



CALL NO. 403

CONTRACT ID. 131232

ESTILL COUNTY

FED/STATE PROJECT NUMBER 121033GR13D032 - FD04

DESCRIPTION WINCHESTER ROAD (KY 89)

WORK TYPE GRADE & DRAIN WITH ASPHALT SURFACE

PRIMARY COMPLETION DATE 8/1/2014

LETTING DATE: December 13,2013

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME December 13,2013. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

PLANS AVAILABLE FOR THIS PROJECT.

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

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PART I
SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 10

CONTRACT ID - 131232

121033GR13D032 - FD04

COUNTY - ESTILL

PCN - DE03300891332

FD04 SPP 033 0089 015-016

WINCHESTER ROAD (KY 89) & DRY RIDGE ROAD INTERSECTION (MP 15.49) SPOT IMPROVEMENT ON KY 89:
CORRECT SIGHT DISTANCE PROBLEM AT THE KY 89 / DRY RIDGE ROAD INTERSECTION. (MP 15.59), A
DISTANCE OF 0.19 MILES.GRADE & DRAIN WITH ASPHALT SURFACE SYP NO. 10-08306.10.
GEOGRAPHIC COORDINATES LATITUDE 37:45:09.00 LONGITUDE 84:00:01.00

PCN - DE03300891333

FD04 SPP 033 0089 015-017

WINCHESTER ROAD (KY 89) AT TIRE SHREDDER ROAD (MP 15.95) SPOT IMPROVEMENT ON KY 89: SIGHT
DISTANCE PROBLEM ON KY 89 AT A COMMERCIAL ENTRANCE 0.495 MILE SOUTH OF JCT KY 794. (MP 16.05), A
DISTANCE OF 0.26 MILES.GRADE & DRAIN WITH ASPHALT SURFACE SYP NO. 10-08306.20.
GEOGRAPHIC COORDINATES LATITUDE 37:45:28.00 LONGITUDE 84:00:03.00

COMPLETION DATE(S):

COMPLETED BY 08/01/2014

APPLIES TO ENTIRE CONTRACT

CONTRACT NOTES

PROPOSAL ADDENDA

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

BID SUBMITTAL

Bidder must use the Department's Expedite Bidding Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. (www.transportation.ky.gov/construction-procurement)

The Bidder must download the bid file located on the Bid Express website (www.bidx.com) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

Joint venture bidding is permissible. All companies in the joint venture must be prequalified in one of the work types in the Qualifications for Bidders for the project. The bidders must get a vendor ID for the joint venture from the Division of Construction Procurement and register the joint venture as a bidder on the project. Also, the joint venture must obtain a digital ID from Bid Express to submit a bid. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor 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.

SPECIAL NOTE FOR PIPE INSPECTION

Contrary to Section 701.03.08 of the 2012 Standard Specifications for Road and Bridge Construction and Kentucky Method 64-114, certification by the Kentucky Transportation Center for prequalified Contractors to perform laser/video inspection is not required on this contract. It will continue to be a requirement for the Contractor performing any laser/video pipe inspection to be prequalified for this specialized item with the Kentucky Transportation Cabinet-Division of Construction Procurement.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by [KRS 14A.9-010](#) to obtain a certificate of authority to transact business in the Commonwealth (“certificate”) from the Secretary of State under [KRS 14A.9-030](#) unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the foreign entity is not required to obtain a certificate as provided in [KRS 14A.9-010](#), the foreign entity should identify the applicable exception. Foreign entity is defined within [KRS 14A.1-070](#).

For all foreign entities required to obtain a certificate of authority to transact business in the Commonwealth, if a copy of the certificate is not received by the contracting agency within the time frame identified above, the foreign entity’s solicitation response shall be deemed non-responsive or the awarded contract shall be cancelled.

Businesses can register with the Secretary of State at <https://secure.kentucky.gov/sos/ftbr/welcome.aspx>.

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

Questions about projects during the advertisement should be submitted in writing to the Division of Construction Procurement. This may be done by fax (502) 564-7299 or email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

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

The questions and answers will be posted for each Letting under the heading “Questions & Answers” on the Construction Procurement website (www.transportation.ky.gov/contract). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

HARDWOOD REMOVAL RESTRICTIONS

The Kentucky Division of Forestry has imposed a quarantine in Anderson, Boone, Bourbon, Boyd, Boyle, Bracken, Campbell, Carroll, Fayette, Franklin, Gallatin, Garrard,

Grant, Greenup, Hardin, Harrison, Henry, Jefferson, Jessamine, Kenton, Oldham, Owen, Pendleton, Scott, Shelby, Trimble, and Woodford Counties to prevent the spread of an invasive insect, the emerald ash borer. Hardwood cut in conjunction with the project may not be removed from the county of its origin. Chipping or burning on site is the preferred method of disposal.

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

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

ACCESS TO RECORDS

The contractor, as defined in KRS 45A.030 (9) agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this contract for the purpose of financial audit or program review. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and shall be exempt from disclosure as provided in KRS 61.878(1)(c). The contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884.

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

10/29/12



Steven L. Beshear
Governor

Commonwealth of Kentucky
Finance and Administration Cabinet
OFFICE OF THE SECRETARY
Room 383, Capitol Annex
702 Capital Avenue
Frankfort, KY 40601-3462
(502) 564-4240
Fax (502) 564-6785

Lori H. Flanery
Secretary

SECRETARY'S ORDER 11-004

FINANCE AND ADMINISTRATION CABINET

Vendor Document Disclosure

WHEREAS, in order to promote accountability and transparency in governmental operations, the Finance and Administration Cabinet believes that a mechanism should be created which would provide for review and assistance to an Executive Branch agency if said agency cannot obtain access to documents that it deems necessary to conduct a review of the records of a private vendor that holds a contract to provide goods and/or services to the Commonwealth; and

WHEREAS, in order to promote accountability and transparency in governmental operations, the Finance and Administration Cabinet believes that a mechanism should be created which would provide for review and assistance to an Executive Branch agency if said agency cannot obtain access to documents that it deems necessary during the course of an audit, investigation or any other inquiry by an Executive Branch agency that involves the review of documents; and

WHEREAS, KRS 42.014 and KRS 12.270 authorizes the Secretary of the Finance and Administration Cabinet to establish the internal organization and assignment of functions which are not established by statute relating to the Finance and Administration Cabinet; further, KRS Chapter 45A.050 and 45A.230 authorizes the Secretary of the Finance and Administration Cabinet to procure, manage and control all supplies and services that are procured by the Commonwealth and to intervene in controversies among vendors and state agencies; and

NOW, THEREFORE, pursuant to the authority vested in me by KRS 42.014, KRS 12.270, KRS 45A.050, and 45A.230, I, Lori H. Flanery, Secretary of the Finance and Administration Cabinet, do hereby order and direct the following:

- I. Upon the request of an Executive Branch agency, the Finance and Administration Cabinet ("FAC") shall formally review any dispute arising where the agency has requested documents from a private vendor that holds a state contract and the vendor has refused access to said documents under a claim that said documents are not directly pertinent or relevant to the agency's inquiry upon which the document request was predicated.
- II. Upon the request of an Executive Branch agency, the FAC shall formally review any situation where the agency has requested documents that the agency deems necessary to

conduct audits, investigations or any other formal inquiry where a dispute has arisen as to what documents are necessary to conclude the inquiry.

- III. Upon receipt of a request by a state agency pursuant to Sections I & II, the FAC shall consider the request from the Executive Branch agency and the position of the vendor or party opposing the disclosure of the documents, applying any and all relevant law to the facts and circumstances of the matter in controversy. After FAC's review is complete, FAC shall issue a Determination which sets out FAC's position as to what documents and/or records, if any, should be disclosed to the requesting agency. The Determination shall be issued within 30 days of receipt of the request from the agency. This time period may be extended for good cause.
- IV. If the Determination concludes that documents are being wrongfully withheld by the private vendor or other party opposing the disclosure from the state agency, the private vendor shall immediately comply with the FAC's Determination. Should the private vendor or other party refuse to comply with FAC's Determination, then the FAC, in concert with the requesting agency, shall effectuate any and all options that it possesses to obtain the documents in question, including, but not limited to, jointly initiating an action in the appropriate court for relief.
- V. Any provisions of any prior Order that conflicts with the provisions of this Order shall be deemed null and void.

SPECIAL NOTE FOR RECIPROCAL PREFERENCE

Reciprocal preference to be given by public agencies to resident bidders

By reference, KRS 45A.490 to 45A.494 are incorporated herein and in compliance regarding the bidders residency. Bidders who want to claim resident bidder status should complete the Affidavit for Claiming Resident Bidder Status along with their bid in the Expedite Bidding Program. Submittal of the Affidavit should be done along with the bid in Bid Express.

03/01/2011

ASPHALT MIXTURE

Unless otherwise noted, the Department estimates the rate of application for all asphalt mixtures to be 110 lbs/sy per inch of depth.

INCIDENTAL SURFACING

The Department has included in the quantities of asphalt mixtures established in the proposal estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, curve widening, ramp gores and tapers, and road and street approaches, as applicable. Pave these areas to the limits as shown on Standard Drawing RPM-110-06 or as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, pave the crossroads to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. Surface or resurface these areas as directed by the Engineer. The Department will not measure placing and compacting for separate payment but shall be incidental to the Contract unit price for the asphalt mixtures.

OPTION B

Be advised that the Department will control and accept compaction of asphalt mixtures furnished on this project under OPTION B in accordance with Sections 402 and 403.

KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

County: Estill Item No.: 10-8306.10

Federal Project No.: _____

Project Description:

Spot improvement on KY 89; correct sight distance problem on KY 89 at commercial entrance 0.495 miles south of the KY 794 junction.

Roadway Classification: Urban Rural
 Local Collector Arterial Interstate

ADT (current) 4520 AM Peak Current N/A PM Peak Current N/A % Trucks N/A

Project Designation: Significant Other: _____

Traffic Control Plan Design:

Taper and Diversion Design Speeds N/A

Minimum Lane Width: 10' Minimum Shoulder Width N/A

Minimum Bridge Width N/A

Minimum Radius 716' Maximum Grade 6.68% Exist

Minimum Taper Length: N/A Minimum Intersection Level of Service N/A

Existing Traffic Queue Lengths N/A Projected Traffic Queue Lengths N/A

Comments:

KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

Discussion:

1) Public Information Plan	
a) Prepare with assistance from <input checked="" type="checkbox"/> KYTC or <input type="checkbox"/> _____	
b) Identify Trip Generators Referenced	f) Railroad Involvement Referenced
c) Identify Types of Road Users Referenced	g) Address Pedestrians, Bikes Mass Transit Referenced
d) Public Information Message Referenced	h) Address Timing, Frequency, Updates, Effectiveness of Plan Referenced
e) Public Information Strategies to be used Referenced	i) Police & Other Emergency Services Referenced

KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

2) Temporary Traffic Control Plan (For Each Phase of Construction)	
Phase I	
Exposure Control Measures	Positive Protection Measures
a) Is Road Closure Allowed Type: Lane Closure Referenced	a) Address Drop Off Protection Criteria Referenced
b) Detour Conditions Referenced	b) Temporary Barrier Requirements Referenced
c) Working Hour Restrictions Referenced	c) Evaluation of Existing Guardrail Conditions N/A
d) Holiday or Special Event Work Restrictions Referenced	d) Address Temporary Drainage N/A
e) Evaluation of Intersection LOS Referenced	Uniformed Law Enforcement Officers Referenced
f) Evaluation of Queue Lengths Referenced	Payment for Traffic Control*
g) Evaluation of User Costs and Incentives/Disincentives Referenced	a) Method of Project Bidding Referenced
h) Address Pedestrians, Bikes, Mass Transit Referenced	b) Special Notes Referenced
Work Vehicles and Equipment Referenced	*Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
Comments:	
See Traffic Management Plan (TMP) Discussion. This project will be constructed in three phases.	

**KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
TRAFFIC MANAGEMENT PLAN**

APPROVAL:

Project Manager Date

Project Delivery and Preservation Manager Date

Engineering Support Manager Date

FHWA Representative Date

Revisions to the TMP require review/approval by the signatories.

TRAFFIC MANAGEMENT PLAN
ESTILL COUNTY
FD04 SPP 033 0089 015-016
KY 89 AT DRY RIDGE ROAD
ITEM NO. 10-8306.10

TRAFFIC CONTROL GENERAL NOTES

All traffic control devices shall comply with the standard drawings and the current manual on uniform traffic control devices. Except as provided herein, traffic shall be maintained in accordance with the current edition of the standard specifications for road and bridge construction and the standard drawings. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic until completion of the work will be paid at the lump bid price to "maintain and control traffic".

The relocation of signs for maintenance of traffic during construction, including mounting hardware and posts, shall be incidental to other items of work. Changes in the traffic control plan will require approval of the Engineer.

All barrels/drums are to be spaced no more than 50 feet apart during all phases of construction as shown on the plans and/or as directed by the Engineer.

Any major change or alternate temporary traffic control plan must submit to the same level of traffic impact analysis as was required for the initial TMP. The Contractor will not be permitted to implement any part of his/her alternate plan or revision until he/she has received written approval from the cabinet. All major revisions to the temporary Traffic Control Plan shall be reviewed by the initial signers to the subject plan before any revision is implemented.

BLASTING

During periods of blasting, complete road closure(s) will be no longer than 15 minutes. All debris from blasting will be removed and one lane opened to traffic within 15 minutes of initial closure. Blasting will only be permitted between the hours of 9:00 A.M. and 3:00 P.M. and any damage to the pavement and the surrounding areas is the responsibility of the contractor. The Contractor will coordinate all blasting activities with the Engineer prior to engaging the shot. If traffic is not reopened in the 15 minute time period, the contractor will be assessed a disincentive of \$2,000/hour.

HAULING OF WASTE MATERIAL

The hauling of waste material to the waste site specified by KYTC will only be permitted between the hours of 9:00 A.M. to 4:00 P.M. Monday through Friday.

PUBLIC INFORMATION PLAN (PIP)

KYTC District 10 Public Information Officer (PIO) will inform the motoring public and area stakeholders of project information including maintenance of traffic. The District Public Information Officer will coordinate and disseminate to stakeholders and the media appropriate

information regarding the construction plans. Prior to construction, signs shall be in place per applicable standard drawing(s) and/or as directed by the Engineer over the project limits.

SPECIAL NOTES

LANE CLOSURE

No direct payment will be made for any lane closure in place for greater than three (3) consecutive days. This item is incidental to "maintain & control traffic" and no direct payment will be made for any lane closure. Temporary lane closures will not be permitted during peak traffic hours between the hours of 6:00 A.M. and 9:00 P.M. and 3:00 P.M. and 6:00 P.M. Monday through Friday. Prior to installing any temporary lane closure, the contractor shall give a minimum of 10 days notice in writing and approval must be obtained from the Engineer.

FAILURE TO COMPLETE WORK ON TIME

For each calendar day beyond the agreed upon completion date of August 1, 2014, the Department will assess liquidated damages per section 108.09 of the current edition of the standard specifications for road and bridge construction.

LOCAL ACCESS AND TEMPORARY ENTRANCES

The Contractor shall be required to provide reasonable access, in the opinion of the engineer, to all approaches and entrances within the project limits. The Contractor will be required to provide continuous access to all entrances.

PAVEMENT DROP-OFFS

A minimum width of 10 feet with a minimum wedge of 3:1 will be maintained to any excavated drop off area at the end of any work period while leaving barrels in place in the respective area. Any other pavement edge that traffic is not expected to cross, except accidentally, should be treated as follows:

- Less than two inches - no protection required, warning signs should be placed in advance and throughout the drop-off area.
- Two to four inches - plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds of 50 mph or greater. Cones may be used in place of plastic drums, panels and barricades during daylight hours. For tangent sections with speed less than 50 mph and for curves, devices should be placed every 50 feet. Spacing of devices on tapered sections should be in accordance with the manual on uniform traffic control devices (MUTCD), current edition.
- Greater than four inches - positive separation or wedge with 3:1 or flatter slope needed. If there is eight feet or more distance between the edge of the pavement and drop-offs then Drums, panel, or barricades may be used. If the drop-off is greater than 12 inches, positive separation is strongly encouraged. If concrete barriers are used special reflective devices or steady burn lights should be used for overnight installations.

For temporary conditions, drop-offs greater than four inches may be protected with plastic

drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area. Lesser treatments than those described above may be considered for low-volume local streets.

Payment for temporary wedging (if necessary) is included in crushed stone base-see sheet R2D.

PROJECT PHASING & CONSTRUCTION PROCEDURES KY 89

Traffic shall be maintained in accordance with the plans, these notes, and the current edition of the standard specifications for the road and bridge construction. The Contractor shall maintain a minimum lane width of ten (10) feet unless otherwise noted.

Prior to any clearing, grubbing and excavation, construct perimeter controls such as but not limited to temporary silt fence to ensure that disturbed sediment does not leave the project site.

Install construction signs throughout the entire construction area per applicable standard drawing(s) and/or as directed by the engineer.

Note-once excavation/trenching has been completed adjacent to the existing road, the rock roadbed will be placed prior to the end of each work day/shift.

PHASE I:

Flaggers for temporary lane closure(s) will be present between the hours of 9:00 A.M. and 3:00 P.M. Monday through Friday. Two lanes of traffic on KY 89 will be maintained at all other times.

Place channelizing devices (barrels/drums) per the TMP plans in the right lane of KY 89. Maintain traffic in the left lane of KY 89 with the use of flaggers.

Construct the right side embankment, pavement base widening, guardrail, etc. per the plans.

PHASE II:

Flaggers for temporary lane closure(s) will be present between the hours of 9:00 A.M. and 3:00 P.M. Two lanes of traffic will be maintained at all other times.

Place channelizing devices (barrels/drums) per the TMP plans to close the left lane of KY 89. Maintain traffic in the right lane of KY 89 with the use of flaggers.

Step 1:

Construct the left side of KY 89 from STA. 6+20 to STA. 10+65. Maintain Dry Ridge traffic on existing Dry Ridge Road. Construct the left side pavement base widening on KY 89 from STA. 6+20 to STA. 10+65. Construct Dry Ridge Road and the residential entrance at STA. 51+00.

Step 2:

Utilize a weekend closure of Dry Ridge Road from STA. 51+40 to STA. 53+50 for construction. Maintain access to the adjacent residence through the newly constructed entrance at Dry Ridge Road. Dry Ridge Road will be closed between Friday at 7:00 P.M. to Monday at 7:00 A.M. The Engineer will be notified 10 days in advance of any closure.

Step 3:

Construct pavement base widening and drainage devices per the plans on KY 89 from STA. 3+80 to STA. 6+20.

PHASE III:

Place the final pavement surface on KY 89 and Dry Ridge Road throughout the project limits and stripe then install signs per the plans.

Supplement 1

**KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
TRAFFIC MANAGEMENT PLAN**

2) Temporary Traffic Control Plan Phase I (Supplemental to sheet 3 of 4)

Exposure Control Measures

- a) **Is Road Closure Allowed:** NO
- b) **Detour Conditions:** N/A
- c) **Working Hour Restrictions:** See TMP notes
- d) **Holiday or Special Event Work Restrictions:** N/A
- e) **Evaluation of Intersection LOS:** N/A
- f) **Evaluation of Queue Lengths:** N/A
- g) **Evaluation of User Costs and Incentives/Disincentives:** N/A
- h) **Address Pedestrians, Bikes, Mass Transit:** Not required

Work Vehicles and Equipment see TMP notes

Positive Protection Measures see TMP notes

- a) **Address Drop Off Protection Criteria:** YES

Temporary Barrier Requirements: See TMP General Notes

- c) **Evaluation of Existing Guardrail Conditions:** N/A

- d) **Address Temporary Drainage:** N/A

Uniform Law Enforcement Officers: Not required.

Payment for Traffic Control Payment for traffic control items shall be in accordance with the current edition of Kentucky Department of Highways Standard Specifications for Road and Bridge Construction.

Supplement 2

- a) **Method of Project Bidding:** Open
- b) **Special Notes:** See TMP General Notes.

Comments:

KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

County: Estill Item No.: 10-8306.20

Federal Project No.: _____

Project Description:

Spot improvement on KY 89; correct sight distance problem on KY 89 at commercial entrance 0.495 miles south of the KY 794 junction.

Roadway Classification: Urban Rural
 Local Collector Arterial Interstate

ADT (current) 4520 AM Peak Current N/A PM Peak Current N/A % Trucks N/A

Project Designation: Significant Other: _____

Traffic Control Plan Design:

Taper and Diversion Design Speeds N/A

Minimum Lane Width: 10' Minimum Shoulder Width N/A

Minimum Bridge Width N/A

Minimum Radius 2436' Maximum Grade 6.91%

Minimum Taper Length: N/A Minimum Intersection Level of Service N/A

Existing Traffic Queue Lengths N/A Projected Traffic Queue Lengths N/A

Comments:

KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

Discussion:

1) Public Information Plan	
a) Prepare with assistance from <input checked="" type="checkbox"/> KYTC or <input type="checkbox"/> _____	
b) Identify Trip Generators Referenced	f) Railroad Involvement Referenced
c) Identify Types of Road Users Referenced	g) Address Pedestrians, Bikes Mass Transit Referenced
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KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

2) Temporary Traffic Control Plan (For Each Phase of Construction) Phase I	
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Work Vehicles and Equipment Referenced	*Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
Comments:	
See Traffic Management Plan (TMP) Discussion. This project will be constructed in four phases.	

**KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
TRAFFIC MANAGEMENT PLAN**

APPROVAL:

Project Manager

Date

Project Delivery and Preservation Manager

Date

Engineering Support Manager

Date

FHWA Representative

Date

Revisions to the TMP require review/approval by the signatories.

TRAFFIC MANAGEMENT PLAN
ESTILL COUNTY
FD04 SPP 033 0089 015-017
KY 89 AT TIRE SHREDDER
ITEM NO. 10-8306.20

TRAFFIC CONTROL GENERAL NOTES

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The relocation of signs for maintenance of traffic during construction, including mounting hardware and posts, shall be incidental to other items of work. Changes in the traffic control plan will require approval of the Engineer.

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BLASTING

During periods of blasting, complete road closure(s) will be no longer than 15 minutes. All debris from blasting will be removed and one lane opened to traffic within 15 minutes of initial closure. Blasting will only be permitted between the hours of 9:00 A.M. and 3:00 P.M. and any damage to the pavement and the surrounding areas is the responsibility of the Contractor. The Contractor will coordinate all blasting activities with the Engineer prior to engaging the shot. If traffic is not reopened in the 15 minute time period, the Contractor will be assessed a disincentive of \$2,000/hour.

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The hauling of waste material to the waste site specified by KYTC will only be permitted between the hours of 9:00 A.M. to 4:00 P.M. Monday through Friday.

PUBLIC INFORMATION PLAN (PIP)

KYTC District 10 Public Information Officer (PIO) will inform the motoring public and area stakeholders of project information including maintenance of traffic. The District Public Information Officer will coordinate and disseminate to stakeholders and the media appropriate

information regarding the construction plans. Prior to construction, signs shall be in place per applicable standard drawing(s) and/or as directed by the Engineer over the project limits.

SPECIAL NOTES

LANE CLOSURE

No direct payment will be made for any lane closure in place for greater than three (3) consecutive days. This item is incidental to maintain & control traffic and no direct payment will be made for any lane closure. Temporary lane closures will not be permitted during peak traffic hours between the hours of 6:00 A.M. and 9:00 A.M. and 3:00 P.M. and 6:00 P.M. Monday through Friday. Prior to installing any temporary lane closure, the contractor shall give a minimum of 10 days notice in writing and approval must be obtained from the Engineer.

FAILURE TO COMPLETE WORK ON TIME

For each calendar day beyond the agreed upon completion date of August 1, 2014, the department will assess liquidated damages per section 108.09 of the current edition of the standard specifications for road and bridge construction.

LOCAL ACCESS AND TEMPORARY ENTRANCES

The Contractor shall be required to provide reasonable access, in the opinion of the Engineer, to all approaches and entrances within the project limits. The Contractor will be required to provide continuous access to all entrances.

PAVEMENT DROP-OFFS

A minimum width of 10 feet with a minimum wedge of 3:1 will be maintained to any excavated drop off area at the end of any work period while leaving barrels in place in the respective area. Any other pavement edge that traffic is not expected to cross, except accidentally, should be treated as follows:

- Less than two inches - no protection required, warning signs should be placed in advance and throughout the drop-off area.
- Two to four inches - plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds of 50 mph or greater. Cones may be used in place of plastic drums, panels and barricades during daylight hours. For tangent sections with speed less than 50 mph and for curves, devices should be placed every 50 feet. Spacing of devices on tapered sections should be in accordance with the manual on uniform traffic control devices (MUTCD), current edition.
- Greater than four inches - positive separation or wedge with 3:1 or flatter slope needed. If there is eight feet or more distance between the edge of the pavement and drop-offs then Drums, panel, or barricades may be used. If the drop-off is greater than 12 inches, positive separation is strongly encouraged. If concrete barriers are used special reflective devices or steady burn lights should be used for overnight installations.

For temporary conditions, drop-offs greater than four inches may be protected with plastic

drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area. Lesser treatments than those described above may be considered for low-volume local streets.

Payment for temporary wedging (if necessary) is included in crushed stone base-see sheet R2D.

PROJECT PHASING & CONSTRUCTION PROCEDURES KY 89

Traffic shall be maintained in accordance with the plans, these notes, and Section 112 of the standard specifications for the road and bridge construction, current edition. The Contractor shall maintain a minimum lane width of ten (10) feet unless otherwise noted.

Prior to any clearing, grubbing and excavation, construct perimeter controls such as but not limited to temporary silt fence to ensure that disturbed sediment does not leave the project site.

Install construction signs throughout the entire construction area per applicable standard drawing(s) and/or as directed by the Engineer.

Note-once excavation/trenching has been completed adjacent to the existing road, the rock roadbed will be placed prior to the end of each work day/shift.

PHASE I:

Flaggers for temporary lane closure(s) will be present between the hours of 9:00 A.M and 3:00 P.M. Monday through Friday. Two lanes of traffic on KY 89 will be maintained at all other times.

Step 1:

Place channelizing devices (barrels/drums) in the right lane of KY 89. Maintain traffic in the left lane of KY 89 with the use of flaggers. Perform rock cut on the right side of KY 89 and construct temporary pavement widening on the right side of KY 89 per the plans.

Step 2:

Place channelizing devices (barrels/drums) to close the left lane of KY 89. Maintain traffic in the right lane of KY 89 with the use of flaggers. Perform rock cut on the left side of KY 89 and construct the Tire Shredder approach and construct drainage structures and/or devices per the plans.

PHASE II:

Place temporary barrier wall from STA. 25+40 to STA. 33+10 and temporary crash cushion at STA. 25+40 and STA. 33+10 to maintain and control traffic. Close the left lane of KY 89 from STA. 22+80 to STA. 33+30 and maintain traffic in the right lane of KY 89 through the use of temporary traffic signals. Construct the left side of KY 89 and left side drainage devices per the plans. Closure of the left lane will remain in place for no longer than two weeks. The two weeks

will begin at 8 P.M. on a Friday and open by 6 A.M. the Monday after said two week period. Failure to open the lane in the two week period will result in a penalty of \$2,000 per day.

PHASE III:

Shift traffic to the left side of KY 89 and relocate the temporary barrier wall from STA. 23+00 to STA. 31+60 with a temporary crash cushion at STA. 23+00 and STA. 31+60. The right lane will be closed and traffic will be maintained on the left side of KY 89 through the use of temporary traffic signals. Construct the right side of KY 89 and right side drainage devices per the plans. Closure of right lane will remain in place for no longer than two weeks. The two weeks will begin at 8 P.M. on a Friday and open by 6 A.M. the Monday after said two week period. Failure to open KY 89 in the two week period will result in a penalty of \$2,000 per day.

PHASE IV:

Place the final pavement surface on KY 89 and the Tire Shredder approach throughout the project limits. Stripe and install signs throughout the project limits per the plans.

NOTES:

Phase III may begin upon completion of Phase II.

Phase II and phase III shall not be performed at the same time.

Supplement 1

**KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
TRAFFIC MANAGEMENT PLAN**

2) Temporary Traffic Control Plan Phase I (Supplemental to sheet 3 of 4)

Exposure Control Measures

- a) **Is Road Closure Allowed:** NO
- b) **Detour Conditions:** N/A
- c) **Working Hour Restrictions:** See TMP notes
- d) **Holiday or Special Event Work Restrictions:** N/A
- e) **Evaluation of Intersection LOS:** N/A
- f) **Evaluation of Queue Lengths:** N/A
- g) **Evaluation of User Costs and Incentives/Disincentives:** N/A
- h) **Address Pedestrians, Bikes, Mass Transit:** Not required

Work Vehicles and Equipment see TMP notes

Positive Protection Measures see TMP notes

- a) **Address Drop Off Protection Criteria:** YES

Temporary Barrier Requirements: See TMP General Notes

- c) **Evaluation of Existing Guardrail Conditions:** N/A

- d) **Address Temporary Drainage:** N/A

Uniform Law Enforcement Officers: Not required.

Payment for Traffic Control Payment for traffic control items shall be in accordance with the current edition of Kentucky Department of Highways Standard Specifications for Road and Bridge Construction.

Supplement 2

- a) **Method of Project Bidding:** Open
- b) **Special Notes:** See TMP General Notes.

Comments:

SPECIAL NOTE FOR FIXED COMPLETION DATE

**Estill County
KY 89
Item No. 10-8306.10**

**FOR EACH CALENDAR DAY BEYOND THE AGREED UPON
COMPLETION DATE OF AUGUST 1, 2014, THE DEPARTMENT WILL
ASSESS LIQUIDATED DAMAGES PER SECTION 108.09 OF THE
CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION.**

SPECIAL NOTE FOR FIXED COMPLETION DATE

**Estill County
KY 89
Item No. 10-8306.20**

**FOR EACH CALENDAR DAY BEYOND THE AGREED UPON
COMPLETION DATE OF AUGUST 1, 2014, THE DEPARTMENT WILL
ASSESS LIQUIDATED DAMAGES PER SECTION 108.09 OF THE
CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD
AND BRIDGE CONSTRUCTION.**

**SPECIAL NOTE CONCERNING
EXCESS MATERIAL SITE**

**ESTILL COUNTY
SPOT IMPROVEMENT ON KY 89
ITEM 10-8306.10**

THIS NOTE SHALL SERVE AS A NOTICE TO THE CONTRACTOR THAT A CONSENT AND RELEASE HAS BEEN SIGNED WITH THE ESTILL COUNTY FISCAL COURT TO ACCEPT EXCESS FILL MATERIAL FROM THIS PROJECT. AN ATTACHED DISPLAY SHOWS THE APPROXIMATE LOCATION OF THE SITE IN RELATION TO THE PROJECT LOCATION. COORDINATION WITH ESTILL COUNTY FISCAL COURT WILL BE REQUIRED TO OBTAIN DETAILED INFORMATION ABOUT THE SITE AND SPECIFIC LOCATIONS OF WHERE EXCESS FILL IS TO BE PLACED. NO PERMIT WAS OBTAINED FOR THE SITE. MATERIAL SHOULD BE PLACED IN A MANNER TO AVOID IMPACTS TO FEMA DESIGNATED FLOODPLAIN OR ANY USACOE JURISDICTIONAL WATER.



**SPECIAL NOTE CONCERNING
EXCESS MATERIAL SITE**

**ESTILL COUNTY
SPOT IMPROVEMENT ON KY 89
ITEM 10-8306.20**

THIS NOTE SHALL SERVE AS A NOTICE TO THE CONTRACTOR THAT A CONSENT AND RELEASE HAS BEEN SIGNED WITH THE ESTILL COUNTY FISCAL COURT TO ACCEPT EXCESS FILL MATERIAL FROM THIS PROJECT. AN ATTACHED DISPLAY SHOWS THE APPROXIMATE LOCATION OF THE SITE IN RELATION TO THE PROJECT LOCATION. COORDINATION WITH ESTILL COUNTY FISCAL COURT WILL BE REQUIRED TO OBTAIN DETAILED INFORMATION ABOUT THE SITE AND SPECIFIC LOCATIONS OF WHERE EXCESS FILL IS TO BE PLACED. NO PERMIT WAS OBTAINED FOR THE SITE. MATERIAL SHOULD BE PLACED IN A MANNER TO AVOID IMPACTS TO FEMA DESIGNATED FLOODPLAIN OR ANY USACOE JURISDICTIONAL WATER.



**KENTUCKY TRANSPORTATION CABINET
DIVISION OF RIGHT OF WAY
CONSENT AND RELEASE**

COUNTY ESTILL ITEM NO. 10-8306.10 / 10-8306.20

ROAD NAME Irvine - Winchester Rd. (KY89)

WHEREAS, the Transportation Cabinet, Commonwealth of Kentucky, finds it necessary in order to construct the SIGHT DISTANCE IMPROVEMENT PROJECT 10-8306.10 /8306.20 certain work must be done on the property of the undersigned to facilitate the subject project. The work that will be done is described as follows:

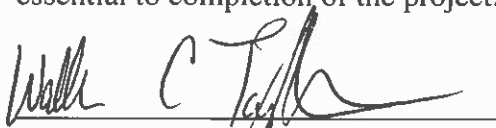
Place excess fill material

on the land of ESTILL COUNTY FISCAL COURT

The property of the undersigned that is the subject of this Consent and Release is described in Exhibit A attached hereto, and made a part of this instrument.

NOW, THEREFORE, in consideration of the the monetary compensation and incidental benefits that may accrue to the property, or otherwise to this landowner, Estill County Fiscal Court, by Wallace C. Taylor, County Judge Executive, to be his act and deed in accordance with the Estill County Fiscal Court, I hereby grant a right of entry, and do consent and agree that the Transportation Cabinet, its agents or assigns, may come upon the property and do the work as set out above.

The undersigned acknowledges that no just compensation other than the excess fill material will be received and does further agree that this Consent and Release is irrevocable. It is understood that this is not a conveyance of the subject property but a license for the Transportation Cabinet, its representative, agents or assigns, to enter thereon and do work essential to completion of the project.



County Judge Executive
Wallace C. Taylor

CERTIFICATE OF ACKNOWLEDGEMENT

COMMONWEALTH OF KENTUCKY

COUNTY OF ESTILL

I, the undersigned, certify that the foregoing consent and release was produced before me in my said County and State and duly acknowledged by ESTILL COUNTY FISCAL COURT by Wallace C. Taylor, County Judge Executive, to be his act and deed in accordance with the Estill County Fiscal Court, on this 11 day of September 2013.

My Notary Commission expires 6-7-16



Notary Public State at Large

PREPARED BY _____
Will Fogle, ATTORNEY
Transportation Cabinet
Office of Legals Services
200 Mero Street
Frankfort, KY 40622
(502)564-7650

Right-of-Way Certification Form

Revised 2/22/11

Federal Funded

Original

State Funded

Re-Certification

This form must be completed and submitted to FHWA with the PS&E package for federal-aid funded Interstate, Appalachia, and Major projects. This form shall also be submitted to FHWA for all federal-aid projects that fall under Conditions No. 2 or 3 outlined elsewhere in this form. When Condition No. 2 or 3 apply, KYTC shall resubmit this ROW Certification prior to construction contract Award. For all other federal-aid projects, this form shall be completed and retained in the KYTC project file.

Date: 26 September 2013

Project Name: KY 89 Spot Improvements

Letting Date: 13 December 2013

Project #: 100 FD04 033 8123301R

County: Estill

Item #: 10-8306.10

Federal #: _____

Description of Project: Spot improvements to correct sight distance at KY89-Dry Ridge Rd

Projects that require **NO** new or additional right-of-way acquisitions and/or relocations

The proposed transportation improvement will be built within the existing rights-of-way and there are no properties to be acquired, individuals, families, and businesses ("relocatees") to be relocated, or improvements to be removed as a part of this project.

Projects that require new or additional right-of-way acquisitions and/or relocations

Per 23 CFR 635.309, the KYTC hereby certify that all relocatees have been relocated to decent, safe, and sanitary housing or that KYTC has made available to relocatees adequate replacement housing in accordance with the provisions of the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program and that at least one of the following three conditions has been met. (Check those that apply.)

Condition 1. All necessary rights-of-way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Fair market value has been paid or deposited with the court.

Condition 2. Although all necessary rights-of-way have not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Trial or appeal of some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Fair market value has been paid or deposited with the court for most parcels. Fair market value for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract. (See note 1 below.)

Note 1: The KYTC shall re-submit a right-of-way certification form for this project prior to AWARD of all Federal-Aid construction contracts. Award must not to be made until after KYTC has obtained full legal possession and fair market value for all parcels has been paid or deposited with the court and FHWA has concurred in the re-submitted right-of-way certification.

Right-of-Way Certification Form

Revised 2/22/11

Condition 3. The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. However, all remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. The KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary rights-of-way will not be fully acquired, and/or some occupants will not be relocated, and/or the fair market value will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction. A full explanation and reason for this request, including identification of each such parcel and dates on which acquisitions, payments, and relocations will be completed, is attached to this certification form for FHWA concurrence. (See note 2.)

Note 2: The KYTC may request authorization on this basis only in unique and unusual circumstances. Proceeding to bid letting shall be the exception and never become the rule. In all cases, the KYTC shall make extraordinary efforts to expedite completion of the acquisition, payment for all affected parcels, and the relocation of all relocatees prior to AWARD of all Federal-Aid construction contracts or force account construction.

Approved: Bruce K. Napier
Printed Name


Signature Right-of-Way Supervisor

Approved: DAVID L. ORR
Printed Name

 11/19/13
Signature KYTC, Director of ROW & Utilities

Approved: _____
Printed Name

Signature FHWA, ROW Officer (when applicable)

Right-of-Way Certification Form

Revised 2/22/11

Date: 26 September 2013

Project Name: KY 89 Spot Improvements

Project #: 100 FD04 033 8123301R

Item #: 10-8306.10

Letting Date: 13 December 2013

County: Estill

Federal #: _____

This project has 3 total number of parcels to be acquired, and _____ total number of individuals or families to be relocated, as well as _____ total number of businesses to be relocated.

3 _____ Parcels where acquired by a signed fee simple deed and fair market value has been paid

_____ Parcels have been acquired by IOJ through condemnation and fair market value has been deposited with the court

_____ Parcels have not been acquired at this time (*explain below for each parcel*)

_____ Parcels have been acquired or have a "right of entry" but fair market value has not been paid or has not been deposited with the court (*explain below for each parcel*)

_____ Relocatees have not been relocated from parcels _____, _____, _____, _____, _____, _____, and _____ (*explain below for each parcel*)

Parcel #	Name/Station	Explanation for delayed acquisition, delayed relocation, or delayed payment of fair market value	Proposed date of payment or of relocation

There are _____ billboards and/or _____ cemeteries involved on this project.

There are _____ water or monitoring wells on parcels _____, _____, _____, _____, and _____. All have been acquired and are the responsibility of the project contractor to close/cap.

Form Effective Date: April 1, 2006

Last Revised: February 22, 2011

Right-of-Way Certification Form

Revised 2/22/11

Federal Funded

Original

State Funded

Re-Certification

This form must be completed and submitted to FHWA with the PS&E package for federal-aid funded Interstate, Appalachia, and Major projects. This form shall also be submitted to FHWA for all federal-aid projects that fall under Conditions No. 2 or 3 outlined elsewhere in this form. When Condition No. 2 or 3 apply, KYTC shall resubmit this ROW Certification prior to construction contract Award. For all other federal-aid projects, this form shall be completed and retained in the KYTC project file.

Date: 26 September 2013

Project Name: KY 89 Spot Improvements

Letting Date: 25 October 2013

Project #: 1100 FD04 033 8123302R

County: Estill

Item #: 10-8306.20

Federal #: _____

Description of Project: Spot improvement to correct sight distance vic Jct. KY 794

Projects that require **NO** new or additional right-of-way acquisitions and/or relocations

- The proposed transportation improvement will be built within the existing rights-of-way and there are no properties to be acquired, individuals, families, and businesses ("relocatees") to be relocated, or improvements to be removed as a part of this project.

Projects that require new or additional right-of-way acquisitions and/or relocations

- Per 23 CFR 635.309, the KYTC hereby certify that all relocatees have been relocated to decent, safe, and sanitary housing or that KYTC has made available to relocatees adequate replacement housing in accordance with the provisions of the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program and that at least one of the following three conditions has been met. (Check those that apply.)

- Condition 1.** All necessary rights-of-way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Fair market value has been paid or deposited with the court.

- Condition 2.** Although all necessary rights-of-way have not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Trial or appeal of some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Fair market value has been paid or deposited with the court for most parcels. Fair market value for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract. (See note 1 below.)

Note 1: The KYTC shall re-submit a right-of-way certification form for this project prior to AWARD of all Federal-Aid construction contracts. Award must not to be made until after KYTC has obtained full legal possession and fair market value for all parcels has been paid or deposited with the court and FHWA has concurred in the re-submitted right-of-way certification.

Right-of-Way Certification Form

Revised 2/22/11

Condition 3. The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. However, all remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. The KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary rights-of-way will not be fully acquired, and/or some occupants will not be relocated, and/or the fair market value will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction. A full explanation and reason for this request, including identification of each such parcel and dates on which acquisitions, payments, and relocations will be completed, is attached to this certification form for FHWA concurrence. (See note 2.)


Note 2: The KYTC may request authorization on this basis only in unique and unusual circumstances. Proceeding to bid letting shall be the exception and never become the rule. In all cases, the KYTC shall make extraordinary efforts to expedite completion of the acquisition, payment for all affected parcels, and the relocation of all relocatees prior to AWARD of all Federal-Aid construction contracts or force account construction.

Approved: Bruce K. Napier
Printed Name


Signature

Right-of-Way Supervisor

Approved: DAVID L. ORR
Printed Name


Signature

KYTC, Director of ROW & Utilities

Approved: _____
Printed Name

Signature

FHWA, ROW Officer (when applicable)

Right-of-Way Certification Form

Revised 2/22/11

Date: 26 September 2013

Project Name: KY 89 Spot Improvements
 Project #: 1100 FD04 033 8123302R
 Item #: 10-8306.20
 Letting Date: 25 October 2013

County: Estill
 Federal #: _____

This project has 3 total number of parcels to be acquired, and _____ total number of individuals or families to be relocated, as well as _____ total number of businesses to be relocated.

- 3 _____ Parcels where acquired by a signed fee simple deed and fair market value has been paid
- _____ Parcels have been acquired by IOJ through condemnation and fair market value has been deposited with the court
- _____ Parcels have not been acquired at this time (*explain below for each parcel*)
- _____ Parcels have been acquired or have a "right of entry" but fair market value has not been paid or has not been deposited with the court (*explain below for each parcel*)
- _____ Relocatees have not been relocated from parcels _____, _____, _____, _____, _____, _____, and _____ (*explain below for each parcel*)

Parcel #	Name/Station	Explanation for delayed acquisition, delayed relocation, or delayed payment of fair market value	Proposed date of payment or of relocation

There are _____ billboards and/or _____ cemeteries involved on this project.

There are _____ water or monitoring wells on parcels _____, _____, _____, _____, and _____. All have been acquired and are the responsibility of the project contractor to close/cap.

Form Effective Date: April 1, 2006
Last Revised: February 22, 2011

SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

ESTILL COUNTY
FD04 033 8123301 U
Irvine-Clay City Road (KY 89/KY82)
Item No. 10-8306.10 & 10-8306.20

GENERAL PROJECT NOTE ON UTILITY PROTECTION

NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Windstream Communications, Inc. has relocated their Company's facilities on above subject project.

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY'S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

Estill County Water District waterline facilities will implement water line relocation into the roadway contract.

The District's Division "A" waterline installation follows: 700 L.F. of 4-inch SDR 17, 600 L.F. of 4-inch Restrained Joint, Ductile Iron Pipe-Complete, two (2) 4-inch x 4inch Ductile Iron, Mechanical Joint Tapping Sleeve/Valve/Box/Concrete Collar-Complete, 80 L.F. of 3/4-inch Polyethylene Service Line/Complete, two (2) 5/8-

SPECIAL NOTES FOR UTILITY CLEARANCE

IMPACT ON CONSTRUCTION

<p>ESTILL COUNTY FD04 033 8123301 U Irvine-Clay City Road (KY 89/KY82) Item No. 10-8306.10 & 10-8306.20</p>

inch x ¾-inch Meter Setting-Complete, two (2) Existing Service Line Reconnection, two (2) Cut, Cap, and Block Existing 4-inch Line-Complete, one (1) Test Meter Assembly-Complete, one (1) Flushing Hydrant-Complete, one (1) Auto Air Release Assembly-Complete, fifteen (15) Fiberglass Line Marker, 30 Tons of Crushed Stone.

The District's Division "B" Section 1 waterline installation follows: 400 L.F. of 6-inch SDR 17, Class 250 PVC Pipe-Complete, one (1) 6-inch x 6-inch Ductile Iron, Mechanical Joint Tapping Sleeve, Valve, Box Concrete Collar-Complete, two (2) 6-inch Resilient Seat Gate Valve, Box Concrete Collar-Complete, 130 L.F. ¾-inch Polyethylene Service Line-Complete, one (1) 5/8-inch x ¾-inch Meter Setting-Complete, one (1) Existing Meter Reconnect-Complete, one (1) Cut, Cap, and Block Existing Service Line-Complete, one (1) Automatic Air Release Assembly-Complete, one (1) Cut, Cap, and Block Existing 6-inch Line-Complete, three (3) Fiberglass Line Marker, 30 Tons of Crushed Stone, 100 L.F. of Bituminous Surface Replacement-Trench Width, one (1) Abandon and Remove Existing Hydrant and Return to Owner.

The District's Division "B" Section 2 waterline installation follows: 800 L.F. of 4-inch SDR-17, Class 250 PVC Pipe-Complete, one (1) 4-inch x 4-inch Ductile Iron, Mechanical Joint Tapping

SPECIAL NOTES FOR UTILITY CLEARANCE

IMPACT ON CONSTRUCTION

ESTILL COUNTY
FD04 033 8123301 U
Irvine-Clay City Road (KY 89/KY82)
Item No. 10-8306.10 & 10-8306.20

Sleeve, Valve, Box, Concrete Collar-Complete, one (1) 4-Inch Resilient Seated Gate Valve, Box, Concrete Collar, 40 L.F. of 10-inch x 0.250 Steel Cover Pipe, Spacers, End Seals-Complete, 40 L.F. 10-inch Bore-Complete, eight (8) Fiberglass Line Markers, one (1) 5/8-inch x 3/4-inch Meter Setting-Complete, one (1) Reconnect to Existing Meter-Complete, one (1) Flushing Hydrant Assembly-Complete, one (1) Cut, Cap and Block Existing 4-inch Line-Complete and one (1) Abandon, Remove Existing Flushing Hydrant, Valve and return to Owner

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD
CONTRACTOR AS INCLUDED IN THIS CONTRACT

SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

ESTILL COUNTY
FD04 033 8123301 U
Irvine-Clay City Road (KY 89/KY82)
Item No. 10-8306.10 & 10-8306.20

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

AREA UTILITIES CONTACT LIST

<u>Utility Company/Agency</u>	<u>Contact Name</u>	<u>Contact Information</u>
<u>Windstream Communications, Inc.</u>	<u>Gene Dunn</u>	<u>(859) 357-6216</u>
<u>Estill County Water District</u>	<u>Dwight Richardson</u>	<u>(606) 643-5424</u>

SPECIAL NOTE FOR EROSION CONTROL

I. DESCRIPTION

Perform all erosion and water pollution control work in accordance with the Department's 2008 Standard Specifications, these notes, and interim Supplemental Specifications, Special Provisions and Special Notes, and Standard and Sepia Drawings, current editions, and as directed by the Engineer. Section references are to the Standard Specifications. This work shall consist of:

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

II. MATERIALS

Furnish materials in accordance with these notes, the Standard Specifications and interim Supplemental Specifications, and applicable Special Provisions and Special Notes, and Standard and Sepia Drawings, current editions. Provide for all materials to be sampled and tested in accordance with the Department's Sampling Manual. Unless directed otherwise by the Engineer, make the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing.

III. CONSTRUCTION

Be advised, these Erosion Control Plan Notes do not constitute a BMP plan for the project. Jointly with the Engineer, prepare a site specific BMP plan for each drainage area within the project in accordance with Section 213 and the supplemental specifications. Provide a unique BMP at each project site using good engineering practices taking into account existing site conditions, the type of work to be performed, and the construction phasing, methods and techniques to be utilized to complete the work. Be responsible for all erosion prevention, sediment control, and water pollution prevention measures required by the BMP for each site. Represent and warrant compliance with the Clean Water Act (33 USC Section 1251 et seq.), the 404 Permit, the 401 Water Quality

Erosion Control

Page 2 of 4

Certification, and applicable state and local government agency laws, regulations, rules, specifications, and permits. Contrary to Section 105.05, in case of discrepancy between these notes, the Standard Specifications, interim Supplemental Specifications, Special and Special Notes, Standard and Sepia Drawings, and such state and local government agency requirements, adhere to the most restrictive requirement.

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

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

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

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

IV. MEASUREMENT

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

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

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

Erosion Control. Contrary to Sections 212.04 and 213.04, other than Erosion Control Blankets, Sodding, and Channel Lining, the Department will measure Erosion Control as one lump sum. The Department will not measure developing, updating, and maintaining a BMP plan for each site; providing a KEPSC qualified inspector; locating, furnishing, installing, inspecting, maintaining, and removing erosion and water pollution control items; Roadway Excavation, Borrow Excavation, Embankment In Place, Topsoil Furnished and Placed, and Spreading Stockpiled Topsoil; Topdressing Fertilizer, Temporary and Permanent Seeding and Protection, Special Seeding Crown Vetch, and Temporary Mulch; Sedimentation Basin and Clean Sedimentation Basin, Silt Trap Type "A" and Clean Silt Trap Type "A"; Silt Trap Type "B" and Clean Silt Trap Type "B"; Silt Trap Type "C" and Clean Silt Trap Type "C"; Temporary Silt Fence and Clean Temporary Silt Fence; Plants, Vines, Shrubs, and Trees; Gabion and Dumped Stone Deflectors and Riffle Structures; Boulders; and Temporary Ditches and clean Temporary Ditches; and all other erosion and water pollution control items required by the BMP or the Engineer, but shall be incidental to Erosion Control.

V. Basis of Payment

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

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

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

Erosion Control
Page 4 of 4

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

EXHIBIT #2

PCN #

SYP Item #10-8306.10 Spot Improvement on KY 89 Estill Co.

**KPDES NOI for Stormwater Discharges Associated with
Construction Activity Under the KPDES General Permit**

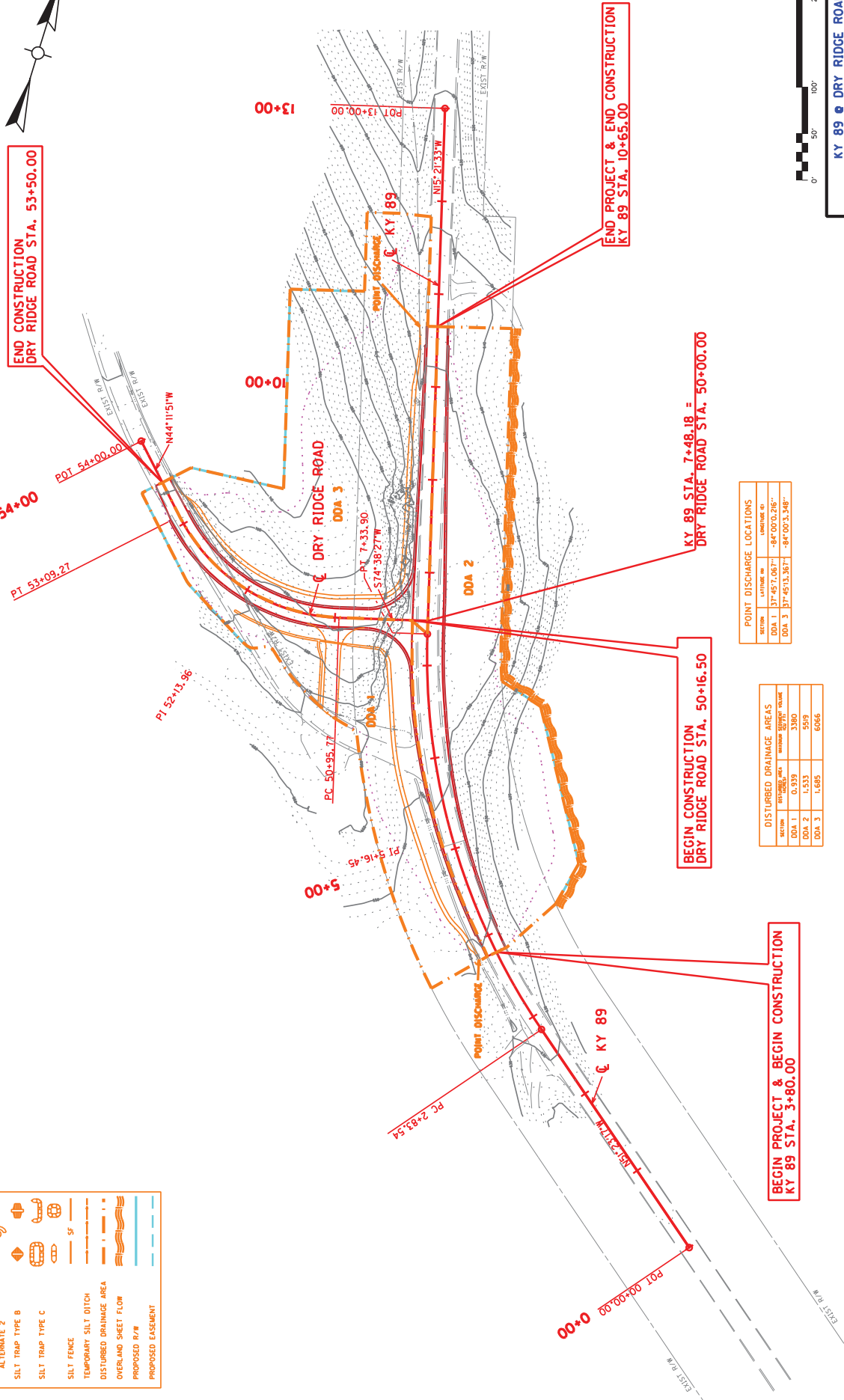
Transaction ID:

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COUNTY OF	ITEM NO.	SHEET
ESTILL	10-8306.JD	87

EROSION CONTROL LEGEND

SILT TRAP TYPE A ALTERNATE 1	
SILT TRAP TYPE A ALTERNATE 2	
SILT TRAP TYPE B	
SILT TRAP TYPE C	
SILT FENCE	
TEMPORARY SILT DITCH	
DISTURBED DRAINAGE AREA	
OVERLAND SHEET FLOW	
PROPOSED R/W	
PROPOSED EASEMENT	



**END CONSTRUCTION
DRY RIDGE ROAD STA. 53+50.00**

**END PROJECT & END CONSTRUCTION
KY 89 STA. 10+65.00**

**KY 89 STA. 7+48.18 =
DRY RIDGE ROAD STA. 50+00.00**

**BEGIN CONSTRUCTION
DRY RIDGE ROAD STA. 50+16.50**

**BEGIN PROJECT & BEGIN CONSTRUCTION
KY 89 STA. 3+80.00**

POINT DISCHARGE LOCATIONS

SECTION	LATITUDE (N)	LONGITUDE (W)
DDA 1	37°45'7.067"	84°00'0.262"
DDA 3	37°45'13.367"	84°00'3.348"

DISTURBED DRAINAGE AREAS

SECTION	AREA (SQ. FT.)	PERCENT DISTURBED
DDA 1	0.939	3.80
DDA 2	1.533	5.93
DDA 3	1.685	6.66



SCALE: 1"=50'

**KY 89 & DRY RIDGE ROAD
EROSION CONTROL
STA. 0+00 TO STA. 13+00**

SPECIAL NOTE FOR EROSION CONTROL

I. DESCRIPTION

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Erosion Control

Page 2 of 4

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Erosion Control
Page 4 of 4

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EXHIBIT #2

PCN #

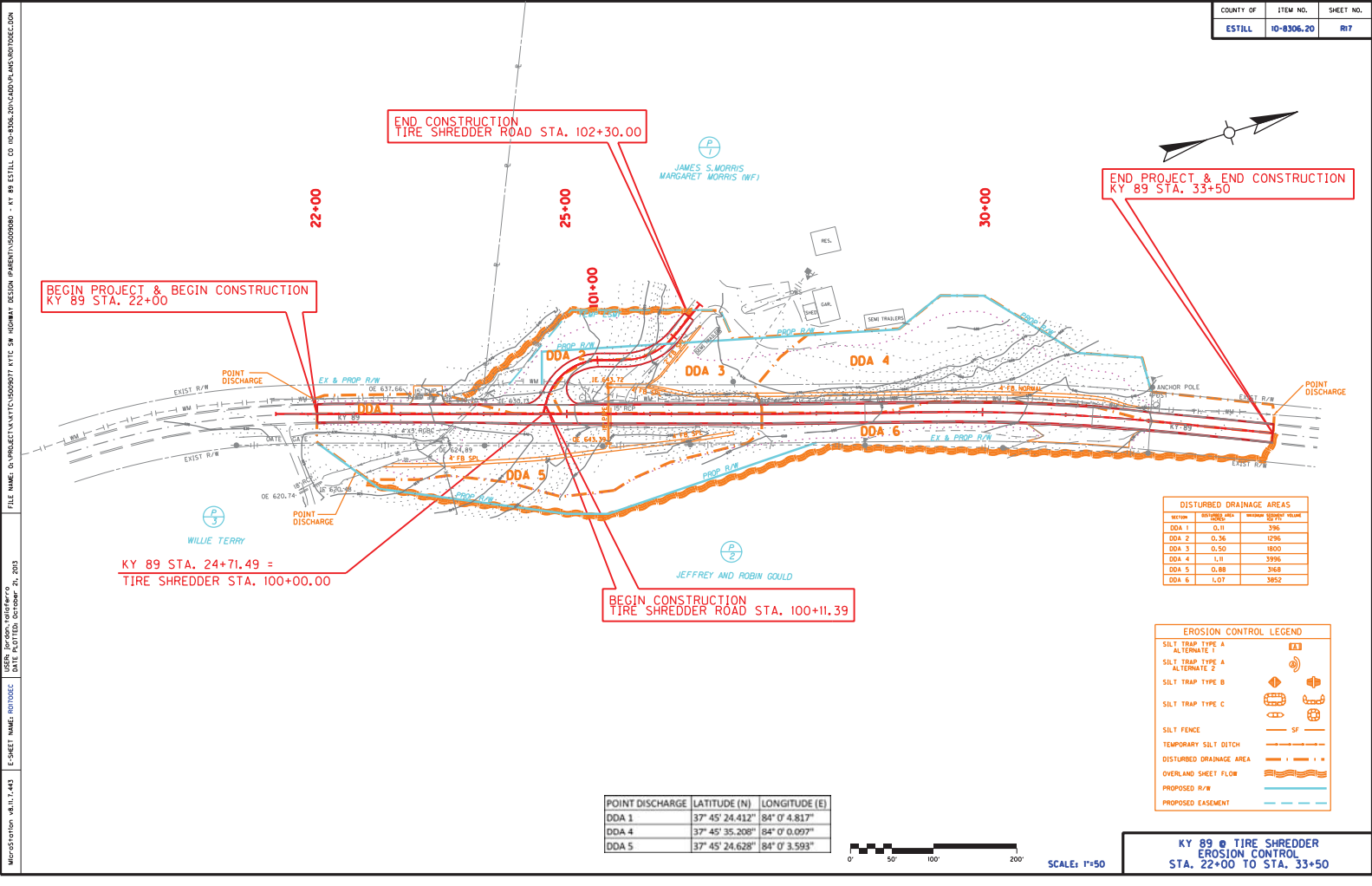
SYP Item #10-8306.20 Spot Improvement on KY 89 Estill Co.

**KPDES NOI for Stormwater Discharges Associated with
Construction Activity Under the KPDES General Permit**

Transaction ID:

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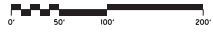
COUNTY OF	ITEM NO.	SHEET NO.
ESTILL	10-0306.20	RI7



SECTION	DDA AREA	WADSWORTH VOLUME
DDA 1	0.11	396
DDA 2	0.36	1295
DDA 3	0.50	1800
DDA 4	1.11	3995
DDA 5	0.88	3168
DDA 6	1.07	3852

SILT TRAP TYPE A ALTERNATE 1	
SILT TRAP TYPE A ALTERNATE 2	
SILT TRAP TYPE B	
SILT TRAP TYPE C	
SILT FENCE	
TEMPORARY SILT DITCH	
DISTURBED DRAINAGE AREA	
OVERLAND SHEET FLOW	
PROPOSED R/W	
PROPOSED EASEMENT	

POINT DISCHARGE	LATITUDE (N)	LONGITUDE (E)
DDA 1	37° 45' 24.412"	84° 0' 4.817"
DDA 4	37° 45' 35.208"	84° 0' 0.097"
DDA 5	37° 45' 24.628"	84° 0' 3.593"



SCALE: 1"=50'

KY 89 @ TIRE SHREDDER
EROSION CONTROL
STA. 22+00 TO STA. 33+50

FILE NAME: G:\PROJECT\121033GR13D032\FD04\121033GR13D032-FD04.dwg
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 MicroStation v8.i11.443

KENTUCKY TRANSPORTATION CABINET COMMUNICATION ALL PROMISES (CAP)

Item Number <i>10-8306.10</i>	County ESTILL	Route KY 89	Project Manager kytc\darren.back
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CAP #	Date of Promise	Requestor	ocation of Promise:	CAP Description
1	8/15/13	Charles and Bonnie Reed (P1)	Sta. 5+50 Mainline	Leave trees at Sta. 5+50. Don't touch bushes at the edge of existing right of way. Replace barb wire fence.
2	8/15/13	Kenneth and Elizabeth Elliot	KY 89 and Dry Ridge Rd.	Only clear trees to disturb limits around Parcel 2. Leave as much vegetation as possible around their yard and house.

KENTUCKY TRANSPORTATION CABINET COMMUNICATION ALL PROMISES (CAP)

Item Number 10-8306.20	County ESTILL	Route KY 89	Project Manager kytc\darren.back
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CAP #	Date of Promise	Requestor	ocation of Promise:	CAP Description
1	7/17/13	Jeffrey and Robin Gould (Parcel 2)	Sta. 30+55 - 30+65	On 7-17-13, Jeffrey and Robin Gould (Parcel 2) requested that the existing railroad tie retaining wall be completely removed or removed down to below finished grade from approximate station 30+55 to 30+65. The Contractor will remove this portion of the wall and removal is paid for under the bid item ?Clearing and Grubbing?. The removal of this section is necessary to prevent tires from becoming punctured as they turn in their entrance. Grading and/or refill of material, if necessary, in this area is paid under the bid item ?Roadway Excavation? and no additional payment will be made for removal of said wall.

MATERIAL SUMMARY

CONTRACT ID: 131232

121033GR13D032 - FD04

DE03300891332

WINCHESTER ROAD (KY 89) & DRY RIDGE ROAD INTERSECTION SPOT IMPROVEMENT ON KY 89: CORRECT SIGHT DISTANCE PROBLEM AT THE KY 89 / DRY RIDGE ROAD INTERSECTION. GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF .19 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0010	00003	CRUSHED STONE BASE	1,532.00	TON
0020	00100	ASPHALT SEAL AGGREGATE	17.10	TON
0030	00103	ASPHALT SEAL COAT	2.00	TON
0040	00190	LEVELING & WEDGING PG64-22	575.00	TON
0050	00212	CL2 ASPH BASE 1.00D PG64-22	551.00	TON
0060	00301	CL2 ASPH SURF 0.38D PG64-22	743.00	TON
0070	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	7.00	EACH
0080	02014	BARRICADE-TYPE III	4.00	EACH
0090	02091	REMOVE PAVEMENT	167.00	SQYD
0100	02200	ROADWAY EXCAVATION	56,827.00	CUYD
0110	02242	WATER - (FOR DUST CONTROL)	165.00	MGAL
0120	02351	GUARDRAIL-STEEL W BEAM-S FACE	275.00	LF
0130	02360	GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH
0140	02367	GUARDRAIL END TREATMENT TYPE 1	1.00	EACH
0150	02381	REMOVE GUARDRAIL	265.00	LF
0160	02429	RIGHT-OF-WAY MONUMENT TYPE 1	13.00	EACH
0170	02432	WITNESS POST	13.00	EACH
0180	02488	CHANNEL LINING CLASS IV	1,686.00	CUYD
0190	02545	CLEARING AND GRUBBING - (APPROXIMATELY 3.0 ACRES, DRY RIDGE ROAD)	1.00	LS
0200	02562	TEMPORARY SIGNS	225.00	SQFT
0210	02585	EDGE KEY	60.00	LF
0220	02599	FABRIC-GEOTEXTILE TYPE IV	4,019.00	SQYD
0230	02650	MAINTAIN & CONTROL TRAFFIC - (DRY RIDGE ROAD)	1.00	LS
0240	02671	PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH
0250	02726	STAKING - (DRY RIDGE ROAD)	1.00	LS
0260	05950	EROSION CONTROL BLANKET	8,155.00	SQYD
0270	05985	SEEDING AND PROTECTION	8,925.00	SQYD
0280	05992	AGRICULTURAL LIMESTONE	35.00	TON
0290	05997	TOPSOIL FURNISHED AND PLACED	1,070.00	CUYD
0300	06510	PAVE STRIPING-TEMP PAINT-4 IN	2,025.00	LF
0310	06514	PAVE STRIPING-PERM PAINT-4 IN	9,507.00	LF
0320	06568	PAVE MARKING-THERMO STOP BAR-24IN	32.00	LF
0330	06574	PAVE MARKING-THERMO CURV ARROW	2.00	EACH
0340	06589	PAVEMENT MARKER TYPE V-MW	4.00	EACH
0350	20315ED	CLAY SOIL CAP	13,348.00	CUYD
0360	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL - (DRY RIDGE ROAD)	1.00	LS
0370	00440	ENTRANCE PIPE-15 IN	28.00	LF
0380	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	38.00	SQYD
0390	06407	SBM ALUM SHEET SIGNS .125 IN	35.00	SQFT
0400	06410	STEEL POST TYPE 1	84.00	LF
0410	21373ND	REMOVE SIGN	5.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0420	24631EC	BARCODE SIGN INVENTORY	10.00	EACH
0430	03385	PVC PIPE-6 IN - (SDR17, CL. 250, FURNISH & INSTALL)	400.00	LF
0440	03434	REMOVE FIRE HYDRANT - (ADANDON, REMOVE & RETURN TO OWNER)	1.00	EACH
0450	03439	FLUSH HYDRANT - (FURNISH & INSTALL)	1.00	EACH
0460	03443	CUT CAP & BLOCK - (EXISTING SERVICE LINE, FURNISH & INSTALL)	1.00	EACH
0470	03526	GATE VALVE-6 IN - (RESILIENT SEAT, BOX, CONCRETE COLLAR, FURNISH & INSTALL)	2.00	EACH
0480	21269ND	REMOVE-RELOCATE AND RECONNECT SERVICE - (RECONNECT TO EXISTING SERVICE LINE/METER, COMPLETE)	1.00	EACH
0490	21333ED	ASPHALT PAVING REPLACEMENT - (TRENCH WIDTH, FURNISH & INSTALL)	100.00	LF
0500	23300ED	CRUSHED STONE - (ON SURFACE, FURNISH & INSTALL)	30.00	TON
0510	23596EC	TAPPING SLEEVE AND VALVE-6 IN - (6' X6' DUCTILE IRON MECHANICAL JOINT, BOX, CONC COLLAR, FURNISH & INSTALL)	1.00	EACH
0520	23663EC	AIR RELEASE VALVE-INSTALL - (FURNISH & INSTALL)	1.00	EACH
0530	23705EC	CUT-CAP AND BLOCK-6 IN - (EXISITING 6' LINE, COMPLETE)	1.00	EACH
0540	23714EC	FIBERGLASS LINE MARKER-FLAT - (FURNISH & INSTALL)	4.00	EACH
0550	24483ED	METER AND BOX - (5/8" X 3/4" METER SETTING, COMPLETE)	1.00	EACH
0560	24484ED	PE SERVICE TUBING - (3/4" SERVICE LINE W/ COPPER PIPE, FURNISH & INSTALLL)	130.00	LF
0570	01067	STEEL ENCASEMENT PIPE-10 IN - (10" X 0.25" PIPE, SPACERS, END SEALS, COMPLETE W? 10' BORE)	40.00	LF
0580	03383	PVC PIPE-4 IN - (SDR17, CL. 250, FURNISH & INSTALL0	800.00	LF
0590	03434	REMOVE FIRE HYDRANT - (ABANDON, REMOVE & RETURN TO OWNER)	1.00	EACH
0600	03439	FLUSH HYDRANT - (FURNISH & INSTALL)	1.00	EACH
0610	03443	CUT CAP & BLOCK - (EXISTING SERVICE UNDER ROAD)	1.00	EACH
0620	21211ND	CUT & CAP-4 IN - (EXISITING LINE, COMPLETE)	1.00	EACH
0630	21269ND	REMOVE-RELOCATE AND RECONNECT SERVICE - (EXISITING SERVICE/METER, COMPLETE)	1.00	EACH
0640	22866NN	WATER METER - (TEST METER ASSEMBLY)	1.00	EACH
0650	23300ED	CRUSHED STONE - (ON TRENCHED SURFACE, FURNISH & INSTALL)	10.00	TON
0660	23597EC	TAPPING SLEEVE AND VALVE-4 IN - (4" X 4" DUCTILE IRON MECHANICAL JOINT, CONC COLLAR, FURNISH & INSTALL)	1.00	EACH
0670	23714EC	FIBERGLASS LINE MARKER-FLAT - (FURNISH & INSTALL)	9.00	EACH
0680	24483ED	METER AND BOX - (5/8" X 3/4" METER SETTING, COMPLETE)	1.00	EACH
0690	24484ED	PE SERVICE TUBING - (1/4" X 3/4" CORP STOP & SADDLE, FURNISH & INSTALL)	370.00	LF
0700	02569	DEMOBILIZATION - (DRY RIDGE ROAD)	1.00	LS

MATERIAL SUMMARY

WINCHESTER ROAD (KY 89) AT TIRE SHREDDER ROAD SPOT IMPROVEMENT ON KY 89: SIGHT DISTANCE PROBLEM ON KY 89 AT A COMMERCIAL ENTRANCE 0.495 MILE SOUTH OF JCT KY 794. GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF .26 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0010	00003	CRUSHED STONE BASE	1,582.00	TON
0020	00100	ASPHALT SEAL AGGREGATE	17.20	TON
0030	00103	ASPHALT SEAL COAT	2.10	TON
0040	00190	LEVELING & WEDGING PG64-22	127.00	TON
0050	00212	CL2 ASPH BASE 1.00D PG64-22	993.00	TON
0060	00301	CL2 ASPH SURF 0.38D PG64-22	291.00	TON
0070	02003	RELOCATE TEMP CONC BARRIER	960.00	LF
0080	02014	BARRICADE-TYPE III	2.00	EACH
0090	02200	ROADWAY EXCAVATION	19,926.00	CUYD
0100	02242	WATER - (FOR DUST CONTROL)	161.00	MGAL
0110	02429	RIGHT-OF-WAY MONUMENT TYPE 1	13.00	EACH
0120	02432	WITNESS POST	13.00	EACH
0130	02488	CHANNEL LINING CLASS IV	541.00	CUYD
0140	02545	CLEARING AND GRUBBING - (APPROXIMATELY 1.9 ACRES, COMMERCIAL ENTRANCE)	1.00	LS
0150	02562	TEMPORARY SIGNS	160.00	SQFT
0160	02585	EDGE KEY	48.00	LF
0170	02599	FABRIC-GEOTEXTILE TYPE IV	6,365.00	SQYD
0180	02650	MAINTAIN & CONTROL TRAFFIC - (COMMERCIAL ENTRANCE)	1.00	LS
0190	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0200	02726	STAKING - (COMMERCIAL ENTRANCE)	1.00	LS
0210	02900	INSTALL TEMP CRASH CUSHION	2.00	EACH
0220	03171	CONCRETE BARRIER WALL TYPE 9T	960.00	LF
0230	04933	TEMP SIGNAL 2 PHASE	2.00	EACH
0240	05950	EROSION CONTROL BLANKET	1,650.00	SQYD
0250	05985	SEEDING AND PROTECTION	6,000.00	SQYD
0260	05992	AGRICULTURAL LIMESTONE	11.00	TON
0270	05997	TOPSOIL FURNISHED AND PLACED	684.00	CUYD
0280	06510	PAVE STRIPING-TEMP PAINT-4 IN	2,400.00	LF
0290	06514	PAVE STRIPING-PERM PAINT-4 IN	4,600.00	LF
0300	08901	CRASH CUSHION TY VI CLASS BT TL2	2.00	EACH
0310	20205EC	PAVE MARK STOP BAR-24 IN PAINT	22.00	LF
0320	20315ED	CLAY SOIL CAP	3,648.00	CUYD
0330	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL - (COMMERCIAL ENTRANCE)	1.00	LS
0340	00462	CULVERT PIPE-18 IN	66.00	LF
0350	01204	PIPE CULVERT HEADWALL-18 IN	2.00	EACH
0360	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	97.00	SQYD
0370	23131ER701	PIPELINE VIDEO INSPECTION	66.00	LF
0380	06407	SBM ALUM SHEET SIGNS .125 IN	29.00	SQFT
0390	06410	STEEL POST TYPE 1	36.00	LF
0400	21373ND	REMOVE SIGN	3.00	EACH
0410	24631EC	BARCODE SIGN INVENTORY	4.00	EACH
0420	03383	PVC PIPE-4 IN - (SDR17, CL. 250, UNCLASS. EXCAVATION, FURNISH & INSTALL)	700.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0430	03383	PVC PIPE-4 IN - (4" RESTRAINED DUCTILE IRON JNT, UNCLASS. EXCAVATION)	600.00	LF
0440	03439	FLUSH HYDRANT - (ASSEMBLY, FURNISH & INSTALL)	1.00	EACH
0450	21211ND	CUT & CAP-4 IN - (EXISTING 4" LINE, FURNISH & INSTALL)	2.00	EACH
0460	21269ND	REMOVE-RELOCATE AND RECONNECT SERVICE - (RECONNECT TO EXISTING LINES)	2.00	EACH
0470	22866NN	WATER METER - (TEST METER ASSEMBLY)	1.00	EACH
0480	23300ED	CRUSHED STONE - (ON SURFACE, FURNISH & INSTALL)	30.00	TON
0490	23597EC	TAPPING SLEEVE AND VALVE-4 IN - (4"X4" DUCTILE IRON MECH. JNT, BOX, CONC COLLAR, FURN & INSTALL)	2.00	EACH
0500	23663EC	AIR RELEASE VALVE-INSTALL - (AUTO AIR ASSEMBLY, FURNISH & INSTALL)	1.00	EACH
0510	23714EC	FIBERGLASS LINE MARKER-FLAT - (FURNISH & INSTALL)	15.00	EACH
0520	24483ED	METER AND BOX - (5/8" X 3/4" SETTING COMPLETE, FURNISH & INSTALL)	2.00	EACH
0530	24484ED	PE SERVICE TUBING - (3/4" SERVICE LINE, FURNISH & INSTALL)	80.00	LF
0540	02569	DEMOBILIZATION - (COMMERCIAL ENTRANCE)	1.00	LS

PART II
SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2012* and *Standard Drawings, Edition of 2012 with the 2012 Revision*.

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Subsection:	108.03 Preconstruction Conference.
Revision:	Replace 8) Staking with the following: 8) Staking (designated by a Professional Engineer or Land Surveyor licensed in the Commonwealth of Kentucky.
Subsection:	109.07.02 Fuel.
Revision:	Revise item Crushed Aggregate Used for Embankment Stabilization to the following: Crushed Aggregate Used for Stabilization of Unsuitable Materials Used for Embankment Stabilization
Subsection:	110.02 Demobilization.
Revision:	Replace the first part of the first sentence of the second paragraph with the following: Perform all work and operations necessary to accomplish final clean-up as specified in the first paragraph of Subsection 105.12;
Subsection:	112.03.12 Project Traffic Coordinator (PTC).
Revision:	Replace the last paragraph of this subsection with the following: Ensure the designated PTC has sufficient skill and experience to properly perform the task assigned and has successfully completed the qualification courses.
Subsection:	112.04.18 Diversions (By-Pass Detours).
Revision:	Insert the following sentence after the 2nd sentence of this subsection. The Department will not measure temporary drainage structures for payment when the contract documents provide the required drainage opening that must be maintained with the diversion. The temporary drainage structures shall be incidental to the construction of the diversion. If the contract documents fail to provide the required drainage opening needed for the diversion, the cost of the temporary drainage structure will be handled as extra work in accordance with section 109.04.
Subsection:	201.03.01 Contractor Staking.
Revision:	Replace the first paragraph with the following: Perform all necessary surveying under the general supervision of a Professional Engineer or Land Surveyor licensed in the Commonwealth of Kentucky.
Subsection:	201.04.01 Contractor Staking.
Revision:	Replace the last sentence of the paragraph with the following: Complete the general layout of the project under the supervision of a Professional Engineer or Land Surveyor licensed in the Commonwealth of Kentucky.
Subsection:	206.04.01 Embankment-in-Place.
Revision:	Replace the fourth paragraph with the following: The Department will not measure suitable excavation included in the original plans that is disposed of for payment and will consider it incidental to Embankment-in-Place.
Subsection:	208.02.01 Cement.
Revision:	Replace paragraph with the following: Select Type I or Type II cement conforming to Section 801. Use the same type cement throughout the work.

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Subsection:	208.03.06 Curing and Protection.
Revision:	Replace the fourth paragraph with the following: Do not allow traffic or equipment on the finished surface until the stabilized subgrade has cured for a total of 7-days with an ambient air temperature above 40 degrees Fahrenheit. A curing day consists of a continuous 24-hour period in which the ambient air temperature does not fall below 40 degrees Fahrenheit. Curing days will not be calculated consecutively, but must total seven (7) , 24-hour days with the ambient air temperature remaining at or above 40 degrees Fahrenheit before traffic or equipment will be allowed to traverse the stabilized subgrade. The Department may allow a shortened curing period when the Contractor requests. The Contractor shall give the Department at least 3 day notice of the request for a shortened curing period. The Department will require a minimum of 3 curing days after final compaction. The Contractor shall furnish cores to the treated depth of the roadbed at 500 feet intervals for each lane when a shortened curing time is requested. The Department will test cores using an unconfined compression test. Roadbed cores must achieve a minimum strength requirement of 80 psi.
Subsection:	208.03.06 Curing and Protection.
Revision:	Replace paragraph nine with the following: At no expense to the Department, repair any damage to the subgrade caused by freezing.
Subsection:	212.03.03 Permanent Seeding and Protection.
Part:	A) Seed Mixtures for Permanent Seeding.
Number:	2)
Revision:	Replace the paragraph with the following: 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. If adjacent to a golf course replace the crown vetch with Kentucky 31 Tall Fescue.
Subsection:	212.03.03 Permanent Seeding and Protection.
Part:	A) Seed Mixtures for Permanent Seeding.
Number:	3)
Revision:	Replace the paragraph with the following: 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. If adjacent to crop land or golf course, replace the Sericea Lespedeza with Kentucky 31 Fescue.
Subsection:	213.03.02 Progress Requirements.
Revision:	Replace the last sentence of the third paragraph with the following: Additionally, the Department will apply a penalty equal to the liquidated damages when all aspects of the work are not coordinated in an acceptable manner within 7 calendar days after written notification.
Subsection:	213.03.05 Temporary Control Measures.
Part:	E) Temporary Seeding and Protection.
Revision:	Delete the second sentence of the first paragraph.
Subsection:	304.02.01 Physical Properties.
Table:	Required Geogrid Properties
Revision:	Replace all references to Test Method "GRI-GG2-87" with ASTM D 7737.

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Subsection: Part: Revision:	402.03.02 Contractor Quality Control and Department Acceptance. B) Sampling. Replace the second sentence with the following: The Department will determine when to obtain the quality control samples using the random-number feature of the mix design submittal and approval spreadsheet. The Department will randomly determine when to obtain the verification samples required in Subsections 402.03.03 and 402.03.04 using the Asphalt Mixture Sample Random Tonnage Generator.
Subsection: Part: Number: Revision:	402.03.02 Contractor Quality Control and Department Acceptance. D) Testing Responsibilities. 3) VMA. Add the following paragraph below Number 3) VMA: Retain the AV/VMA specimens and one additional corresponding G_{mm} sample for 5 working days for mixture verification testing by the Department. For Specialty Mixtures, retain a mixture sample for 5 working days for mixture verification testing by the Department. When the Department's test results do not verify that the Contractor's quality control test results are within the acceptable tolerances according to Subsection 402.03.03, retain the samples and specimens from the affected subplot(s) for the duration of the project.
Subsection: Part: Number: Revision:	402.03.02 Contractor Quality Control and Department Acceptance. D) Testing Responsibilities. 4) Density. Replace the second sentence of the Option A paragraph with the following: Perform coring by the end of the following work day.
Subsection: Part: Number: Revision:	402.03.02 Contractor Quality Control and Department Acceptance. D) Testing Responsibilities. 5) Gradation. Delete the second paragraph.
Subsection: Part: Number: Revision:	402.03.02 Contractor Quality Control and Department Acceptance. H) Unsatisfactory Work. 1) Based on Lab Data. Replace the second paragraph with the following: When the Engineer determines that safety concerns or other considerations prohibit an immediate shutdown, continue work and the Department will make an evaluation of acceptability according to Subsection 402.03.05.

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Subsection: Revision:	402.03.03 Verification. Replace the first paragraph with the following: 402.03.03 Mixture Verification. For volumetric properties, the Department will perform a minimum of one verification test for AC, AV, and VMA according to the corresponding procedures as given in Subsection 402.03.02. The Department will randomly determine when to obtain the verification sample using the Asphalt Mixture Sample Random Tonnage Generator. For specialty mixtures, the Department will perform one AC and one gradation determination per lot according to the corresponding procedures as given in Subsection 402.03.02. However, Department personnel will not perform AC determinations according to KM 64-405. The Contractor will obtain a quality control sample at the same time the Department obtains the mixture verification sample and perform testing according to the procedures given in Subsection 402.03.02. If the Contractor's quality control sample is verified by the Department's test results within the tolerances provided below, the Contractor's sample will serve as the quality control sample for the affected subplot. The Department may perform the mixture verification test on the Contractor's equipment or on the Department's equipment.
Subsection: Part: Revision:	402.03.03 Verification. A) Evaluation of Subplot(s) Verified by Department. Replace the third sentence of the second paragraph with the following: When the paired <i>t</i> -test indicates that the Contractor's data and Department's data are possibly not from the same population, the Department will investigate the cause for the difference according to Subsection 402.03.05 and implement corrective measures as the Engineer deems appropriate.
Subsection: Part: Revision:	402.03.03 Verification. B) Evaluation of Subplots Not Verified by Department. Replace the third sentence of the first paragraph with the following: When differences between test results are not within the tolerances listed below, the Department will resolve the discrepancy according to Subsection 402.03.05.
Subsection: Part: Revision:	402.03.03 Verification. B) Evaluation of Subplots Not Verified by Department. Replace the third sentence of the second paragraph with the following: When the <i>F</i> -test or <i>t</i> -test indicates that the Contractor's data and Department's data are possibly not from the same population, the Department will investigate the cause for the difference according to Subsection 402.03.05 and implement corrective measures as the Engineer deems appropriate.
Subsection: Part: Revision:	402.03.03 Verification. C) Test Data Patterns. Replace the second sentence with the following: When patterns indicate substantial differences between the verified and non-verified subplots, the Department will perform further comparative testing according to subsection 402.03.05.

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Subsection:	402.03 CONSTRUCTION.
Revision:	Add the following subsection: 402.03.04 Testing Equipment and Technician Verification. For mixtures with a minimum quantity of 20,000 tons and for every 20,000 tons thereafter, the Department will obtain an additional verification sample at random using the Asphalt Mixture Sample Random Tonnage Generator in order to verify the integrity of the Contractor's and Department's laboratory testing equipment and technicians. The Department will obtain a mixture sample of at least 150 lb at the asphalt mixing plant according to KM 64-425 and split it according to AASHTO R 47. The Department will retain one split portion of the sample and provide the other portion to the Contractor. At a later time convenient to both parties, the Department and Contractor will simultaneously reheat the sample to the specified compaction temperature and test the mixture for AV and VMA using separate laboratory equipment according to the corresponding procedures given in Subsection 402.03.02. The Department will evaluate the differences in test results between the two laboratories. When the difference between the results for AV or VMA is not within ± 2.0 percent, the Department will investigate and resolve the discrepancy according to Subsection 402.03.05.
Subsection:	402.03.04 Dispute Resolution.
Revision:	Change the subsection number to 402.03.05.
Subsection:	402.05 PAYMENT.
Part:	Lot Pay Adjustment Schedule Compaction Option A Base and Binder Mixtures
Table:	AC
Revision:	Replace the Deviation from JMF(%) that corresponds to a Pay Value of 0.95 to ± 0.6 .
Subsection:	403.02.10 Material Transfer Vehicle (MTV).
Revision:	Replace the first sentence with the following: In addition to the equipment specified above, provide a MTV with the following minimum characteristics:
Subsection:	412.02.09 Material Transfer Vehicle (MTV).
Revision:	Replace the paragraph with the following: Provide and utilize a MTV with the minimum characteristics outlined in section 403.02.10.
Subsection:	412.03.07 Placement and Compaction.
Revision:	Replace the first paragraph with the following: Use a MTV when placing SMA mixture in the driving lanes. The MTV is not required on ramps and/or shoulders unless specified in the contract. When the Engineer determines the use of the MTV is not practical for a portion of the project, the Engineer may waive its requirement for that portion of pavement by a letter documenting the waiver.
Subsection:	412.04 MEASUREMENT.
Revision:	Add the following subsection: 412.04.03. Material Transfer Vehicle (MTV). The Department will not measure the MTV for payment and will consider its use incidental to the asphalt mixture.

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Subsection:	501.03.19 Surface Tolerances and Testing Surface.
Part:	B) Ride Quality.
Revision:	Add the following to the end of the first paragraph: The Department will specify if the ride quality requirements are Category A or Category B when ride quality is specified in the Contract. Category B ride quality requirements shall apply when the Department fails to classify which ride quality requirement will apply to the Contract.
Subsection:	603.03.06 Cofferdams.
Revision:	Replace the seventh sentence of paragraph one with the following: Submit drawings that are stamped by a Professional Engineer licensed in the Commonwealth of Kentucky.
Subsection:	605.03.04 Tack Welding.
Revision:	Insert the subsection and the following: 605.03.04 Tack Welding. The Department does not allow tack welding.
Subsection:	606.03.17 Special Requirements for Latex Concrete Overlays.
Part:	A) Existing Bridges and New Structures.
Number:	1) Prewetting and Grout-Bond Coat.
Revision:	Add the following sentence to the last paragraph: Do not apply a grout-bond coat on bridge decks prepared by hydrodemolition.
Subsection:	609.03 Construction.
Revision:	Replace Subsection 609.03.01 with the following: 609.03.01 A) Swinging the Spans. Before placing concrete slabs on steel spans or precast concrete release the temporary erection supports under the bridge and swing the span free on its supports. 609.03.01 B) Lift Loops. Cut all lift loops flush with the top of the precast beam once the beam is placed in the final location and prior to placing steel reinforcement. At locations where lift loops are cut, paint the top of the beam with galvanized or epoxy paint.
Subsection:	611.03.02 Precast Unit Construction.
Revision:	Replace the first sentence of the subsection with the following: Construct units according to ASTM C1577, replacing Table 1 (Design Requirements for Precast Concrete Box Sections Under Earth, Dead and HL-93 Live Load Conditions) with KY Table 1 (Precast Culvert KYHL-93 Design Table) , and Section 605 with the following exceptions and additions:
Subsection:	613.03.01 Design.
Number:	2)
Revision:	Replace "AASHTO Standard Specifications for Highway Bridges" with "AASHTO LRFD Bridge Design Specifications"
Subsection:	615.06.02
Revision:	Add the following sentence to the end of the subsection. The ends of units shall be normal to walls and centerline except exposed edges shall be beveled ¾ inch.
Subsection:	615.06.03 Placement of Reinforcement in Precast 3-Sided Units.
Revision:	Replace the reference of 6.6 in the section to 615.06.06.
Subsection:	615.06.04 Placement of Reinforcement for Precast Endwalls.
Revision:	Replace the reference of 6.7 in the section to 615.06.07.

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Subsection:	615.06.06 Laps, Welds, and Spacing for Precast 3-Sided Units.
Revision:	Replace the subsection with the following: Tension splices in the circumferential reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. The overlap of welded wire fabric shall be measured between the outer most longitudinal wires of each fabric sheet. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. For splices other than tension splices, the overlap shall be a minimum of 12" for welded wire fabric or deformed billet-steel bars. The spacing center to center of the circumferential wires in a wire fabric sheet shall be no less than 2 inches and no more than 4 inches. The spacing center to center of the longitudinal wires shall not be more than 8 inches. The spacing center to center of the longitudinal distribution steel for either line of reinforcing in the top slab shall be not more than 16 inches.
Subsection:	615.06.07 Laps, Welds, and Spacing for Precast Endwalls.
Revision:	Replace the subsection with the following: Splices in the reinforcement shall be made by lapping. Laps may not be tack welded together for assembly purposes. For smooth welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.2 and AASHTO 2012 Bridge Design Guide Section 5.11.6.3. For deformed welded wire fabric, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.5.1 and AASHTO 2012 Bridge Design Guide Section 5.11.6.2. For deformed billet-steel bars, the overlap shall meet the requirements of AASHTO 2012 Bridge Design Guide Section 5.11.2.1. The spacing center-to-center of the wire fabric sheet shall not be less than 2 inches or more than 8 inches.
Subsection:	615.08.01 Type of Test Specimen.
Revision:	Replace the subsection with the following: Start-up slump, air content, unit weight, and temperature tests will be performed each day on the first batch of concrete. Acceptable start-up results are required for production of the first unit. After the first unit has been established, random acceptance testing is performed daily for each 50 yd ³ (or fraction thereof). In addition to the slump, air content, unit weight, and temperature tests, a minimum of one set of cylinders shall be required each time plastic property testing is performed.
Subsection:	615.08.02 Compression Testing.
Revision:	Delete the second sentence.
Subsection:	615.08.04 Acceptability of Core Tests.
Revision:	Delete the entire subsection.
Subsection:	615.12 Inspection.
Revision:	Add the following sentences to the end of the subsection: Units will arrive at jobsite with the "Kentucky Oval" stamped on the unit which is an indication of acceptable inspection at the production facility. Units shall be inspected upon arrival for any evidence of damage resulting from transport to the jobsite.

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Subsection:	716.02.02 Paint.
Revision:	Replace sentence with the following: Conform to Section 821.
Subsection:	716.03 CONSTRUCTION.
Revision:	Replace bullet 5) with the following: 5) AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 2013-6th Edition with current interims,
Subsection:	716.03.02 Lighting Standard Installation.
Revision:	Replace the second sentence with the following: Regardless of the station and offset noted, locate all poles/bases behind the guardrail a minimum of four feet from the front face of the guardrail to the front face of the pole base.
Subsection:	716.03.02 Lighting Standard Installation.
Part:	A) Conventional Installation.
Revision:	Replace the third sentence with the following: Orient the transformer base so the door is positioned on the side away from on-coming traffic.
Subsection:	716.03.02 Lighting Standard Installation.
Part:	A) Conventional Installation.
Number:	1) Breakaway Installation and Requirements.
Revision:	Replace the first sentence with the following: For breakaway supports, conform to Section 12 of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 2013-6th Edition with current interims.
Subsection:	716.03.02 Lighting Standard Installation.
Part:	B) High Mast Installation
Revision:	Replace the first sentence with the following: Install each high mast pole as noted on plans.
Subsection:	716.03.02 Lighting Standard Installation.
Part:	B) High Mast Installation
Number:	2) Concrete Base Installation
Revision:	Modification of Chart and succeeding paragraphs within this section:

Drilled Shaft Depth Data							
Level Ground		3:1 Ground Slope		2:1 Ground Slope		1.5:1 Ground Slope (2)	
Soil	Rock	Soil	Rock	Soil	Rock	Soil	Rock
17 ft	7 ft	19 ft	7 ft	20 ft	7 ft	(1)	7 ft
Steel Requirements							
Vertical Bars				Ties or Spiral			
Size	Total	Size	Spacing or Pitch				
#10	16	#4	12 inch				

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	<p>(1): Shaft length is 22' for cohesive soil only. For cohesionless soil, contact geotechnical branch for design.</p> <p>(2): Do not construct high mast drilled shafts on ground slopes steeper than 1.5:1 without the approval of the Division of Traffic.</p> <p>If rock is encountered during drilling operations and confirmed by the engineer to be of sound quality, the shaft is only required to be further advanced into the rock by the length of rock socket shown in the table. The total length of the shaft need not be longer than that of soil alone. Both longitudinal rebar length and number of ties or spiral length shall be adjusted accordingly.</p> <p>If a shorter depth is desired for the drilled shaft, the contractor shall provide, for the state's review and approval, a detailed column design with individual site specific soil and rock analysis performed and approved by a Professional Engineer licensed in the Commonwealth of Kentucky.</p> <p>Spiral reinforcement may be substituted for ties. If spiral reinforcement is used, one and one-half closed coils shall be provided at the ends of each spiral unit. Subsurface conditions consisting of very soft clay or very loose saturated sand could result in soil parameters weaker than those assumed. Engineer shall consult with the geotechnical branch if such conditions are encountered.</p> <p>The bottom of the drilled hole shall be firm and thoroughly cleaned so no loose or compressible materials are present at the time of the concrete placement. If the drilled hole contains standing water, the concrete shall be placed using a tremie to displace water. Continuous concrete flow will be required to insure full displacement of any water.</p> <p>The reinforcement and anchor bolts shall be adequately supported in the proper positions so no movement occurs during concrete placement. Welding of anchor bolts to the reinforcing cage is unacceptable, templates shall be used.</p> <p>Exposed portions of the foundation shall be formed to create a smooth finished surface. All forming shall be removed upon completion of foundation construction.</p>
<p>Subsection: Part: Revision:</p>	<p>716.03.03 Trenching. A) Trenching of Conduit for Highmast Ducted Cables. Add the following after the first sentence: If depths greater than 24 inches are necessary, obtain the Engineer's approval and maintain the required conduit depths coming into the junction boxes. No payment for additional junction boxes for greater depths will be allowed.</p>
<p>Subsection: Part: Revision:</p>	<p>716.03.03 Trenching. B) Trenching of Conduit for Non-Highmast Cables. Add the following after the second sentence: If depths greater than 24 inches are necessary for either situation listed previously, obtain the Engineer's approval and maintain the required conduit depths coming into the junction boxes. No payment for additional junction boxes for greater depths will be allowed.</p>
<p>Subsection: Revision:</p>	<p>716.03.10 Junction Boxes. Replace subsection title with the following: Electrical Junction Box.</p>

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Subsection:	716.04.07 Pole with Secondary Control Equipment.
Revision:	Replace the paragraph with the following: The Department will measure the quantity as each individual unit furnished and installed. The Department will not measure mounting the cabinet to the pole, backfilling, restoration, any necessary hardware to anchor pole, or electrical inspection fees, and will consider them incidental to this item of work. The Department will also not measure furnishing and installing electrical service conductors, specified conduits, meter base, transformer, service panel, fused cutout, fuses, lighting arrestors, photoelectrical control, circuit breaker, contactor, manual switch, ground rods, and ground wires and will consider them incidental to this item of work.
Subsection:	716.04.08 Lighting Control Equipment.
Revision:	Replace the paragraph with the following: The Department will measure the quantity as each individual unit furnished and installed. The Department will not measure constructing the concrete base, excavation, backfilling, restoration, any necessary anchors, or electrical inspection fees, and will consider them incidental to this item of work. The Department will also not measure furnishing and installing electrical service conductors, specified conduits, meter base, transformer, service panel, fused cutout, fuses, lighting arrestors, photoelectrical control, circuit breakers, contactor, manual switch, ground rods, and ground wires and will consider them incidental to this item of work.
Subsection:	716.04.09 Luminaire.
Revision:	Replace the first sentence with the following: The Department will measure the quantity as each individual unit furnished and installed.
Subsection:	716.04.10 Fused Connector Kits.
Revision:	Replace the first sentence with the following: The Department will measure the quantity as each individual unit furnished and installed.
Subsection:	716.04.13 Junction Box.
Revision:	Replace the subsection title with the following: Electrical Junction Box Type Various.
Subsection:	716.04.13 Junction Box.
Part:	A) Junction Electrical.
Revision:	Rename A) Junction Electrical to the following: A) Electrical Junction Box.
Subsection:	716.04.14 Trenching and Backfilling.
Revision:	Replace the second sentence with the following: The Department will not measure excavation, backfilling, underground utility warning tape (if required), the restoration of disturbed areas to original condition, and will consider them incidental to this item of work.
Subsection:	716.04.18 Remove Lighting.
Revision:	Replace the paragraph with the following: The Department will measure the quantity as a lump sum for the removal of lighting equipment. The Department will not measure the disposal of all equipment and materials off the project by the contractor. The Department also will not measure the transportation of the materials and will consider them incidental to this item of work.

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Subsection:	716.04.20 Bore and Jack Conduit.															
Revision:	Replace the paragraph with the following: The Department will measure the quantity in linear feet. This item shall include all work necessary for boring and installing conduit under an existing roadway. Construction methods shall be in accordance with Sections 706.03.02, paragraphs 1, 2, and 4.															
Subsection:	716.05 PAYMENT.															
Revision:	Replace items 04810-04811, 20391NS835 and, 20392NS835 under <u>Code</u> , <u>Pay Item</u> , and <u>Pay Unit</u> with the following:															
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20391NS835	Electrical Junction Box Type C	Each														
Subsection:	723.03 CONSTRUCTION.															
Revision:	Replace bullet 5) with the following: 5) AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 2013-6th Edition with current interims,															
Subsection:	723.02.02 Paint.															
Revision:	Replace sentence with the following: Conform to Section 821.															
Subsection:	723.03.02 Poles and Bases Installation.															
Revision:	Replace the first sentence with the following: Regardless of the station and offset noted, locate all poles/bases behind the guardrail a minimum of four feet from the front face of the guardrail to the front face of the pole base.															
Subsection:	723.03.02 Poles and Bases Installation.															
Part:	A) Steel Strain and Mastarm Poles Installation															
Revision:	Replace the second paragraph with the following: For concrete base installation, see Section 716.03.02, B), 2), Paragraphs 2-7. Drilled shaft depth shall be based on the soil conditions encountered during drilling and slope condition at the site. Refer to the design chart below:															
Subsection:	723.03.02 Poles and Bases Installation.															
Part:	B) Pedestal or Pedestal Post Installation.															
Revision:	Replace the fourth sentence of the paragraph with the following: For breakaway supports, conform to Section 12 of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 2013-6th Edition with current interims.															
Subsection:	723.03.03 Trenching.															
Part:	A) Under Roadway.															
Revision:	Add the following after the second sentence: If depths greater than 24 inches are necessary, obtain the Engineer's approval and maintain ether required conduit depths coming into the junction boxes. No payment for additional junction boxes for greater depths will be allowed.															

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Subsection:	723.03.11 Wiring Installation.
Revision:	Add the following sentence between the fifth and sixth sentences: Provide an extra two feet of loop wire and lead-in past the installed conduit in poles, pedestals, and junction boxes.
Subsection:	723.03.12 Loop Installation.
Revision:	Replace the fifth sentence with the following: Provide an extra two feet of loop wire and lead-in past the installed conduit in poles, pedestals, and junction boxes.
Subsection:	723.04.02 Junction Box.
Revision:	Replace subsection title with the following: Electrical Junction Box Type.
Subsection:	723.04.03 Trenching and Backfilling.
Revision:	Replace the second sentence with the following: The Department will not measure excavation, backfilling, underground utility warning tape (if required), the restoration of disturbed areas to original condition, and will consider them incidental to this item of work.
Subsection:	723.04.10 Signal Pedestal.
Revision:	Replace the second sentence with the following: The Department will not measure excavation, concrete, reinforcing steel, specified conduits, fittings, ground rod, ground wire, backfilling, restoring disturbed areas, or other necessary hardware and will consider them incidental to this item of work.
Subsection:	723.04.15 Loop Saw Slot and Fill.
Revision:	Replace the second sentence with the following: The Department will not measure sawing, cleaning and filling induction loop saw slot, loop sealant, backer rod, and grout and will consider them incidental to this item of work.
Subsection:	723.04.16 Pedestrian Detector.
Revision:	Replace the paragraph with the following: The Department will measure the quantity as each individual unit furnished, installed and connected to pole/pedestal. The Department will not measure installing R10-3e (with arrow) sign, furnishing and installing mounting hardware for sign and will consider them incidental to this item of work.
Subsection:	723.04.18 Signal Controller- Type 170.
Revision:	Replace the second sentence with the following: The Department will not measure constructing the concrete base or mounting the cabinet to the pole, connecting the signal and detectors, excavation, backfilling, restoration, any necessary pole mounting hardware, electric service, or electrical inspection fees and will consider them incidental to this item of work. The Department will also not measure furnishing and connecting the induction of loop amplifiers, pedestrian isolators, load switches, model 400 modem card; furnishing and installing electrical service conductors, specified conduits, anchors, meter base, fused cutout, fuses, ground rods, ground wires and will consider them incidental to this item of work.

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Subsection:	723.04.20 Install Signal Controller - Type 170.
Revision:	Replace the paragraph with the following: The Department will measure the quantity as each individual unit installed. The Department will not measure constructing the concrete base or mounting the cabinet to the pole, connecting the signal and detectors, and excavation, backfilling, restoration, any necessary pole mounting hardware, electric service, or electrical inspection fees and will consider them incidental to this item of work. The Department will also not measure connecting the induction loop amplifiers, pedestrian, isolators, load switches, model 400 modem card; furnishing and installing electrical service conductors, specified conduits, anchors, meter base, fused cutout, fuses, ground rods, ground wires and will consider them incidental to this item of work.
Subsection:	723.04.22 Remove Signal Equipment.
Revision:	Replace the paragraph with the following: The Department will measure the quantity as a lump sum removal of signal equipment. The Department will not measure the return of control equipment and signal heads to the Department of Highways as directed by the District Traffic Engineer. The Department also will not measure the transportation of materials of the disposal of all other equipment and materials off the project by the contractor and will consider them incidental to this item of work.
Subsection:	723.04.28 Install Pedestrian Detector Audible.
Revision:	Replace the second sentence with the following: The Department will not measure installing sign R10-3e (with arrow) and will consider it incidental to this item of work.
Subsection:	723.04.29 Audible Pedestrian Detector.
Revision:	Replace the second sentence with the following: The Department will not measure furnishing and installing the sign R10-3e (with arrow) and will consider it incidental to this item of work.
Subsection:	723.04.30 Bore and Jack Conduit.
Revision:	Replace the paragraph with the following: The Department will measure the quantity in linear feet. This item shall include all work necessary for boring and installing conduit under an existing roadway. Construction methods shall be in accordance with Sections 706.03.02, paragraphs 1, 2, and 4.
Subsection:	723.04.31 Install Pedestrian Detector.
Revision:	Replace the paragraph with the following: The Department will measure the quantity as each individual unit installed and connected to pole/pedestal. The Department will not measure installing sign R 10-3e (with arrow) and will consider it incidental to this item of work.
Subsection:	723.04.32 Install Mast Arm Pole.
Revision:	Replace the second sentence with the following: The Department will not measure arms, signal mounting brackets, anchor bolts, or any other necessary hardware and will consider them incidental to this item of work.
Subsection:	723.04.33 Pedestal Post.
Revision:	Replace the second sentence with the following: The Department will not measure excavation, concrete, reinforcing steel, anchor bolts, conduit, fittings, ground rod, ground wire, backfilling, restoration, or any other necessary hardware and will consider them incidental to this item of work.

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Subsection:	723.04.36 Traffic Signal Pole Base.															
Revision:	Replace the second sentence with the following: The Department will not measure excavation, reinforcing steel, anchor bolts, specified conduits, ground rods, ground wires, backfilling, or restoration and will consider them incidental to this item of work.															
Subsection:	723.04.37 Install Signal Pedestal.															
Revision:	Replace the second sentence with the following: The Department will not measure excavation, concrete, reinforcing steel, anchor bolts, specified conduits, fittings, ground rod, ground wire, backfilling, restoration, or any other necessary hardware and will consider them incidental to this item of work.															
Subsection:	723.04.38 Install Pedestal Post.															
Revision:	Replace the second sentence with the following: The Department will not measure excavation, concrete, reinforcing steel, anchor bolts, specified conduits, fittings, ground rod, ground wire, backfilling, restoration, or any other necessary hardware and will consider them incidental to this item of work.															
Subsection:	723.05 PAYMENT.															
Revision:	Replace items 04810-04811, 20391NS835 and, 20392NS835 under <u>Code</u> , <u>Pay Item</u> , and <u>Pay Unit</u> with the following:															
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Subsection:	813.04 Gray Iron Castings.															
Revision:	Replace the reference to "AASHTO M105" with "ASTM A48".															
Subsection:	813.09.02 High Strength Steel Bolts, Nuts, and Washers.															
Number:	A) Bolts.															
Revision:	Delete first paragraph and "Hardness Number" Table. Replace with the following: A) Bolts. Conform to ASTM A325 (AASHTO M164) or ASTM A490 (AASHTO 253) as applicable.															
Subsection:	814.04.02 Timber Guardrail Posts.															
Revision:	Third paragraph, replace the reference to "AWPA C14" with "AWPA U1, Section B, Paragraph 4.1".															
Subsection:	814.04.02 Timber Guardrail Posts.															
Revision:	Replace the first sentence of the fourth paragraph with the following: Use any of the species of wood for round or square posts covered under AWPA U1.															
Subsection:	814.04.02 Timber Guardrail Posts.															
Revision:	Fourth paragraph, replace the reference to "AWPA C2" with "AWPA U1, Section B, Paragraph 4.1".															
Subsection:	814.04.02 Timber Guardrail Posts.															
Revision:	Delete the second sentence of the fourth paragraph.															
Subsection:	816.07.02 Wood Posts and Braces.															
Revision:	First paragraph, replace the reference to "AWPA C5" with "AWPA U1, Section B, Paragraph 4.1".															

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Subsection:	816.07.02 Wood Posts and Braces.
Revision:	Delete the second sentence of the first paragraph.
Subsection:	818.07 Preservative Treatment.
Revision:	First paragraph, replace all references to "AWPA C14" with "AWPA U1, Section A".
Subsection:	834.14 LIGHTING POLES.
Revision:	Replace the first sentence with the following: Lighting pole design shall be in accordance with loading and allowable stress requirements of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 2013-6th Edition with current interims.
Subsection:	834.14.03 High Mast Poles.
Revision:	<p>*Remove the second and fourth sentence from the first paragraph.</p> <p>*Replace the third paragraph with the following: Provide calculations and drawings that are stamped by a Professional Engineer licensed in the Commonwealth of Kentucky.</p> <p>*Replace paragraph six with the following: Provide a pole section that conforms to ASTM A 595 grade A with a minimum yield strength of 55 KSI or ASTM A 572 with a minimum yield strength of 55 KSI. Use tubes that are round or 16 sided with a four inch corner radius, have a constant linear taper of .144 in/ft and contain only one longitudinal seam weld. Circumferential welded tube butt splices and laminated tubes are not permitted. Provide pole sections that are telescopically slip fit assembled in the field to facilitate inspection of interior surface welds and the protective coating. The minimum length of the telescopic slip splices shall be 1.5 times the inside diameter of the exposed end of the female section. Use longitudinal seam welds as commended in Section 5.15 of the AASHTO 2013 Specifications. The thickness of the transverse base shall not be less than 2 inches. Plates shall be integrally welded to the tubes with a telescopic welded joint or a full penetration groove weld with backup bar.</p> <p>The handhole cover shall be removable from the handhole frame. One the frame side opposite the hinge, provide a mechanism on the handhole cover/frame to place the Department's standard padlock as specified in Section 834.25. The handhole frame shall have two stainless studs installed opposite the hinge to secure the handhole cover to the frame which includes providing stainless steel wing nuts and washers. The handhole cover shall be manufactured from 0.25 inch thick galvanized steel (ASTM A 153) and have a neoprene rubber gasket that is permanently secured to the handhole frame to insure weather-tight protection. The hinge shall be manufactured from 7-guage stainless steel to provide adjustability to insure weather-tight fit for the cover. The minimum clear distance between the transverse plate and the</p> <p>bottom opening of the handhole shall not be less than the diameter of the bottom tube of the pole but needs to be at least 15 inches. The handhole frame width shall be 0.4 times the diameter of the bottom tube.</p> <p>Provide products that are hot-dip galvanized to the requirements of either ASTM A123 (fabricated products) or ASTM A 153 (hardware items).</p>
Subsection:	834.16 ANCHOR BOLTS.
Revision:	Insert the following sentence at the beginning of the paragraph: The anchor bolt design shall follow the NCHRP Report 494 Section 2.4 and NCHRP 469 Appendix A Specifications.

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Subsection:	834.17.01 Conventional.
Revision:	Add the following sentence after the second sentence: Provide a waterproof sticker mounted on the bottom of the housing that is legible from the ground and indicates the wattage of the fixture by providing the fist to numbers of the wattage.
Subsection:	834.21.01 Waterproof Enclosures.
Revision:	*Add the following sentence in the second paragraph in the thirteenth sentence: Provide a cabinet door with a louvered air vent, Filter-retaining brackets and an easy clean metal filter. *Replace sentence sixteen with the following: Use a 120-volt fixture and utilize a compact fluorescent or L.E.D. bulb (equivalent to 60 watt minimum).
Subsection:	835.07 Traffic Poles.
Revision:	Replace the first sentence of the first paragraph with the following: Pole diameter and wall thickness shall be calculated in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 2013-6th Edition with current interims.
Subsection:	835.07 Traffic Poles.
Revision:	*Replace the first sentence of the fourth paragraph with the following: Ensure transverse plats have a thickness ≥ 2 inches. *Add the following sentence to the end of the fourth paragraph: The bottom pole diameter shall not be less than 16.25 inches.
Subsection:	835.07 Traffic Poles.
Revision:	Replace the second sentence of the fifth paragraph with the following: For anchor bolt design, pole forces shall be positioned in such a manner to maximize the force on any individual anchor bolt regardless of the actual anchor bolt orientation with the pole.
Subsection:	835.07 Traffic Poles.
Revision:	Replace the first and second sentence of the sixth paragraph with the following: The pole handhole shall be 25 inches by 6.5 inches. The handhole cover shall be removable from the handhole frame. On the frame side opposite the hinge, provide a mechanism on the handhole cover/frame to place the Department's standard padlock as specified in Section 834.25. The handhole frame shall have two stainless studs installed opposite the hinge to secure the handhole cover to the frame which includes providing stainless steel wing nuts and washers. The handhole cover shall be manufactured from 0.25 inch thick galvanized steel (ASTM 153) and have a neoprene rubber gasket that is permanently secured to the handhole frame to insure weather-tight protection. The hinge shall be manufactured from 7 gauge stainless steel to provide adjustability to insure a weather-tight fit for the cover. The minimum clear distance between the transverse plate and the bottom opening of the handhole shall not be less than the diameter of the bottom tube but needs to be at least 12 inches.
Subsection:	835.07 Traffic Poles.
Revision:	*Replace the first sentence of the last paragraph with the following: Provide calculations and drawings that are stamped by a Professional Engineer licensed in the Commonwealth of Kentucky. *Replace the third sentence of the last paragraph with the following: All tables referenced in 835.07 are found in the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals, 2013-6th Edition with current interims.

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Subsection:	835.07.01 Steel Strain Poles.
Revision:	Replace the second sentence of the second paragraph with the following: The detailed analysis shall be certified by a Professional Engineer licensed in the Commonwealth of Kentucky.
Subsection:	835.07.01 Steel Strain Poles.
Revision:	Replace number 7. after the second paragraph with the following: 7. Fatigue calculations should be shown for all fatigue related connections. Provide the corresponding detail, stress category and example from table 11.9.3.1-1.
Subsection:	835.07.02 Mast Arm Poles.
Revision:	Replace the second sentence of the fourth paragraph with the following: The detailed analysis shall be certified by a Professional Engineer licensed in the Commonwealth of Kentucky.
Subsection:	835.07.02 Mast Arm Poles.
Revision:	Replace number 7) after the fourth paragraph with the following: 7) Fatigue calculations should be shown for all fatigue related connections. Provide the corresponding detail, stress category and example from table 11.9.3.1-1.
Subsection:	835.07.03 ANCHORS.
Revision:	Add the following to the end of the paragraph: There shall be two steel templates (one can be used for the headed part of the anchor bolt when designed in this manner) provided per pole. Templates shall be contained within a 26.5 inch diameter. All templates shall be fully galvanized (ASTM A 153).
Subsection:	835.16.05 Optical Units.
Revision:	Replace the 3rd paragraph with the following: The list of certified products can be found on the following website: http://www.intertek.com .
Subsection:	835.19.01 Pedestrian Detector Body.
Revision:	Replace the first sentence with the following: Provide a four holed pole mounted aluminum rectangular housing that is a compatible with the pedestrian detector.

SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS

This Special Note will apply when indicated on the plans or in the proposal.

1.0 DESCRIPTION. Furnish, install, operate, and maintain variable message signs at the locations shown on the plans or designated by the Engineer. Remove and retain possession of variable message signs when they are no longer needed on the project.

2.0 MATERIALS.

2.1 General. Use LED Variable Message Signs Class I, II, or III, as appropriate, from the Department's List of Approved Materials.

Unclassified signs may be submitted for approval by the Engineer. The Engineer may require a daytime and nighttime demonstration. The Engineer will make a final decision within 30 days after all required information is received.

2.2 Sign and Controls. All signs must:

- 1) Provide 3-line messages with each line being 8 characters long and at least 18 inches tall. Each character comprises 35 pixels.
- 2) Provide at least 40 preprogrammed messages available for use at any time. Provide for quick and easy change of the displayed message; editing of the message; and additions of new messages.
- 3) Provide a controller consisting of:
 - a) Keyboard or keypad.
 - b) Readout that mimics the actual sign display. (When LCD or LCD type readout is used, include backlighting and heating or otherwise arrange for viewing in cold temperatures.)
 - c) Non-volatile memory or suitable memory with battery backup for storing pre-programmed messages.
 - d) Logic circuitry to control the sequence of messages and flash rate.
- 4) Provide a serial interface that is capable of supporting complete remote control ability through land line and cellular telephone operation. Include communication software capable of immediately updating the message, providing complete sign status, and allowing message library queries and updates.
- 5) Allow a single person easily to raise the sign to a satisfactory height above the pavement during use, and lower the sign during travel.
- 6) Be Highway Orange on all exterior surfaces of the trailer, supports, and controller cabinet.
- 7) Provide operation in ambient temperatures from -30 to + 120 degrees Fahrenheit during snow, rain and other inclement weather.
- 8) Provide the driver board as part of a module. All modules are interchangeable, and have plug and socket arrangements for disconnection and reconnection. Printed circuit boards associated with driver boards have a conformable coating to protect against moisture.
- 9) Provide a sign case sealed against rain, snow, dust, insects, etc. The lens is UV stabilized clear plastic (polycarbonate, acrylic, or other approved material) angled to prevent glare.
- 10) Provide a flat black UV protected coating on the sign hardware, character PCB, and appropriate lens areas.
- 11) Provide a photocell control to provide automatic dimming.

- 12) Allow an on-off flashing sequence at an adjustable rate.
- 13) Provide a sight to aim the message.
- 14) Provide a LED display color of approximately 590 nm amber.
- 15) Provide a controller that is password protected.
- 16) Provide a security device that prevents unauthorized individuals from accessing the controller.
- 17) Provide the following 3-line messages preprogrammed and available for use when the sign unit begins operation:

/KEEP/RIGHT/=>=>=>/	/MIN/SPEED/**MPH/
/KEEP/LEFT/<=<=</	/ICY/BRIDGE/AHEAD/ /ONE
/LOOSE/GRAVEL/AHEAD/	LANE/BRIDGE/AHEAD/
/RD WORK/NEXT/**MILES/	/ROUGH/ROAD/AHEAD/
/TWO WAY/TRAFFIC/AHEAD/	/MERGING/TRAFFIC/AHEAD/
/PAINT/CREW/AHEAD/	/NEXT/***/MILES/
/REDUCE/SPEED/**MPH/	/HEAVY/TRAFFIC/AHEAD/
/BRIDGE/WORK/***0 FT/	/SPEED/LIMIT/**MPH/
/MAX/SPEED/**MPH/	/BUMP/AHEAD/
/SURVEY/PARTY/AHEAD/	/TWO/WAY/TRAFFIC/

*Insert numerals as directed by the Engineer.
Add other messages during the project when required by the Engineer.

2.3 Power.

- 1) Design solar panels to yield 10 percent or greater additional charge than sign consumption. Provide direct wiring for operation of the sign or arrow board from an external power source to provide energy backup for 21 days without sunlight and an on-board system charger with the ability to recharge completely discharged batteries in 24 hours.

3.0 CONSTRUCTION. Furnish and operate the variable message signs as designated on the plans or by the Engineer. Ensure the bottom of the message panel is a minimum of 7 feet above the roadway in urban areas and 5 feet above in rural areas when operating. Use Class I, II, or III signs on roads with a speed limit less than 55 mph. Use Class I or II signs on roads with speed limits 55 mph or greater.

Maintain the sign in proper working order, including repair of any damage done by others, until completion of the project. When the sign becomes inoperative, immediately repair or replace the sign. Repetitive problems with the same unit will be cause for rejection and replacement.

Use only project related messages and messages directed by the Engineer, unnecessary messages lessen the impact of the sign. Ensure the message is displayed in either one or 2 phases with each phase having no more than 3 lines of text. When no message is needed, but it is necessary to know if the sign is operable, flash only a pixel.

When the sign is not needed, move it outside the clear zone or where the Engineer directs. Variable Message Signs are the property of the Contractor and shall be removed from the project when no longer needed. The Department will not assume ownership of these signs.

4.0 MEASUREMENT. The final quantity of Variable Message Sign will be

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the actual number of individual signs acceptably furnished and operated during the project. The Department will not measure signs replaced due to damage or rejection.

5.0 PAYMENT. The Department will pay for the Variable Message Signs at the unit price each. The Department will not pay for signs replaced due to damage or rejection. Payment is full compensation for furnishing all materials, labor, equipment, and service necessary to, operate, move, repair, and maintain or replace the variable message signs. The Department will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
02671	Portable Changeable Message Sign	Each

Effective June 15, 2012

SPECIAL NOTE FOR ROCK BLASTING

This Special Note will apply when indicated on the plans or in the proposal. Section references herein are to the Department's 2012 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. This work consists of fracturing rock and constructing stable final rock cut faces using presplit blasting and production blasting techniques.

2.0 MATERIALS. Deliver, store, and use explosives according to the manufacturer's recommendations and applicable laws. Do not use explosives outside their recommended use date. Verify date of manufacture and provide copies of the technical data sheets (TDS) and material safety data sheets (MSDS) to the Engineer. Explosives and initiating devices include, but are not necessarily limited to, dynamite and other high explosives, slurries, water gels, emulsions, blasting agents, initiating explosives, detonators, blasting caps, and detonating cord.

3.0 CONSTRUCTION. Furnish copies or other proof of all-applicable permits and licenses. Comply with Federal, State, and local regulations on the purchase, transportation, storage, and use of explosive material. Regulations include but are not limited to the following:

- 1) KRS 351.310 through 351.9901.
- 2) 805 KAR 4:005 through 4:165
- 3) Applicable rules and regulations issued by the Office of Mine Safety and Licensing.
- 4) Safety and health. OSHA, 29 CFR Part 1926, Subpart U.
- 5) Storage, security, and accountability. Bureau of Alcohol, Tobacco, and Firearms (BATF), 27 CFR Part 181.
- 6) Shipment. DOT, 49 CFR Parts 171-179, 390-397.

3.1 Blaster-in-Charge. Designate in writing a blaster-in-charge and any proposed alternates for the position. Submit documentation showing the blaster-in-charge, and alternates, have a valid Kentucky blaster's license. Ensure the blaster-in-charge or approved alternate is present at all times during blasting operations.

3.2 Blasting Plans. Blasting plans and reports are for quality control and record keeping purposes. Blasting reports are to be signed by the blaster-in-charge or the alternate blaster-in-charge. The general review and acceptance of blasting plans does not relieve the Contractor of the responsibility whatsoever for conformance to regulations or for obtaining the required results. All blasting plans shall be submitted to the Engineer. The Engineer will be responsible for submitting the plan to the Central Office Division of Construction and the Division of Mine Reclamation and Enforcement, Explosives and Blasting Branch at the following address: 2 Hudson Hollow, Frankfort, Kentucky, 40601.

- A) General Blasting Plan.** Submit a general blasting plan for acceptance at least 15 working days before drilling operations begin. Include, as a minimum, the following safety and procedural details:

- 1) Working procedures and safety precautions for storing, transporting, handling, detonating explosives. Include direction on pre and post blast audible procedures, methods of addressing misfires, and methods of addressing inclement weather, including lightning.
 - 2) Proposed product selection for both dry and wet holes. Furnish Manufacturer's TDS and MSDS for all explosives, primers, initiators, and other blasting devices.
 - 3) Proposed initiation and delay methods.
 - 4) Proposed format for providing all the required information for the site specific blasting shot reports.
- B) Preblast Meeting.** Prior to drilling operations, conduct a preblast meeting to discuss safety and traffic control issues and any site specific conditions that will need to be addressed. Ensure, at a minimum, that the Engineer or lead inspector, Superintendent, blaster-in-charge, and all personnel involved in the blasting operation are present. Site specific conditions include blast techniques; communication procedures; contingency plans and equipment for dealing with errant blast material. The conditions of the General Blasting plan will be discussed at this meeting. Record all revisions and additions made to the blasting plan and obtain written concurrence by the blaster-in-charge. Provide a copy of the signed blast plan to the Engineer along with the sign in sheet from the preblast meeting.

3.3 Preblast Condition Survey and Vibration Monitoring and Control. Before blasting, arrange for a preblast condition survey of nearby buildings, structures, or utilities, within 500 feet of the blast or that could be at risk from blasting damage. Provide the Engineer a listing of all properties surveyed and any owners denying entry or failing to respond. Notify the Engineer and occupants of buildings at risk at least 24 hours before blasting.

Limit ground vibrations and airblast to levels that will not exceed limits of 805 KAR 4:005 through 4:165. More restrictive levels may be specified in the Contract.

Size all blast designs based on vibration, distance to nearest building or utility, blast site geometry, atmospheric conditions and other factors. Ground vibrations are to be controlled according to the blasting standards and scaled distance formulas in 805 KAR 4:020 or by the use of seismographs as allowed in 805 KAR 4:030. The Department will require seismographs at the nearest allowable location to the protected site when blasting occurs within 500 feet of buildings, structures, or utilities.

3.4 Blasting. Drill and blast at the designated slope lines according to the blasting plan. Perform presplitting to obtain smooth faces in the rock and shale formations. Perform the presplitting before blasting and excavating the interior portion of the specified cross section at any location. The Department may allow blasting for fall benches and haul roads prior to presplitting when blasting is a sufficient distance from the final slope and results are satisfactory to the Engineer. Use the types of explosives and blasting accessories necessary to obtain the required results.

Free blast holes of obstructions for their entire depth. Place charges without caving the blast hole walls. Stem the upper portion of all blast holes with dry sand or other granular material passing the 3/8-inch sieve. Dry drill cuttings are acceptable for stemming when blasts are more than 800 feet from the nearest dwelling.

11D

Stop traffic during blasting operations when blasting near any road and ensure traffic does not pass through the Danger Zone. The blaster-in-charge will define the Danger Zone prior to each blast. Ensure traffic is stopped outside the Danger Zone, and in no case within 800 feet of the blast location.

Following a blast, stop work in the entire blast area, and check for misfires before allowing worker to return to excavate the rock.

Remove or stabilize all cut face rock that is loose, hanging, or potentially dangerous. Leave minor irregularities or surface variations in place if they do not create a hazard. Drill the next lift only after the cleanup work and stabilization work is complete.

When blasting operations cause fracturing of the final rock face, repair or stabilize it in an approved manner at no cost to the Department.

Halt blasting operations in areas where any of the following occur:

- 1) Slopes are unstable;
- 2) Slopes exceed tolerances or overhangs are created;
- 3) Backslope damage occurs;
- 4) Safety of the public is jeopardized;
- 5) Property or natural features are endangered;
- 6) Fly rock is generated; or
- 7) Excessive ground or airblast vibrations occur in an area where damage to buildings, structures, or utilities is possible.
- 8) The Engineer determines that materials have become unsuitable for blasting

Blasting operations may continue at a reasonable distance from the problem area or in areas where the problems do not exist. Make the necessary modifications to the blasting operations and perform a test blast to demonstrate resolution of the problem.

A) Drill Logs. Maintain a layout drawing designating hole numbers with corresponding drill logs and provide a copy of this information to the blaster prior to loading the hole. Ensure the individual hole logs completed by the driller(s) show their name; date drilled; total depth drilled; and depths and descriptions of significant conditions encountered during drilling that may affect loading such as water, voids, changes in rock type.

B) Presplitting. Conduct presplitting operations in conformance with Subsection 204.03.04 of the Standard Specifications for Road and Bridge Construction.

3.5 Shot Report. Maintain all shot reports on site for review by the Department. Within one day after a blast, complete a shot report according to the record keeping requirements of 805 KAR 4:050. Include all results from airblast and seismograph monitoring.

3.6 Unacceptable Blasting. When unacceptable blasting occurs, the Department will halt all blasting operations. Blasting will not resume until the Department completes its investigation and all concerns are addressed. A blast is unacceptable when it results in fragmentation beyond the final rock face, fly rock, excessive vibration or airblast, overbreak, damage to the final rock face or overhang. Assume the cost for all resulting damages to private and public property and hold the Department harmless.

11D

When an errant blast or fly rock causes damage to or blocks a road or conveyance adjacent to the roadway, remove all debris from the roadway as quickly as practicable and perform any necessary repairs. Additionally, when specified in the Contract, the Department will apply a penalty.

Report all blasting accidents to the Division of Mine Reclamation and Enforcement, Explosives and Blasting Branch at 502-564-2340.

4.0 MEASUREMENT AND PAYMENT. The Department will not measure this work for payment and will consider all items contained in this note to be incidental to either Roadway Excavation or Embankment-in-Place, as applicable. However, if the Engineer directs in writing slope changes, then the Department will pay for the second presplitting operation as Extra Work.

The Department will measure for payment material lying outside the typical section due to seams, broken formations, or earth pockets, including any earth overburden removed with this material, only when the work is performed under authorized adjustments.

The Department will not measure for payment any extra material excavated because of the drill holes being offset outside the designated slope lines.

The Department will not measure for payment any material necessary to be removed due to the inefficient or faulty blasting practices.

June 15, 2012

SPECIAL NOTE FOR BARCODE LABEL ON PERMANENT SIGNS

1.0 DESCRIPTION. Install barcode label on sign as specified in the Contract. Section references herein are to the Department’s 2012 Standard Specifications for Road and Bridge Construction.

2.0 MATERIALS. The Department will provide the Contractor with a 2 inch x 1 inch foil barcode label for each permanent sign. A unique number will be assigned to each barcode label.

The Contractor shall contact the Operations and Pavement Management Branch in the Division of Maintenance at (502) 564-4556 to obtain the barcode labels.

3.0 CONSTRUCTION. Apply foil barcode label in the lower right quadrant of the sign back. Signs where the bottom edge is not parallel to the ground, the lowest corner of the sign shall serve as the location to place the barcode label. The barcode label shall be placed no less than one-inch and no more than three inches from any edge of the sign. The barcode must be placed so that the sign post does not cover the barcode label.

Barcodes shall be applied in an indoor setting with a minimum air temperature of 50°F or higher. Prior to application of the barcode label, the back of the sign must be clean and free of dust, oil, etc. If the sign is not clean, an alcohol swab shall be used to clean the area. The area must be allowed to dry prior to placement of the barcode label.

Data for each sign shall include the barcode number, MUTCD reference number, sheeting manufacturer, sheeting type, manufacture date, color of primary reflective surface, installation date, latitude and longitude using the North American Datum of 1983 (NAD83) or the State Plane Coordinates using an x and y ordinate of the installed location.

Data should be provided electronically on the TC 71-229 Sign Details Information and TC 71-230 Sign Assembly Information forms. The Contractor may choose to present the data in a different format provided that the information submitted to the Department is equivalent to the information required on the Department TC forms. The forms must be submitted in electronic format regardless of which type of form is used. The Department will not accept PDF or handwritten forms. These completed forms must be submitted to the Department prior to final inspection of the signs. The Department will not issue formal acceptance for the project until the TC 71-229 and TC-230 electronic forms are completed for all signs and sign assemblies on the project.

4.0 MEASUREMENT. The Department will measure all work required for the installation of the barcode label and all work associated with completion and submission of the sign inventory data (TC 71-229 and TC 71-230).

The installation of the permanent sign will be measured in accordance to Section 715.

5.0 PAYMENT. The Department will make payment for the completed and accepted quantities under the following:

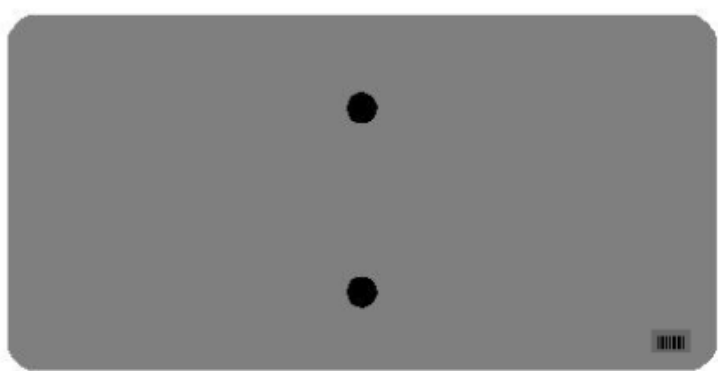
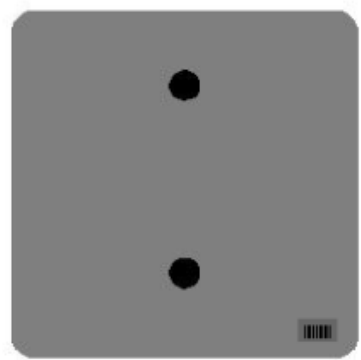
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24631EC	Barcode Sign Inventory	Each

The Department will not make payment for this item until all barcodes are installed and sign inventory is complete on every permanent sign installed on the project. The Department will make payment for installation of the permanent sign in accordance to Section 715. The Department will consider payment as full compensation for all work required under this special note.

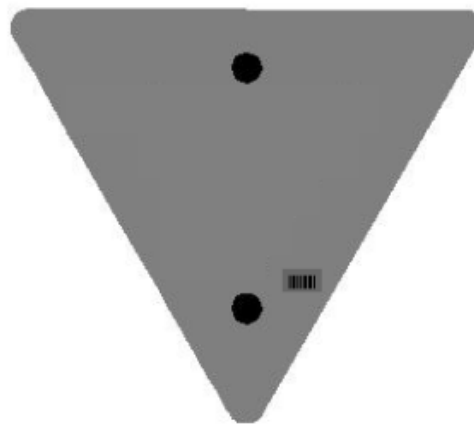
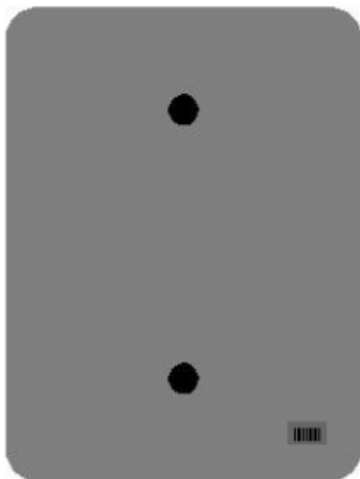
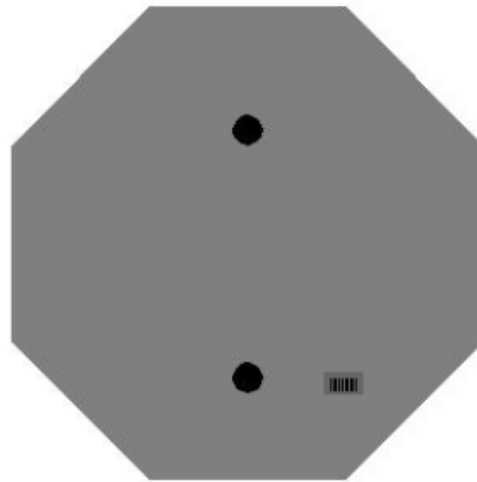
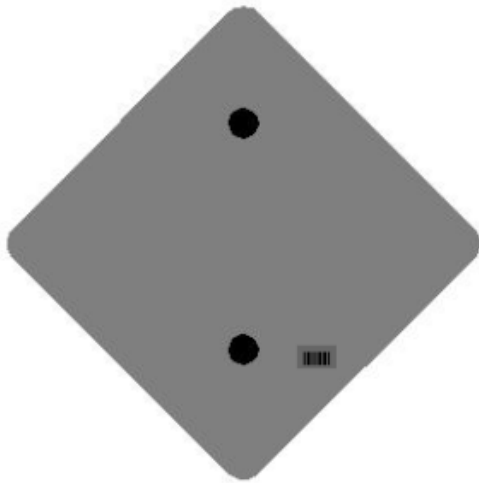
One Sign Post



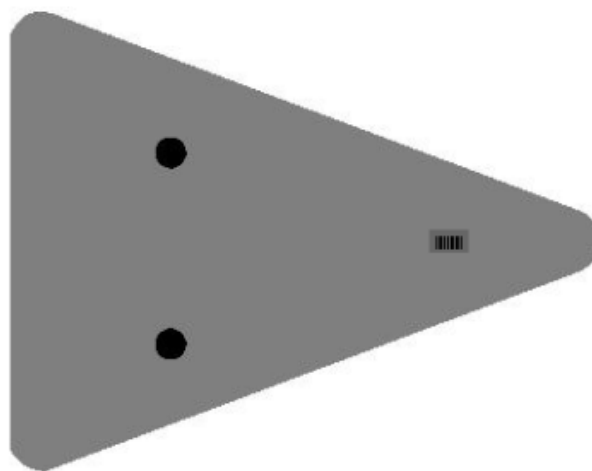
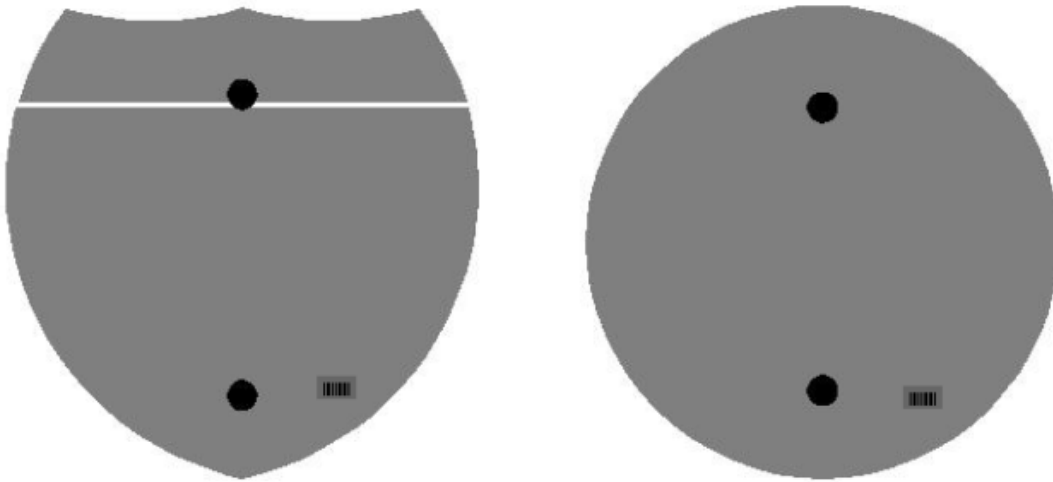
↑
2" Wide Post



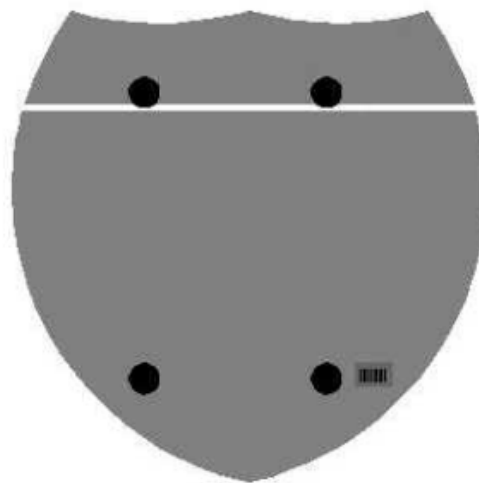
One Sign Post



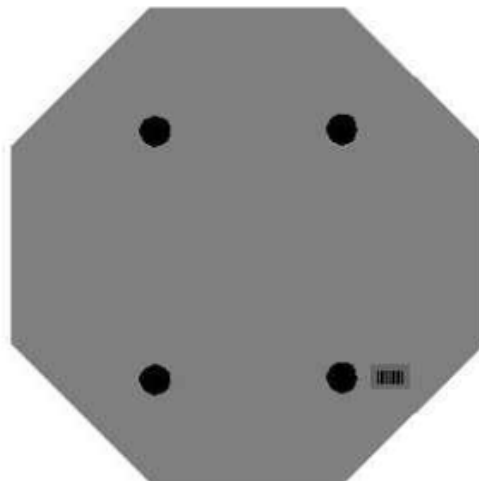
One Sign Post



Double Sign Post



Interstate
Shield

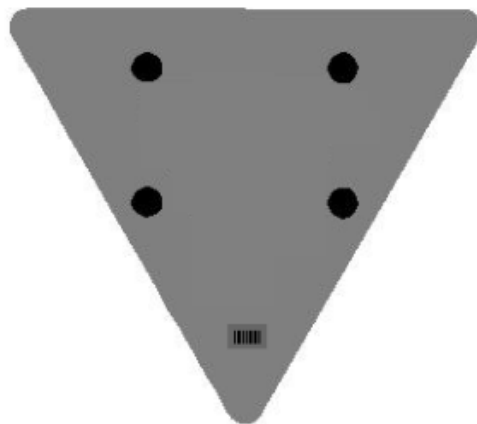


48" Stop

2 Post Signs



↑
2" Wide Post



PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

**TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

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

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

I. APPLICATION

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

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

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

II. NONDISCRIMINATION OF EMPLOYEES

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

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

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

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

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual

because of his race, color, religion, national origin, sex, disability or age (between forty and seventy), in admission to, or employment in any program established to provide apprenticeship or other training.

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

III. PAYMENT OF PREDETERMINED MINIMUM WAGES

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

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

IV. STATEMENTS AND PAYROLLS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Revised 2-16-95

EXECUTIVE BRANCH CODE OF ETHICS

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

KRS 11A.040 (6) provides:

No present or former public servant shall, within six (6) months of following termination of his office or employment, accept employment, compensation or other economic benefit from any person or business that contracts or does business with the state in matters in which he was directly involved during his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved in state government. This subsection shall not prohibit the performance of ministerial functions, including, but not limited to, filing tax returns, filing applications for permits or licenses, or filing incorporation papers.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, for a period of one (1) year after the latter of:

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

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

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

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

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Kentucky Equal Employment Opportunity Act of 1978

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

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

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

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

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

KENTUCKY LABOR CABINET
PREVAILING WAGE DETERMINATION
CURRENT REVISION
HIGHWAY CONSTRUCTION LOCALITY NO. II

Determination No. CR-13-II-HWY

Project No.
Highway

Date of Determination: April 15, 2013

This schedule of the prevailing rate of wages for Locality No. II including the counties of ADAIR, BARREN, BELL, BREATHITT, CASEY, CLAY, CLINTON, CUMBERLAND, ESTILL, FLOYD, GARRARD, GREEN, HARLAN, HART, JACKSON, JOHNSON, KNOTT, KNOX, LAUREL, LAWRENCE, LEE, LESLIE, LETCHER, LINCOLN, MCCREARY, MAGOFFIN, MARTIN, MENIFEE, METCALFE, MONROE, MORGAN, OWSLEY, PERRY, PIKE, POWELL, PULASKI, ROCKCASTLE, RUSSELL, TAYLOR, WAYNE, WHITLEY, and WOLFE has been determined in accordance with the provisions of KRS 337.505 to 337.550. This determination shall be referred to as Prevailing Wage Determination No. CR-13-II-HWY.

The following schedule of rates is to be used for highway construction projects advertised or awarded by the Kentucky Transportation Cabinet. This includes any contracts for the relocation of any utilities or other incidental construction projects advertised or awarded by public authorities as a result of the highway construction project.

Apprentices or trainees shall be permitted to work in accordance with Administrative Regulations adopted by the Commissioner of the Department of Workplace Standards. Copies of these regulations will be furnished upon request to any interested person.

Overtime is to be computed at not less than one and one-half (1 1/2) times the indicated BASE RATE for all hours worked in excess of eight (8) hours per day, or in excess of forty (40) hours per week. However, KRS 337.540 permits an employee and employer to agree, in writing, that the employee will be compensated at a straight time base rate for hours worked in excess of eight (8) hours in any one calendar day, but not more than ten (10) hours worked in any one calendar day, if such written agreement is prior to the over eight (8) hours in a calendar day actually being worked, or where provided for in a collective bargaining agreement. The fringe benefit rate is to be paid for each hour worked at a straight time rate for all hours worked. Fringe benefit amounts are applicable for all hours worked except when otherwise noted. Welders will receive rate for craft in which welding is incidental.

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



Michael Donta, Deputy Commissioner
Department of Workplace Standards

<u>CLASSIFICATIONS</u>	<u>RATE AND FRINGE BENEFITS</u>	
BOILERMAKERS:	BASE RATE	\$24.65
	FRINGE BENEFIT	12.94
<hr/>		
BRICKLAYERS:		
Bricklayers:	BASE RATE	\$22.90
	FRINGE BENEFITS	8.50
Stone Mason:	BASE RATE	\$21.50
	FRINGE BENEFITS	8.50
<hr/>		
CARPENTERS:		
Carpenters:	BASE RATE	\$24.15
	FRINGE BENEFITS	13.50
Piledrivers:	BASE RATE	\$23.80
	FRINGE BENEFITS	13.50
<hr/>		
CEMENT MASONS:	BASE RATE	\$21.25
	FRINGE BENEFITS	8.50
<hr/>		
ELECTRICIANS:	*BASE RATE	\$29.36
	FRINGE BENEFITS	10.55
<p>*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.</p>		
LINEMAN:	*BASE RATE	\$30.09
	FRINGE BENEFITS	10.94
EQUIPMENT OPERATOR:	*BASE RATE	\$26.90
	FRINGE BENEFITS	10.31
GROUNDSMAN:	*BASE RATE	\$17.79
	FRINGE BENEFITS	8.51
<hr/>		
IRONWORKERS:	BASE RATE	\$ 26.34
	FRINGE BENEFITS	18.84

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

LABORERS:

GROUP 1: Aging and curing of concrete (any mode or method), asbestos abatement worker, asphalt plant laborers, asphalt laborers; batch truck dumpers; carpenter tenders, cement mason tenders, cleaning of machines, concrete laborers, demolition laborers, dredging laborers, drill helper, environmental laborer - nuclear, radiation, toxic and hazardous waste – Level D, flagmen, grade checkers, all hand digging and hand back filling, highway marker placers, landscaping laborers, mesh handlers and placers, puddler, railroad laborers, rip-rap and grouters, right of way laborers, sign, guard rail and fence installers (all types), signalmen, sound barrier installer, storm and sanitary sewer laborers, swampers, truck spotters and dumpers, wrecking of concrete forms, general cleanup:

HEAVY & HIGHWAY	BASE RATE	\$21.15
	FRINGE BENEFITS	11.41

GROUP 2: Batter board men (sanitary and storm sewer), brickmason tenders, mortar mixer operator, scaffold builders, burner and welder, bushammers, chain saw operator, concrete saw operators, deckhand scow man, dry cement handlers, environmental laborers – nuclear, radiation, toxic and hazardous waste – Level C, forklift operators for masonry, form setters, green concrete cutting, hand operated grouter and grinder machine operator, jack hammers, lead paint abatement, pavement breakers, paving joint machine, pipe layers – laser operators (non-metallic), plastic pipe fusion, power driven Georgia buggy and wheel barrow, power post hole diggers, precast manhole setters, walk-behind tampers, walk-behind trenchers, sand blasters, concrete chippers, surface grinders, vibrator operators, wagon drillers:

HEAVY & HIGHWAY	BASE RATE	\$21.40
	FRINGE BENEFITS	11.41

GROUP 3: Air track driller (all types), asphalt luteman and rakers, gunnite nozzleman, gunnite operators and mixers, grout pump operator, powderman and blaster, side rail setters, rail paved ditches, screw operators, tunnel laborers (free air), and water blasters:

HEAVY & HIGHWAY	BASE RATE	\$21.45
	FRINGE BENEFITS	11.41

GROUP 4: Caisson workers (free air), cement finishers, environmental laborer – nuclear, radiation, toxic and hazardous waste – Level A and B, miners and drillers (free air), tunnel blasters, and tunnel mockers (free air), directional and horizontal boring, air track drillers (all types), powder man and blasters, troxler and concrete tester if laborer is utilized:

HEAVY & HIGHWAY	BASE RATE	\$22.05
	FRINGE BENEFITS	11.41

OPERATING ENGINEERS:

Group A-1:

NCCCO or OECF Certified; Crane, dragline, hoist (1 drum when used for stack or chimney construction or repair), hoisting engineer (2 or more drums), orangepeel, overhead crane, piledriver, truck crane, tower crane, hydraulic crane:

BASE RATE	\$28.40
FRINGE BENEFITS	13.40

CLASSIFICATIONS

RATE AND FRINGE BENEFITS

Group A:

Auto patrol, batcher plant, bituminous paver, cable-way, clamshell, concrete mixer (21 cu. ft. or over), concrete pump, crane, crusher plant, derrick, derrick boat, ditching and trenching machine, dragline, dredge engineer, elevator (regardless of ownership when used for hoisting any building material), elevating grader and all types of loaders, hoe-type machine, hoisting engine, locomotive, LeTourneau or carry-all scoop, bulldozer, mechanic, orangepeel bucket, piledriver, power blade, roller (bituminous), roller (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, sheepfoot, sideboom, throttle-valve man, rotary drill, power generator, mucking machine, rock spreader attached to equipment, scoopmobile, KeCal loader, tower cranes (French, German and other types), hydrocrane, tugger, backfiller guries, self-propelled compactor, self-contained hydraulic percussion drill:

BASE RATE \$27.35
FRINGE BENEFITS 13.40

Group B:

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

BASE RATE \$24.87
FRINGE BENEFITS 13.40

Group B2:

Greaser on grease facilities servicing heavy equipment:

BASE RATE \$25.26
FRINGE BENEFITS 13.40

Group C:

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

BASE RATE \$24.60
FRINGE BENEFITS 13.40

PAINTERS:

All Excluding Bridges:

BASE RATE \$19.92
FRINGE BENEFITS 9.57

Bridges:

BASE RATE \$23.92
FRINGE BENEFITS 10.07

<u>CLASSIFICATIONS</u>	<u>RATE AND FRINGE BENEFITS</u>	
PLUMBERS:	BASE RATE	\$22.52
	FRINGE BENEFITS	7.80
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SHEET METAL:	BASE RATE	\$20.40
	FRINGE BENEFITS	7.80
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TRUCK DRIVERS:		
Truck helper and warehouseman:	BASE RATE	\$22.45
	FRINGE BENEFITS	13.50
Driver, winch truck and A-Frame when used in transporting materials:	BASE RATE	\$22.55
	FRINGE BENEFITS	13.50
Driver, (semi-trailer or pole trailer), driver (dump truck, tandem axle), driver of distributor:	BASE RATE	\$22.65
	FRINGE BENEFITS	13.50
Driver on mixer trucks (all types):	BASE RATE	\$22.70
	FRINGE BENEFITS	13.50
Truck mechanic:	BASE RATE	\$22.75
	FRINGE BENEFITS	13.50
Driver (3 tons and under), tire changer and truck mechanic helper:	BASE RATE	\$22.78
	FRINGE BENEFITS	13.50
Driver on pavement breakers:	BASE RATE	\$22.80
	FRINGE BENEFITS	13.50
Driver (over 3 tons), driver (truck mounted rotary drill):	BASE RATE	\$22.99
	FRINGE BENEFITS	13.50
Driver, Euclid and other heavy earth moving equipment and Low Boy:	BASE RATE	\$23.56
	FRINGE BENEFITS	13.50
Greaser on greasing facilities:	BASE RATE	\$23.65
	FRINGE BENEFITS	13.50

Kentucky Determination No. CR-13-II-HWY dated April 15, 2013

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

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

These rates are listed pursuant to the Kentucky Determination No. CR-13-II-HWY dated April 15, 2013. 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 contract or 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 numbers 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 wage. 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.

Ryan Griffith, Acting Director
Division of Construction Procurement
Frankfort, Kentucky 40622

PROPOSAL BID ITEMS

131232

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	3,114.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	34.30	TON		\$	
0030	00103		ASPHALT SEAL COAT	4.10	TON		\$	
0040	00190		LEVELING & WEDGING PG64-22	702.00	TON		\$	
0050	00212		CL2 ASPH BASE 1.00D PG64-22	1,544.00	TON		\$	
0060	00301		CL2 ASPH SURF 0.38D PG64-22	1,034.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0070	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	7.00	EACH		\$	
0080	02003		RELOCATE TEMP CONC BARRIER	960.00	LF		\$	
0090	02014		BARRICADE-TYPE III	6.00	EACH		\$	
0100	02091		REMOVE PAVEMENT	167.00	SQYD		\$	
0110	02200		ROADWAY EXCAVATION	76,753.00	CUYD		\$	
0120	02242		WATER (FOR DUST CONTROL)	326.00	MGAL		\$	
0130	02351		GUARDRAIL-STEEL W BEAM-S FACE	275.00	LF		\$	
0140	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		\$	
0150	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0160	02381		REMOVE GUARDRAIL	265.00	LF		\$	
0170	02429		RIGHT-OF-WAY MONUMENT TYPE 1	26.00	EACH		\$	
0180	02432		WITNESS POST	26.00	EACH		\$	
0190	02488		CHANNEL LINING CLASS IV	2,227.00	CUYD		\$	
0200	02545		CLEARING AND GRUBBING (APPROXIMATELY 1.9 ACRES, COMMERCIAL ENTRANCE)	1.00	LS		\$	
0210	02545		CLEARING AND GRUBBING (APPROXIMATELY 3.0 ACRES, DRY RIDGE ROAD)	1.00	LS		\$	
0220	02562		TEMPORARY SIGNS	385.00	SQFT		\$	
0230	02585		EDGE KEY	108.00	LF		\$	
0240	02599		FABRIC-GEOTEXTILE TYPE IV	10,384.00	SQYD		\$	
0250	02650		MAINTAIN & CONTROL TRAFFIC (COMMERCIAL ENTRANCE)	1.00	LS		\$	
0260	02650		MAINTAIN & CONTROL TRAFFIC (DRY RIDGE ROAD)	1.00	LS		\$	
0270	02671		PORTABLE CHANGEABLE MESSAGE SIGN	5.00	EACH		\$	
0280	02726		STAKING (COMMERCIAL ENTRANCE)	1.00	LS		\$	
0290	02726		STAKING (DRY RIDGE ROAD)	1.00	LS		\$	
0300	02900		INSTALL TEMP CRASH CUSHION	2.00	EACH		\$	
0310	03171		CONCRETE BARRIER WALL TYPE 9T	960.00	LF		\$	
0320	04933		TEMP SIGNAL 2 PHASE	2.00	EACH		\$	
0330	05950		EROSION CONTROL BLANKET	9,805.00	SQYD		\$	
0340	05985		SEEDING AND PROTECTION	14,925.00	SQYD		\$	
0350	05992		AGRICULTURAL LIMESTONE	46.00	TON		\$	
0360	05997		TOPSOIL FURNISHED AND PLACED	1,754.00	CUYD		\$	
0370	06510		PAVE STRIPING-TEMP PAINT-4 IN	4,425.00	LF		\$	

PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0380	06514		PAVE STRIPING-PERM PAINT-4 IN	14,107.00	LF		\$	
0390	06568		PAVE MARKING-THERMO STOP BAR-24IN	32.00	LF		\$	
0400	06574		PAVE MARKING-THERMO CURV ARROW	2.00	EACH		\$	
0410	06589		PAVEMENT MARKER TYPE V-MW	4.00	EACH		\$	
0420	08901		CRASH CUSHION TY VI CLASS BT TL2	2.00	EACH		\$	
0430	20205EC		PAVE MARK STOP BAR-24 IN PAINT	22.00	LF		\$	
0440	20315ED		CLAY SOIL CAP	16,996.00	CUYD		\$	
0450	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (COMMERCIAL ENTRANCE)	1.00	LS		\$	
0460	23143ED		KPDES PERMIT AND TEMP EROSION CONTROL (DRY RIDGE ROAD)	1.00	LS		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0470	00440		ENTRANCE PIPE-15 IN	28.00	LF		\$	
0480	00462		CULVERT PIPE-18 IN	66.00	LF		\$	
0490	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
0500	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	135.00	SQYD		\$	
0510	23131ER701		PIPELINE VIDEO INSPECTION	66.00	LF		\$	

Section: 0004 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0520	06407		SBM ALUM SHEET SIGNS .125 IN	64.00	SQFT		\$	
0530	06410		STEEL POST TYPE 1	120.00	LF		\$	
0540	21373ND		REMOVE SIGN	8.00	EACH		\$	
0550	24631EC		BARCODE SIGN INVENTORY	14.00	EACH		\$	

Section: 0005 - WATERLINE RELOCATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0560	03383		PVC PIPE-4 IN (SDR17, CL. 250, UNCLASS. EXCAVATION, FURNISH & INSTALL)	700.00	LF		\$	
0570	03383		PVC PIPE-4 IN (4" RESTRAINED DUCTILE IRON JNT, UNCLASS. EXCAVATION)	600.00	LF		\$	
0580	03439		FLUSH HYDRANT (ASSEMBLY, FURNISH & INSTALL)	1.00	EACH		\$	
0590	21211ND		CUT & CAP-4 IN (EXISTING 4" LINE, FURNISH & INSTALL)	2.00	EACH		\$	
0600	21269ND		REMOVE-RELOCATE AND RECONNECT SERVICE (RECONNECT TO EXISTING LINES)	2.00	EACH		\$	
0610	22866NN		WATER METER (TEST METER ASSEMBLY)	1.00	EACH		\$	
0620	23300ED		CRUSHED STONE (ON SURFACE, FURNISH & INSTALL)	30.00	TON		\$	
0630	23597EC		TAPPING SLEEVE AND VALVE-4 IN (4"X4" DUCTILE IRON MECH. JNT, BOX, CONC COLLAR, FURN & INSTALL)	2.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0640	23663EC		AIR RELEASE VALVE-INSTALL (AUTO AIR ASSEMBLY, FURNISH & INSTALL)	1.00	EACH		\$	
0650	23714EC		FIBERGLASS LINE MARKER-FLAT (FURNISH & INSTALL)	15.00	EACH		\$	
0660	24483ED		METER AND BOX (5/8" X 3/4" SETTING COMPLETE, FURNISH & INSTALL)	2.00	EACH		\$	
0670	24484ED		PE SERVICE TUBING (3/4" SERVICE LINE, FURNISH & INSTALL)	80.00	LF		\$	

Section: 0006 - WATERLINE - SECTION 1

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0680	03385		PVC PIPE-6 IN (SDR17, CL. 250, FURNISH & INSTALL)	400.00	LF		\$	
0690	03434		REMOVE FIRE HYDRANT (ADANDON, REMOVE & RETURN TO OWNER)	1.00	EACH		\$	
0700	03439		FLUSH HYDRANT (FURNISH & INSTALL)	1.00	EACH		\$	
0710	03443		CUT CAP & BLOCK (EXISTING SERVICE LINE, FURNISH & INSTALL)	1.00	EACH		\$	
0720	03526		GATE VALVE-6 IN (RESILIENT SEAT, BOX, CONCRETE COLLAR, FURNISH & INSTALL)	2.00	EACH		\$	
0730	21269ND		REMOVE-RELOCATE AND RECONNECT SERVICE (RECONNECT TO EXISTING SERVICE LINE/METER, COMPLETE)	1.00	EACH		\$	
0740	21333ED		ASPHALT PAVING REPLACEMENT (TRENCH WIDTH, FURNISH & INSTALL)	100.00	LF		\$	
0750	23300ED		CRUSHED STONE (ON SURFACE, FURNISH & INSTALL)	30.00	TON		\$	
0760	23596EC		TAPPING SLEEVE AND VALVE-6 IN (6' X6' DUCTILE IRON MECHANICAL JOINT, BOX, CONC COLLAR, FURNISH & INSTALL)	1.00	EACH		\$	
0770	23663EC		AIR RELEASE VALVE-INSTALL (FURNISH & INSTALL)	1.00	EACH		\$	
0780	23705EC		CUT-CAP AND BLOCK-6 IN (EXISITING 6' LINE, COMPLETE)	1.00	EACH		\$	
0790	23714EC		FIBERGLASS LINE MARKER-FLAT (FURNISH & INSTALL)	4.00	EACH		\$	
0800	24483ED		METER AND BOX (5/8" X 3/4" METER SETTING, COMPLETE)	1.00	EACH		\$	
0810	24484ED		PE SERVICE TUBING (3/4" SERVICE LINE W/ COPPER PIPE, FURNISH & INSTALLL)	130.00	LF		\$	

Section: 0007 - WATERLINE - SECTION 2

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0820	01067		STEEL ENCASEMENT PIPE-10 IN (10" X 0.25" PIPE, SPACERS, END SEALS, COMPLETE W? 10' BORE)	40.00	LF		\$	
0830	03383		PVC PIPE-4 IN (SDR17, CL. 250, FURNISH & INSTALL)	800.00	LF		\$	
0840	03434		REMOVE FIRE HYDRANT (ABANDON, REMOVE & RETURN TO OWNER)	1.00	EACH		\$	
0850	03439		FLUSH HYDRANT (FURNISH & INSTALL)	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0860	03443		CUT CAP & BLOCK (EXISTING SERVICE UNDER ROAD)	1.00	EACH		\$	
0870	21211ND		CUT & CAP-4 IN (EXISTING LINE, COMPLETE)	1.00	EACH		\$	
0880	21269ND		REMOVE-RELOCATE AND RECONNECT SERVICE (EXISTING SERVICE/METER, COMPLETE)	1.00	EACH		\$	
0890	22866NN		WATER METER (TEST METER ASSEMBLY)	1.00	EACH		\$	
0900	23300ED		CRUSHED STONE (ON TRENCHED SURFACE, FURNISH & INSTALL)	10.00	TON		\$	
0910	23597EC		TAPPING SLEEVE AND VALVE-4 IN (4" X 4" DUCTILE IRON MECHANICAL JOINT, CONC COLLAR, FURNISH & INSTALL)	1.00	EACH		\$	
0920	23714EC		FIBERGLASS LINE MARKER-FLAT (FURNISH & INSTALL)	9.00	EACH		\$	
0930	24483ED		METER AND BOX (5/8" X 3/4" METER SETTING, COMPLETE)	1.00	EACH		\$	
0940	24484ED		PE SERVICE TUBING (1/4" X 3/4" CORP STOP & SADDLE, FURNISH & INSTALL)	370.00	LF		\$	

Section: 0008 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0950	02569		DEMOBILIZATION	1.00	LS		\$	