



CALL NO. 200

CONTRACT ID. 072323

BARREN - HART COUNTIES

FED/STATE PROJECT NUMBER 121GR07P086-FD52

**LETTING DATE: September 28, 2007**

Sealed Bids will be received in the Division of Construction Procurement and/or the Auditorium located on the 1<sup>st</sup> floor of the Transportation Cabinet Office Building until 10:00 AM EASTERY DAYLIGHT TIME September 28, 2007. Bids will be publicly opened and read at 10:00 AM EASTERY DAYLIGHT TIME.

**DBE CERTIFICATION REQUIRED**

**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

## TABLE OF CONTENTS

PART I	SCOPE OF WORK
	<ul style="list-style-type: none"><li>• PROJECT(S), COMPLETION DATE(S), &amp; LIQUIDATED DAMAGES</li><li>• CONTRACT NOTES</li><li>• CONTRACT DBE GOAL</li><li>• FEDERAL CONTRACT NOTES</li><li>• GENERAL DBE PARTICIPATION PLAN</li><li>• NATIONAL HIGHWAY</li><li>• SURFACING AREAS</li><li>• ASPHALT MIXTURE</li><li>• INCIDENTAL SURFACING</li><li>• ASPHALT PAVEMENT RIDE QUALITY</li><li>• FUEL AND ASPHALT PAY ADJUSTMENT</li><li>• OPTION A</li><li>• SPECIAL NOTE(S) APPLICABLE TO PROJECT</li><li>• LIQUIDATED DAMAGES</li><li>• PROJECT IDENTIFICATION SIGN</li><li>• WASTE AND BORROWED SITES</li><li>• ASPHALT MIXTURE FOR PAVEMENT WEDGE</li><li>• GUARDRAIL</li><li>• ASPHALT MILLING AND TEXTURING</li><li>• MEDIAN CROSS-OVERS</li><li>• TYPICAL SECTION DIMENSIONS</li><li>• TRAFFIC CONTROL PLAN</li><li>• TRAFFIC CONTROL FOR RAISED PAVEMENT MARKER INSTALLATIONS</li><li>• UTILITY CLEARANCE</li><li>• SKETCH MAP(S)</li><li>• MATERIAL SUMMARY</li><li>• SUMMARY SHEET(S)</li><li>• TYPICAL SECTION(S)</li></ul>
PART II	SPECIFICATIONS AND STANDARD DRAWINGS
	<ul style="list-style-type: none"><li>• SPECIFICATIONS REFERENCE</li><li>• SUPPLEMENTAL SPECIFICATIONS</li><li>• [SN-11] VARIABLE MESSAGE SIGNS *</li><li>• [SN-9Y] MATERIAL TRANSFER VEHICLE *</li><li>• [SP-13] CRASH CUSHIONS *</li><li>• 2004 STANDARD DRAWINGS THAT APPLY</li><li>• DELINEATORS FOR GUARDRAIL</li><li>• INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1</li></ul>

- GUARDRAIL END TREATMENT TYPE 1
- SILT TRAP TYPE A
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAM
- FOOTING DETAILS FOR TYPE C BEAM

PART III EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

- FEDERAL-AID CONSTRUCTION CONTRACTS - FHWA 1273
- NONDISCRIMINATION OF EMPLOYEES
- EXECUTIVE BRANCH CODE OF ETHICS
- PROJECT WAGE RATES
- NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EEO
- NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EEO

PART IV INSURANCE

PART V STATEMENT OF INCOMPLETED WORK

PART VI BID ITEMS

PART VII CERTIFICATION

- PROVISIONS RELATED TO SENATE BILL 258 (1994)
- NON-COLLUSION CERTIFICATION
- CERTIFICATION OF ORGANIZATION(S)
- CERTIFICATION OF PERFORMANCE
- CERTIFICATION FOR FEDERAL-AID CONTRACTS
- CERTIFICATION OF BID PROPOSAL / DBE

**PART I**  
**SCOPE OF WORK**

CONTRACT ID - 072323

ADMINISTRATIVE DISTRICT - 03

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - BARREN, HART  
121GR07P086-FD52

I-65 IN BARREN AND HART COUNTIES

COUNTY - BARREN  
IM 65-2 (71) 51

PES - MP00500650703

NASHVILLE-LOUISVILLE ROAD (I-65) BEGIN SOUTH OF CAVE CITY (MP 51.900) EXTENDING NORTH TO THE HART COUNTY LINE (MP 53.956), A DISTANCE OF 2.06 MILES. ASPHALT REHAB INTERSTATE/PARKWAY. SYP NO. 03-02016.00.  
GEOGRAPHIC COORDINATES LATITUDE 37^26'00" LONGITUDE 86^02'00"  
AVERAGE DAILY TRAFFIC - 33000 AVERAGE MAINLINE WIDTH - 48.0 FEET

COUNTY - HART  
IM 65-2 (71) 51

PES - MP05000650702

NASHVILLE-LOUISVILLE ROAD (I-65) BEGIN AT BARREN COUNTY LINE (MP 53.956) EXTENDING NORTH TO HORSE CAVE RAMP (MP 58.090), A DISTANCE OF 4.13 MILES. ASPHALT REHAB INTERSTATE/PARKWAY. SYP NO. 03-02016.00.  
GEOGRAPHIC COORDINATES LATITUDE 37^26'00" LONGITUDE 86^02'00"  
AVERAGE DAILY TRAFFIC - 33000 AVERAGE MAINLINE WIDTH - 48.0 FEET

COMPLETION DATE(S):

COMPLETION DATE - July 30, 2008  
APPLIES TO ENTIRE CONTRACT

COMPLETION DATE - March 31, 2008  
TREE TRIMMING AND REMOVAL

## **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](http://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.

### **CONTRACT DBE GOAL**

The Disadvantaged Business Enterprise (DBE) goal established for this contract is 10% of the total value of the contract.

The contractor shall exercise all necessary and reasonable steps to ensure that Disadvantaged Business Enterprises participate in at least the percent of the contract as set forth above as goals for this contract.

### **FEDERAL CONTRACT NOTES**

The Kentucky Department of Highways, in accordance with the Regulations of the United States Department of Transportation 23 CFR 635.112 (h), hereby notifies all bidders that failure by a bidder to comply with all applicable sections of the 2004 Kentucky Standard Specifications, including, but not limited to the following, may result in a bid not being considered responsive and thus not eligible to be considered for award:

102.02 Current Capacity Rating  
102.08 Irregular Proposals  
102.09 Proposal Guaranty

102.10 Delivery of Proposals  
102.14 Disqualification of Bidders

### **CIVIL RIGHTS ACT OF 1964**

The Kentucky Department of Highways, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252) and the Regulations of the Federal Department of Transportation (49 C.F.R., Part 21), issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without discrimination on the ground of race, color, or national origin.

### **NOTICE TO ALL BIDDERS**

To report bid rigging activities call: 1-800-424-9071.

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m. eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

### **FHWA 1273**

The requirements of Paragraph VI of FHWA 1273 does not apply to projects with a total cost of less than \$1,000,000.00.

**SECOND TIER SUBCONTRACTS**

Second Tier subcontracts on federally assisted projects shall be permitted. However, in the case of DBE's, second tier subcontracts will only be permitted where the other subcontractor is also a DBE. All second tier subcontracts shall have the consent of both the Contractor and the Engineer.

**DISADVANTAGED BUSINESS ENTERPRISE PROGRAM**

It is the policy of the Kentucky Transportation Cabinet (“the Cabinet”) that Disadvantaged Business Enterprises (“DBE”) shall have the opportunity to participate in the performance of highway construction projects financed in whole or in part by Federal Funds in order to create a level playing field for all businesses who wish to contract with the Cabinet. To that end, the Cabinet will comply with the regulations found in 49 CFR Part 26, and the definitions and requirements contained therein shall be adopted as if set out verbatim herein.

The Cabinet, contractors, subcontractors, and sub-recipients shall not discriminate on the basis of race, color, national origin, or sex in the performance of work performed pursuant to Cabinet contracts. The contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of federally assisted highway construction projects. The contractor will include this provision in all its subcontracts and supply agreements pertaining to contracts with the Cabinet.

Failure by the contractor to carry out these requirements is a material breach of its contract with the Cabinet, which may result in the termination of the contract or such other remedy as the Cabinet deems necessary.

**OBLIGATION OF CONTRACTORS**

Each contractor prequalified to perform work on Cabinet projects shall designate and make known to the Cabinet a liaison officer who is assigned the responsibility of effectively administering and promoting an active program for utilization of DBEs.

If a formal goal has not been designated for the contract, all contractors are encouraged to consider DBEs for subcontract work as well as for the supply of material and services needed to perform this work.

Contractors are encouraged to use the services of banks owned and controlled by minorities and women.

### **CERTIFICATION OF CONTRACT GOAL**

Contractors shall include the following certification in bids for projects for which a DBE goal has been established. BIDS SUBMITTED WHICH DO NOT INCLUDE CERTIFICATION OF DBE PARTICIPATION WILL NOT BE READ PUBLICLY. These bids will not be considered for award by the Cabinet and they will be returned to the bidder.

“The bidder certifies that it has secured participation by Disadvantaged Business Enterprises (“DBE”) in the amount of \_\_\_\_ percent of the total value of this contract and that the DBE participation is in compliance with the requirements of 49 CFR 26 and the policies of the Kentucky Transportation Cabinet pertaining to the DBE Program.”

**The certification statement is located on the last page of this proposal. All contractors must certify their DBE participation on that page. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted.**

### **DBE PARTICIPATION PLAN**

All bidders are encouraged to submit their General DBE Participation Plan with their bid on the official form. Lowest responsive bidders whose bid packages include DBE Participation Plans may be awarded the contract at the next Awards Committee meeting provided that the DBE goal is met. The DBE Participation Plan shall include the following:

1. Name and address of DBE Subcontractor(s) and/or supplier(s) intended to be used in the proposed project;
2. Description of the work each is to perform including the work item , unit, quantity, unit price and total amount of the work to be performed by the individual DBE;
3. The dollar value of each proposed DBE subcontract and the percentage of total project contract value this represents. DBE participation may be counted as follows:
  - a) If DBE suppliers and manufactures assume actual and contractual responsibility, the dollar value of materials to be furnished will be counted toward the goal as follows:
    - The entire expenditure paid to a DBE manufacturer;
    - 60 percent of expenditures to DBE suppliers that are not manufacturers provided the supplier is a regular dealer in the product involved. A regular dealer must be engaged in, as its principal business and in its own name, the sale of products to the public, maintain an inventory and own and operate distribution equipment; and
    - the amount of fees or commissions charged by the DBE firms for a bona fide service, such as professional, technical, consultant, or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials, supplies, delivery of materials and

- supplies or for furnishing bonds, or insurance, providing such fees or commissions are determined to be reasonable and customary.
- b) The dollar value of services provided by DBEs such as quality control testing, equipment repair and maintenance, engineering, staking, etc.;
  - c) The dollar value of joint ventures. DBE credit for joint ventures will be limited to the dollar amount of the work actually performed by the DBE in the joint venture;
4. Written and signed documentation of the bidder's commitment to use a DBE contractor whose participation is being utilized to meet the DBE goal; and
  5. Written and signed confirmation from the DBE that it is participating in the contract as provided in the prime contractor's commitment.

The apparent low bidder who does not submit a General DBE Participation Plan with the bid shall submit it within 10 calendar days after receipt of notification that they are the apparent low bidder. The project will not be considered for award prior to submission and approval of the apparent low bidder's DBE Participation Plan.

Detailed DBE Participation Plan forms will be included in the Contractor Package presented to successful bidders following the awarding of the project. The Detailed DBE Participation Plan must be completed and returned to Contract Procurement in accordance with Cabinet policy. A copy of the blank estimate will be included with the Detailed DBE Participation Plan to list sequence items by PCN (Project Control Number).

Changes to DBE Participation Plans must be approved by the Cabinet. The Cabinet may consider extenuating circumstances including, but not limited to, changes in the nature or scope of the project, the inability or unwillingness of a DBE to perform the work in accordance with the bid, and/or other circumstances beyond the control of the prime contractor.

#### **CONSIDERATION OF GOOD FAITH EFFORTS REQUESTS**

If the DBE participation submitted in the bid by the apparent lowest responsive bidder does not meet or exceed the DBE contract goal, the apparent lowest responsive bidder must submit a Good Faith Effort Package to satisfy the Cabinet that sufficient good faith efforts were made to meet the contract goals prior to submission of the bid. Efforts to increase the goal after bid submission will not be considered in justifying the good faith effort, unless the contractor can show that the proposed DBE was solicited prior to the letting date. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted. One complete set and nine (9) copies of this information must be received in the office of the Division of Contract Procurement no later than 12:00 noon of the tenth calendar day after receipt of notification that they are the apparent low bidder.

Where the information submitted includes repetitious solicitation letters it will be acceptable to submit a sample representative letter along with a distribution list of the firms solicited. Documentation of DBE quotations shall be a part of the good faith effort

submittal as necessary to demonstrate compliance with the factors listed below which the Cabinet considers in judging good faith efforts. This documentation may include written subcontractors' quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

The Good Faith Effort Package shall include, but may not be limited to information showing evidence of the following:

1. Whether the bidder attended any pre-bid meetings that were scheduled by the Cabinet to inform DBEs of subcontracting opportunities;
2. Whether the bidder provided solicitations through all reasonable and available means;
3. Whether the bidder provided written notice to all DBEs listed in the DBE directory at the time of the letting who are prequalified in the areas of work that the bidder will be subcontracting;
4. Whether the bidder followed up initial solicitations of interest by contacting DBEs to determine with certainty whether they were interested. If a reasonable amount of DBEs within the targeted districts do not provide an intent to quote or no DBEs are prequalified in the subcontracted areas, the bidder must notify the DBE Liaison in the Office of Minority Affairs to give notification of the bidder's inability to get DBE quotes;
5. Whether the bidder selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise perform these work items with its own forces;
6. Whether the bidder provided interested DBEs with adequate and timely information about the plans, specifications, and requirements of the contract;
7. Whether the bidder negotiated in good faith with interested DBEs not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached;
8. Whether quotations were received from interested DBE firms but were rejected as unacceptable without sound reasons why the quotations were considered unacceptable. The fact that the DBE firm's quotation for the work is not the lowest quotation received will not in itself be considered as a sound reason for rejecting the quotation as unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a DBE quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy DBE goals;
9. Whether the bidder specifically negotiated with subcontractors to assume part of the responsibility to meet the contract DBE goal when the work to be subcontracted includes potential DBE participation;
10. Whether the bidder made any efforts and/or offered assistance to interested DBEs in obtaining the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal; and

11. Any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include DBE participation.

**FAILURE TO MEET GOOD FAITH REQUIREMENT**

Where the apparent lowest responsive bidder fails to submit sufficient participation by DBE firms to meet the contract goal and upon a determination by the Good Faith Committee based upon the information submitted that the apparent lowest responsive bidder failed to make sufficient reasonable efforts to meet the contract goal, the bidder will be offered the opportunity to meet in person for administrative reconsideration. The bidder will be notified of the Committee's decision within 24 hours of its decision. The bidder will have 24 hours to request reconsideration of the Committee's decision. The reconsideration meeting will be held within two days of the receipt of a request by the bidder for reconsideration.

The request for reconsideration will be heard by the Office of the Secretary. The bidder will have the opportunity to present written documentation or argument concerning the issue of whether it met the goal or made an adequate good faith effort. The bidder will receive a written decision on the reconsideration explaining the basis for the finding that the bidder did or did not meet the goal or made adequate Good Faith efforts to do so.

The result of the reconsideration process is not administratively appealable to the Cabinet or to the United States Department of Transportation.

The Cabinet reserves the right to award the contract to the next lowest responsive bidder or to rebid the contract in the event that the contract is not awarded to the low bidder as the result of a failure to meet the good faith requirement.

**SANCTIONS FOR FAILURE TO MEET DBE REQUIREMENTS OF THE PROJECT**

Failure by the prime contractor to fulfill the DBE requirements of a project under contract or to demonstrate good faith efforts to meet the goal constitutes a breach of contract. When this occurs, the Cabinet will hold the prime contractor accountable, as would be the case with all other contract provisions. Therefore, the contractor's failure to carry out the DBE contract requirements shall constitute a breach of contract and as such the Cabinet reserves the right to exercise all administrative remedies at its disposal including, but not limited to the following:

- Disallow credit toward the DBE goal;
- Withholding progress payments;
- Withholding payment to the prime in an amount equal to the unmet portion of the contract goal; and/or
- Termination of the contract.

### **PROMPT PAYMENT**

The prime contractor will be required to pay the DBE within seven (7) working days after he or she has received payment from the Kentucky Transportation Cabinet for work performed or materials furnished.

### **CONTRACTOR REPORTING**

All contractors must keep detailed records and provide reports to the Cabinet on their progress in meeting the DBE requirement on any highway contract. These records may include, but shall not be limited to payroll, lease agreements, cancelled payroll checks, executed subcontracting agreements, etc. Prime contractors will be required to submit certified reports on monies paid to each DBE subcontractor or supplier utilized to meet a DBE goal.

Prime contractors will incorporate a requirement into DBE subcontracts, including supply contracts, that DBEs must provide to the Division of Construction, a copy of all checks received from the prime contractor within seven days of receipt of payment for work performed on Cabinet projects. Checks to DBE subcontractors must include the PCN number, estimate number, and the sequence and quantity.

### **DEFAULT OR DECERTIFICATION OF THE DBE**

If the DBE subcontractor or supplier is decertified or defaults in the performance of its work, and the overall goal cannot be credited for the uncompleted work, the prime contractor may utilize a substitute DBE or elect to fulfill the DBE goal with another DBE on a different work item. If after exerting good faith effort in accordance with the Cabinet's Good Faith Effort policies and procedures, the prime contractor is unable to replace the DBE, then the unmet portion of the goal may be waived at the discretion of the Cabinet.



### **NATIONAL HIGHWAY**

This project is on the *NATIONAL HIGHWAY SYSTEM*.

### **SURFACING AREAS (BARREN COUNTY)**

Mainline surfacing width is estimated to be 48 feet.

Total mainline area to be surfaced is estimated to be 57,897 square yards.

Inside shoulder width is estimated to be 2-4 feet and the outside shoulder width is estimated to be 10 feet.

Total shoulder area to be surfaced is estimated to be 33,773 square yards.

### **SURFACING AREAS (HART COUNTY)**

Mainline surfacing width is estimated to be 48 feet.

Total mainline area to be surfaced is estimated to be 116,413 square yards.

Inside shoulder width is estimated to be 2-4 feet and the outside shoulder width is estimated to be 10 feet.

Total shoulder area to be surfaced is estimated to be 67,908 square yards.

### **ASPHALT MIXTURE**

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

### **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.

### **ASPHALT PAVEMENT RIDE QUALITY**

Pavement Rideability Requirements shall apply on this project in accordance with Section 410 of the *2004 Standard Specifications*.

**FUEL AND ASPHALT PAY ADJUSTMENT**

These contract items Lot Pay Adjustment, Asphalt Adjustment and Fuel Adjustment, are for possible future payments. Additional monies may need to be setup with an additional change order if existing contract amount is insufficient to pay all items on the contract. Unit price is \$1.00. Quantity will be actual adjustment after work is completed.

**OPTION A**

The Contractor is advised that the compaction of asphalt mixtures furnished for driving lanes and ramps, at 25mm (1 inch) or greater, on this project will be accepted according to OPTION A in accordance with Section 402 and Section 403 of the *2004 Standard Specification*. Joint cores as described in subsection 402.03.02 are required for surface mixtures only. The compaction of all other asphalt mixtures will be accepted by OPTION B.

## SPECIAL NOTES FOR PAVEMENT REHABILITATION

---

<p>THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY</p>
--

### I. GENERAL

Perform all work in accordance with the Department's 2004 Standard Specifications, applicable Special Provisions, and Standard and Sepia Drawings except as specified in these notes or elsewhere in this proposal. Article references are to the Standard Specifications.

### II. MATERIALS

All materials shall be sampled and tested in accordance with the Department's Sampling Manual and the materials shall be 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.

### III. CONSTRUCTION METHODS

**A. PAVEMENT STRIPING.** See Traffic Control Plan.

**B. GUARDRAIL.** See Special Notes for Guardrail.

**C. SITE PREPARATION.** Be responsible for all site preparation. This item shall include, but is not limited to, clearing and grubbing, excavation and backfilling, embankments, removal of obstructions or any other items, and disposal of materials. All site preparation shall be only as approved or directed by the Engineer. Except for the bid items listed, site preparation will not be measured for payment but shall be incidental to the other items of work.

**D. MILLING AND PAVING.** Mill 1.25", depth may be adjusted by the Engineer to fit field conditions. After milling, correct settlement over pipes and culverts and remove de-bonded or flaking courses.

Construct asphalt surface course as shown on the drawings and described in these notes. Level and wedge and correct pavement cross slopes and superelevations as shown on the typical sections or as directed by the Engineer. Use a material transfer vehicle to place the asphalt surface on mainline driving lanes. Construct sawed rumble strips on all mainline shoulders.

**E. TRIMMING AND REMOVAL OF TREES AND BRUSH.** See Special Note for Trimming and Removal of Trees and Brush

**F. FINAL DRESSING, CLEANUP, AND SEEDING.** After all work is completed, remove all waste and debris from construction job sites. Dispose of waste at sites off the right of way

obtained by the contractor at no additional cost to the department. The Engineer will approve site for disposal of waste. Perform Final Dressing Class A on all disturbed areas. Sow all disturbed earthen areas with Seed Mixture No. I.

**G. ON SITE INSPECTION.** Each Contractor submitting a bid for this work shall make a thorough inspection of the site prior to submitting his bid and shall thoroughly familiarize himself with existing conditions so that the work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. The Department will not honor any claims resulting from site conditions.

**H. CAUTION.** Information shown on the drawings and in this proposal and the types and quantities of work listed are not to be taken as an accurate or complete evaluation of the material and conditions to be encountered during construction. The bidder must draw his own conclusion as to the conditions encountered. The department does not give any guarantee as to the accuracy of the data and will not consider any claim for additional compensation if the conditions encountered are not in accordance with the information shown.

**I. PROPERTY DAMAGE.** The Contractor shall be responsible for all damage to public and/or private property resulting from his work. Restore all disturbed features in like kind materials and design to the existing or proposed grades, as applicable, at no additional cost to the Department.

**J. UTILITY CLEARANCE.** Locate all underground, above ground and overhead utilities prior to beginning construction. The Contractor shall have the responsibility for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. Do not disturb existing overhead or underground utilities. It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities. The Department will not charge working days for those days on which work on the controlling item is delayed, as provided in the Specifications. If the total delay exceeds ten working days, the Department will negotiate an extension of the specified completion date with the Contractor for delay to the Contractor's work. The Contractor shall be responsible for repairing all utility damage that occurs as a result of his operations at no additional cost to the Department.

**K. DISPOSAL OF WASTE.** Dispose of all waste and debris at sites off the right-of-way obtained by the Contractor at no additional cost to the Department. See Special Note for Waste and Borrowed Sites.

**L. MAINTAIN AND CONTROL TRAFFIC.** See Traffic Control Plan.

**M. EROSION CONTROL.** See Special Note for Erosion Control.

#### **IV. METHOD OF MEASUREMENT**

Except as specified in these notes, or elsewhere in the drawings or this proposal, the method of measurement will be in accordance with the Standard Specifications.

**A. MAINTAIN AND CONTROL TRAFFIC.** See Traffic Control Plan.

**B. EROSION CONTROL.** See Special Notes for Erosion Control Plan.

**C. SITE PREPARATION.** Other than the bid items listed, the Department will NOT MEASURE Site Preparation for payment but shall be incidental to other items of work.

#### **V. BASIS OF PAYMENT**

Except as specified in these notes, or elsewhere in the drawings or this proposal, basis of payment will be in accordance with the Standard Specifications.

**A. MAINTAIN AND CONTROL TRAFFIC.** See Traffic Control Plan.

**B. EROSION CONTROL.** See Special Notes for Erosion Control Plan.

## SPECIAL NOTES FOR TRIMMING AND REMOVAL OF TREES AND BRUSH

### I. DESCRIPTION

Perform the work by the Kentucky Department of Highways 2004 Standard Specifications for Road and Bridge Construction and Applicable Special Provisions, except as specified. Article references are to the Standard Specifications.

Perform work on this project as follows: a) Trim limbs from trees and brush located along roadside rights-of-ways in areas designated by the attached sheets; b) Cut and remove trees and brush located on roadside rights-of-ways in areas designated by the attached sheets; c) Treat cut stumps to prevent re-sprouting; d) Cleanup and remove all debris from the rights-of-ways; and e) All other work specified by this contract.

### II. MATERIALS

Provide herbicide material for the treatment of cut stumps meeting the following criteria:

Active ingredient: **(Roundup Pro)**

Glyphosate*, N-(phosphonomethyl) glycine, in the form of its isopropylamine salt: .....	41.0%
Inert ingredients: .....	59.0%
Total: .....	100.0%

\*Contains 480 grams per liter (4 pounds per U. S. gallon) of the active ingredient, glyphosate, in the form of its isopropylamine salt. Equivalent to 356 grams per liter (3 pounds per U. S. gallon) of the acid, glyphosate.

Active ingredient: **(Arsenal)**

Isopropylamine salt of Imazapyr 2-[4,5-dihydro-4-methyl-4-(1methylethyl)-5oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)*: .....	27.6%
Inert ingredients: .....	72.4%
Total: .....	100.0%

\*Equivalent to 22.6 percent 2-[4,5-dihydro-4-methyl-4-(1methylethyl)-5oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid or 2 pounds per gallon.

### III. OPERATION METHODS

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

**B. Trimming and Removal of Trees and Brush.** Trim and remove limbs overhanging the highway corridor. Cut and remove single and multiple limbs from trees and brush in designated areas to the specified parallel distance from the edge of the pavement as stated in the attached sheets. Do not make flush cuts along the trunk, main stem, or main branch of the tree. Make cuts just outside the branch collar.

Cut and remove trees and brush that are within the designated work area. Cut trees and brush as close to the ground as possible. Treat all stumps with the herbicide solution. Trim and remove trees and brush by the work location described in the proposal. Seed all bare areas that are left as a result of the trimming and removal.

Perform the work under the supervision of an individual who has a minimum of three- (3) years of experience in trimming and removal of trees and brush. Perform the work in accordance with ANSI A 300-1995, "Tree Care Operations - Tree, Shrub, and Other Woody Plant Maintenance Practices," and as approved by the Engineer.

The Department will obtain Consent and Release for work on trees and brush overhanging the designated work area from adjacent private property, when necessary.

**C. Treatment of Cut Stumps.** Mix the specified **Roundup Pro herbicide** as a fifty-(50) percent solution with water and add four (4) ounces of **Arsenal herbicide**, as specified, per gallon of solution. Mix the herbicide solution in the presence of the Inspector. Include a color indicator in the herbicide solution to mark the treated stumps. Spray or paint the herbicide solution onto all cut stumps within one hour after their cutting. Apply the herbicide solution in a manner to avoid drift onto surrounding vegetative ground cover.

Comply with current laws and regulations established by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and by KRS 217B that regulate the handling, use, and application of pesticide

**D. Cleanup and Removal of Debris and Wood Waste.** Remove all debris from the trimming and removal of trees and brush from the work site and dispose of it off the right-of-way. Cleanup and remove all existing down trees and brush located within the designated areas.

Keep the work zone free of accumulated waste material and debris at all times. Remove and dispose of all tree and brush chips off the rights-of-ways. Remove and dispose of all debris and waste material off the rights-of-ways as work is completed and at the end of each workday. Remove desirable wood pieces from the rights-of-ways at the end of each workday. Stockpile trees and brush off the rights-of-ways.

Failure to perform cleanup and removal of debris and wood waste within the required time will result in an immediate shutdown of the work until the debris has been removed from the right-of-way. A penalty of \$250.00 will be assessed for each occurrence of failure to remove debris and wood waste that results in a shutdown of work operations.

**E. Equipment.** Provide suitable tree trimming and tree and brush removal equipment in good working condition. Conform to all Occupational Safety and Health Administration (OSHA) regulations. The use of a Slope Mower (Over/Guardrail Mower) mounted on a tractor or other similar vehicle with an articulated arm attachment to trim brush on this project will not be allowed.

Furnish all equipment and accessory items necessary for the efficient operation and completion of the work.

**V. MEASUREMENT.**

The Department will measure the Trimming and Removal of Trees and Brush quantity by the Linear Foot. The Department will not measure the Herbicide Treatment of Cut Stumps or the Cleanup and Removal of Debris and Wood Waste and will consider these items incidental to the Trimming and Removal of Trees and Brush item of work.

**V. PAYMENT**

The Department will make payment for the completed and accepted quantities of Trimming and Removal of Trees and Brush under the following:

<u><i>Code</i></u>	<u><i>Pay Item</i></u>	<u><i>Pay Unit</i></u>
3269	Trimming and Removal of Trees and Brush	Linear Foot

The Department will consider payment as full compensation for all work required under this section.

## **HD 21 PAINT SPEC WATERBORNE PAINT SPECIFICATIONS**

### **MATERIALS**

**NOTE:** The paint used for this project shall include **HD 21** resin.

Select Materials for this project to meet the performance requirements detailed in SECTION 842 of the current STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION and additional requirements as listed in this document. The resin portion of the paints shall be composed of the Rohm and Haas HD 21 Resin. Initial samples may be sent from the manufacturer of the paint. In addition to the initial samples, the Department will randomly sample paint delivered to the project for specification compliance.

<u>PAINTS</u>	YELLOW	WHITE
<b>(1.) RESIN</b>	<b>HD 21-</b>	<b>HD 21</b>
<b>(2.) COLOR</b>	<b>595B-38907</b>	<b>595B-37925</b>
<b>L*</b>	<b>80.80</b>	<b>94.92</b>
<b>a*</b>	<b>19.04</b>	<b>-2.18</b>
<b>b*</b>	<b>88.57</b>	<b>3.10</b>

### **Test Methods to be used in the determination of these properties:**

- (1.) The use of HD 21 resin will be verified by testing and manufacturer certification.
- (2.) Allowable variation of the color, measured in the laboratory, will be 2.0 ΔE\* from the referenced standard color. These values shall be obtained from a spectrophotometer utilizing a D65 illuminant at 45° illumination and 0° viewing with a 2° observer. Readings for the determination of color will be taken only over the black portion of the Leneta sheet on a 15 mil (wft) draw down.

Beads: Beads will only be evaluated as part of the system (through retroreflectivity readings). Testing of the coatings, gradation and initial quality of the product applied shall be the responsibility of the contractor.

### **APPLICATION OF STRIPING**

All pavement markings shall be installed in accordance with Section 713 of the STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION and additional requirements as listed in this document.

Paint shall be applied at a minimum rate of 29.5 gallons per mile of solid six-inch line to produce thickness of 18 mils. Glass beads shall be applied at a minimum rate of six pounds per gallon of paint.

If the Engineer determines that the quality of the striping applied by the Contractor is unsatisfactory with regard to retroreflectivity, bead distribution, paint thickness, overspray, accuracy of retracting, line width, consistency, tracking, etc., he may stop the striping operation immediately until the Contractor can demonstrate that the problem has been corrected.

Any striping error that requires removal of a line applied by the Contractor shall be removed, at the Contractor's expense, by a removal method approved by the Engineer. This removal process shall be done in a manner that shall not be detrimental to the pavement. Painting over the line with bituminous or other materials to obliterate the markings will not be allowed. Upon notification of a striping error by the Engineer, the Contractor shall be required to begin the process of correcting the striping error within five working days and shall work continuously to complete the corrective work prior to striping any other section of roadway included in this contract. Liquidated damages, as outlined in the Standard Specifications, shall apply for each day beyond the five working days that the Contractor has not begun to correct the striping error or continuously worked to complete the corrective work.

The Contractor shall be responsible for protecting the line from traffic until dry to eliminate tracking.

### **RETROREFLECTIVITY REQUIREMENTS**

Although the paint used on this project will be tested by the Department for various compositional requirements and minimum acceptable application rates for paint and beads are specified elsewhere in this proposal, it shall be the responsibility of the Contractor to insure that all striping meets the retroreflectivity requirements specified in this contract.

Retroreflectivity readings will be taken only by qualified employees of the Departments and Contractor who holds qualification from the Department as Pavement Marking Inspection Technicians or by a Department approved vendor. Portable readings will be taken in accordance with KM202.

The Department may choose to obtain retroreflectivity readings using a mobile retroreflectometer. Mobile retroreflectometer readings will be taken using a 30M-geometry instrument by a Department approved vendor in accordance with KM203.

The minimum retroreflectivity values are as follows:

<b>Minimum Reflectivity Values</b>		
<b>Color</b>	<b>Yellow-mcd/m<sup>2</sup>/lux</b>	<b>White-mcd/m<sup>2</sup>/lux</b>
LTL 2000	175	250
Mobile (30M-geometry)	150	225

The retroreflectivity values listed in this contract have been established taking into account the variances of the retroreflectivity measuring instruments. Therefore, no adjustments for variances will be made when using the measured retroreflectivity readings for full payment.

**Acceptance Of Non-Specification Markings**

If weather conditions allow, perform corrective work to bring striping retroreflectivity into conformance. If corrective work has been performed and the work meets all requirements except for minimum retroreflectivity, the Department may accept the work according to Subsection 105.04 of the STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. When the engineer determines that the markings may be left in place, the Department will accept them at a reduction in the Contract unit bid price according to the Acceptance Pay Schedule. Additionally, the Engineer may remove the striping crew for the remainder of the project according to Subsection 108.06 Part A of the STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

The Engineer may also apply the Acceptance Pay Schedules below when corrective work cannot be performed due to weather.

<b>ACCEPTANCE PAY SCHEDULE</b> <b>(For use when readings are taken with the LTL 2000)</b>	
<b>YELLOW</b>	<b>WHITE</b>
151 to 174 mcd/lux/square meter – 50% pay 128 to 150 mcd/lux/square meter – 25% pay 105 to 127 mcd/lux/square meter – 0% pay <105 mcd/lux/square meter - unacceptable	231 to 249 mcd/lux/square meter – 50% pay 213 to 230 mcd/lux/square meter – 25% pay 195 to 212 mcd/lux/square meter – 0% pay <195 mcd/lux/square meter - unacceptable

<b>ACCEPTANCE PAY SCHEDULE</b> <b>(For use when readings are taken with the Mobile)</b>	
<b>YELLOW</b>	<b>WHITE</b>
126 to 149 mcd/lux/square meter – 50% pay 103 to 125 mcd/lux/square meter – 25% pay 80 to 102 mcd/lux/square meter – 0% pay <80 mcd/lux/square meter - unacceptable	206 to 224 mcd/lux/square meter – 50% pay 188 to 205 mcd/lux/square meter – 25% pay 170 to 187 mcd/lux/square meter – 0% pay <170 mcd/lux/square meter - unacceptable

## **SPECIAL NOTES FOR EROSION CONTROL PLAN**

---

### **I. DESCRIPTION**

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, except as hereafter specified. 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, to include 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; (3) Clearing and grubbing and removal of all obstructions as required for construction; (4) Install and inspect all erosion control devices in accordance with Standard Specifications; (5) Maintain all erosion control devices in accordance with Section 213.03.03; (6) Install additional erosion control devices as required by the BMP or construction phasing, or as directed by the Engineer; (7) Perform temporary seeding of disturbed areas where feasible; (8) 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; (9) Restore all disturbed areas as nearly as possible to their original condition; (10) Prepare and permanently seed all disturbed areas; and (11) 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 by the

## Erosion Control Notes

### Page 2

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.

The Contractor shall conduct his 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. 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.

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

As work progresses, erosion control measures will be added or removed as required by project phasing and the BMP. The Contractor shall 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.

**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 a lump sum bid item for Erosion Control.

Erosion Control Notes  
Page 3

**V. Basis of Payment**

**Erosion Control.** Payment at the contract unit price per lump sum 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 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 bid item listed here.

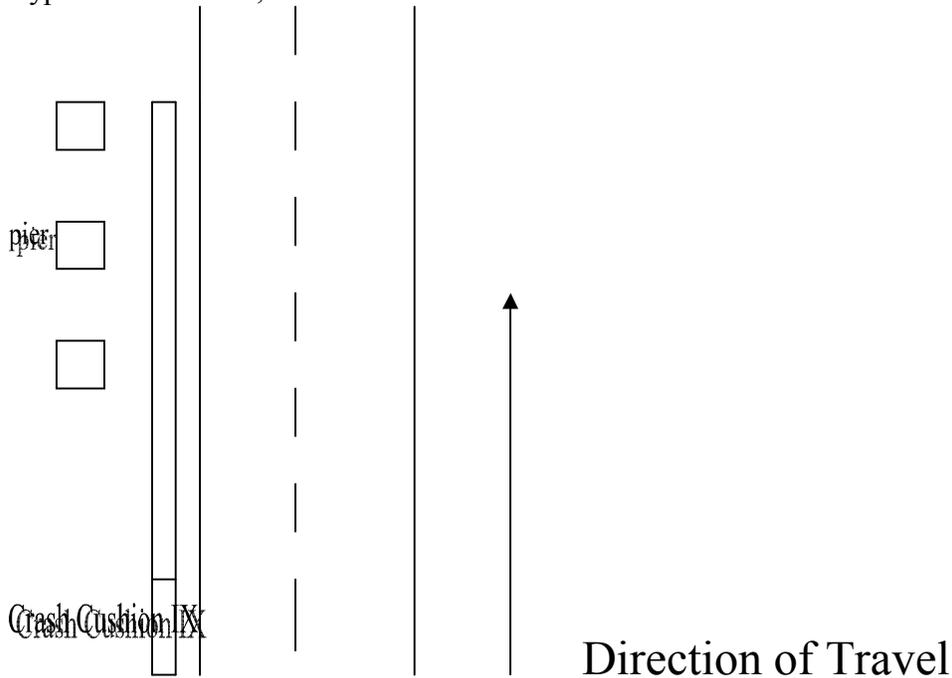
**SPECIAL NOTE FOR BARRIER WALL  
I – 65  
BARREN**

**LOCATIONS;**

MP 52.410  
BARREN

NB. 300 FEET BARRIER WALL TYPE 9T  
1 CRASH CUSHION IX  
SB. 300 FEET BARRIER WALL TYPE 9T  
1 CRASH CUSHION IX

Typical installation;



**Barrier Wall** to be obtained by the Contractor. At the end of the project the 600 feet of wall will become the property of the State and will be delivered to the Barren Co. Maintenance Yard in Glasgow, KY off of US 31-E.

There are quantities added for pipe and headwall extensions for the drainage structures located at the Bridge pier. 60 feet of culvert pipe

- 2 Remove Drop Box
- 2 New Drop Box

## SPECIAL NOTE FOR BARRIER WALL I – 65 HART CO.

### LOCATIONS;

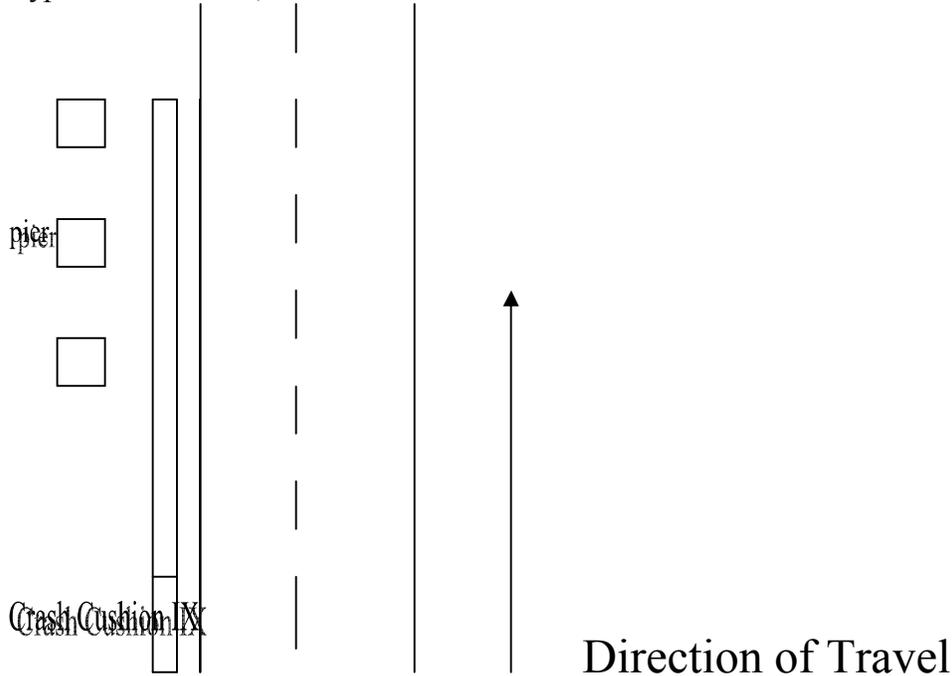
MP 54.054

NB. 300 FEET BARRIER WALL TYPE 9T  
1 CRASH CUSHION IX  
SB. 300 FEET BARRIER WALL TYPE 9T  
1 CRASH CUSHION IX

MP 57.600

NB. 300 FEET BARRIER WALL TYPE 9T  
1 CRASH CUSHION IX  
SB. 300 FEET BARRIER WALL TYPE 9T  
1 CRASH CUSHION IX.

Typical installation;



**Barrier Wall** will be supplied by the Contractor. Missing bolts, nuts, and washers shall be replaced by the Contractor at no expense to the Department. Any additional hardware required as a result of damaged or unusable hardware is the responsibility of the Contractor. Barrier wall will remain the property of the Contractor.

There are quantities added to extend the pipe and headwall at the piers.

Culvert pipe 24" 120 feet

Remove Drop Box 4

Drop Box type 1 4

**SPECIAL NOTE FOR TRIMMING AND REMOVAL OF TREES AND BRUSH**  
**I – 65**  
**Barren Co.**

The area was measured in acres and will be paid in acres. The KYTC has committed to a seasonal cutting restriction (OCT 15 to Mar 31). The Contractor can only remove trees from Oct. 15<sup>th</sup> to March 31st. This will avoid the removal of the summer roosting habitat for the Indiana Bat.

The BMP plan will have to include this work. The lump sum Erosion Control will include payment for this erosion control work needed for trimming and removal.

The areas included in the trimming and removal are as follows:

Cave City interchange has 4 gore areas. Each one of these gore areas will need to be cleared of all trees and bushes. Clear as directed by the Engineer.

The proposed clear zone along the Interstate will be cleared of trees and bushes. The clear zone is 40 foot from the edge of the Interstate pavement. Thirty feet from the edge of shoulder was used to measure the acreage to be cleared. This requires all trees and bushes within this area to be cut. Limbs that hang into this clear zone will have to be cut. This includes the rock cut areas. Clear as directed by the Engineer. The quantity for trimming and removal is approximate and may be less than estimated.

**SPECIAL NOTE FOR TRIMMING AND REMOVAL OF TREES AND BRUSH**  
**I – 65**  
**Hart Co.**

The area was measured in acres and will be paid in acres. The KYTC has committed to a seasonal cutting restriction (OCT 15 to Mar 31). The Contractor can only remove trees from Oct. 15<sup>th</sup> to March 31st. This will avoid the removal of the summer roosting habitat for the Indiana Bat.

The BMP plan will have to include this work. The lump sum Erosion Control will include payment for this erosion control work needed for trimming and removal.

The areas included in the trimming and removal are as follows:

Horse Cave interchange has 4 gore areas as well. Each one of these gore areas will need to be cleared of all trees and bushes. The Southwest gore area at the Horse Cave interchange has a group of ornamental trees that will be marked by the Engineer and does not need to be cut. Clear as directed by the Engineer.

The proposed clear zone along the Interstate will be cleared of trees and bushes. The clear zone is 40 foot from the edge of the Interstate pavement. Thirty feet from the edge of shoulder was used to measure the acreage to be cleared. This requires all trees and bushes within this area to be cut. Limbs that hang into this clear zone will have to be cut. This includes the rock cut areas. Clear as directed by the Engineer. The quantity for trimming and removal is approximate and may be less than estimated.

## **SPECIAL NOTE FOR FIXED COMPLETION DATE AND DISINCENTATIVE FEES**

### **FIXED COMPLETION DATE**

The Contractor has the option of selecting the starting date for this Contract. Once Selected, notify the Department in writing of the date selected at least two weeks prior to beginning work. All work associated with the project shall be completed by July 30, 2008.

Contrary to Section 108.07.02, the Engineer will begin charging calendar days for the project on the day the Contractor starts work or sets up traffic control on the project. Fifty Calendar days are allowed after the work has begun.

Contrary to Section 108.07.04 of the Standard Specifications, time extensions for the fixed completion date will not be granted for any reason.

Liquidated damages per the Standard Specifications will be charged for each calendar day that all work is not completed after July 30, 2008 or after the 50 calendar days have expired.

### **EXCEPTION:**

The Trimming and Removal of Trees and Brush item will have to be completed between the dates of Oct 15, 2007 and March 31, 2008 only. Liquidated Damages per the Standard Specifications will be charged for each calendar day that all trimming and removal of tree and brush work is not completed after March 31, 2008.

### **DISINCENTIVE FOR SINGLE LANE TRAFFIC**

There are phases identified in the Traffic Control Plan that require single lane traffic in the Northbound and Southbound directions of I – 65 during specified periods of time. These operations include asphalt milling, asphalt overlay, pavement markers, and any work affecting the Mainline traffic. Hours of permitted single lane closures are defined in the proposal.

A disincentive fee of \$500.00 per lane closure per hour will be charged for the first hour or fraction of an hour that two lanes in the Northbound or Southbound directions of I – 65 are not open excepting for the permitted hours as defined in the proposal. Lane closures in place for more than one hour in excess of permitted hours will be charged disincentive fees at the following rates:

Extra Hours of One-Lane Closure	Disincentive ( \$/Hour)
2	\$2500.00
Successive Hours	\$10,000.00

2007

### **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.

## SPECIAL NOTE FOR PAVEMENT WEDGE AND SHOULDER

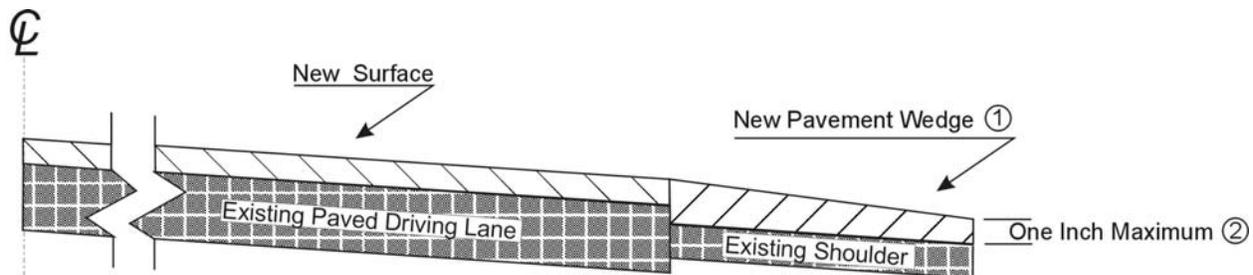
**1.0 MATERIALS.** Provide an Asphalt Mixture for Pavement Wedge conforming to Section 407 of the Standard Specifications or an Asphalt Surface Mixture conforming to Section 403 of the Standard Specifications, as applicable to the project, for the pavement wedge.

**2.0 CONSTRUCTION.** Place the Asphalt Mixture for Pavement Wedge or Asphalt Surface Mixture as a separate operation from the driving lane. Prime the existing shoulder with tack material as the Engineer directs before placing the wedge. Construct according to Section 407.03 and 403.03 of the Standard Specifications, as applicable.

When the Engineer deems it appropriate to pave both the driving lane and the adjoining wedge monolithically, equip the paver with a modified screed. Provide a screed that extends the full width of the wedge being placed and is tapered to produce a wedge.

The wedge may vary in thickness at the edge of the driving lanes. Limit the outside edge thickness of the new paving limits on the wedge to one inch where existing site conditions permit. If an Asphalt Surface Mixture is furnished for the pavement wedge, texture according to Section 403.03.08.

The following sketch is primarily for the computation of quantities; however, the wedge will result in a similar cross-section where sufficient width exists. Do not construct a shoulder for placing the wedge unless specified elsewhere in the Contract.



① Slope varies, but is down from the driving lanes except on outside of some curves where superelevation controls.

② Where existing site conditions permit.

**3.0 MEASUREMENT.** The Department will measure Asphalt Mixture for Pavement Wedge or Asphalt Surface Mixture placed as the pavement wedge according to Section 407.

**4.0 PAYMENT.** The Department will make payment for the completed and accepted quantities of Asphalt Surface Mixtures on pavement wedges according to Section 402 of the Standard Specifications. The Department will make payment for the completed and accepted quantities of Asphalt Mixture for Pavement Wedge according to Section 407 of the Standard Specifications.

December 13, 2006

## SPECIAL NOTES FOR GUARDRAIL PROJECT

---

### I. DESCRIPTION

This work shall be performed in accordance with the Department's 2004 Standard Specifications and Interim Supplemental Specifications, applicable Standard Drawings, and applicable Special Provisions except as hereafter specified. Article references are to the Standard Specifications.

This work shall consist of: (1) removing existing guardrail and end treatments as detailed in the guardrail summary sheet; (2) furnishing and installing guardrail, end treatments, and crash cushions as detailed in the guardrail summary sheets; (3) maintaining and controlling traffic; (4) any other work as specified this contract.

### II. MATERIALS

Except as specified in these notes, or elsewhere in the drawings or this proposal, all materials shall be in accordance with the Standard Specifications, Standard Drawings, and applicable Special Provisions. All materials shall be sampled and tested in accordance with the Department's Sampling Manual and the materials shall be 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. **Erosion Control.** See Special Notes for Erosion Control Plan.
- B. **Guardrail, Steel "W" Beam Single Face, Guardrail end Treatments, and Crash Cushions.** Materials in guardrail systems shall meet requirements in Section 814, the Standard drawings, and Active Sepia drawings.
- C. **Guardrail Posts.** Steel Guardrail posts are required. No alternates allowed.
- D. **Maintain and Control Traffic.** See Traffic Control Plan.

### III. CONSTRUCTION METHODS

Except as specified in these notes, or elsewhere in the drawings or this proposal, all construction methods shall be in accordance with the Standard Specifications.

- A. **Maintain and Control Traffic.** See Traffic Control Plan.
- B. **Site Preparation.** Prepare the shoulder for the guardrail installation, including regrading, reshaping, adding and compacting of suitable materials on the existing shoulders to provide proper template or foundation for the guardrail; filling voids from removed posts with dry sand; removal of all obstructions or any other items; excavation and embankment; temporary pollution and erosion control; disposal of

waste materials; final dressing and cleanup; and seeding and protection. All site preparation shall be as approved or directed by the engineer.

- C. Remove Guardrail and End Treatments.** Remove all existing guardrail and end treatments as shown in the Guardrail Summary. Locations shown on summary are approximate only. The Engineer will determine the exact termini for guardrail removal at time of construction. Remove guardrail. Remove only those end treatments listed or designated by the Engineer. Dispose of all existing concrete off the right of way at locations approved by the Engineer. Salvage existing material as per Section 719.03.06 except the Contractor shall deliver existing salvaged guardrail system materials to the Bailey Bridge Lot at Wilkinson Blvd in Frankfort, KY. Contact Bailey Bridge Lot Supervisor at (502) 564-2946 to schedule the delivery of material 2 weeks in advance. Deliver the material between the hours of 8:00AM and 3:30PM, Monday through Friday. Remove any existing guardrail with a lane closure in place. Do not leave the area unprotected. After the guardrail is removed, a shoulder closure shall remain in place until the guardrail is replaced in that area.
- D. Construct Concrete median Barrier End for Crash Cushion Type IX.** Construct Concrete median Barrier End for Crash Cushion Type IX as shown in Standard Drawing RBE-070-03.
- E. Guardrail, End Treatment, and Crash Cushion Installation.** Locations shown on summary drawing are approximate only. The Engineer will determine the exact termini for guardrail installations at time of construction. Except for the new end treatments listed, attach to existing end treatments and bridge end connectors in a smooth transition. The shoulder width shall be as directed by the Engineer.

When installing guardrail the blunt end shall **NOT** be left exposed where it would be hazardous to the public. When it is not practical to complete the construction of the rail or the permanent end treatments first, the Engineer may require a temporary end by connecting at least 25 feet of rail to the last post, and by slightly flaring, and burying the end of the rail completely into the existing shoulder. If left overnight, a drum with bridge panel as detailed on Standard Drawings for Miscellaneous Traffic Control Devices shall be placed in advance of the guardrail end and maintained during use. The cost of the temporary end, including the barrier and panel, shall be included in the unit price for Guardrail - Single Face.

The edges of all holes punched in the rail and posts, and all scratches or marred areas in completed installations where the galvanizing has been damaged, shall be spot painted with 2 coats of zinc dust-zinc oxide paint conforming to the current issue of Federal Specification TT-P-641.

- F. On-Site Inspection.** Each Contractor submitting a bid for this work shall make a thorough inspection of the site prior to submitting his bid and shall thoroughly familiarize himself with existing conditions so that the work can be expeditiously

performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. Any claims resulting from site conditions will NOT be honored by the Department.

- G. Restoration.** Any roadway features disturbed by the work or the Contractor's operations shall be restored in like kind materials and design as directed by the Engineer, at no additional cost to the Department.
- H. Property Damage.** The Contractor will be responsible for all damage to public and/or private property resulting from his work.
- I. Disposal of Waste.** All removed concrete, debris, excess excavation, and other waste shall be disposed of off the right-of-way at approved sites obtained by the Contractor at no cost to the Department. See Special Note for Waste and Borrowed Sites.
- J. Utility Clearance.** It is not anticipated that utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities, and working days will not be charged for those days on which work on the controlling item is delayed, 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.

#### **IV. METHOD OF MEASUREMENT**

Except as specified in these notes, or elsewhere in the drawings or this proposal, the method of measurement will be in accordance with the Standard Specifications.

- A. Maintain and Control Traffic.** See Traffic Control Plan.
- B. Remove Guardrail End Treatments, Crash Cushions and Terminal Sections.** The Department will not measure the removal of guardrail end treatments, crash cushions and terminal sections for payment but shall be considered incidental to "Guardrail, Steel W Bm-SFace".
- C. Site Preparation.** Other than the bid items listed, the Department will NOT MEASURE Site Preparation for payment but shall be incidental to "Earthwork".

#### **V. BASIS OF PAYMENT**

Except as specified in these notes, or elsewhere in the drawings or this proposal, basis of payment will be in accordance with the Standard Specifications.

- A. Maintain and Control Traffic.** See Traffic Control Plan.
- B. Erosion Control.** See Special Notes for Erosion Control Plan.

**SPECIAL NOTE FOR  
ASPHALT MILLING AND TEXTURING**

Begin paving operations no later than **48 hours** after the commencement of the asphalt milling operation. Continue paving operations continuously until completed. If paving operations are not begun within this time period, liquidated damages will be assessed at the rate prescribed by Section 108.09 of the 2004 Standard Specifications until such time as paving operations are begun.

Contrary to Section 408 of the 2004 Standard Specifications, the material obtained from the milling operations shall become the property of the Department. Deliver the material milled in each county to the corresponding State Maintenance facilities (Barren and Hart County).

1-3530 milling48hrstategetsmilling  
07/21/03

### **SPECIAL NOTE FOR MEDIAN CROSS-OVERS**

Resurface median crossovers with the same asphalt material as specified for the outside shoulders. Except as modified herein all requirements of the current Standard Specifications shall apply.

mediancrossoverpavementtype  
05/09/2003

### **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

---

**THIS PROJECT IS A FULLY CONTROLLED  
ACCESS HIGHWAY**

### TRAFFIC CONTROL GENERAL

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

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

The speed limit in work areas will be reduced to 55 mph and double fines for work zone speeding violations may be established. The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Reduced speed limits and double fine zones will be in place only while lane closures are in place.

If the Contractor desires to deviate from the traffic control scheme outlined here or elsewhere in the proposal, he shall prepare an alternate plan and present it in writing to the Engineer. This alternate plan can be used only after review and approval of the Divisions of Traffic, Highway Design, and Construction. A copy of the altered traffic plan will be forwarded to the Division of Maintenance.

### PROJECT PHASING & CONSTRUCTION PROCEDURES

No lane closures will be allowed from 7:00 AM Friday through 9:00 PM Sunday or Monday through Friday daily from 7:00 AM to 9:00 PM.

Shoulder closures will be allowed 9 AM to 3 PM and 9 PM to 7 AM Sunday through Thursday.

Except as specified in the phasing requirements, no lane closures will be allowed on the following days and hours:

Nov. 21-23, 2007	Thanksgiving
Dec. 21-31, 2007	Christmas/New Years Eve
Jan. 1-2, 2008	New Years
Jan 21, 2008	Martin Luther King

May 23-26, 2008  
July 3-7, 2008

Memorial Day  
Independence Day 4th

At the discretion of the Engineer, additional days and hours may be specified when lane closures will not be allowed.

Maintain a minimum of one traffic lane (mainline) in direction of work at all times during construction. The clear lane width shall be 11 feet; however make provisions for passage of vehicles 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. Repair or pave shoulders used as temporary roadways with asphalt mixtures for leveling and wedging as directed by the Engineer prior to opening to traffic.

Ramp Closures will not be allowed from 7:00 AM Friday through 9:00 PM Sunday or Monday through Friday daily from 7:00 AM to 9:00 PM. When milling and resurfacing at the ramp, close the ramp in the direction of travel during the same shift and mill and resurface the ramp. Do not close any ramp more than one time during the project. Reopen the closed ramp as soon as possible. Use police traffic control assistance while ramps are closed.

**PHASE I** – During allowable days and hours, place lane closures on the inside Fast lanes. Set up barrier wall and crash cushion at bridge. Construct concrete wall and median barrier ends, perform all median grading & fill operations for crash \ cushions, and install crash cushions at the median bridge piers. Milling and Paving of this lane can be done at this time.

**PHASE II** – During allowable days and hours, switch traffic to the inside fast Lanes. This will allow work on the outside slow lane. Perform millings, Resurfacing, Guardrail installations, and etc.

**PHASE III** – During allowable days and hours, complete the remaining items of Work.

## **LANE CLOSURES**

Do not allow traffic on milled surfaces; maintain lane closures during the interval between milling and inlay of the asphalt surface courses (see Special Notes for Asphalt Milling and Texturing). Do not leave lane closures in place during non-working. Do not erect lane closures more than 5 miles in length. Only one lane closure in each direction of travel will be allowed. Lane closures will be required in both directions of travel at median crossovers when in use for Contractor's vehicles. Only one lane closure per lane, in each direction of travel, will be measured for payment regardless of the number of times it is erected, removed, relocated, or reset.

## **SIGNS**

Additional traffic control signs in addition to normal lane closure signing detailed on the Standard Drawings may be required by the Engineer. Additional signs needed for lane closures may include, but are not limited to, dual mounted LEFT/RIGHT LANE CLOSED 1 MILE, LEFT/RIGHT LANE CLOSED 2 MILE, LEFT/RIGHT LANE CLOSED 3 MILE, SLOWED/STOPPED TRAFFIC AHEAD, KEEP RIGHT, KEEP LEFT, etc.

Contrary to Section 112.04.02 and 112.04.03, Low Shoulder signs will not be measured for payment, but will 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 will 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, removed, and relocated 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.

## **BARRICADES**

Barricades used in lieu of barrels and cones for channelization or delineation will be incidental to Maintain and Control Traffic according to Section 112.04.01. Barricades used to protect excavated areas 4" or greater in depth within 10' of traffic will be measured and paid as each according to Section 112.04.05 except: the Department will measure for payment the maximum number of barricades in concurrent use at the same time on a single day on all sections of the contract and individual barricades will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated 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.

## **VARIABLE MESSAGE SIGNS**

Provide Variable Message Signs in advance of or on the project at locations to be determined by the Engineer. The locations designated may vary as the work progresses. The Engineer will designate the locations and messages to be provided. Unless directed otherwise by the Engineer, use messages and abbreviations according to the Policy for the Use and Placement of Changeable Message Signs. The Variable Message Signs shall be in operation at all times. In the event of damage or mechanical/electrical failure, immediately repair or replace the Variable Message Sign. The Department will measure for payment the maximum number of signs in concurrent use at the same time on a single day on all sections of the contract. Individual signs will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged signs directed by the Engineer to be replaced due to poor condition or readability will not be measured for payment. Variable message signs will remain the property of the Contractor after construction is complete.

## **FLASHING ARROWS**

Use flashing arrows as shown on the Standard Drawings or as directed by the Engineer. The Department will measure for payment the maximum number of flashing arrows in concurrent use at the same time on a single day on all sections of the contract. Individual flashing arrows will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged flashing arrows directed by the Engineer to be replaced due to poor condition or readability will not be measured for payment. The Flashing Arrows will become the Property of the State. Each Flashing Arrow board will be inspected and found to be in good working order, have all operation manuals included and be delivered to the Barren Co Maintenance Yard at Glasgow before payment will be processed.

## **TRAFFIC COORDINATOR**

Designate an employee to be traffic coordinator. During any period when a lane closure is in place, the Traffic Coordinator shall arrange for personnel to be present on the project to inspect the traffic control at least once every two hours during active operations and periodically (max. of 12 hours and possibly more frequent if directed by the Engineer) during non-working hours, and to maintain the signing and devices. The personnel shall have access on the project to a radio or telephone to be used in case of emergencies or accidents. The Traffic Coordinator shall report all incidents throughout the work zone to the Engineer. Furnish the engineer with the name and telephone number where the Traffic Coordinator can be contacted at all times.

## **PAVEMENT MARKINGS**

Permanent and Temporary Striping shall be in accordance with Section 112, except that:

- (1) Temporary Striping shall be 6" in width; and
- (2) Edge lines will be required for temporary striping; and
- (3) If the contractor's operations or phasing requires temporary markings which must be subsequently removed from the ultimate pavement, an approved Removable Lane Tape" shall be used; however
- (4) Temporary striping or removable lane tape, if used will not be measured for payment but shall be incidental to Maintain and Control Traffic; and
- (5) Temporary or permanent striping shall be in place before a lane is opened to traffic; and
- (6) Permanent Striping shall be 6" HD21A;

## **MEDIAN CROSSOVERS**

During Phase II when Contractor is working in the outside (slow) lanes. Do not use median crossovers. Contractor's and Contractor's employee's vehicles shall change directions at Interchanges only.

## **PAVEMENT EDGE DROP-OFFS**

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

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

Less than 2" – During construction, no protection required. After resurfacing wedge drop-offs greater than 1 inch on inside (median) mainline shoulder and ramp shoulder with compacted cuttings from milling operations as shown on typical sections

2" to 4" –Place plastic drums, vertical panels, or barricades every 50 feet. Cones will not be allowed in place of plastic drums, panels, and barricades. Place Type III barricade in front of open milling trench facing oncoming traffic. Inlay milled areas with asphalt base and surface the same day it as milled. Wedge with cuttings from trench 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.

4" or Greater – Protect excavated areas 4" or greater within 10' of traffic by placing Type III Barricades facing oncoming traffic. Place plastic drums, vertical panels, or barricades at 50' spacing throughout the drop-off area. Wedge with DGA or cuttings from excavation or milling with a 1:1 slope or flatter in daylight hours or 3:1 slope or flatter during nighttime hours when work is not active in the drop-off area.

## **POLICY FOR THE USE AND PLACEMENT OF CHANGEABLE MESSAGE SIGNS**

The following policy is based upon current Changeable Message Signs (CMS) standards and practice from many sources, including the Federal Highway Administration (FHWA), other state Departments of Transportation, and Traffic Safety Associations. It is understood that each CMS installation or use requires individual consideration due to the specific location or purpose. However, there will be elements that are constant in nearly all applications. Accordingly these recommended guidelines bring a level of uniformity, while still being open to regional experience and engineering judgement.

### **Application**

The primary purpose of CMS is to advise the driver of unexpected traffic and routing situations. Examples of applications where CMS can be effective include:

- ◆ Closures (road, lane, bridge, ramp, shoulder, interstate)
- ◆ Changes in alignment or surface conditions
- ◆ Significant delays, congestion
- ◆ Construction / maintenance activities (delays, future activities)
- ◆ Detours / alternate routes
- ◆ Special events with traffic and safety implications
- ◆ Crash / incidents
- ◆ Vehicle restrictions (width, height, weight, flammable)
- ◆ Advance notice of new traffic control device
- ◆ Real-time traffic conditions (must be kept up-to-date)
- ◆ Weather/driving conditions, environmental conditions, Roadway Weather Information Systems
- ◆ \*Public Service Announcements that improve highway safety
- ◆ Emergency situations
- ◆ Referral to Highway Advisory Radio (if available)
- ◆ Messages as approved by the State Highway Engineer's Office

\* Use the CMS for special campaigns that will have a specified beginning and ending date. The CMS should not be used for more than three weeks with any special campaign.

CMS should not be used for:

- ◆ Replacement of static signs (e.g. road work ahead), regulatory signs (e.g. speed limits), pavement markings, standard traffic control devices, conventional warning or guide signs
- ◆ Replacement of lighted arrow board
- ◆ Advertising\* (\*Don't advertise the event unless clarifying "action" to be taken by driver - e.g. Speedway traffic next exit)
- ◆ Generic messages
- ◆ Test messages (portable signs only)
- ◆ Describe recurrent congestion (e.g. rush hour)
- ◆ Public service announcements (not traffic related)

## Changeable Message Sign Policy

Page 2 of 6

### Messages

Basic principles that are important to providing proper messages and insuring the proper operation of a CMS are:

- ◆ Visible for at least ½ mile under ideal daytime and nighttime conditions
- ◆ Legible from all lanes a minimum of 650 feet
- ◆ Entire message readable twice while traveling at the posted speed
- ◆ No more than two message panels should be used (Three panels may be used on roadways where vehicles are traveling less than 45 mph). A panel is the message that fits on the face of the sign without flipping or scrolling.
- ◆ Each panel should convey a single thought; short and concise
- ◆ Do not use two unrelated panels on a sign
- ◆ Do not use the sign for two unrelated messages
- ◆ Should not scroll text horizontally or vertically
- ◆ Should not contain both the words *left* and *right*
- ◆ Use standardized abbreviations and messages
- ◆ Should be accurate and timely
- ◆ Avoid filler/unnecessary words and periods (hazardous, a, an, the)
- ◆ Avoid using local names or landmarks
- ◆ Avoid use of speed limits
- ◆ Use words (not numbers) for dates

### Placement

Placement of the CMS is important to insure that the sign is visible to the driver and provides ample time to take any necessary action. Some of the following principles may only be applicable to controlled access roadways. The basic principles of placement for a CMS are:

- ◆ When 2 signs are needed, place on same side of roadway and at least 1,000 feet apart
- ◆ Place behind semi-rigid/rigid protection (guardrail, barrier) or outside of the clear zone
- ◆ Place 1,000 feet in advance of work zone; at least one mile ahead of decision point
- ◆ Normally place on right side of roadway, but should be place closest to affected lane so either side is acceptable
- ◆ Signs should not be dual mounted (one on each side of roadway facing same direction)
- ◆ Point trailer hitch downstream
- ◆ Secure to immovable object to prevent thief (if necessary)
- ◆ Do not place in sags or just beyond crests
- ◆ Check for reflection of sun to prevent the blinding of motorists
- ◆ Should be turned ~3° outward from perpendicular to the edge of pavement
- ◆ Bottom of sign should be 7 feet above the elevation of edge of roadway
- ◆ Should be removed when not in use

Changeable Message Sign Policy  
Page 3 of 6

**STANDARD ABBREVIATIONS**

The following is a list of standard abbreviations to be used on CMS.

<u>Word</u>	<u>Abbrev.</u>	<u>Example</u>
Access	ACCS	ACCIDENT AHEAD/USE ACCS RD NEXT RIGHT
Alternate	ALT	ACCIDENT AHEAD/USE ALT RTE NEXT RIGHT
Avenue	AVE	FIFTH AVE CLOSED/DETOUR NEXT LEFT
Blocked	BLKD	FIFTH AVE BLKD/MERGE LEFT
Boulevard	BLVD	MAIN BLVD CLOSED/USE ALT RTE
Bridge	BRDG	SMITH BRDG CLOSED/USE ALT RTE
Cardinal Directions	N, E, S, W	N I75 CLOSED/ DETOUR EXIT 30
Center	CNTR	CNTR LANE CLOSED/MERGE LEFT
Commercial	COMM	OVRSZ COMM VEH/USE I275
Condition	COND	ICY COND POSSIBLE
Congested	CONG	HVY CONG NEXT 3MI
Construction	CONST	CONST WORK AHEAD/EXPECT DELAYS
Downtown	DWNTN	DWNTN TRAF USE EX 40
Eastbound	E-BND	E-BND I64 CLOSED/DETOUR EXIT 20
Emergency	EMER	EMER VEH AHEAD/PREPARE TO STOP
Entrance, Enter	ENT	TRUCK ENT NEXT RIGHT
Exit	EX, EXT	DWNTN TRAF USE EX 40
Expressway	EXPWY	WTRSN EXPWY CLOSED/DETOUR EXIT 10
Freeway	FRWY, FWY	GN SNYDR FWY CLOSED/DETOUR EXIT 15
Hazardous Materials	HAZMAT	HAZMAT IN ROADWAY/ALL TRAF EXIT 25
Highway	HWY	ACCIDENT ON AA HWY/EXPECT DELAYS
Hour	HR	ACCIDENT ON AA HWY/2 HR DELAY
Information	INFO	TRAF INFO TUNE TO 1240AM
Interstate	I	E-BND I64 CLOSED/DETOUR EXIT 20
Lane	LN	LN CLOSED /MERGE LEFT
Left	LFT	LANE CLOSED /MERGE LFT
Local	LOC	LOC TRAF USE ALT RTE
Maintenance	MAINT	MAINT WRK ON BRDG/SLOW
Major	MAJ	MAJ DELAYS I75/USE ALT RTE
Mile	MI	ACCIDENT 3 MI AHEAD/USE ALT RTE
Minor	MNR	ACCIDENT 3 MI MNR DELAY
Minutes(s)	MIN	ACCIDENT 3 MI /30 MIN DELAY
Northbound	N-BND	N-BND I75 CLOSED/DETOUR EXIT 50
Oversized	OVRSZ	OVRSZ COMM VEH/USE I275 NEXT RIGHT
Parking	PKING	EVENT PKING NEXT RGT
Parkway	PKWY	CUM PKWAY TRAF/DETOUR EXIT 60
Prepare	PREP	ACCIDENT 3 MI/PREP TO STOP
Right	RGT	EVENT PKING NEXT RGT
Road	RD	HAZMAT IN RD/ALL TRAF EXIT 25
Roadwork	RDWK	RDWK NEXT 4 MI/POSSIBLE DELAYS

Changeable Message Sign Policy

Page 4 of 6

Route	RTE	MAJ DELAYS I75/USE ALT RTE
Shoulder	SHLDR	SHLDR CLOSED NEXT 5 MI
Slippery	SLIP	SLIP COND POSSIBLE/SLOW SPD
Southbound	S-BND	S-BND I75 CLOSED/DETOUR EXIT 50
Speed	SPD	SLIP COND POSSIBLE/SLOW SPD
Street	ST	MAIN ST CLOSED/USE ALT RTE
Traffic	TRAF	CUM PKWAY TRAF/DETOUR EXIT 60
Vehicle	VEH	OVRSZ COMM VEH/USE I275 NEXT RIGHT
Westbound	W-BND	W-BND I64 CLOSED/DETOUR EXIT 50
Work	WRK	CONST WORK 2 MI/POSSIBLE DELAYS

Certain abbreviations are prone to inviting confusion because another word is abbreviated or could be abbreviated in the same way. DO NOT USE THESE ABBREVIATIONS.

<u>Abbrev.</u>	<u>Intended Word</u>	<u>Word Erroneously Given</u>
ACC	Accident	Access (Road)
CLRS	Clears	Colors
DLY	Delay	Daily
FDR	Feeder	Federal
L	Left	Lane (Merge)
LOC	Local	Location
LT	Light (Traffic)	Left
PARK	Parking	Park
POLL	Pollution (Index)	Poll
RED	Reduce	Red
STAD	Stadium	Standard
TEMP	Temporary	Temperature
WRNG	Warning	Wrong

**TYPICAL MESSAGES**

The following is a list of typical messages used on CMS. The list consists of the **reason or problem** that you want the driver to be aware of and the **action** that you want the driver to take.

**Reason / Problem**

- ACCIDENT
- ACCIDENT/xx MILES
- xx ROAD CLOSED
- xx EXIT CLOSED
- BRIDGE CLOSED
- BRIDGE/(SLIPPERY, ICE, etc.)
- CENTER/LANE/CLOSED

## Changeable Message Sign Policy

Page 5 of 6

DELAY(S), MAJOR/DELAYS

DEBRIS AHEAD

DENSE FOG

DISABLED/VEHICLE

EMER/VEHICLES/ONLY

EVENT PARKING

EXIT xx/CLOSED

FLAGGER/xx MILES

FOG/xx MILES

FREEWAY CLOSED

FRESH/OIL

HAZMAT/SPILL

ICE

INCIDENT AHEAD

LANES/(NARROW, SHIFT, MERGE, etc.)

LEFT LANE CLOSED

LEFT LANE NARROWS

LEFT/2 LANES/CLOSED

LEFT/SHOULDER/CLOSED

LOOSE/GRAVEL

MEDIAN/WORK/xx MILES

MOVING/WORK/ZONE, WORKERS/IN/ROADWAY

NEXT EXIT CLOSED

NO/OVERSIZE/LOADS

NO/PASSING

NO/SHOULDER

ONE/LANE/BRIDGE

PEOPLE/CROSSING

RAMP CLOSED

RAMP/(SLIPPERY, ICE, etc.)

RIGHT/LANE/CLOSED

RIGHT/2 LANES/CLOSED

RIGHT/LANE/NARROWS

RIGHT/SHOULDER/CLOSED

ROAD CLOSED

ROAD/CLOSED/xx MILES

ROAD/(SLIPPERY, ICE, etc.)

ROAD/WORK

ROAD/WORK (or CONSTRUCTION)/(TONIGHT, TODAY TOMORROW, DATE, etc.)

ROAD/WORK/xx MILES

SHOULDER/(SLIPPERY, ICE, SOFT, BLOCKED, etc.)

NEW SIGNAL/xx MILES

SINGLE LANE

SLOW/1 (or 2) -WAY/TRAFFIC

SOFT/SHOULDER

STALLED VEHICLES AHEAD

## Changeable Message Sign Policy

Page 6 of 6

TRAFFIC/BACKUP  
TRAFFIC/SLOWS  
TRUCK/CROSSING  
TRUCKS/ENTERING  
TOW TRUCK AHEAD  
UNEVEN/LANES  
WATER/ON/ROAD  
WET PAINT  
WORK/ZONE/xx MILES  
WORKERS AHEAD

### Action

ALL/TRAFFIC/ EXIT RT  
AVOID/DELAYS/USE xx  
CONSIDER/ALT/ROUTE  
DETOUR  
DETOUR/xx MILES  
DO NOT/PASS  
EXPECT/DELAYS  
FOLLOW/ALT/ROUTE  
KEEP LEFT  
KEEP RIGHT  
MERGE/xx MILES  
MERGE/LEFT  
MERGE/RIGHT  
ONE-WAY/TRAFFIC  
PASS/TO/LEFT  
PASS TO/RIGHT  
PREPARE/TO/STOP  
REDUCE/SPEED  
SLOW  
SLOW/DOWN  
STAY IN/LANE  
STAY ON/xx  
STOP/AHEAD  
STOP/xx MILES  
TUNE/RADIO/1610 AM  
USE/nn/ROAD  
USE/CENTER/LANE  
USE/DETOUR/ROUTE  
USE/LEFT/LANE  
USE/NEXT/EXIT  
USE/RIGHT/LANE  
WATCH/FOR/FLAGGER

## **TRAFFIC CONTROL FOR RAISED PAVEMENT MARKER INSTALLATIONS**

### **TWO-LANE, TWO-WAY ROADWAYS:**

On two-lane, two-way roadway sections, lane closures shall be considered short-duration operations. All work shall be accomplished in only one lane and shall affect the adjacent lane as little as possible. Egress and ingress shall be provided to all ramps, side roads, and entrances at all times.

Approaches to the immediate work area shall be signed in accordance with Lane Closure Case I and Case II. All signs may be installed on temporary mountings.

All work vehicles used in the roadway shall be equipped, as a minimum, with strobe lights or rotating beacons. If equipped with a flashing arrow board, the board shall be used in caution mode, but shall not indicate a flashing arrow. The use of a truck-mounted attenuator will not be required on two-lane, two-way roadway sections.

When the pavement markers have been placed on the roadway, traffic cones shall be used to protect the markers from traffic until the adhesive epoxy has hardened.

### **MULTI-LANE ROADWAYS:**

On multi-lane roadway sections, all operations shall be performed behind stationary lane closures. Stationary lane closures shall be approved by the Engineer and shall be signed in accordance with Std Drawings for Multi-Lane Case I, Double Lane Closure or Interior Lane closure as applicable. Egress and ingress shall be provided to all ramps, side roads, and entrances at all times.

A truck-mounted attenuator that complies with SP 13 shall be required on multi-lane roadways. Contrary to SP 13, the Contractor will retain ownership of the Crash Cushion Type VIII. The location of the TMA within the lane closure shall be as specified by the Engineer.

No more than one lane of traffic plus 24 inches maximum of only one adjacent lane shall be closed per direction of travel. A minimum lane width of 10 feet should be maintained. The length of a lane closure shall not exceed 1 mile in urban areas or 3 miles in rural areas. Consecutive lane closures shall be permitted only if separated by a minimum of 2 miles and must be affecting the same lane.

Provide for the installation of all necessary traffic control devices before beginning work and their immediate removal as soon as work is suspended or completed and the pavement markers are completely bonded to the pavement.

Flush-mounted Type IV-A markers shall be used to delineate the lane lines, centerlines and edgelines when pavement markers are to be installed on bridge decks. Do not install Type V markers on bridge decks.

**UTILITY NOTES TO BE INCLUDED IN THE PROPOSAL**  
**SPECIAL NOTES FOR UTILITY CLEARANCE**  
**IMPACT ON CONSTRUCTION**

**BARREN & HART Counties**  
**I-65, Pavement Rehab - Int (P)**  
**Mill 1" Intermediate Overlay on I-65**  
**from Mile point 51.9 in Barren County**  
**to Mile point 58.09 in Hart County.**  
**Status Report Item No. 3-2016.00**

The Contractor is advised to contact the BUD one-call system; however, the Contractor should be aware that owners of underground facilities are not required to be members of the BUD one-call system. It may be necessary for the Contractor to contact the County Court Clerk to determine what utility companies have facilities in the project area. BUD NUMBER: (Call Before You Dig) Telephone Number: 1-800-752-6007

**COORDINATION WITH UTILITY FACILITY OWNERS**

The Contractor will be responsible for contacting all utility facility owners on the subject project to have existing facilities located in the field. The Contractor will coordinate his activities with the utility facility owners to minimize and, where possible, avoid conflicts with utility facilities.

Where conflicts with utility facilities are unavoidable the Contractor will coordinate any necessary relocation work with the facility owner. **There will be no damages awarded for delays caused by necessary utility relocations and/or adjustments.**

**PROTECTION OF UTILITY FACILITIES**

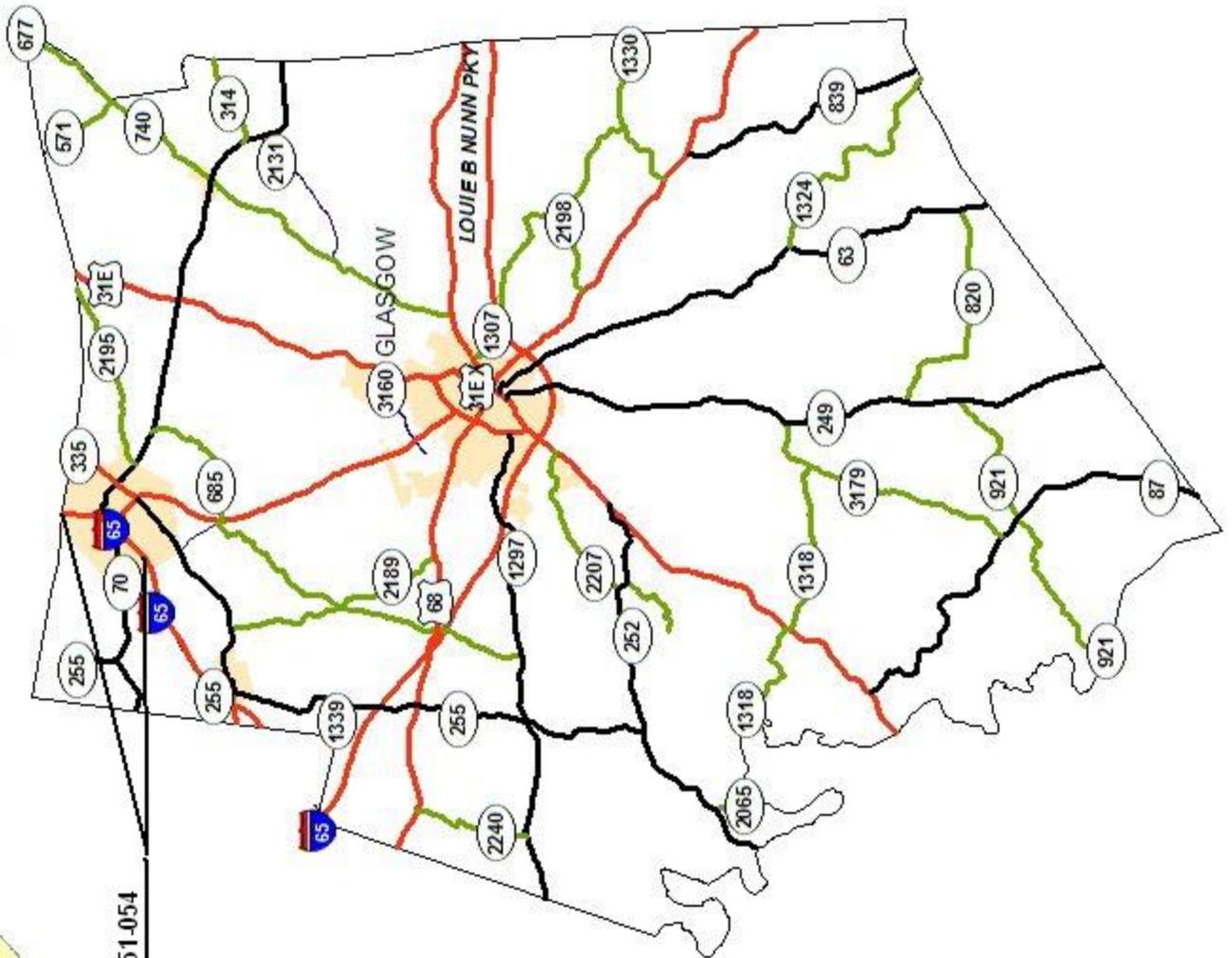
The location of utility facilities shown on the plans may not be exact or complete. It will be the Contractor's responsibility to locate the utility facilities before excavation by calling the utility facility owner and/or the BUD one-call system. The Contractor shall determine the exact location and elevation of underground utility facilities by hand-digging to expose utilities before beginning excavation in the area of underground utility facilities. The cost for repair and any other associated costs for any damage to utility facilities caused by the Contractor's operation will be borne by the Contractor.

There may or may not be railroad facilities associated with this project.

DEPARTMENT OF HIGHWAYS  
MAP OF  
BARREN COUNTY



FD52 005 0065 051-054





MATERIAL SUMMARY

CONTRACT ID: 072323

IM 65-2 (71) 51 PES NO: MP00500650703  
NASHVILLE-LOUISVILLE ROAD (I-65) BEGIN SOUTH OF CAVE CITY (MP 51.900) EXTENDING  
NORTH TO THE HART COUNTY LINE (MP 53.956), A DISTANCE OF 2.06 MILES.

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0010	00190	LEVELING & WEDGING PG64-22	1,685.00	TON
0020	00338	ASPHALT PLACEMENT WITH MTV	5,696.00	TON
0030	00339	CL3 ASPH SURF 0.38D PG64-22	2,127.00	TON
0040	00342	CL4 ASPH SURF 0.38A PG76-22	5,696.00	TON
0050	01982	DELINEATOR FOR GUARDRAIL-WHITE	250.00	EACH
0060	01983	DELINEATOR FOR GUARDRAIL-YELLOW	50.00	EACH
0070	02230	EMBANKMENT IN PLACE	500.00	CUYD
0080	02351	GUARDRAIL-STEEL W BEAM-S FACE	17,450.00	LF
0090	02367	GUARDRAIL END TREATMENT TYPE 1	11.00	EACH
0100	02369	GUARDRAIL END TREATMENT TYPE 2A	13.00	EACH
0110	02381	REMOVE GUARDRAIL	15,800.00	LF
0120	02396	REMOVE GUARDRAIL END TREATMENT	24.00	EACH
0140	02562	SIGNS	512.00	SQFT
0150	02650	MAINTAIN & CONTROL TRAFFIC BARREN CO.	1.00	LS
0160	02671	VAR MESSAGE SIGN-PORT 3 LINE	2.00	EACH
0170	02676	MOBILIZATION FOR MILL & TEXT BARREN CO.	1.00	LS
0180	02677	ASPH PAVE MILLING & TEXTURING	7,490.00	TON
0190	02775	FLASHING ARROW	2.00	EACH
0200	02929	CRASH CUSHION TYPE IX	4.00	EACH
0340	03171	CONCRETE BARRIER WALL TYPE 9T	600.00	LF
0210	03269	TRIM & REMOVE TREES & BRUSH	21,715.00	LF
0220	06511	PAVE STRIPING-TEMP PAINT-6 IN	40,310.00	LF
0230	06546	PAVE STRIPING-THERMO-12 INCH W	2,375.00	LF
0240	06550	PAVE STRIPING-TEMP REM TAPE-W	5,000.00	LF
0250	06551	PAVE STRIPING-TEMP REM TAPE-Y	5,000.00	LF
0260	06592	PAVEMENT MARKER TYPE V-B W/R	400.00	EACH
0270	06593	PAVEMENT MARKER TYPE V-B Y/R	192.00	EACH
0280	06600	REMOVE PAVEMENT MARKER TYPE V	600.00	EACH
0290	08100	CONCRETE-CLASS A	20.00	CUYD
0300	08150	STEEL REINFORCEMENT	392.00	LB
0310	10000NS	LOT PAY ADJUSTMENT	15,000.00	DOLL
0320	10020NS	FUEL ADJUSTMENT	8,472.00	DOLL
0330	10030NS	ASPHALT ADJUSTMENT	17,114.00	DOLL
0350	20362ES403	SHOULDER RUMBLE STRIPS-SAWED	51,200.00	LF
0360	20588NC	INSTALL PROJECT IDENTIFICATION SIGNS	2.00	EACH
0370	20754EC	REMOVE RAISED MEDIAN	180.00	LF
0380	21339ED	PAVE STRIPING PERM-6 IN HD21A-WHITE	40,310.00	LF
0390	21340ED	PAVE STRIPING PERM-6 IN HD21A-YELLOW	29,500.00	LF
0400	21415ND	EROSION CONTROL BARREN CO.	1.00	LS
0410	02569	DEMobilIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 072323

IM 65-2 (71) 51 PES NO: MP05000650702  
NASHVILLE-LOUISVILLE ROAD (I-65) BEGIN AT BARREN COUNTY LINE (MP 53.956) EXTENDING  
NORTH TO HORSE CAVE RAMP (MP 58.090), A DISTANCE OF 4.13 MILES.

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0010	00190	LEVELING & WEDGING PG64-22	2,750.00	TON
0020	00338	ASPHALT PLACEMENT WITH MTV	9,683.00	TON
0030	00339	CL3 ASPH SURF 0.38D PG64-22	3,413.00	TON
0040	00342	CL4 ASPH SURF 0.38A PG76-22	9,683.00	TON
0050	01982	DELINEATOR FOR GUARDRAIL-WHITE	410.00	EACH
0060	01983	DELINEATOR FOR GUARDRAIL-YELLOW	50.00	EACH
0070	02223	GRANULAR EMBANKMENT	30.00	CUYD
0080	02230	EMBANKMENT IN PLACE	500.00	CUYD
0090	02351	GUARDRAIL-STEEL W BEAM-S FACE	18,225.00	LF
0100	02367	GUARDRAIL END TREATMENT TYPE 1	13.00	EACH
0110	02369	GUARDRAIL END TREATMENT TYPE 2A	16.00	EACH
0120	02381	REMOVE GUARDRAIL	16,537.00	LF
0130	02469	CLEAN SINKHOLE	1.00	EACH
0140	02562	SIGNS	512.00	SQFT
0150	02599	FABRIC-GEOTEXTILE TYPE IV	20.00	SQYD
0160	02650	MAINTAIN & CONTROL TRAFFIC HART CO.	1.00	LS
0170	02671	VAR MESSAGE SIGN-PORT 3 LINE	2.00	EACH
0180	02676	MOBILIZATION FOR MILL & TEXT HART CO.	1.00	LS
0190	02677	ASPH PAVE MILLING & TEXTURING	12,410.00	TON
0200	02929	CRASH CUSHION TYPE IX	8.00	EACH
0340	03171	CONCRETE BARRIER WALL TYPE 9T	1,200.00	LF
0210	03269	TRIM & REMOVE TREES & BRUSH	43,655.00	LF
0220	06511	PAVE STRIPING-TEMP PAINT-6 IN	72,300.00	LF
0230	06546	PAVE STRIPING-THERMO-12 INCH W	2,375.00	LF
0240	06550	PAVE STRIPING-TEMP REM TAPE-W	5,000.00	LF
0250	06551	PAVE STRIPING-TEMP REM TAPE-Y	5,000.00	LF
0260	06592	PAVEMENT MARKER TYPE V-B W/R	618.00	EACH
0270	06593	PAVEMENT MARKER TYPE V-B Y/R	160.00	EACH
0280	06600	REMOVE PAVEMENT MARKER TYPE V	600.00	EACH
0290	08100	CONCRETE-CLASS A	40.00	CUYD
0300	08150	STEEL REINFORCEMENT	784.00	LB
0310	10000NS	LOT PAY ADJUSTMENT	25,000.00	DOLL
0320	10020NS	FUEL ADJUSTMENT	14,119.00	DOLL
0330	10030NS	ASPHALT ADJUSTMENT	28,523.00	DOLL
0350	20362ES403	SHOULDER RUMBLE STRIPS-SAWED	94,200.00	LF
0360	20588NC	INSTALL PROJECT IDENTIFICATION SIGNS	2.00	EACH
0370	20754EC	REMOVE RAISED MEDIAN	360.00	LF
0380	21339ED	PAVE STRIPING PERM-6 IN HD21A-WHITE	72,300.00	LF
0390	21340ED	PAVE STRIPING PERM-6 IN HD21A-YELLOW	50,300.00	LF
0400	21415ND	EROSION CONTROL HART CO.	1.00	LS
0410	02569	DEMobilIZATION	1.00	LS

## CONCRETE SUMMARY FOR CONCRETE WALL BETWEEN PIERS AND MEDIAN BARRIER ENDS FOR TYPE IX CRASH CUSHIONS

### CONCRETE MEDIAN BARRIER END FOR CRASH CUSHION TYPE IX

STANDARD DRAWING RBE-070-03

Barrier End for 3' Pier (One End)	Class A Concrete 5.73 CY	Steel Reinforcement 196 LBS
-----------------------------------	-----------------------------	--------------------------------

### Concrete Wall Between Piers

**Underpass  
MP 54.054**

Out to Out for Piers	# Piers	Pier Diam.	Between Piers	Class A Concrete for Footing (Cu Yd)	Class A Concrete for Wall (Cu Yd)	Class A Concrete for 2 Barrier Ends	Steel Reinforcement for 2 Barrier Ends
31	3	3	22.00	2.75	6.53	11.46	392
Excavation	506 cu yds						

**KY 218 Underpass  
MP 57.6**

Out to Out for Piers	# Piers	Pier Diam.	Out to Out Piers	Class A Concrete for Footing (Cu Yd)	Class A Concrete for Wall (Cu Yd)	Class A Concrete for 2 Barrier Ends	Steel Reinforcement for 2 Barrier Ends
24	2	3	18.00	2.25	5.34	11.46	392
Excavation	506 cu yds						

### Material Summary for Concrete Median Barrier Ends and Walls Between Piers

**HART CO.**

Total CL A Concrete	39.79 Cu Yd
Total Steel Reinforcement	784 Lb
Excavation	1012.00 Cu Yd

**REMOVE RAISED MEDIAN 360 L.F**

## Hart County Guardrail Summary I - 65

	Remove Rail	NEW Rail	Remove End Treatment				Install End Treatment				Crash Type IX
			Type 1	Type2A	Type3	Type4	Type1	Type2A	Type3	Type4	
Hart Co.											
Pier 54.054											4
Pier 57.60											4
NB	6050	6600		9	1	1	4	7			
SB	7250	8375		12			6	6			
Ramps	3237	3237	0	4	0	2	3	3	0	0	
Totals	16537	18212		25	1	3	13	16			8
Project Total	16537	18212		25	1	3	13	16			8

**I-65  
Guardrail, Guardrail End Treatments  
North Bound**

From MP	To MP	L.F. of G-Rail to Remove	L.F. of G-Rail to Install	End Treatment to Remove	End Treatment to Install	Pipe to Install	Embankment Install
<b>HART CO</b>							
53.956	54.054	525.000	575.000	Type 2A	Type 2A		
55.032	55.138	550.000	825.000	Type 2A, Type 2A	Type 1, Type 2A		
55.744	56.001	1350.000	1350.000	Type 2A, Type 2A	Type 1, Type 2A		
56.353	56.676	1775.000	1850.000	Type 3, Type 2A	Type 1, Type 2A		
56.802	57.057	1325.000	1325.000	Type 2A, Type 2A	Type 2A, Type 2A		2.5' ditch
57.472	57.602	525.000	675.000	Type 4, Type 2A	Type 1, Type 2A		
<b>Totals</b>		6050.000	6600.000			0	
<b>HART CO. Subtotals</b>							
		6050.000	6600.000	9 - TYPE 2A 1 - TYPE 3 1 - TYPE 4	4 - TYPE 1 7 - TYPE 2A		

**I-65  
Guardrail, Guardrail End Treatments  
South Bound**

From MP	To MP	L.F. of G-Rail to Remove	L.F. of G-Rail to Install	End Treatment to Remove	End Treatment to Install	Pipe to Install	Embankment Install
HART CO							
57.661	57.471	1000.000	1000.000	Type 2A, Type 2A	Type 1, Type 2A		
56.385	56.111	1450.000	1450.000	Type 2A, Type 2A	Type 1, Type 2A		
55.831	55.663	1100.000	1400.000	Type 2A, Type 2A	Type 1, Type 2A		
55.500	55.183	1475.000	1675.000	Type 2A, Type 2A	Type 1, Type 2A		
54.870	54.482	1675.000	2025.000	Type 2A, Type 2A	Type 1, Type 2A		
54.210	54.050	550.000	825.000	Type 2A, Type 2A	Type 1, Type 2A		
HART CO.	Subtotal	7250.000	8375.000	12 - TYPE 2A	6 - TYPE 2A 6 - TYPE 1		

Move g-rail to 10' from Pavement

## I - 65 Guard - Rail

Horse Cave Ramps Hart Co.	Remove G.R.	Install New Rail	Remove End Treatment	Install End Treatment
Ramp A	350	350	n/a	n/a
Ramp B	0	0	n/a	n/a
Ramp C	1050 812	1050 812	2A,leave existing 2A, 2A	2A, Tie to existing Type1 , 2A
Ramp D	725 300	725 300	Type 4, 2A Type 4, Tie to existing	Type 1 , 2A Type 4 , Tie to existing
<b>Totals</b>	<b>3237</b>	<b>3237</b>	<b>2-Type 4 , 4-Type 2A</b>	<b>2- Type 1, 1-Type4 3 - Type 2A</b>

**CONCRETE SUMMARY FOR CONCRETE WALL BETWEEN PIERS AND MEDIAN  
BARRIER ENDS FOR TYPE IX CRASH CUSHIONS**

**CONCRETE MEDIAN BARRIER END FOR CRASH  
CUSHION TYPE IX**

**STANDARD DRAWING RBE-070-03**

Barrier End for 3' Pier (One End)	Class A Concrete 5.73 CY	Steel Reinforcement 196 LBS
-----------------------------------	-----------------------------	--------------------------------

**Concrete Wall Between Piers**

**KY 90**

**MP 52.410**

Out to Out for Piers	# Piers	Pier Diam.	Between Piers	Class A Concrete for Footing (Cu Yd)	Class A Concrete for Wall (Cu Yd)	Class A Concrete for 2 Barrier Ends	Steel Reinforcement for 2 Barrier Ends
25	3	3	16.00	2.00	4.75	11.46	392
Excavation	506 cu yds						

**Material Summary for Concrete Median Barrier Ends and Walls Between Piers**

**BARREN CO.**

<b>Total CL A Concrete</b>	<b>18.21 Cu Yd</b>	
<b>Total Steel Reinforcement</b>	<b>392 Lb</b>	
<b>Excavation</b>	<b>506.00 Cu Yd</b>	<b>RAISED MEDIAN 180 LF</b>

## Hart County Guardrail Summary I - 65

	Remove Rail	NEW Rail	Remove End Treatment				Install End Treatment				Crash Type IX
			Type 1	Type2A	Type3	Type4	Type1	Type2A	Type3	Type4	
Hart Co.											
Pier 54.054											4
Pier 57.60											4
NB	6050	6600		9	1	1	4	7			
SB	7250	8375		12			6	6			
Ramps	3237	3237	0	4	0	2	3	3	0	0	
Totals	16537	18212		25	1	3	13	16			8
Project Total	16537	18212		25	1	3	13	16			8

**I-65  
Guardrail, Guardrail End Treatments  
North Bound**

From MP	To MP	L.F. of G-Rail to Remove	L.F. of G-Rail to Install	End Treatment to Remove	End Treatment to Install	Pipe to Install	Embankment Install
HART CO							
53.956	54.054	525.000	575.000	Type 2A	Type 2A		
55.032	55.138	550.000	825.000	Type 2A, Type 2A	Type 1, Type 2A		
55.744	56.001	1350.000	1350.000	Type 2A, Type 2A	Type 1, Type 2A		
56.353	56.676	1775.000	1850.000	Type 3, Type 2A	Type 1, Type 2A		
56.802	57.057	1325.000	1325.000	Type 2A, Type 2A	Type 2A, Type 2A		2.5' ditch
57.472	57.602	525.000	675.000	Type 4, Type 2A	Type 1, Type 2A		
Totals		6050.000	6600.000			0	
HART CO.							
Subtotals		6050.000	6600.000	9 - TYPE 2A 1 - TYPE 3 1 - TYPE 4	4 - TYPE 1 7 - TYPE 2A		

**I-65  
Guardrail, Guardrail End Treatments  
South Bound**

From MP	To MP	L.F. of G-Rail to Remove	L.F. of G-Rail to Install	End Treatment to Remove	End Treatment to Install	Pipe to Install	Embankment Install
HART CO							
57.661	57.471	1000.000	1000.000	Type 2A, Type 2A	Type 1, Type 2A		
56.385	56.111	1450.000	1450.000	Type 2A, Type 2A	Type 1, Type 2A		
55.831	55.663	1100.000	1400.000	Type 2A, Type 2A	Type 1, Type 2A		
55.500	55.183	1475.000	1675.000	Type 2A, Type 2A	Type 1, Type 2A		
54.870	54.482	1675.000	2025.000	Type 2A, Type 2A	Type 1, Type 2A		
54.210	54.050	550.000	825.000	Type 2A, Type 2A	Type 1, Type 2A		
HART CO.	Subtotal	7250.000	8375.000	12 - TYPE 2A	6 - TYPE 2A 6 - TYPE 1		

Move g-rail to 10' from Pavement

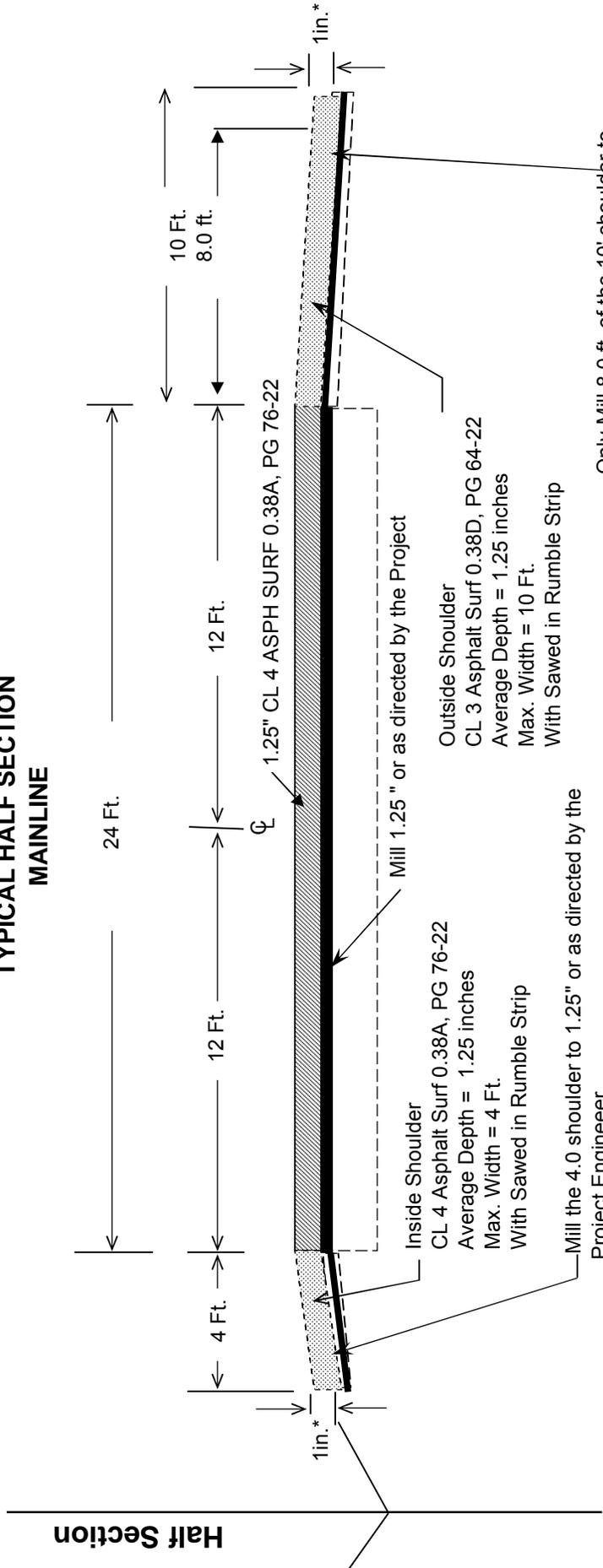
# I - 65 Guard - Rail

Horse Cave Ramps Hart Co.	Remove G.R.	Install New Rail	Remove End Treatment	Install End Treatment
Ramp A	350	350	n/a	n/a
Ramp B	0	0	n/a	n/a
Ramp C	1050 812	1050 812	2A,leave existing 2A, 2A	2A, Tie to existing Type1 , 2A
Ramp D	725 300	725 300	Type 4, 2A Type 4, Tie to existing	Type 1 , 2A Type 4 , Tie to existing
<b>Totals</b>	<b>3237</b>	<b>3237</b>	<b>2-Type 4 , 4-Type 2A</b>	<b>2- Type 1, 1-Type4 3 - Type 2A</b>

**BARREN & HART COUNTY**

**I-65**

**TYPICAL HALF SECTION  
MAINLINE**

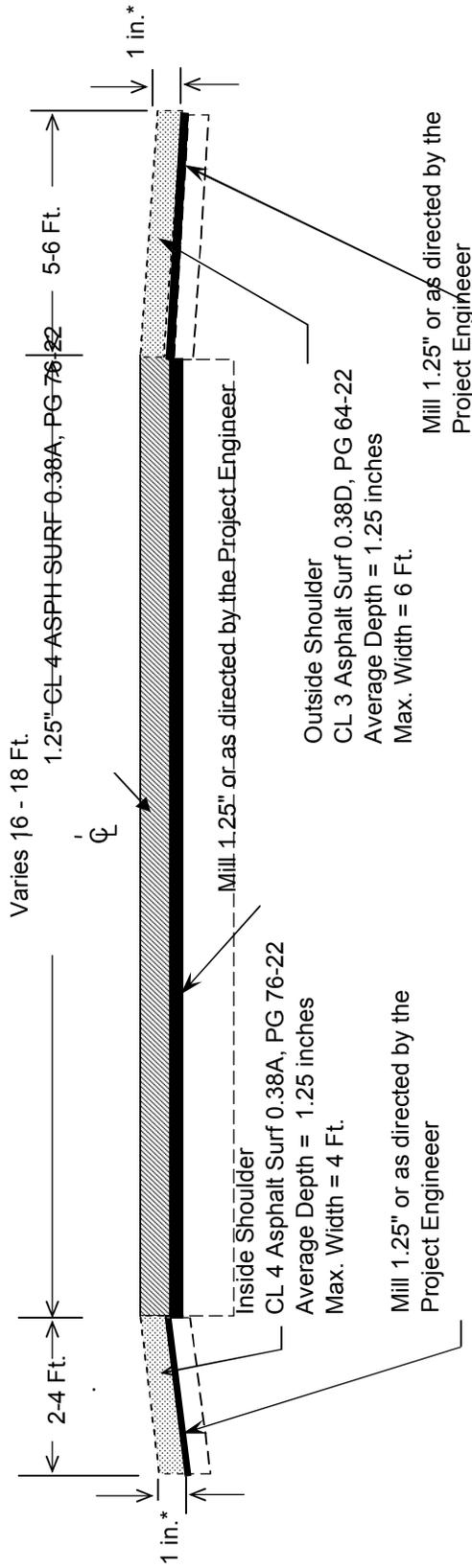


Only Mill 8.0 ft. of the 10' shoulder to 1.25" depth or as directed by the Project Engineer. Mill to edge of shoulder at all locations needed to drain water. Sags and supers.

**\*Where Existing Site Conditions Permit**

**BARREN & HART COUNTY**

**I-65  
TYPICAL SECTION  
RAMP**



**\*Where Existing Site Conditions Permit**

## **PART II**

### **SPECIFICATIONS AND STANDARD DRAWINGS**

## **SPECIFICATIONS REFERENCE**

Any reference in the plans or proposal to the *Standard Specifications for Road and Bridge Construction, Edition of 2000*, and *Standard Drawings, Edition of 2000* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2004* and *Standard Drawings, Edition of 2003*.

Special Notes [SN] and Special Provisions [SP] marked with an asterisk \* and listed under Part II of the Table of Contents within this proposal can be referenced in the *Standard Specifications for Road and Bridge Construction, Edition of 2004*. Special Notes and Special Provisions not marked with an asterisk will be attached to this proposal.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b> 105.07 COOPERATION WITH UTILITIES. <b>REVISION:</b> In the last paragraph, replace “KRS 367 Sections 1 through 10” with “KRS 367.4901 through 367.4917”
<b>SUBSECTION:</b> 108.01 SUBCONTRACTING OF CONTRACT. <b>REVISION:</b> 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.
<b>SUBSECTION:</b> 109.07 PRICE ADJUSTMENT. <b>REVISION:</b> 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"><li>• Asphalt Curing Seal</li><li>• Asphalt Material for Prime</li><li>• Asphalt Base, All Classes</li><li>• Asphalt Binder</li><li>• Asphalt Surface, All Classes</li><li>• Sand Asphalt Surface</li><li>• Asphalt Open-Graded Surface</li><li>• Asphalt Seal Coat</li><li>• Asphalt Mixture for Leveling and Wedging</li><li>• Drainage Blanket - Type II - Asphalt</li></ul> 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.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

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 <sup>(1)</sup>	3.00
PCC Pavement, Base, or Shoulders	2,000 square yards <sup>(2)</sup>	0.14

<sup>(1)</sup>Total of all hot mixed asphalt Contract items.

<sup>(2)</sup>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.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 110.01 MOBILIZATION. <b>REVISION:</b> Replace the third paragraph with the following:</p>	<p>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.</p>						
<p><b>SUBSECTION:</b> 110.02 DEMOBILIZATION. <b>REVISION:</b> Replace the first sentence of the third paragraph with the following:</p>	<p>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.</p>						
<p><b>SUBSECTION:</b> 206.03.03 Compaction. <b>REVISION:</b> Replace "KM 64-412" with "KM 64-002"</p>							
<p><b>SUBSECTION:</b> 206.04.01 Embankment-in-Place. <b>REVISION:</b> Replace the first sentence of the sixth paragraph with the following:</p>	<p>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.</p>						
<p><b>SUBSECTION:</b> 212.03.03 Permanent Seeding and Protection. <b>PART:</b> Delete Part C) and replace Parts A) and B) with the following: <b>REVISION:</b> A) Seed Mixtures for Permanent Seeding.</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Seed Mix Type I:</td> <td style="padding-left: 20px;">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>)</td> </tr> <tr> <td style="padding-left: 20px;">Seed Mix Type II:</td> <td style="padding-left: 20px;">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>)</td> </tr> <tr> <td style="padding-left: 20px;">Seed Mix Type III:</td> <td style="padding-left: 20px;">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>)</td> </tr> </table> <ol style="list-style-type: none"> <li>1) Permanent Seeding on Slopes 3:1 or Less. Apply seed mix Type I at a minimum application rate of 100 pounds per acre.</li> <li>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</li> </ol>	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> )
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> )						

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

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>
<b>SUBSECTION:</b> <b>REVISION:</b>	213.03.01 Best Management Practices (BMP). Replace the second and third sentence of the first paragraph with the following:  Include erosion control for all off right of way work performed under a Department acquired permit. Ensure that the BMP provides storage for 3,600 cubic feet of water per surface acre disturbed.
<b>SUBSECTION:</b> <b>REVISION:</b>	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.
<b>SUBSECTION:</b> <b>REVISION:</b>	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.
<b>SUBSECTION:</b> <b>PART:</b> <b>REVISION:</b>	213.03.05 Temporary Control Measures. B) Silt Checks. B) Silt Checks. Use one of the following types:  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.  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.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 213.03.05 Temporary Control Measures. <b>PART:</b> F) Temporary Seeding and Protection. <b>REVISION:</b> Replace the first sentence with the following:</p>	<p>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.</p>
<p><b>SUBSECTION:</b> 213.03.05 Temporary Control Measures. <b>PART:</b> G) Temporary Mulch. <b>REVISION:</b> Replace the last sentence with the following:</p>	<p>Place temporary mulch to an approximate 2-inch loose depth (2 tons per acre) and apply tackifier.</p>
<p><b>SUBSECTION:</b> 213.04.15 Temporary Silt Ditch. <b>REVISION:</b> Replace with the following:</p>	<p>The Department will measure the quantity in linear feet.</p>
<p><b>SUBSECTION:</b> 213.04 MEASUREMENT. <b>REVISION:</b> Add the following Subsection:</p>	<p>213.04.24 Clean Temporary Silt Ditch. The Department will measure the quantity in linear feet along the ditch line.</p>
<p><b>SUBSECTION:</b> 213.05 PAYMENT. <b>REVISION:</b> Add the following lines:</p>	<p>20594 Temporary Silt Ditch                      Linear Foot 20601 Clean Temporary Silt Ditch              Linear Foot</p>
<p><b>SUBSECTION:</b> 303.03.01 Mixture <b>PART:</b> C) Cement Treated Mixture. <b>REVISION:</b> Delete the "For asphalt pavements" from the second paragraph.</p>	
<p><b>SUBSECTION:</b> 303.03.01 Mixture <b>PART:</b> C) Cement Treated Mixture. <b>REVISION:</b> Delete requirement "2".</p>	
<p><b>SUBSECTION:</b> 401.02.01 All Asphalt Mixing Plants. <b>REVISION:</b> Replace the third paragraph and numbers 1) and 2) with the following:</p>	<p>When plants are in operation, the Department will require one computer on the site of operations for the purpose of recording and submitting test data. Ensure Microsoft Office 2003 Professional, full installation, is installed on the computer and used for data submittal.</p>
<p><b>SUBSECTION:</b> 402.03.02 Acceptance. <b>PART:</b> D) Testing Responsibilities. <b>NUMBER:</b> 4) Density. <b>REVISION:</b> Replace the first sentence of the third paragraph with the following:</p>	<p>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.</p>
<p><b>SUBSECTION:</b> 402.03.02 Acceptance. <b>PART:</b> H) Unsatisfactory Work. <b>NUMBER:</b> 1) Based on Lab Data. <b>REVISION:</b> Replace the "AASHTO MP2" references in the second paragraph with "AASHTO M 323".</p>	
<p><b>SUBSECTION:</b> 402.04 MEASUREMENT. <b>REVISION:</b> Replace the last sentence with the following:</p>	<p>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.</p>

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 402.04.01 Weight. <b>REVISION:</b> Replace first sentence of the second paragraph with the following:</p>	<p>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.</p>												
<p><b>SUBSECTION:</b> 402.04.02 Thickness on New Construction. <b>REVISION:</b> Delete the third paragraph and add the following at the end of the subsection:</p>	<p>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.</p>												
<p><b>SUBSECTION:</b> 402.05.02 <b>PARTS:</b> 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 <b>REVISION:</b> Replace the VMA table with the following:</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">VMA</th> </tr> <tr> <th style="text-align: center;">Pay Value</th> <th style="text-align: center;">Deviation From Minimum</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.00</td> <td style="text-align: center;">≤ 0.5 below min. VMA</td> </tr> <tr> <td style="text-align: center;">0.95</td> <td style="text-align: center;">0.6-1.0 below min.</td> </tr> <tr> <td style="text-align: center;">0.90<sup>(2)</sup></td> <td style="text-align: center;">1.1-1.5 below min.</td> </tr> <tr> <td style="text-align: center;"><sup>(1)</sup>/<sub>(2)</sub></td> <td style="text-align: center;">&gt; 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 <sup>(2)</sup>	1.1-1.5 below min.	<sup>(1)</sup> / <sub>(2)</sub>	> 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 <sup>(2)</sup>	1.1-1.5 below min.												
<sup>(1)</sup> / <sub>(2)</sub>	> 1.5 below min.												
<p><b>SUBSECTION:</b> 403.03.03 Preparation of Mixture. <b>PART:</b> A) Mixture Composition. <b>REVISION:</b> Replace the “AASHTO MP2” reference in the first paragraph with “AASHTO M 323”.</p>	<p>From the aggregate requirements list, delete 3) Type C.</p>												
<p><b>SUBSECTION:</b> 403.03.03 Preparation of Mixture. <b>PART:</b> C) Mix Design Criteria. <b>REVISION:</b> Replace the “AASHTO MP2” references with “AASHTO M 323”.</p>	<p>Replace the “AASHTO PP28” references in the second paragraph with “AASHTO R 35”.</p>												
<p><b>SUBSECTION:</b> 403.03.03 Preparation of Mixture. <b>PART:</b> C) Mix Design Criteria. <b>NUMBER</b> 1) Preliminary Mix Design. <b>REVISION:</b> Add the following footnote to the table and associate it with the ESAL’s field “&lt;0.3”:</p>	<p>* For CL1 ASPH SURF 0.38D PG64-22 only.</p>												
<p><b>SUBSECTION:</b> 403.03.06 Thickness Tolerances. <b>PART:</b> B) New Construction. <b>REVISION:</b> Replace the first paragraph with the following:</p>	<p>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.</p>												

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

**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.

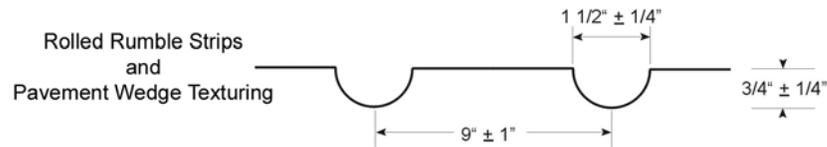
1) Interstates and Parkways. Construct sawed rumble strips on all mainline shoulders to the dimensions shown below. Do not place rumble strips on ramps.

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.

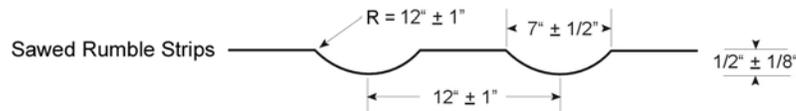
Construct rolled rumble strips on mainline shoulders to the dimensions shown below. On shoulders less than 3 feet wide, shorten the width and distance of the strips as the Engineer directs. Time the rolling operation so indentations are at the specified size and depth without causing unacceptable displacement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

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b>	403.05 PAYMENT						
<b>REVISION:</b>	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					
<b>SUBSECTION:</b>	501.03.20 Opening to Public Traffic.						
<b>REVISION:</b>	Delete the last sentence of the first paragraph.						
<b>SUBSECTION:</b>	501.03.21 Tolerance in Pavement Thickness.						
<b>REVISION:</b>	Add the following:  Core the pavement as the Engineer directs.						
<b>SUBSECTION:</b>	501.04.06 Thickness.						
<b>REVISION:</b>	Add the following:  The Department will not measure coring for payment and will consider it incidental to the concrete pay items.						
<b>SUBSECTION:</b>	502.03 CONSTRUCTION.						
<b>PART:</b>	C) Curing and Protecting Pavement.						
<b>NUMBER:</b>	3)						
<b>REVISION:</b>	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.						
<b>SUBSECTION:</b>	502.03 CONSTRUCTION.						
<b>PART:</b>	D) Strength Testing and Opening to Traffic.						
<b>NUMBER:</b>	2) Testing.						
<b>REVISION:</b>	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.						
<b>SUBSECTION:</b>	503.03.09 Ride Quality.						
<b>REVISION:</b>	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.						
<b>SUBSECTION:</b>	601.03.02 Concrete Producer Responsibilities.						
<b>REVISION:</b>	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:						

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> C) Quality Control. <b>REVISION:</b> 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><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> F) Records. <b>REVISION:</b> 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><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> G) Mix Designs. <b>REVISION:</b> 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. Submit the mix design electronically using Microsoft Office 2003 Professional, full installation, and the Concrete Mix Design Spreadsheet located on the Division of Materials Website.</p>
<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> G) Mix Designs. <b>NUMBER:</b> 1) New Mixture Designs. <b>REVISION:</b> 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><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> G) Mix Designs. <b>NUMBER:</b> 1) New Mixture Designs. <b>LETTER:</b> b)</p>
<p><b>REVISION:</b> 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><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> G) Mix Designs. <b>NUMBER:</b> 1) New Mixture Designs. <b>LETTER:</b> g) <b>REVISION:</b> 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>

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> G) Mix Designs. <b>NUMBER:</b> 2) Approval. <b>REVISION:</b> Replace the first sentence with the following:  The District Materials Engineer or Central Office Materials will base approval of the mixture design on the following criteria:
<b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities. <b>PART:</b> G) Mix Designs. <b>NUMBER:</b> 3) Changes in Approved Mix Designs. <b>REVISION:</b> Replace the first sentence with the following:  Do not change the source of supply of the mixture ingredients without the District Materials Engineer's or Central Office Materials written permission.  Replace the third sentence with the following:  Upon the District Materials Engineer's or Central Office Materials written approval, the Department will allow the use of aggregate from the new source.
<b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements. <b>PART:</b> A) Concrete. <b>TABLE:</b> INGREDIENT PROPORTIONS AND REQUIREMENTS FOR VARIOUS CLASSES OF CONCRETE <b>REVISION:</b> Under Class of Concrete replace "AAA <sup>(9)</sup> " with "AAA <sup>(8)</sup> "
<b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements. <b>PART:</b> A) Concrete. <b>FOOTNOTE:</b> (6) <b>REVISION:</b> Add the following after the first sentence of the first paragraph:  For products with voids, the slump may be increased to 7 inches.  Replace the "0.3" requirement for Spring and Fall mix designs with "0.37".
<b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements. <b>PART:</b> A) Concrete. <b>FOOTNOTE:</b> (7) <b>REVISION:</b> Replace with the following:  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.
<b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements. <b>PART:</b> E) Measuring. <b>NUMBER:</b> 3) Water. <b>REVISION:</b> Delete the last sentence of the second paragraph.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements. <b>PART:</b> E) Measuring. <b>NUMBER:</b> 4) Measuring Admixtures. <b>REVISION:</b> Replace with the following:  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. 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. The Department may allow admixtures to be added, to the truck, at the project site provided the Engineer's approval is obtained first.
<b>SUBSECTION:</b> 601.03.04 Classes and Primary Uses. <b>REVISION:</b> Add the following part:  R) Dry Cast. Precast units.
<b>SUBSECTION:</b> 601.03.05 Admixtures. <b>REVISION:</b> 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.
<b>SUBSECTION:</b> 601.03.09 Placing Concrete. <b>PART:</b> D) Weather Limitations and Protection. <b>REVISION:</b> Delete the last sentence of paragraph two.
<b>SUBSECTION:</b> 605.03 CONSTRUCTION. <b>REVISION:</b> 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.
<b>SUBSECTION:</b> 605.03.03 Casting. <b>REVISION:</b> 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).
<b>SUBSECTION:</b> 605.03.04 Tack welding. <b>REVISION:</b> Replace the first sentence with the following:  When tack welding steel reinforcement, use ASTM A 706 steel and conform to the following conditions.
<b>SUBSECTION:</b> 605.03.04 Tack Welding. <b>NUMBER:</b> 3) <b>REVISION:</b> 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.
<b>SUBSECTION:</b> 605.03.04 Tack Welding. <b>NUMBER:</b> 5) <b>REVISION:</b> 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.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b>	605.03.04 Tack Welding.
<b>NUMBER:</b>	6)
<b>REVISION:</b>	Delete the last sentence.
<b>SUBSECTION:</b>	605.03.04 Tack Welding.
<b>REVISION:</b>	Change footnote "(4) (d)" to "(5)"
<b>SUBSECTION:</b>	605.03.07 Removal of Forms and Surface Finish.
<b>REVISION:</b>	Add the following sentence before the last sentence of the paragraph:  Finish dry cast products according to the Precast/Prestressed Concrete Manual.
<b>SUBSECTION:</b>	611.02.01 Concrete.
<b>REVISION:</b>	Replace with the following:  Conform to Subsections 601.02 and 601.03 and the Precast/Prestress Concrete Manual.
<b>SUBSECTION:</b>	611.03.02 Precast Unit Construction.
<b>REVISION:</b>	Replace "AASHTO C 1433" with "ASTM C 1433"
<b>SUBSECTION:</b>	611.03.02 Precast Unit Construction.
<b>NUMBER:</b>	2)
<b>REVISION:</b>	Replace with the paragraph with the following:  Mark all box culverts sections with the following information on the inside top of each section with letters no less than 2 inches high:  <ul style="list-style-type: none"> <li>a) Span, rise, maximum and minimum design earth cover, and KY Table 3.</li> <li>b) Date of manufacture.</li> <li>c) Name and trademark of the manufacturer.</li> </ul> For entrance and exit box sections, indent the required information. Mark interior sections by indenting or with waterproof paint.
<b>SUBSECTION:</b>	701.02.05 Backfill Materials.
<b>PART:</b>	A) Granular Backfill.
<b>NUMBER:</b>	1)
<b>REVISION:</b>	Remove "A2" from the list of acceptable materials.
<b>SUBSECTION:</b>	701.03.03 Pipe Bedding.
<b>REVISION:</b>	Replace with the following:  701.03.03 Pipe Bedding.  A) Reinforced Concrete Pipe. Construct bedding according to the Standard Drawings and this section.  <ul style="list-style-type: none"> <li>1) Type 1 Installation. When working on a rock foundation, place bedding to a depth of 6 inches or equal to <math>B_c/12</math>, 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 (<math>B_c/3</math>) uncompacted. Place and compact additional bedding material in lifts 6 inches or less to an elevation of 0.30 the culvert diameter.</li> <li>2) Type 4 Installation. When working on a rock foundation, place bedding to a depth of 6 inches or equal to <math>B_c/12</math>, the pipe diameter in inches divided by 12, whichever is greater. For all other foundations, place a minimum of 4 inches of bedding.</li> </ul> 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.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 701.03.06 Initial Backfill. <b>PART:</b> A) Reinforced Concrete <b>REVISION:</b> Replace with the following:</p>	<p>A) Reinforced Concrete Pipe.</p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>
<p><b>SUBSECTION:</b> 701.05 PAYMENT. <b>REVISION:</b> Replace bid item “2599 Fabric-Geotextile, Type IV Square Yard” with “21433ES214 Fabric-Geotextile, Type IV for Pipe Square Yard<sup>(2)</sup>”</p>	<p>Replace foot note “** The unit bid price is \$2.00 per square yard for Geotextile Fabric, Type III” with “<sup>(2)</sup>The unit price is \$2.00 per square yard for Fabric-Geotextile, Type IV for Pipe”</p>
<p><b>SUBSECTION:</b> 710.02.15 Plastic Adjusting Rings. <b>REVISION:</b> Replace this section with:</p>	<p>710.02.15 Plastic or Rubber Adjusting Rings. Provide plastic or rubber adjusting rings that are on the Department’s List of Approved Materials.</p>
<p><b>SUBSECTION:</b> 710.03.03 Adjusted Small Drainage Structures. <b>REVISION:</b> Replace the last sentence of the first paragraph:</p>	<p>For plastic or rubber adjusting rings, install and seal according to the manufacturer’s recommendations.</p>
<p><b>SUBSECTION:</b> 711.02 MATERIALS. <b>REVISION:</b> Replace with the following:</p>	<p>Conform to the Contract requirements.</p>
<p><b>SUBSECTION:</b> 713.03 CONSTRUCTION. <b>REVISION:</b> Add the following after the third paragraph:</p>	<p>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.</p>
<p><b>SUBSECTION:</b> 714.03.06 Proving Period for Durable Markings. <b>PART:</b> B) Failure. <b>REVISION:</b> Replace the first sentence with the following:</p>	<p>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.</p>
<p><b>SUBSECTION:</b> 716.03.08 Testing. <b>REVISION:</b> Replace “10 megohms” with “100 megohms”</p>	
<p><b>SUBSECTION:</b> 721.03 CONSTRUCTION. <b>REVISION:</b> Replace the third paragraph with the following:</p>	<p>Install fence 18 inches inside the right-of-way line or in other locations specifically indicated.</p>
<p><b>SUBSECTION:</b> 723.03 CONSTRUCTION. <b>REVISION:</b> Replace the first sentence of the fourth paragraph with the following:</p>	<p>Set right-of-way markers within 12 inches of the right-of-way line.</p>

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b>	724.02.01 Plants.
<b>REVISION:</b>	Replace the reference “American Association of Nurserymen” with “American Nursery and Landscape Association”.
<b>SUBSECTION:</b>	801.01 REQUIREMENTS.
<b>REVISION:</b>	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 <sub>3</sub> content above the value in Table 1 of ASTM C 150.
<b>SUBSECTION:</b>	804.01.03 Conglomerate Sand.
<b>REVISION:</b>	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.
<b>SUBSECTION:</b>	804.02 Approval.
<b>REVISION:</b>	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:
<b>SUBSECTION:</b>	804.03 Concrete.
<b>REVISION:</b>	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:
<b>SUBSECTION:</b>	804.04.03 Polish-Resistant Aggregate.
<b>REVISION:</b>	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.
<b>SUBSECTION:</b>	804.04.04 Requirements for Combined Aggregates.
<b>PART:</b>	D) Absorption.
<b>REVISION:</b>	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.
<b>SUBSECTION:</b>	804.11 Sampling and Testing.
<b>REVISION:</b>	For Absorption (Fine Aggregate), replace method “AASHTO T 84” with “KM 64-605”
<b>SUBSECTION:</b>	805.02 Approval.
<b>REVISION:</b>	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:

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b>	805.04.01 JPC Base, JPC Pavement, JPC Shoulders, and Concrete for Bridge Decks.
<b>REVISION:</b>	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.
<b>SUBSECTION:</b>	805.04.01 JPC Base, JPC Shoulders, and Concrete for Bridge Decks.
<b>PART:</b>	3)
<b>REVISION:</b>	Replace the "tests" with "test" in the last sentence.
<b>SUBSECTION:</b>	805.05.05 Polish-Resistant Aggregate.
<b>REVISION:</b>	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.
<b>SUBSECTION:</b>	805.13.01 Cyclopean Stone Riprap and Channel Lining Class III.
<b>REVISION:</b>	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.
<b>SUBSECTION:</b>	806.03.01 General Requirements.
<b>TEST:</b>	Dynamic Shear
<b>REVISION:</b>	Replace the 100% pay range "5,000-5,500" with "0-5,500"
<b>SUBSECTION:</b>	806.03.03 Modification.
<b>REVISION:</b>	Replace the first sentence with the following:  Use only styrene-butadiene (SB) or styrene-butadiene-styrene (SBS) modifiers.
<b>SUBSECTION:</b>	810.02 APPROVAL.
<b>REVISION:</b>	Replace reference "KM 114" with "KM 115".
<b>SUBSECTION:</b>	810.03.06 Identification and Markings.
<b>REVISION:</b>	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."

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>SUBSECTION:</b> 811.02.01 Requirements. <b>REVISION:</b> 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.
<b>SUBSECTION:</b> 811.09.02 Dowel Bars. <b>REVISION:</b> 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.
<b>SUBSECTION:</b> 811.06 BAR MATS. <b>REVISION:</b> Replace the subsection with the following:  Conform to ASTM A 184 and fabricate by welding deformed Grade 60 weldable bars.
<b>SUBSECTION:</b> 811.09.02 Dowel Bars. <b>REVISION:</b> 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:
<b>SUBSECTION:</b> 811.10.02 Epoxy Coating Material. <b>REVISION:</b> Replace both the reference to "ASTM D 3963 Annex" and "ASTM D 3963" with "AASHTO M 284".
<b>SUBSECTION:</b> 812.01.02 Hot-Rolled Carbon Steel Sheets and Strip of Structural Quality, Grade 33 (Corrugated Steel Plank for Bridge Floors). <b>REVISION:</b> Replace the reference to "ASTM A 570" with "ASTM A 1011"

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

**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:

- 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.

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.

Ensure that noxious weed seeds contained in any seed or seed mixture does not exceed the maximum permitted rate of occurrence per pound.

<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

\* Seed or seed mixtures that contain in excess of 120 total noxious seeds per pound is prohibited

Wildflower seed shall not be planted until approved by the MCL.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<b>REQUIREMENTS FOR SEEDS</b>			
	Purity (Min. %)	Germination (Min. %) Including Hard Seed and Dormant Seed	Hard Seed (Max. %) Allowed in Germination
<b>Grasses</b>			
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>Agrostic 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	-
<b>Legumes</b>			
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
<b>Native Grasses</b>			
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 July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 827.07 EROSION CONTROL BLANKET. <b>REVISION:</b> 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 with a minimum width of 4 feet and length of 50 feet. 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 <math>\leq 0.15</math> 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 (<math>&gt; 0.5</math> inches soil loss) when tested according to ECTC Method 3.</p>
<p><b>SUBSECTION:</b> 828.02 APPROVAL. <b>REVISION:</b> 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><b>SUBSECTION:</b> 843.01.02 Acceptance Procedures for Non-Specification Fabric. <b>TABLE:</b> GRAB STRENGTH PAYMENT REDUCTION <b>REVISION:</b> 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 July 27, 2007 Letting)

<b>SUBSECTION:</b> 844.02.01 Fly Ash. <b>PART:</b> 1) <b>REVISION:</b> Delete the last sentence.
<b>SUBSECTION:</b> 844.02.01 Fly Ash. <b>REVISION:</b> 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

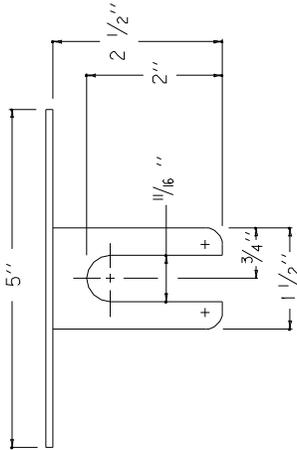
GUARDRAIL TRANSITION FROM NORMAL SHOULDER TO NARROW BRIDGE....	RBB-010-04
GUARDRAIL CONNECTOR TO CONCRETE MEDIAN BARRIER END.....	RBC-100-03
CONCRETE MEDIAN BARRIER END FOR CRASH CUSHION TYPE IX.....	RBE-070-03
CRASH CUSHION TYPE IX .....	RBE-200-03
TYPICAL GUARDRAIL INSTALLATIONS.....	RBI-001-09
TYPICAL GUARDRAIL INSTALLATIONS.....	RBI-002-06
TYPICAL INSTALLATION FOR GUARDRAIL END TREATMENT TYPE 2A.....	RBI-003-06
GUARDRAIL INSTALLATION AT BRIDGE COLUMNS .....	RBI-005-06
CRASH CUSHION TYPE IX INSTALLATION AT MEDIAN PIERS (DEPRESSED MEDIAN) .....	RBI-007-08
CRASH CUSHION INSTALLATION AT MEDIAN PIERS (RAISED OR FLUSH MEDIAN) .....	RBI-009-03
STEEL BEAM GUARDRAIL (W-BEAM) .....	RBR-001-11
GUARDRAIL COMPONENTS .....	RBR-005-10
GUARDRAIL TERMINAL SECTIONS .....	RBR-010-05
GUARDRAIL POSTS .....	RBR-015-04
GUARDRAIL POSTS .....	RBR-016-04
GUARDRAIL END TREATMENT TYPE 2A.....	RBR-025-03
SILT CHECK TYPE I – STRAW BALES .....	RDX-200-02
SILT CHECK TYPE II & III – CRUSHED STONE.....	RDX-205
TEMPORARY SILT FENCE.....	RDX-210-02
TEMPORARY SILT FENCE WITH WOVEN WIRE FENCE FABRIC .....	RDX-215
CURVE WIDENING AND SUPERELEVATION TRANSITIONS.....	RGS-001-06
SUPERELEVATION FOR MULTILANE PAVEMENTS .....	RGS-002-04
MISCELLANEOUS STANDARDS PART 1 .....	RGX-001-04
NETTING .....	RRE-002-04
PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS .....	TPM-105
PAVEMENT MARKER ARRANGEMENT EXIT-GORE AND OFF-RAMP .....	TPM-125
PAVEMENT MARKER ARRANGEMENTS ON-RAMP WITH TAPERED ACCELERATION LANE .....	TPM-130
PAVEMENT MARKER ARRANGEMENT ON-RAMP WITH PARALLEL ACCELERATION LANE .....	TPM-135
LANE CLOSURE MULTI-LANE HIGHWAY CASE I.....	TTC-115
LANE CLOSURE MULTI-LANE HIGHWAY CASE II.....	TTC-120
SHOULDER CLOSURE .....	TTC-135
TEMPORARY PAVEMENT MARKER ARRANGEMENTS FOR LANE CLOSURES .....	TTC-160
MISCELLANEOUS TRAFFIC CONTROL DEVICES .....	TTD-100
MISCELLANEOUS TRAFFIC CONTROL DEVICES .....	TTD-105
POST SPLICING DETAIL .....	TTD-110
ARROW PANEL.....	TTD-115
MOBILE OPERATION FOR PAINT STRIPING CASE III.....	TTS-110
MOBILE OPERATION FOR PAINT STRIPING CASE IV.....	TTS-115

COUNTY OF	FISCAL YEAR	SHEET NO.	TOTAL SHEETS

NOTES

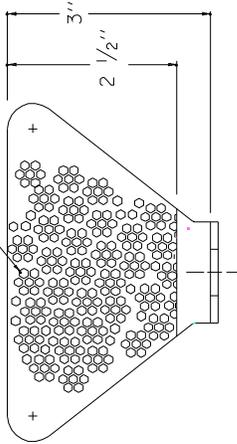
1. DELINEATOR SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR ONE COMPLETE INSTALLATION.
2.
 

CODE	PAY ITEM	PAY UNIT
1982	DELINEATOR FOR GUARDRAIL - WHITE	EACH
1983	DELINEATOR FOR GUARDRL - YELLOW	EACH
3. GUARDRAIL DELINEATORS SHALL BE REQUIRED ON ALL ROADWAYS WITH SHOULDERS 6'-0" IN WIDTH OR LESS AND AT OTHER LOCATIONS WHERE THE GUARDRAIL LEADS INTO HORIZONTAL CURVES OF LESS THAN 950 FEET RADIUS.
4. DELINEATORS SHALL BE MANUFACTURED FROM 12 GA. GALVANIZED STEEL.
5. DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MANUFACTURES TOLERANCES.
6. WHEN CONCRETE BARRIERS EXTEND ACROSS BRIDGE STRUCTURES IN LIEU OF STEEL BEAM GUARDRAIL, DELINEATORS SHALL BE INSTALLED AT SAME VERTICAL ALIGNMENT AS ON THE GUARDRAIL AND DELINEATORS SHALL COMPLY WITH CURRENT STD. DWG. RBM-020.

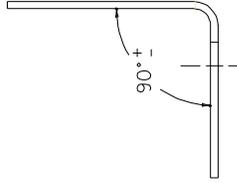


PLAN VIEW

TYPE I REFLEX-REFLECTIVE SHEETING

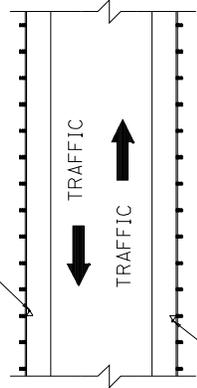


FRONT VIEW

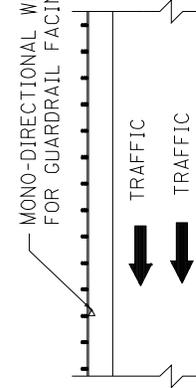


SIDE VIEW

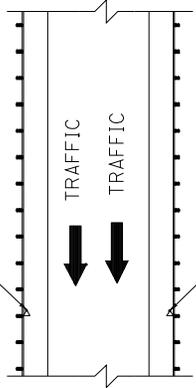
MONO-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC



MONO-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC



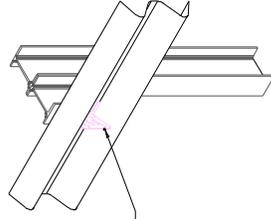
MONO-DIRECTIONAL WHITE DELINEATOR FOR GUARDRAIL FACING TRAFFIC



MONO-DIRECTIONAL YELLOW DELINEATOR FOR GUARDRAIL FACING TRAFFIC

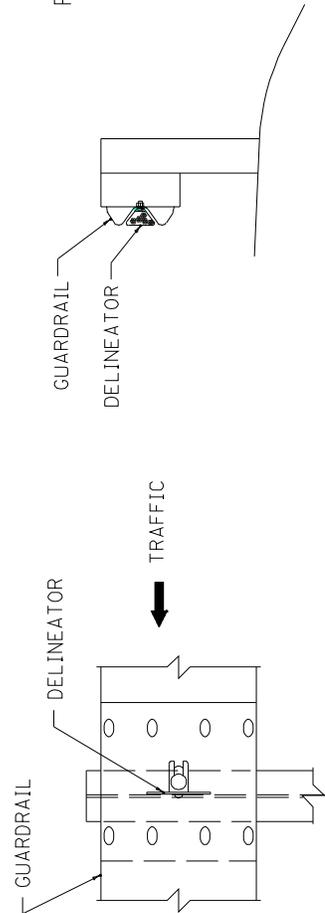


PLACEMENT OF DELINEATORS FOR GUARDRAIL



DELINEATOR

ISOMETRIC VIEW



FRONT VIEW

DELINEATOR SPACINGS ON HORIZONTAL CURVES	
DEGREE OF CURVE	SPACING ON CURVES
$\leq 2^\circ$	100'
$> 2^\circ \leq 4^\circ$	75'
$> 4^\circ$	50'

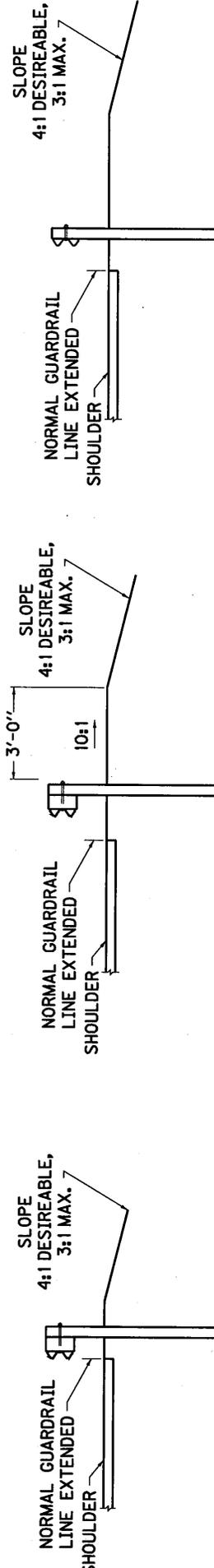
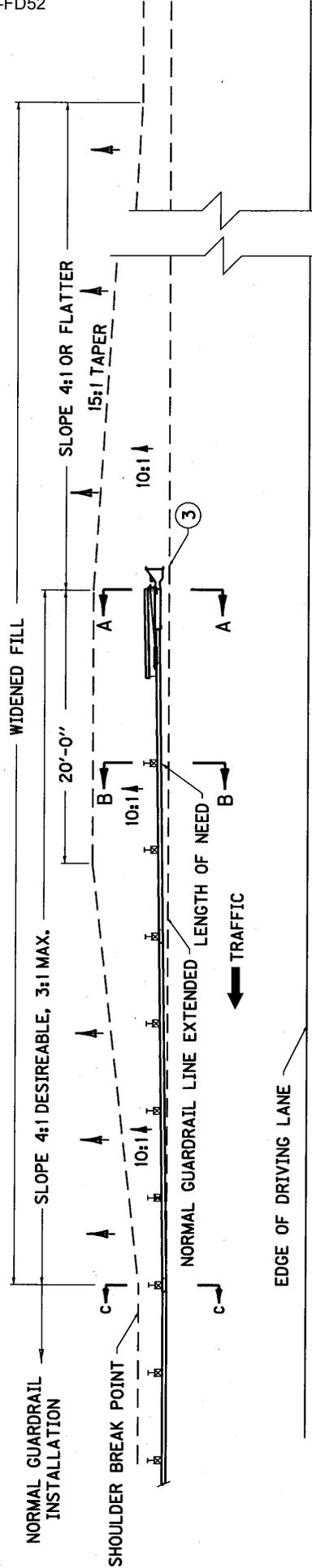
SPACING ON TANGENTS = 100' INTERVALS

**KENTUCKY**  
**DEPARTMENT OF HIGHWAYS**

DELINEATORS  
FOR GUARDRAIL

SUBMITTED *William J. Salbeck* 12-1-99  
TECH DIVISION OF DESIGN DATE

COUNTY OF	ITEM NO.	SHEET NO.



1. BID ITEMS AND UNIT TO BID:
  - A. GUARDRAIL END TREATMENT TYPE 1 - EACH
  - B. MATERIAL USED TO CONSTRUCT WIDENING SHALL BE BID AS ROADWAY OR BORROW EXCAVATION OR EMBANKMENT-IN-PLACE AT THE CONTRACT UNIT PRICE PER CUBIC YARD.
2. THE MINIMUM LENGTH OF GUARDRAIL, INCLUDING THE END TREATMENT, PRECEDING A FIXED OBJECT IS 200 FEET (LENGTH MAY BE REDUCED SHOULD FIELD CONDITIONS WARRANT).
3. GUARDRAIL EXTRUDER EDGE CLOSEST TO TRAFFIC SHALL BE PLACED ON NORMAL GUARDRAIL LINE.
4. END TREATMENT TYPE 1 MAY BE ATTACHED TO CURVED GUARDRAIL PROVIDED CURVE IS 9° OR LESS. END TREATMENT TYPE 1 SHALL BE INSTALLED ON A STRAIGHT LINE TAPER WITHIN THE PAY LIMITS.
5. INTENDED USE: FILLS WITH ADEQUATE VEHICLE RECOVERY ZONE BEHIND GUARDRAIL.

USE WITH CUR. STD. DWG.  
RBR-020

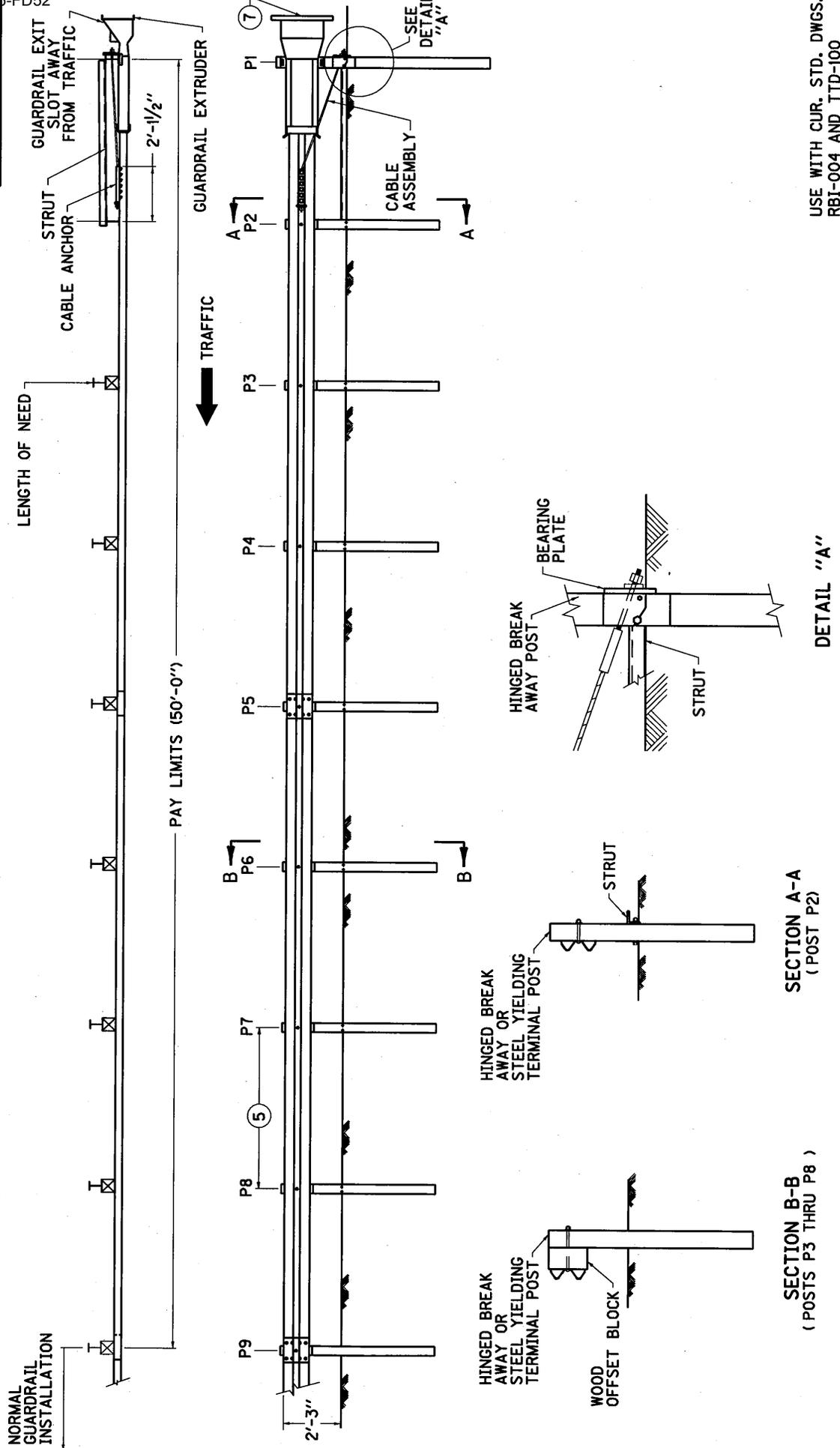
TRAFFIC

GUARDRAIL END TREATMENT TYPE 1  
INSTALLED ON A CURVE (4)

KENTUCKY  
DEPARTMENT OF HIGHWAYS  
INSTALLATION OF  
GUARDRAIL  
END TREATMENT  
TYPE 1

DATE: 01-06-2008  
SUBMITTED: [Signature]

COUNTY OF	ITEM NO.	SHEET NO.



USE WITH CUR. STD. DWGS. RBI-004 AND TTD-100
KENTUCKY DEPARTMENT OF HIGHWAYS
GUARDRAIL END TREATMENT TYPE 1
APPROVED 01-06-2008 DATE

1. GUARDRAIL END TREATMENT TYPE 1 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND INCLUDES POSTS, RAIL ELEMENTS, GUARDRAIL EXTRUDER AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION AS DETAILED.
2. PERMISSIBLE ALTERNATES FOR GUARDRAIL END TREATMENT TYPE 1 ARE PATENTED ITEMS: ET 2000 MANUFACTURED BY TRINITY INDUSTRIES OF GIRARD, OHIO OR SKT-350 MANUFACTURED BY ROAD SYSTEMS INC. OF BIG SPRING, TEXAS.
3. THE MANUFACTURER SHALL FURNISH TWO (2) SETS OF SHOP PLANS TO THE CONTRACTOR WITH EACH INSTALLATION.
4. THE COMPLETED INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE MANUFACTURER (SEE SHOP DRAWINGS).
5. POSTS P1 THROUGH P9 ARE SPACED 6'-3" ON CENTER.
6. INTENDED USE: FILLS WITH ADEQUATE VEHICLE RECOVERY ZONE BEHIND GUARDRAIL.
7. OBJECT MARKER TYPE 3 (SEE CURRENT STANDARD DRAWING TTD-100 FOR DETAILS)

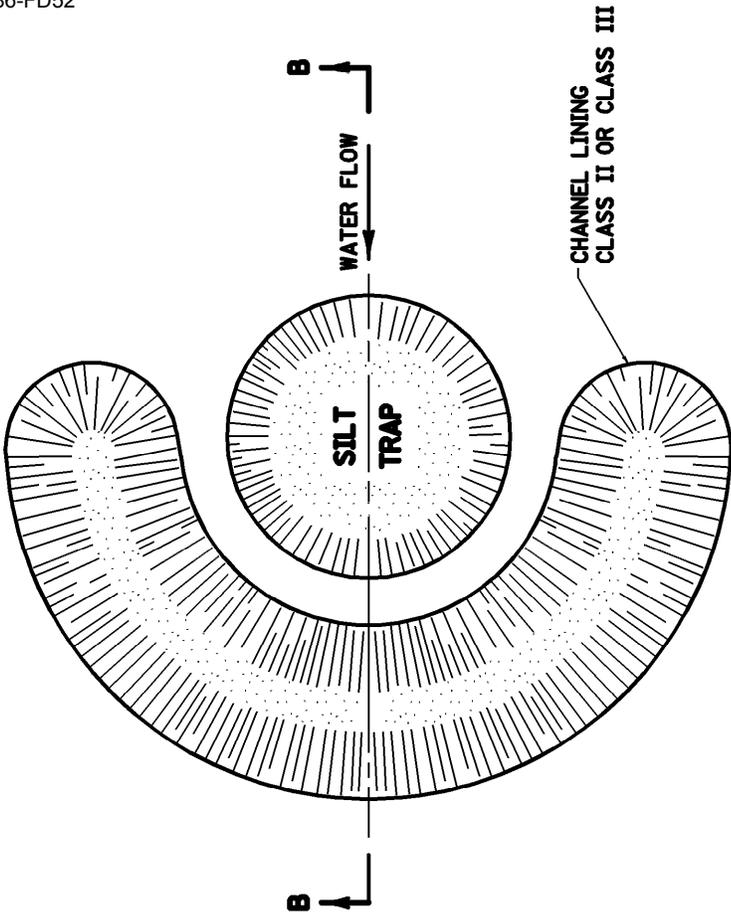
SECTION A-A  
(POST P2)

SECTION B-B  
(POSTS P3 THRU P8)

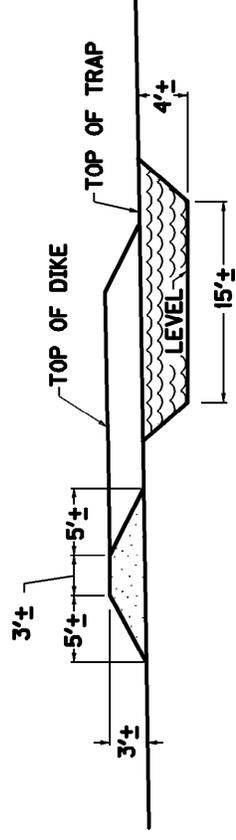
DETAIL "A"

COUNTY OF	ITEM NO.	SHEET NO.

**ALTERNATE NO. 2**

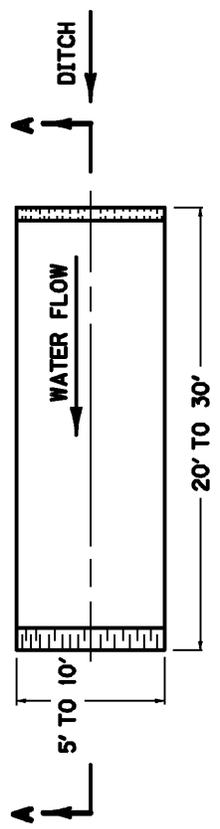


**PLAN VIEW**

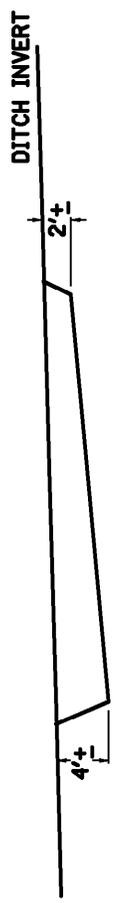


**SECTION B-B**

**ALTERNATE NO. 1**



**PLAN VIEW**



**SECTION A-A**

**~NOTES~**

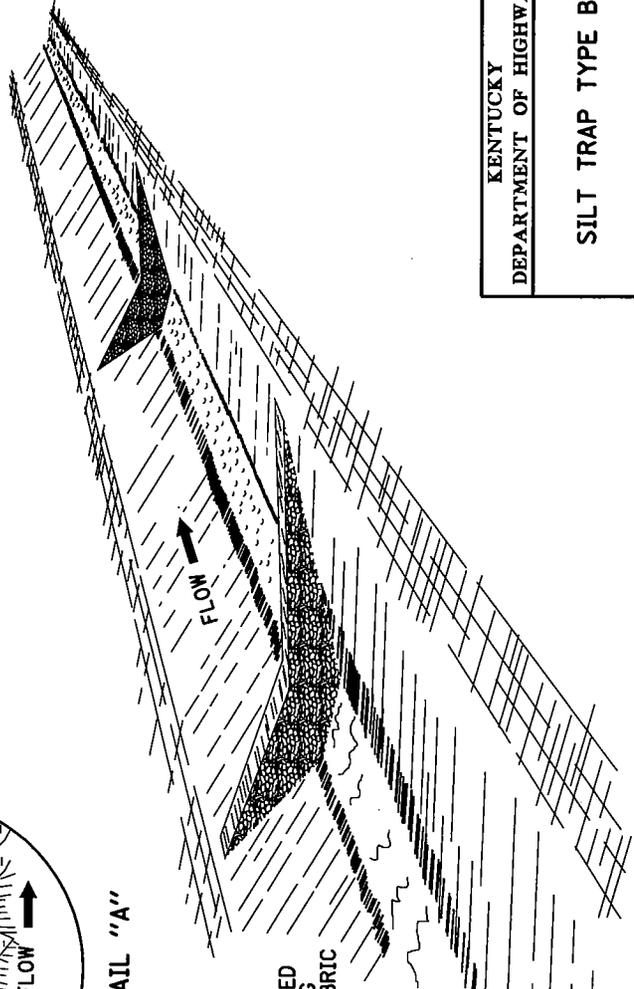
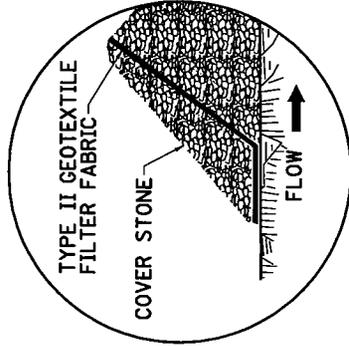
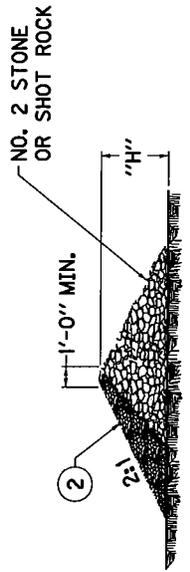
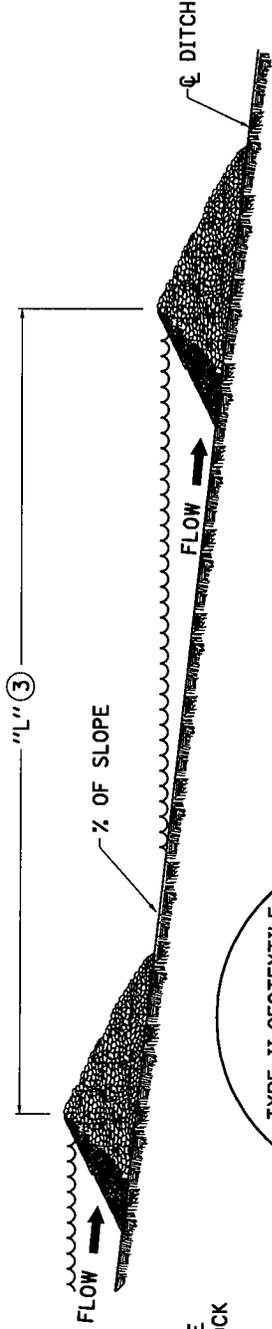
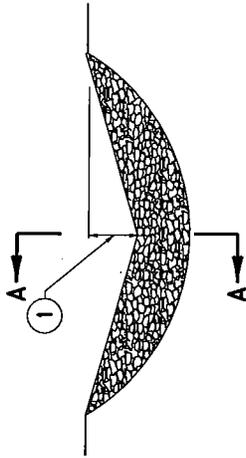
BID ITEM AND UNIT TO BID:  
 CODE PAY ITEM PAY UNIT  
 2703 SILT TRAP TYPE A EACH  
 2706 CLEAN SILT TRAP TYPE A EACH  
 THE SIZE, SHAPE AND LOCATION OF TRAP MAY BE ADJUSTED FROM THAT SHOWN IN THE PLANS, AS DIRECTED BY THE ENGINEER.  
 THE SILT TRAP SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER TO 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: 072323  
 Page 15 of 140  
 DATE: 2-21-94  
 SUBMITTED: [Signature]  
 ENGINEER OF DESIGN

COUNTY OF	ITEM NO.	SHEET NO.



~NOTES~

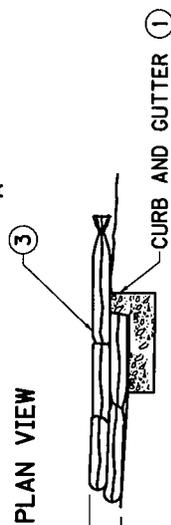
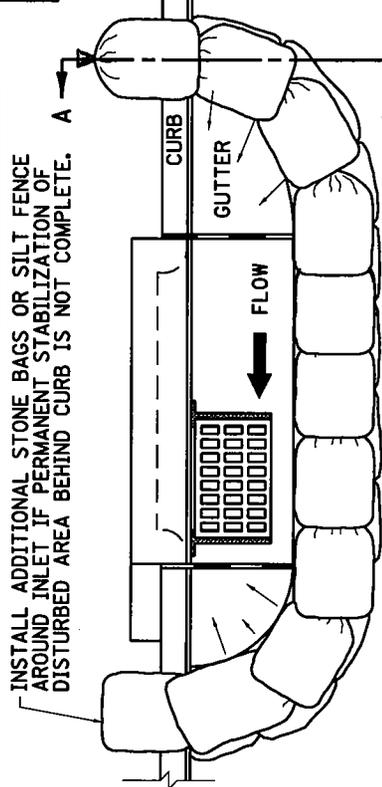
- | BID ITEM AND UNIT TO BID:   | PAY ITEM | PAY UNIT |
|-----------------------------|----------|----------|
| 2704 SILT TRAP TYPE B       |          | EACH     |
| 2707 CLEAN SILT TRAP TYPE B |          | EACH     |
- ① MIDDLE OF SILT TRAP SHALL BE A MINIMUM OF 1'-0" LOWER THAN SIDES SO FLOW WILL NOT 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" =  $\frac{H}{\text{SLOPE OF DITCH}}$
  - 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**

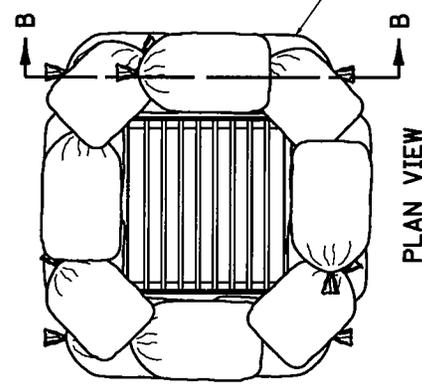
**SILT TRAP TYPE B**

SUBMITTED \_\_\_\_\_  
DATE 1-25-05

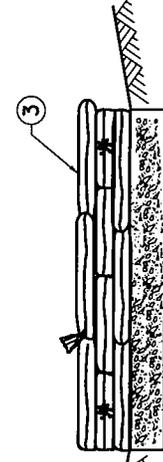
COUNTY OF	ITEM NO.	SHEET NO.



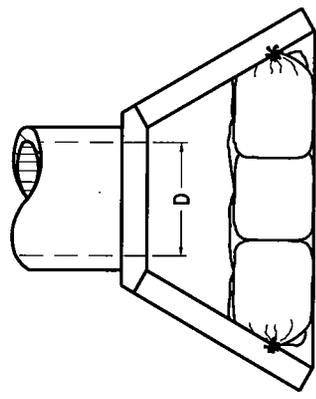
SECTION A~A



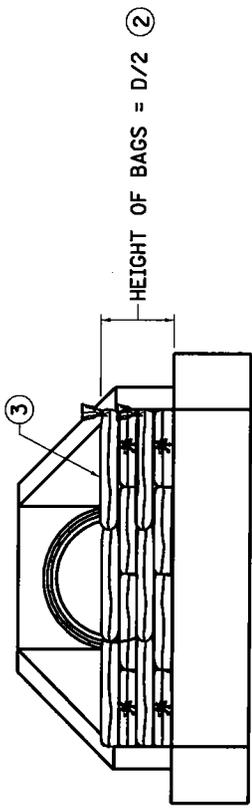
PLAN VIEW



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

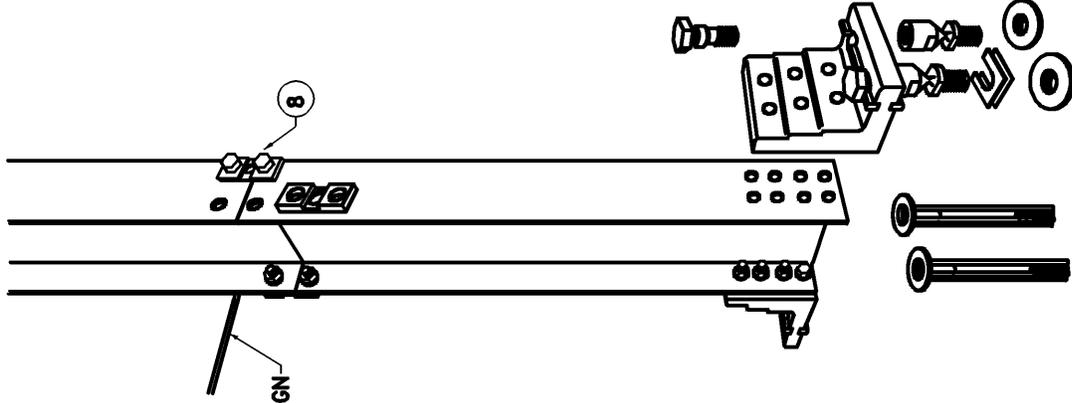
SILT TRAP TYPE C

SUBMITTED \_\_\_\_\_ DATE 1-25-08  
BY \_\_\_\_\_

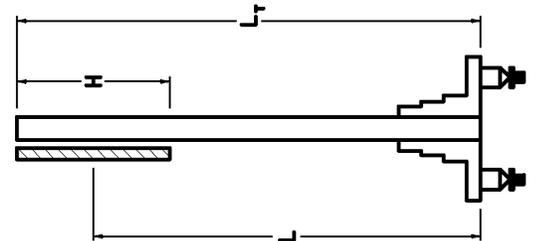
COUNTY OF	ITEM NO.

**~NOTES~**

1. BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAM SHALL BE SELECTED FROM THE KENTUCKY DEPARTMENT OF HIGHWAYS APPROVED LIST FOR BREAKAWAY SIGN SUPPORT SYSTEMS OR AN APPROVED EQUAL. ACCEPTABLE ALTERNATE BREAKAWAY SIGN SUPPORT SYSTEMS SHALL BE APPROVED BY THE DIVISION OF HIGHWAY DESIGN AND FHWA PRIOR TO INSTALLATION.
2. SELECTION OF THE PROPER BRACKET NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. ALL HARDWARE ITEMS SUPPLIED ARE AMERICAN STANDARD SIZES AND SHALL BE GALVANIZED AND CONFORM TO ASTM A153 OR ASTM B695.
4. FASTENERS, EXCEPT FOR SPECIAL BOLT AND COUPLINGS, ARE INSTALLED WITH LOCKWASHERS, AND DO NOT HAVE SPECIFIC TORQUE REQUIREMENTS. FASTENERS SHALL BE SECURED AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES, UNLESS NOTED OTHERWISE.
5. SQUARE UP AND LEVEL INDIVIDUAL COMPONENTS, PARTICULARLY ANCHORS TO MINIMIZE THE NEED FOR SHIMMING BETWEEN THE COUPLINGS AND ANCHORS.
6. NO MORE THAN TWO SHIMS SHALL BE PLACED UNDER ANY ONE COUPLING.
7. NO MORE THAN THREE SHIMS UNDERNEATH ANY PAIR OF COUPLINGS.
8. THE CONTRACTOR SHALL FURNISH TWO (2) COMPLETE SETS OF SHOP PLANS FOR APPROVAL BY THE ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO INSTALLATION.
9. THE HINGE SHOULD BE AT LEAST 7'-0" ABOVE THE GROUND.
10. A SINGLE POST IF 7'-0" OR MORE FROM ANOTHER POST, SHALL HAVE A WEIGHT LESS THAN 45 LB./FT. TOTAL WEIGHT BELOW THE HINGE, BUT ABOVE THE SHEAR PLATE OF THE BREAKAWAY BASE, SHOULD NOT EXCEED 600 LB.
11. FOR TWO POSTS SPACED LESS THAN 7'-0" APART, EACH POST SHOULD HAVE A WEIGHT LESS THAN 18 LB./FT. COUPLINGS SHALL NOT BE USED IN SIGN STRUCTURES WITH THREE SUPPORTS OR MORE IF POSTS ARE CLOSER THAN 7'-0" APART.
12. REFER TO DETAIL SHEET "FOOTING DETAILS FOR TYPE C BEAM" FOR FOOTER DETAILS.



$L = L_T - H/2$

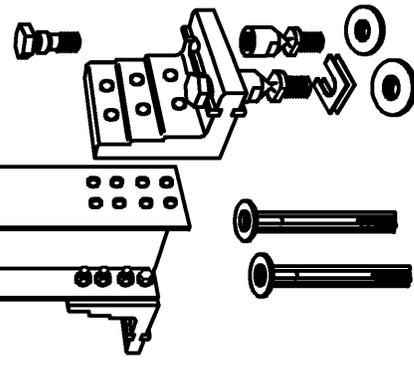


**~ ELEVATION VIEW ~**

**BRACKET SELECTION TABLE**

I-BEAM POST SIZE	BRACKET NO. 1		BRACKET NO. 2		BRACKET NO. 3	
	MIN. "L"	MAX. "L"	MIN. "L"	MAX. "L"	MIN. "L"	MAX. "L"
6"	12'-0"	29'-0"	9'-0"	12'-0"	0	9'-0"
8"	14'-0"	29'-0"	10'-0"	14'-0"	0	10'-0"
10"	16'-0"	29'-0"	11'-0"	16'-0"	0	11'-0"
12"	18'-0"	29'-0"	13'-0"	18'-0"	0	13'-0"
14"	19'-0"	29'-0"	14'-0"	19'-0"	0	14'-0"
16"	21'-0"	29'-0"	15'-0"	21'-0"	0	15'-0"
18"	23'-0"	29'-0"	16'-0"	23'-0"	0	16'-0"
21"	25'-0"	29'-0"	18'-0"	25'-0"	0	18'-0"

**~ PICTORIAL VIEW ~**



KENTUCKY  
DEPARTMENT OF HIGHWAYS

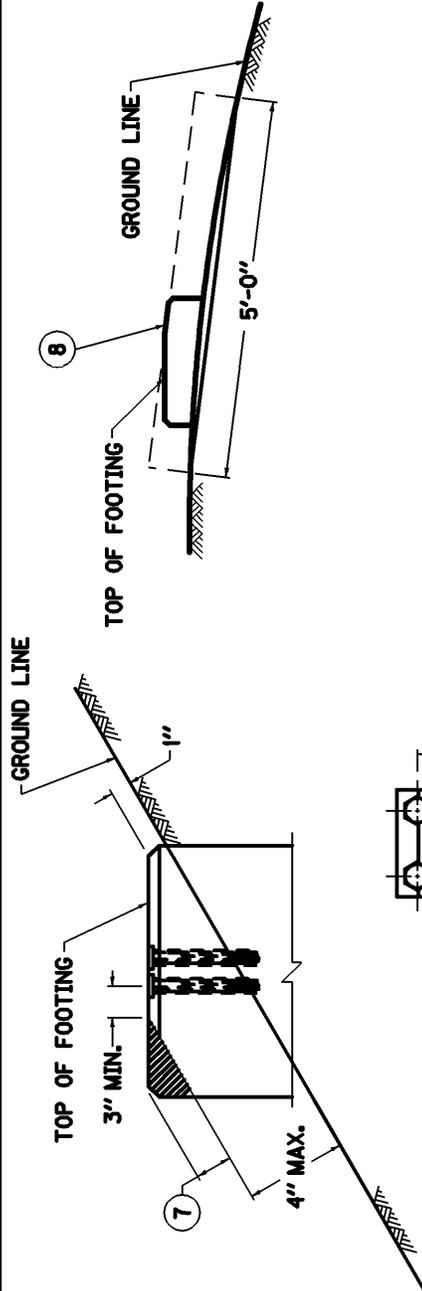
**BREAKAWAY SIGN  
SUPPORT SYSTEM  
FOR TYPE C BEAM**

Contract ID 072023  
04 of 04  
6-6-2023  
SUBMITTED TO: COUNTY DESIGN

COUNTY OF \_\_\_\_\_  
ITEM NO. \_\_\_\_\_

**FOOTING SELECTION TABLE**

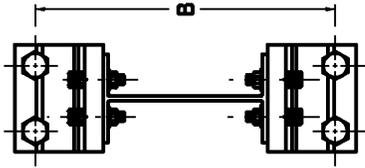
POST SIZE	L <sub>1</sub> DIA.	D <sub>1</sub> DEPTH	STEEL F. BARS		REINF. LBS.	CONC. CUL YD.
			QTY	SIZE		
W6	2'-0"	5'-0"	5	#4	57	0.58
W8	2'-6"	7'-0"	7	#4	88	1.27
W10	3'-0"	8'-0"	8	#4	110	2.09
W12	3'-0"	8'-0"	8	#4	110	2.09
W14	3'-0"	9'-0"	9	#4	124	2.36
W16	3'-6"	9'-0"	9	#4	133	3.21
W18	3'-5"	9'-0"	9	#4	133	3.21
W21	4'-0"	9'-0"	9	#4	143	4.19



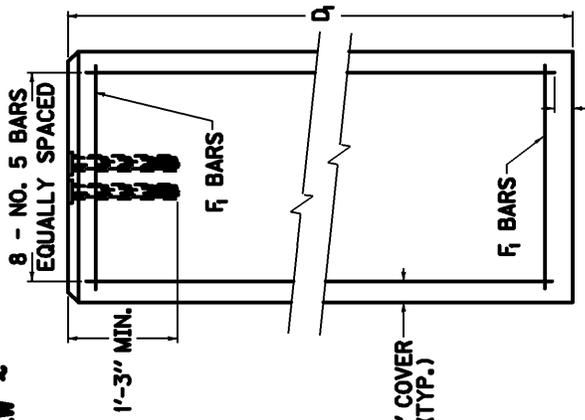
**~NOTES~**

1. ENTER FOOTING SELECTION TABLE WITH REQUIRED POST SIZE AND FIND REQUIRED FOOTING VALUES AS SHOWN IN DETAILS.
2. THE ANCHOR SHALL BE 304 STAINLESS STEEL WITH 1053 STEEL ROD AND COIL.
3. FORM TOP 1'-0" OF THE FOOTING.
4. USE CLASS "A" CONCRETE IN ALL FOOTINGS.
5. ACTUAL DIMENSIONS 'A' & 'B' SHOULD BE OBTAINED FROM THE MANUFACTURER OR MEASURED FROM THE ASSEMBLED BRACKETS PRIOR TO PLACEMENT OF ANCHORS.
6. TO INSURE PROPER SPACING AND ALIGNMENT OF ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
7. FOOTING PROJECTIONS ABOVE GROUND LINE SHALL BE MINIMIZED. THE MAXIMUM PERMISSIBLE FOOTING PROJECTION SHALL BE 4" ON THE LOWER SLOPE SIDE. WHERE NECESSARY, THE SHADED AREA OF THE FOOTING SHALL BE REMOVED AND REINFORCEMENT SHALL BE BENT TO FIT.
8. THE TOP OF THE FOOTING SHALL NOT PROJECT MORE THAN 4" ABOVE ANY 5'-0" CHORD ALIGNED PERPENDICULAR TO THE EDGE OF THE ROADWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.

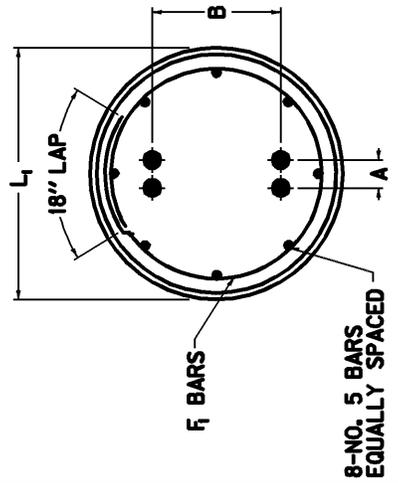
**~ PLAN VIEW ~**



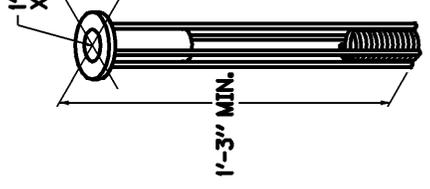
**~ SIDE VIEW ~**



**~ TOP VIEW ~**



1" - 8 N.C. (0.5 OVERSIZED)  
X 1/8" MIN. THREAD DEPTH (2)



**~ ANCHOR PICTORIAL VIEW ~**

KENTUCKY  
DEPARTMENT OF HIGHWAYS

**FOOTING DETAILS  
FOR  
TYPE C BEAM**

Contract ID 072523  
Page 10 of 140  
6-6-2005

SUBMITTED TO: \_\_\_\_\_  
DATE: \_\_\_\_\_

## **PART III**

### **EMPLOYMENT, WAGE AND RECORD REQUIREMENTS**

**REQUIRED CONTRACT PROVISIONS  
FEDERAL-AID CONSTRUCTION CONTRACTS**

	Page
I. General-----	1
II. Nondiscrimination-----	1
III. Nonsegregated Facilities-----	3
IV. Payment of Predetermined Minimum Wage-----	3
V. Statements and Payrolls-----	6
VI. Record of Materials, Supplies, and Labor-----	6
VII. Subletting or Assigning the Contract-----	7
VIII. Safety: Accident Prevention-----	7
IX. False Statements Concerning Highway Projects-----	7
X. Implementation of Clean Air Act and Federal Water Pollution Control Act-----	8
XI. Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-----	8
XII. Certification Regarding Use of Contract Funds for Lobbying-----	9

ATTACHMENTS

- A. Employment Preference for Appalachian Contracts  
(included in Appalachian contracts only)

**I. GENERAL**

1. These contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

2. Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.

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

4. A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:

- Section I, paragraph 2;
- Section IV, paragraphs 1, 2, 3, 4, and 7;
- Section V, paragraphs 1 and 2a through 2g.

5. Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the DOL, or the contractor's employees or their representatives.

6. **Selection of Labor:** During the performance of this contract, the contractor shall not:

a. discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or

b. employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

**II. NONDISCRIMINATION**

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

1. **Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630 and 41 CFR 60) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.

b. The contractor will accept as his operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training."

2. **EEO Officer:** The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

3. **Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minority group employees.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. **Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minority groups in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with EEO contract provisions. (The DOL has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)

c. The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group applicants will be discussed with employees.

5. **Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with his obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of his avenues of appeal.

#### 6. **Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees, and applicants for employment.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

7. **Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

a. The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.

b. The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the SHA and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin,

age or disability; making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The DOL has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the SHA.

**8. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

a. The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.

b. Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of DBE construction firms from SHA personnel.

c. The contractor will use his best efforts to ensure subcontractor compliance with their EEO obligations.

**9. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b. The contractors will submit an annual report to the SHA each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

### III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

a. By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c. The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of \$10,000 or more and that it will retain such certifications in its files.

### IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

#### 1. General:

a. All mechanics and laborers employed or working upon the site of the work will be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any account [except such payroll deductions as are permitted by regulations (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276c)] the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL poster (WH-1321) or Form FHWA-1495) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics

shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraphs 4 and 5 of this Section IV.

b. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

c. All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

## 2. Classification:

a. The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b. The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c. If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional classification or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

d. In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. Said Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary

e. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification from the first day on which work is performed in the classification.

## 3. Payment of Fringe Benefits:

a. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor or subcontractors, as appropriate, shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly case equivalent thereof.

b. If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## 4. Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

### a. Apprentices:

(1) Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate listed in the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor or subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman-level hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable

classification. If the Administrator for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b. Trainees:

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which case such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Helpers:

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable wage determination or is approved pursuant to the conformance procedure set forth in Section IV.2. Any worker listed on a payroll at a helper wage rate, who is not a helper under an approved definition, shall be paid not less than the applicable wage rate on the wagedetermination for the classification of work actually performed.

**5. Apprentices and Trainees (Programs of the U.S. DOT):**

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of

Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**6. Withholding:**

The SHA shall upon its own action or upon written request of an authorized representative of the DOL withhold, or cause to be withheld, from the contractor or subcontractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements which is held by the same prime contractor, as much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the SHA contracting officer may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

**7. Overtime Requirements:**

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

**8. Violation:**

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of \$10 for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

**9. Withholding for Unpaid Wages and Liquidated Damages:**

The SHA shall upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any

liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 8 above.

## V. STATEMENTS AND PAYROLLS

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

### 1. Compliance with Copeland Regulations (29 CFR 3):

The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

### 2. Payrolls and Payroll Records:

a. Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.

b. The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph 3b, has found that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis Bacon Act, the contractor and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and ratios and wage rates prescribed in the applicable programs.

c. Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees (including apprentices, trainees, and helpers, described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted required to be maintained under paragraph 2b of this Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-005-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

d. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

(2) that such laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR 3;

(3) that each laborer or mechanic has been paid not less than the applicable wage rate and fringe benefits or cash equivalent for the classification of worked performed, as specified in the applicable wage determination incorporated into the contract.

e. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 2d of this Section V.

f. The falsification of any of the above certifications may subject the contractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

g. The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the SHA, the FHWA, the DOL, or all may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

## VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1. On all Federal-aid contracts on the National Highway System, except those which provide solely for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than \$1,000,000 (23 CFR 635) the contractor shall:

a. Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

b. Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed on Form FHWA-47, and in the units shown on Form FHWA-47.

c. Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2. At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

## VII. SUBLETTING OR ASSIGNING THE CONTRACT

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the State. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635).

a. "Its own organization" shall be construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph 1 of Section VII is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the SHA contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the SHA contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

## VIII. SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

## IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

### NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

*"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or*

*Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or*

*Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;*

*Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."*

## X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$100,000 or more.)

By submission of this bid or the execution of this contract, or subcontract, as appropriate, the bidder, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 et seq., as amended by Pub.L. 91-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq., as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 15) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2. That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3. That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, EPA, indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

#### **XI. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

##### **1. Instructions for Certification - Primary Covered Transactions:**

(Applicable to all Federal-aid contracts - 49 CFR 29)

a. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.

d. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the department or agency to which

this proposal is submitted for assistance in obtaining a copy of those regulations.

f. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "Lists of Parties Excluded From Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph f of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b. Have not within a 3-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\*\*\*\*\*

**2. Instructions for Certification - Lower Tier Covered Transactions:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions of \$25,000 or more - 49 CFR 29)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "primary covered transaction," "participant," "person," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

\*\*\*\*\*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\*\*\*\*\*

**XII. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

(Applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 - 49 CFR 20)

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and

submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**KENTUCKY TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS**

**EMPLOYMENT REQUIREMENTS  
RELATING TO  
NONDISCRIMINATION OF EMPLOYEES  
(APPLICABLE TO FEDERAL-AID SYSTEM CONTRACTS)**

**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.

REVISED: 12-3-92

## 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.

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

<b>HIGHWAY BASIC HOURLY RATES</b>	<b>FRINGE BENEFIT PAYMENTS COMBINED</b>
---	---

**CRAFTS**

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, Reinforcing: .....	18.75.....	7.80
Ironworkers, Structural: .....	18.95.....	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 Worker .....	20.40.....	7.80

Welders - Receive rate for craft in which welding is incidental.

**LABORERS:**

General laborer, flagperson, steam jenny.	<b>BASE RATE</b> .....	16.90
	<b>FRINGE BENEFITS</b> .....	7.80

Batch truck dumper, deck hand or scowman.	<b>BASE RATE</b> .....	17.15
	<b>FRINGE BENEFITS</b> .....	7.80

Power driven tool operator of the following: wagon drill, chain saw, sand blaster, concrete chipper, pavement breaker, vibrator, power wheelbarrow and power buggy, sewer pipe layer, bottom man, dry cement handler, concrete rubber, mason tender.	<b>BASE RATE</b> .....	17.25
	<b>FRINGE BENEFITS</b> .....	7.80

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

---

**LABORERS: (continue)**

Asphalt lute and rakerman, side rail setter.	<b>BASE RATE</b> .....17.30 <b>FRINGE BENEFITS</b> .....7.80
Gunnite nozzle man.	<b>BASE RATE</b> .....17.40 <b>FRINGE BENEFITS</b> .....7.80
Tunnel laborer (free air).	<b>BASE RATE</b> .....17.45 <b>FRINGE BENEFITS</b> ..... 7.80
Tunnel mucker (free air),gunnite operator	<b>BASE RATE</b> .....17.50 <b>FRINGE BENEFITS</b> .....7.80
Hand blade operator	<b>BASE RATE</b> .....17.65 <b>FRINGE BENEFITS</b> .....7.80
Tunnel miner, blaster and driller (free air).	<b>BASE RATE</b> .....17.85 <b>FRINGE BENEFITS</b> .....7.80
Caisson worker.	<b>BASE RATE</b> .....18.40 <b>FRINGE BENEFITS</b> .....7.80
Powderman.	<b>BASE RATE</b> .....18.50 <b>FRINGE BENEFITS</b> .....7.80
Drill operator of percussion type drills which are both powered and propelled by an independent air supply.	<b>BASE RATE</b> .....19.70 <b>FRINGE BENEFITS</b> .....7.80
Truckhelper and warehouseman (State).	<b>BASE RATE</b> .....17.15 <b>FRINGE BENEFITS</b> .....7.80
Driver, winch truck and A-Frame when used in transporting materials.	<b>BASE RATE</b> .....17.25 <b>FRINGE BENEFITS</b> .....7.80

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

---

**TRUCK DRIVERS AND RELATED CLASSIFICATIONS:**

Driver, (semi-trailer or pole trailer), driver (dump truck, tandem axle), driver of distributor.	<b>BASE RATE</b> .....17.35 <b>FRINGE BENEFITS</b> .....7.80
Driver on mixer trucks (all types).	<b>BASE RATE</b> .....17.40 <b>FRINGE BENEFITS</b> .....7.80
Truck mechanic	<b>BASE RATE</b> .....17.45 <b>FRINGE BENEFITS</b> .....7.80
Driver (3 tons and under), tire changer and truck mechanic helper (State)	<b>BASE RATE</b> .....17.48 <b>FRINGE BENEFITS</b> .....7.80
Driver on pavement breakers.	<b>BASE RATE</b> .....17.50 <b>FRINGE BENEFITS</b> .....7.80
Driver (over 3 tons), driver (truck mounted rotary drill).	<b>BASE RATE</b> .....17.69 <b>FRINGE BENEFITS</b> .....7.80
Driver, Euclid and other heavy earth moving equipment, Low boy	<b>BASE RATE</b> .....18.26 <b>FRINGE BENEFITS</b> .....7.80
Greaser on greasing facilities.	<b>BASE RATE</b> .....18.35 <b>FRINGE BENEFITS</b> .....7.80

**OPERATING ENGINEERS:**

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 (earth), 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,

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

---

**OPERATING ENGINEERS:** (continued)

tugger, backfiller, gurry, self-propelled compactor, self –contained hydraulic percussion drill.

**BASE RATE** .....20.25  
**FRINGE BENEFITS** .....7.80

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, whirly oiler, tractair and road widening trencher, articulating trucks, mechanic helper, (State).

**BASE RATE** .....18.50  
**FRINGE BENEFITS** .....7.80

Greaser on grease facilities servicing heavy equipment

**BASE RATE** .....18.35  
**FRINGE BENEFITS** .....7.80

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 RATE** .....17.76  
**FRINGE BENEFITS** .....7.80

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.

These rates are listed pursuant to the Kentucky Determination No. CR-05-II-HWY dated May 16, 2006 and/or Federal Decision No. KY 20070026 dated February 9, 2007.

NOTE: Both Kentucky Determination No. CR-05-II-HWY and Federal Decision No. KY20070026 dated February 9, 2007 apply to this project. This set of wage rates contains a combination of these two wage decisions.

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

---

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.

**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

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION  
TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY  
(Executive Order 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

<b>GOALS FOR MINORITY PARTICIPATION IN EACH TRADE</b>	<b>GOALS FOR FEMALE PARTICIPATION IN EACH TRADE</b>
12.0%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed. The notification shall be mailed to:

**Evelyn Teague, Regional Director  
Office of Federal Contract Compliance Programs  
61 Forsyth Street, SW, Suite 7B75  
Atlanta, Georgia 30303-8609**

4. As used in this Notice, and in the contract resulting from this solicitation, the "**covered area**" is Barren County.

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION  
TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY  
(Executive Order 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

<b>GOALS FOR MINORITY PARTICIPATION IN EACH TRADE</b>	<b>GOALS FOR FEMALE PARTICIPATION IN EACH TRADE</b>
9.6%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed. The notification shall be mailed to:

**Evelyn Teague, Regional Director  
Office of Federal Contract Compliance Programs  
61 Forsyth Street, SW, Suite 7B75  
Atlanta, Georgia 30303-8609**

4. As used in this Notice, and in the contract resulting from this solicitation, the "**covered area**" is Hart County.

**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**



**PART VI**

**BID ITEMS**

**TRANSPORTATION CABINET**

Department of Highways

FRANKFORT, KY 40622

Sheet No: 1

**Contract ID: 07-2323**

BARREN-HART COUNTIES

121GR07P086-FD52

Letting: 9/28/07

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
		ROADWAY			.	.
0010	00190	LEVELING & WEDGING PG64-22	4,435.00	TON	.	.
0020	00338	ASPHALT PLACEMENT WITH MTV	15,379.00	TON	.	.
0030	00339	CL3 ASPH SURF 0.38D PG64-22	5,540.00	TON	.	.
0040	00342	CL4 ASPH SURF 0.38A PG76-22	15,379.00	TON	.	.
0050	01982	DELINEATOR FOR GUARDRAIL-WHITE	660.00	EACH	.	.
0060	01983	DELINEATOR FOR GUARDRAIL-YELLOW	100.00	EACH	.	.
0070	02223	GRANULAR EMBANKMENT	30.00	CUYD	.	.
0080	02230	EMBANKMENT IN PLACE	1,000.00	CUYD	.	.
0090	02351	GUARDRAIL-STEEL W BEAM-S FACE	35,675.00	LF	.	.
0100	02367	GUARDRAIL END TREATMENT TYPE 1	24.00	EACH	.	.
0110	02369	GUARDRAIL END TREATMENT TYPE 2A	29.00	EACH	.	.
0120	02381	REMOVE GUARDRAIL	32,337.00	LF	.	.
0130	02396	REMOVE GUARDRAIL END TREATMENT	24.00	EACH	.	.
0140	02469	CLEAN SINKHOLE	1.00	EACH	.	.
0150	02562	SIGNS	1,024.00	SQFT	.	.
0160	02599	FABRIC-GEOTEXTILE TYPE IV	20.00	SQYD	.	.
0170	02650	MAINTAIN & CONTROL TRAFFIC BARREN CO.	1.00	LS	.	.
0180	02650	MAINTAIN & CONTROL TRAFFIC HART CO.	1.00	LS	.	.
0190	02671	VAR MESSAGE SIGN-PORT 3 LINE	4.00	EACH	.	.
0200	02676	MOBILIZATION FOR MILL & TEXT BARREN CO.	1.00	LS	.	.
0210	02676	MOBILIZATION FOR MILL & TEXT HART CO.	1.00	LS	.	.
0220	02677	ASPH PAVE MILLING & TEXTURING	19,900.00	TON	.	.
0230	02775	FLASHING ARROW	2.00	EACH	.	.

**TRANSPORTATION CABINET**

Department of Highways

FRANKFORT, KY 40622

Sheet No: 2

**Contract ID: 07-2323**

BARREN-HART COUNTIES

121GR07P086-FD52

Letting: 9/28/07

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
0240	02929	CRASH CUSHION TYPE IX	12.00	EACH	.	.
0250	03269	TRIM & REMOVE TREES & BRUSH	65,370.00	LF	.	.
0260	06511	PAVE STRIPING-TEMP PAINT-6 IN	112,610.00	LF	.	.
0270	06546	PAVE STRIPING-THERMO-12 INCH W	4,750.00	LF	.	.
0280	06550	PAVE STRIPING-TEMP REM TAPE-W	10,000.00	LF	.	.
0290	06551	PAVE STRIPING-TEMP REM TAPE-Y	10,000.00	LF	.	.
0300	06592	PAVEMENT MARKER TYPE V-B W/R	1,018.00	EACH	.	.
0310	06593	PAVEMENT MARKER TYPE V-B Y/R	352.00	EACH	.	.
0320	06600	REMOVE PAVEMENT MARKER TYPE V	1,200.00	EACH	.	.
0330	08100	CONCRETE-CLASS A	60.00	CUYD	.	.
0340	08150	STEEL REINFORCEMENT	1,176.00	LB	.	.
0350	10000NS	LOT PAY ADJUSTMENT	40,000.00	DOLL	1.0000	40,000.00
0360	10020NS	FUEL ADJUSTMENT	22,591.00	DOLL	1.0000	22,591.00
0370	10030NS	ASPHALT ADJUSTMENT	45,637.00	DOLL	1.0000	45,637.00
0380	03171	CONCRETE BARRIER WALL TYPE 9T	1,800.00	LF	.	.
0390	20362ES403	SHOULDER RUMBLE STRIPS-SAWED	145,400.00	LF	.	.
0400	20588NC	INSTALL PROJECT IDENTIFICATION SIGNS	4.00	EACH	.	.
0410	20754EC	REMOVE RAISED MEDIAN	540.00	LF	.	.
0420	21339ED	PAVE STRIPING PERM-6 IN HD21A-WHITE	112,610.00	LF	.	.
0430	21340ED	PAVE STRIPING PERM-6 IN HD21A-YELLOW	79,800.00	LF	.	.
0440	21415ND	EROSION CONTROL BARREN CO.	1.00	LS	.	.
0450	21415ND	EROSION CONTROL HART CO.	1.00	LS	.	.
		DEMobilIZATION			.	.
0460	02569	DEMobilIZATION	1.00	LS	.	.

**TRANSPORTATION CABINET**

Department of Highways

FRANKFORT, KY 40622

Sheet No: 3

**Contract ID: 07-2323**

BARREN-HART COUNTIES

121GR07P086-FD52

Letting: 9/28/07

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
<hr/>						
<b>TOTAL BID</b>						
						\$ .

**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 ORGANIZATION(S)**

COMMONWEALTH OF KENTUCKY

COUNTY \_\_\_\_\_

PROJECT NO. \_\_\_\_\_

I, \_\_\_\_\_, \_\_\_\_\_, under penalty  
(President or Authorized Official of Bidder) (Title)

perjury under the laws of the United States, do hereby certify that, except as noted below,

\_\_\_\_\_  
(Insert name of individual, Joint Venture, Co-Partnership or Corporation Submitting Bid)

any person associated therewith in the capacity of (owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the Administration of Federal Funds): is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years; does not have a proposed debarment pending; and has not been indicted, convicted, or had a civil judgement rendered against (it) by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

Please list below any exceptions to the foregoing, to whom it applies, initiating agency and dates of action.

Exceptions: \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

### CERTIFICATION OF PERFORMANCE

Certification with regard to the Performance of Previous Contracts or Subcontracts subject to the Equal Opportunity Clause and the filing of Required Reports.

The bidder \_\_\_\_\_, proposed subcontractor \_\_\_\_\_, hereby certifies that he has \_\_\_\_\_, has not \_\_\_\_\_, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that he has \_\_\_\_\_, has not \_\_\_\_\_, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the Former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

\_\_\_\_\_  
(Company)

By: \_\_\_\_\_

\_\_\_\_\_  
(Title)

Date: \_\_\_\_\_

NOTE: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with the contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders of their implementing regulation.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

### CERTIFICATION FOR FEDERAL-AID CONTRACT

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agent.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

---

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

---

(Signature)

---

(Title)

**CERTIFICATION OF BID PROPOSAL / DBE**

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

***“The bidder certifies that it has secured participation by Disadvantaged Business Enterprises (“DBE”) in the amount of \_\_\_\_\_ percent of the total value of this contract and that the DBE participation is in compliance with the requirements of 49 CFR 26 and the policies of the Kentucky Transportation Cabinet pertaining to the DBE Program.”***

\_\_\_\_\_  
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.