevating grader and all types of loaders, hoe-type machine, hoisting engine, locomotive, LeTourneau or carry-all scoop, bulldozer, mechanic, orangepeel bucket, piledriver, power blade, roller (bituminous), roller (earch), roller (rock), scarifier, shovel, tractor shovel, truck crane, well points, winch truck, push dozer, grout pump, high lift, fork lift (regardless of lift height), all types of boom cats, multiple operator, core drill, tow or push boat, A-Frame winch truck, concrete paver, gradeall, hoist, hyster, material pump, pumpcrete, ross carrier, sheep foot, sideboom, throttle-valve man, rotary drill, power generator, mucking machine, rock spreader attached to equipment, scoopmobile, KeCal loader, tower cranes (French, German and other types), hydrocrane, tugger, backfiller gurries, self-propelled compactor, self-contained hydraulic percussion drill.

BASE RATE20.25
FRINGE BENEFITS7.80

GROUP B:

All air compressors (200 cu. ft. per min. or greater capacity), bituminous mixer, concrete mixer (under 21 cu. ft.), welding machine, form grader, tractor (50 H.P. and over), bull float, finish machine, outboard motor boat, brakeman, mechanic helper, whirley oiler, tractair and road widening trencher, articulating trucks.

BASE RATE18.50
FRINGE BENEFITS..... 7.80

GROUP B2:

Greaser on grease facilities servicing heavy equipment.

BASE RATE18.35
FRINGE BENEFITS.....7.80

GROUP C:

Bituminous distributor, cement gun, conveyor, mud jack, paving joint machine, pump, tamping machine, tractors (under 50 H.P.), vibrator, oiler, air compressors (under 200 cu. ft. per min. capacity), concrete saw, burlap and curing machine, hydro seeder, power form handling equipment, deckhand oiler, hydraulic post driver.

BASE RATE17.76
FRINGE BENEFITS..... 7.80

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT
COMPLIANCE SECTION
PROJECT WAGE RATES**

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of the General Laborer except those classified as bona fide apprentices registered with the Kentucky State Apprenticeship Supervisor unless otherwise specified in this schedule of wage rates.

These rates are listed pursuant to the Kentucky Determination No. CR-05-II HWY dated May 16, 2006. Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

**TRANSPORTATION CABINET
DIVISION OF CONSTRUCTION PROCUREMENT
COMPLIANCE SECTION
PROJECT WAGE RATES**

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or to the undersigned.

Steve Waddle, Director
Division of Construction Procurement
Frankfort, Kentucky 40622

PART IV
INSURANCE

INSURANCE

The Contractor shall carry the following insurance in addition to the insurance required by law:

1. Contractor's Public Liability Insurance not less than \$100,000.00 for damages arising out of bodily injuries to or death to one person. Not less than \$300,000.00 for damages arising out of bodily injuries to or death to two or more persons.
2. Contractor's Property Damages Liability Insurance. Not less than \$100,000.00 for all damages arising out of injury or destruction of property in any one accident. Not less than \$300,000.00 for all damages during the policy period.
3. Contractor's Protective Public Liability and Property Damage Insurance. The contractor shall furnish evidence with respect to operations performed for him by subcontractors that he carries in his own behalf for the above stipulated amounts.
4. The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
 - a. "policy contains no deductible clauses."
 - b. "policy contains _____ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
5. WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

PART V

STATEMENT OF INCOMPLETE WORK

STATEMENT OF INCOMPLETED WORK

All active prime contracts must be reported. This includes prime contracts with public and private owners and joint-ventured contracts. The names of the joint venturers must be shown when reporting these projects. A machine or typed listing reporting the status of each contract is acceptable when attached to this report; however, the total amounts on the itemized listing must be reported in the space provided below:

CONTRACT WITH	PROJECT IDENTIFICATION	PRIME CONTRACT AMOUNT	EARNINGS THROUGH LAST APPROVED ESTIMATE	TOTAL AMOUNT OF WORK REMAINING
TOTAL (Attach Summary if not itemized above)		\$	\$	\$

PART VI

BID ITEMS

TRANSPORTATION CABINET

Department of Highways

FRANKFORT, KY 40622

Sheet No: 1

Contract ID: 07-2300

PIKE COUNTY

FE01 098 0194 061-062

Letting: 6/22/07

THE BIDDER MUST MAKE THE EXTENSIONS AND ADDITIONS
SHOWING TOTAL AMOUNT BID USING FIGURES ONLY

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
		DRAINAGE			.	.
0010	00001	DGA BASE	70.00	TON	.	.
0020	00190	LEVELING & WEDGING PG64-22	10.00	TON	.	.
0030	00203	CL2 ASPH BASE 1.50D PG64-22	100.00	TON	.	.
0040	00301	CL2 ASPH SURF 0.38D PG64-22	15.00	TON	.	.
0050	02014	BARRICADE-TYPE III	4.00	EACH	.	.
0060	02484	CHANNEL LINING CLASS III	40.00	TON	.	.
0070	02562	SIGNS	225.00	SQFT	.	.
0080	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS	.	.
0090	02726	STAKING	1.00	LS	.	.
0100	02731	REMOVE STRUCTURE	1.00	LS	.	.
0110	06510	PAVE STRIPING-TEMP PAINT-4 IN	400.00	LF	.	.
0120	06514	PAVE STRIPING-PERM PAINT-4 IN	200.00	LF	.	.
0130	08003	FOUNDATION PREPARATION	1.00	LS	.	.
0140	08100	CONCRETE-CLASS A	55.00	CUYD	.	.
0150	08150	STEEL REINFORCEMENT	4,500.00	LB	.	.
0160	20257NC	SITE PREPARATION	1.00	LS	.	.
0170	20588NC	INSTALL PROJECT IDENTIFICATION SIGNS 44" X 72" WITH CHANNEL POSTS	2.00	EACH	.	.
0180	21415ND	EROSION CONTROL EITHER	1.00	LS	.	.
0190	22533EN	ALUMINUM ALLOY STRUCT PLATE PIPE ARCH 15'-4" X 10'-0"	76.00	LF	.	.
		OR			.	.
0200	22534EN	STEEL STRUCTURAL PLATE PIPE ARCH 15'-4" X 10'-4"	76.00	LF	.	.
					.	.
		DEMOBILIZATION			.	.

TRANSPORTATION CABINET

Department of Highways

FRANKFORT, KY 40622

Sheet No: 2

Contract ID: 07-2300

PIKE COUNTY

FE01 098 0194 061-062

Letting: 6/22/07

THE BIDDER MUST MAKE THE EXTENSIONS AND ADDITIONS
SHOWING TOTAL AMOUNT BID USING FIGURES ONLY

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
0210	02569	DEMOBILIZATION	1.00	LS	.	.
TOTAL BID						\$.

PART VII
CERTIFICATIONS

PROVISIONS RELATIVE TO SENATE BILL 258 (1994)

During the performance of the contract, the contractor agrees to comply with applicable provisions of:

1. KRS 136 Corporation and Utility Taxes
2. KRS 139 Sale and Use Taxes
3. KRS 141 Income Taxes
4. KRS 337 Wages and Hours
5. KRS 338 Occupational Safety and Health of Employees
6. KRS 341 Unemployment Compensation
7. KRS 342 Workers Compensation

Any final determinations of a violation by the contractor within the previous five (5) years pursuant to the applicable statutes above are revealed as follows:

NON-COLLUSION CERTIFICATION

COMMONWEALTH OF KENTUCKY

COUNTY _____

PROJECT NO. _____

I, _____, _____, under
(Name of officer signing certification) (Title)

penalty of perjury under the laws of the United States, do hereby certify that

(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)

its agent, officers or employees have not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding in connection with this proposal.

(Signature)

(Title)

REVISED: 8-23-89

NON-COLLUSION CERTIFICATION

COMMONWEALTH OF KENTUCKY

COUNTY _____

PROJECT NO. _____

I, _____, _____, under
(Name of officer signing certification) (Title)

penalty of perjury under the laws of the United States, do hereby certify that

(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)

its agent, officers or employees have not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding in connection with this proposal.

(Signature)

(Title)

REVISED: 8-23-89

CERTIFICATION OF BID PROPOSAL

We (I) propose to furnish all labor, equipment and materials necessary to construct and/or improve the subject project in accordance with the plans, the Transportation Cabinet's Standard Specifications for Road and Bridge Construction, current edition, special provisions, notes applicable to the project as indicated herein and all addenda issued on this project subsequent to purchase of proposal.

We (I) attach a bid proposal guaranty as provided in the special provisions in an amount not less than 5% of the total bid. We agree to execute a contract in accordance with this bid proposal within 15 calendar days after the receipt of the notice of award for the project.

We (I) have examined the site of proposed work, project plans, specifications, special provisions, and notes applicable to the project referred to herein. We understand that the quantities shown herein are estimated quantities subject to increase or decrease as provided in the specifications.

We (I) acknowledge receipt of all addendum(s) (if applicable) and have made the necessary revisions to the bid proposal. We have considered all addendum(s) in the calculation of the submitted bid and applied the updated bid items, which are included.

- No Addendum(s) have been posted

Name of Contracting Firm

BY: _____
Authorized Agent (Signature) Title

Address City State Zip Code

Telephone Number

When two or more organizations bid as a joint venture, enter names of each organization and an authorized agent for each organization must sign above.