

CALL NO. <u>317</u> CONTRACT ID. <u>192422</u> <u>CAMPBELL COUNTY</u> FED/STATE PROJECT NUMBER <u>FE01 019 1892 001-002</u> DESCRIPTION <u>GRAND AVENUE (KY 1892)</u> WORK TYPE <u>OPERATIONS (MAINTENANCE)</u> PRIMARY COMPLETION DATE <u>5/31/2020</u>

LETTING DATE: November 22,2019

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME November 22,2019. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

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

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PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 06

CONTRACT ID - 192422

FE01 019 1892 001-002

COUNTY - CAMPBELL

PCN - MP01918921901 FE01 019 1892 001-002

GRAND AVENUE (KY 1892) 0.707 MILES NORTH OF HIGHLAND AVENUE (MILEPOINT 1.725).OPERATIONS (MAINTENANCE) GEOGRAPHIC COORDINATES LATITUDE 39:04:58.00 LONGITUDE 84:28:15.00

COMPLETION DATE(S):

COMPLETED BY 05/31/2020

SPECIFIED COMPLETION DATE - ALL ITEMS IN CONTRACT

CONTRACT NOTES

PROPOSAL ADDENDA

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

BID SUBMITTAL

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

JOINT VENTURE BIDDING

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

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. When prescribed in said directives, the contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom shall be contacted through their individual Protection Notification Center. Non-compliance with these directives can result in the enforcement of penalties.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by <u>KRS 14A.9-010</u> to obtain a certificate of authority to transact business in the Commonwealth ("certificate") from the Secretary of State under <u>KRS 14A.9-030</u> 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 <u>KRS 14A.9-010</u>, the foreign entity should identify the applicable exception. Foreign entity is defined within <u>KRS 14A.1-070</u>.

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 <u>https://secure.kentucky.gov/sos/ftbr/welcome.aspx</u>.

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 <u>kytc.projectquestions@ky.gov</u>. 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 (<u>www.transportation.ky.gov/contract</u>). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

HARDWOOD REMOVAL RESTRICTIONS

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

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

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

ACCESS TO RECORDS

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

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

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

April 30, 2018

SPECIAL NOTE FOR RECIPROCAL PREFERENCE

RECIPROCAL PREFERENCE TO BE GIVEN BY PUBLIC AGENCIES TO RESIDENT BIDDERS

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

April 30, 2018

SURFACING AREAS

The Department estimates the mainline surfacing width to be 28 feet in width in each direction (including gutters). The Department estimates the total mainline area to be surfaced with JPC-9 Inch to be 35 square yards. KY 1892 has a curb and gutter typical; there are no shoulders.

DGA BASE

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 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-110-07 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.

SPECIAL NOTES FOR DRAINAGE REPAIR

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

I. **DESCRIPTION**

Except as specified in theses notes, perform all work according to the Department's 2019 Standard and Supplemental Specifications, applicable Special Provisions and Special Notes, and Standard and Sepia Drawings, current editions. Section references are to the 2019 Standard Specifications. Furnish all materials, labor, equipment, and incidentals for the following work:

(1) Maintain and Control traffic; (2) Site Preparation; (3) Erosion Control; (4) Remove existing PCC pavement and integral curb; (5) Remove existing pipe, box inlets, and manhole; (6) Prepare foundation and construct new pipe, box inlets, and manhole; (7) Construct new JPC pavement and Integral Curb; and (8) all other work required by the Specifications, Standard Drawings, Special Notes and the drawings in the proposal.

II. MATERIALS

The Department will sample and test all materials according to Department's Sampling Manual. Make materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing, unless otherwise specified in these notes.

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

B. Storm Sewer Pipe. Furnish storm sewer pipe conforming to Section 810, designed for a nominal fill cover height of 2 feet according to Standard Drawing RDI-001-10, and pH range medium according to Standard Drawing RDI-035-02. Verify maximum and minimum fill cover height required for new pipe prior to construction and obtain the Engineer's approval of the class or gauge of pipe and type of coating prior to delivering pipe to the project. Furnish approved connecting bands or pipe sleeves.

C. Foundation Preparation. See Section 603.02.

D. Box Inlets and Manhole. See Section 710.02.

E. Backfill. Furnish Flowable Fill for pipe to be under pavement. Use flowable fill or other allowable materials according to Section 701.05.05.

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F. Dense Graded Aggregate. Use DGA conforming to Section 805, no alternate. Do not furnish Crushed Stone Base in lieu of DGA.

G. JPC Pavement. Use JPC Pavement-9 Inch conforming to the Special Note for Full Depth Concrete Pavement Repair 11J. At Contractor's request and at no additional cost to the Department, the Engineer may approve other high early strength rapid setting concrete; however the use of chloride accelerators will not be approved. The Department will allow either central mixing or truck mixing.

H. Joint Sealant. Use hot-poured elastic conforming to Section 807, no alternates.

I. Slope Protection. Furnish Channel Lining Class II.

J. Erosion Control. See Erosion Control Plan.

III. CONSTRUCTION METHODS

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

B. Erosion Control. See Erosion Control Plan.

C. Site Preparation. Be responsible for all site preparation, including but not limited to saw cutting and removing pavement and curb; clearing and grubbing; incidental excavation and backfilling; removal of existing pipe, box inlets, manhole, and any obstructions or items; restoration of slopes and all disturbed areas; final dressing and cleanup; and disposal of waste. Perform all site preparation only as approved or directed by the Engineer.

D. Removing Pavement, Curb, Pipe, Box Inlets and Manhole, and Excavation. Remove pavement and curb as directed by the Engineer. The Engineer will determine the actual location and extent at the time of construction. Saw cut the existing PCC pavement and curb to a neat edge prior to excavation and removal of the existing pipe. Obtain the Engineer's approval of trench width prior to cutting pavement. Excavate trench and remove pipe, box inlets, and manhole as directed or approved by the Engineer without disturbing existing underground utilities. Deliver the castings, frame, and lids to the Departments Campbell County Maintenance Facility. Waste excavated materials and removed pavement, pipe, box inlets, and manholes 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.

E. Foundation Preparation. See Section 603.03.

F. Pipe, Box Inlets, and Manhole. Construct storm sewer pipe, box inlets, and manhole at the location designated by the Engineer. Establish final centerline, flow lines and skew

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to obtain the best fit of the existing ditches and channels. Construct pipe bedding according to Section 701 and the applicable Standard or Sepia Drawings. Use approved connecting bands pipe sleeves as required. Prior to backfilling pipe, box inlets, and manhole, obtain the Engineer's approval of the installations. Provide Positive drainage upon completion of pipe installation.

G. Backfill. Backfill culvert pipe with flowable fill to within 13 inches of the existing pavement grade. Extend flowable fill to a minimum of 1 foot beyond the edge of the normal paved shoulder width. Backfill the remainder of the pipe, box inlets, and manhole with flowable fill or other allowable materials according to Section 701.03.06.

H. Pavement Restoration. Prepare the base with DGA (do not use Crushed Stone Base) according to the Special Note for Full Depth Concrete Pavement Repair. It is not anticipated that geotextile fabric will be required. Compact the new and existing aggregate base to the Engineer's satisfaction. Compact areas not accessible to compaction equipment with vibratory plate compactors and hand tamping. Do not place final surfacing until the Engineer determines that the trench backfill and DGA are sufficiently stabilized.

Except as specified herein, construct JPC Pavement Replacement according to the Special Note for Full Depth Concrete Pavement Repair 11J. Perform pavement removal and replacement in such a manner that removal and replacement are accomplished on the same day at each location. Prior to pavement removal and placing JPC Pavement, obtain the Engineer's approval of proposed method of construction for ensuring and establishing a smooth profile.

Place PCC Pavement with nominal depth of nine (9) inches; however, transition the finished grade of the PCC Pavement to match the adjacent pavement that is to remain in place; therefore, the actual thickness of the pavement may be greater than nine (9) inches in some areas. Install tie and dowel bars according to Special Note for Full Depth Concrete Pavement Repair 11J using gang drills, capable of drilling a minimum of four holes at a time. Contrary to the Special Note for Full Depth Concrete Pavement Repair 11J, the Engineer may designate non-standard joint spacing.

Consolidate the concrete, strike off, machine finish with a vibrating or roller screed, straightedge the plastic concrete with a straightedge conforming to Section 501.02.18, and finish with a burlap drag and broom finish. Cure according to Section 501.03.15. Provide positive drainage upon completion of construction.

I. Final Dressing Clean Up and Seeding and Protection. After all work is completed, remove all waste and debris from the job site. Grade all disturbed areas to blend with the adjacent roadway features and to provide a suitable seed bed. Perform Class A Final dressing on all disturbed areas. Seed and protect all disturbed earthen areas according to the Special Notes for Erosion Control Plan.

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J. Restoration. Be responsible for all damage to public and/or private property resulting from the work. Restore any roadway features or private property disturbed by the work or the Contractor's operations in like kind materials and design as approved by the Engineer and the property owner(s).

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

L. Caution. Consider information in this proposal and the types and quantities of work listed to be approximate only and do not take as an accurate or complete evaluation of the materials and conditions to be encountered during construction. The bidder must draw his own conclusion as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation or time extension if the conditions encountered are not in accordance with the information shown.

M. Property Damage. Be responsible for all damage to public and/or private property resulting from the work. Restore damaged roadway features and private property at no additional cost to the Department.

O. Coordination with Utility Companies. Locate all underground, above ground and overhead utilities prior to beginning construction. Be responsible for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. Do not disturb existing overhead or underground utilities. It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities. Be responsible for repairing all utility damage that occurs as a result of guardrail operations at no additional cost the Department.

P. Right-of-Way Limits. The Department has not established determined exact Right-of-Way limits. Limit work activities and operations to obvious Right-of-Way and work areas secured by the Department through Consent and Release of the adjacent property owners. Be responsible for all encroachments onto private lands.

Q. Waste. Dispose of all waste off the right-of-way at approved sites obtained by the Contractor at no additional cost to the Department. See Special Notes for Waste and Borrow.

R. Final Dressing, Clean Up, and Seeding and Protection. Apply Class A Final Dressing to all disturbed areas, both on and off the Right-of-Way. Sow all disturbed earthen areas according to the Special Note for Erosion Control.

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IV. METHOD OF MEASUREMENT

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

B. Site Preparation. The Department will measure Site Preparation as one Lump Sum.

C. Foundation Preparation. See Section 603.04.06, except the Department will not measure Structure Excavation and removal of unsuitable foundation material and will consider them incidental to this bid item.

D. Erosion Control. See Erosion control Plan

E. DGA. See Special Note for Full Depth Concrete Pavement Repair 11J.

F. Remove Pavement. See Special Note for Full Depth Concrete Pavement Repair 11J.

G. JPC Pavement-9 Inch. See Special Note for Full Depth Concrete Pavement Repair 11J, except the Department will measure the actual pavement areas.

H. Remove Pipe. The Department will measure removed pipe in linear feet.

I. Storm Sewer Pipe. See Section 701.04.01.

J. Remove Box Inlets and Manhole. The Department will measure Box Inlets and Manholes Removed in individual units Each.

K. Box Inlets and Manhole. See Section 710.04.

V. BASIS OF PAYMENT.

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

B. Site Preparation. Accept payment at the Contract lump sum price as full compensation for all for all materials, labor, equipment and incidentals for site preparation, including but not limited to saw cutting and removing pavement and curb; clearing and grubbing, and incidental excavation and backfilling; removal of existing pipe, box inlets, manhole, and any obstructions or items; restoration of pavements, slopes, and all disturbed areas; final dressing and cleanup; and disposal of materials.

C. Erosion Control. See Erosion control Plan.

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D. Foundation Preparation. Accept payment at the Contract Lump Sum price as full compensation for all materials, labor, equipment, and incidentals for preparing a suitable foundation.

E. DGA. See Special Note for Full Depth Concrete Pavement Repair 11J.

F. Remove Pavement. See Special Note for Full Depth Concrete Pavement Repair 11J.

G. JPC Pavement-9 Inch. See Special Note for Full Depth Concrete Pavement Repair 11J, except the Department will measure the actual pavement areas.

H. Remove Pipe. Accept payment at the Contract unit price per linear foot as full compensation for all materials, labor, equipment and incidentals for removing and disposing of pipe.

I. Storm Sewer Pipe. See Section 701.04.01.

J. Remove Box Inlets and Manhole. Accept payment at the Contract unit price each as full compensation for all materials, labor, equipment, and incidentals for removing box inlets and manholes; delivery of castings, lids, and frames to the Campbell County Maintenance Facility, and disposing of waste.

K. Box Inlets and Manhole. See Section 710.04.

SPECIAL NOTE FOR STAKING

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

- 1. Perform the staking items ordinarily performed by the Engineer; and
- 2. Design a suitable Foundation Preparation for the box inlets and manhole; and
- 3. Prepare culvert section, plan, and elevations to provide proper alignment of culvert and drainage structures with stream channels and the roadway and provide positive drainage upon completion of construction; and
- 4. Establish pavement profiles and typical section slopes to insure positive drainage upon completion of the work; and
- 5. Determine superelevation, curve widening, crown, pavement transitions and tapers, and intersection details to align the pavement restoration to match existing roadway alignment and curvature as required by the work and to insure positive drainage upon completion of the work; and
- 6. Obtain the Engineer's approval of all plans and details to be developed and furnished by the Contractor prior to incorporating into the work; and
- 7. Produce and furnish the Engineer "As Built" plans; and
- 8. Perform any and all other staking operations required to control and construct the work.

SPECIAL PROVISION FOR WASTE AND BORROW SITES

Obtain U.S. Army Corps of Engineer's approval before utilizing a waste or borrow site that involves "Waters of the United States". The Corps of Engineers defines "Waters of the United States" as perennial or intermittent streams, ponds or wetlands. The Corps of Engineers also considers ephemeral streams, typically dry except during rainfall but having a defined drainage channel, to be jurisdictional waters. Direct questions concerning any potential impacts to "Waters of the United States" to the attention of the appropriate District Office for the Corps of Engineers for a determination prior to disturbance. Be responsible for any fees associated with obtaining approval for waste and borrow sites from the U.S. Army Corps of Engineer or other appropriate regulatory agencies.

1-296 Waste & Borrow Sites 01/02/2012

COORDINATION OF WORK WITH OTHERS

Be advised, there may be active project(s) adjacent to or within this project. These may be KYTC administered contracts, work being performed as part of a KYTC issued encroachment permit, or work being performed by Department forces. See Sections 105.06, 107.06 and 107.14 of the 2019 Standard Specifications.

The Department will install a pipe liner in the existing pipe that is to remain in place connecting to the proposed pipe to be installed. This work will be accomplished by state forces and/or master agreements. The Engineer will coordinate the work of the Contractor, the Department's Forces, and the master agreement Vendor.

TRAFFIC CONTROL PLAN

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

TRAFFIC CONTROL GENERAL

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

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

PROJECT PHASING & CONSTRUCTION PROCEDURES

Maintain one lane of traffic northbound at all times during construction. Provide a minimum clear lane width of ten (10) feet; however, provide for passage of vehicles of up to 16 feet in width. If traffic should be stopped due to construction operations, and a school bus on an official run arrives on the scene, make provisions for the passage of the bus as quickly as possible.

The Department will allow night work on this project. Obtain the Engineer's approval of the method of lighting prior to performing night work.

Take these restrictions into account in submitting bid. The Department will not consider any claims for money or grant contract time extensions for any delays to the Contractor as a result of these restrictions.

LANE CLOSURES

Do not leave lane closures in place during non-working hours.

SIGNS

The Engineer may require additional signing and/or traffic control devices in addition to the items shown on the Standard Drawings. Sign posts and splices shall be compliant with NCHRP 350 or MASH. Manufacturer's documentation validating this compliance shall be provided to the Engineer prior to installation. Signs, including any splices, shall be installed according to

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manufacturer's specifications and installation recommendations. Contrary to section 112.04.02, the Department will measure only long term signs (signs intended to be continuously in place for more than 3 days) for payment. The Department will not measure; short term signs (signs intended to be left in place for 3 days or less) for payment, but shall be incidental to Maintain and Control Traffic. Contrary to Section 112.04.02, the Department will measure individual signs only once for payment, regardless of how many times they are erected or relocated. The Department will not measure replacements for damaged signs directed by the Engineer to be replaced due to poor condition or reflectivity.

CHANGEABLE MESSAGE SIGNS

Provide changeable message signs in advance of and within the project at locations determined by the Engineer. If work is in progress concurrently in both directions or if more than one lane closure is in place in the same direction of travel, provide additional changeable message signs as directed by the Engineer. Place changeable message signs one mile in advance of the anticipated queue at each lane closure. As the actual queue lengthens and/or shortens, relocate or provide additional changeable message signs so that traffic has warning of slowed or stopped traffic at least one mile but not more than two miles before reaching the end of the actual queue. The Engineer may vary the designated locations as the work progresses. The Engineer will determine the messages to be displayed. In the event of damage or mechanical/electrical failure, repair or replace the Changeable Message Sign within 24 hours. The Department will measure for payment the maximum number of Changeable Message Signs in concurrent use at the same time on a single day on all sections of the contract. The Department will measure individual Changeable Message Signs only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. The Department will not measure replacements for damaged Changeable Message Signs or for signs the Engineer directs be replaced due to poor condition or readability. Retain possession of the Changeable Message Signs upon completion of the work.

ARROW PANELS

Use arrow panels as shown on the Standard Drawings or as directed by the Engineer. The Department will measure for payment the maximum number of arrow panels in concurrent use at the same time on a single day on all sections of the contract. The Department will measure for payment the maximum number of Changeable Message Signs in concurrent use at the same time on a single day on all sections of the contract. The Department will measure individual Arrow Panels only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. The Department will not measure replacements for damaged Arrow Panels or for panels signs the Engineer directs be replaced due to poor condition or readability for payment. Retain possession of the Arrow Panels upon completion of the work.

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BARRICADES

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

The Department will measure barricades used to protect pavement removal areas in individual units Each. The Department will measure for payment the maximum number of barricades in concurrent use at the same time on a single day on all sections of the contract. The Department will measure individual barricades only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. The Department will not measure replacements for damaged barricades the Engineer directs to be replaced due to poor condition or reflectivity. Retain possession of the Barricades upon completion of the work.

PAVEMENT MARKINGS

Install Temporary Striping according to Section 112 with the following exceptions:

- 1. Include edge lines in Temporary Striping; and
- 2. Use an approved removable lane tape; however, the Department will not measure removable lane tape for separate payment, but shall be incidental to Maintain and Control Traffic.

PAVEMENT EDGE DROP-OFFS

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

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

Less than 2" - No protection required.

2" to 4" - Place plastic drums, vertical panels, or barricades every 50 feet. During daylight working hours only, the Engineer will allow the Contractor to use cones in lieu of plastic drums, panels, and barricades. Wedge the drop-off with DGA or asphalt mixture for leveling and wedging with a 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours, when work is not active in the drop-off area.

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

Pedestrians & Bicycles - Protect pedestrian and bicycle traffic as directed by the engineer.

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USE AND PLACEMENT OF CHANGEABLE MESSAGE SIGNS

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

Application

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

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

CMS should not be used for:

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

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<u>Messages</u>

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

- Visible for at least ¹/₂ mile under ideal daytime and nighttime conditions
- Legible from all lanes a minimum of 650 feet
- Entire message readable twice while traveling at the posted speed
- Nor more than two message panels should be used (three panels may be used on roadways where vehicles are traveling less than 45 mph). A panel is the message that fits on the face of the sign without flipping or scrolling.
- Each panel should convey a single thought; short and concise
- Do not use two unrelated panels on a sign
- Do not use the sign for two unrelated messages
- Should not scroll text horizontally or vertically
- Should not contain both the words left and right
- Use standardized abbreviations and messages
- Should be accurate and timely
- Avoid filler/unnecessary words and periods (hazardous, a, an, the)
- Avoid use of speed limits
- Use words (not numbers) for dates

<u>Placement</u>

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

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

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Standard Abbreviations

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

| Word | Abbrev. | Example |
|---------------------|------------|----------------------------------|
| Access | ACCS | ACCIDENT AHEAD/USE ACCS RD |
| | | NEXT RIGHT |
| Alternate | ALT | ACCIDENT AHEAD/USE ALT RTE |
| | | NEXT RIGHT |
| Avenue | AVE | FIFTH AVE CLOSED/DETOUR |
| | | NEXT LEFT |
| Blocked | BLKD | FIFTH AVE BLKD/MERGE LEFT |
| Boulevard | BLVD | MAIN BLVD CLOSED/USE ALT RTE |
| Bridge | BRDG | SMITH BRDG CLOSED/USE ALT RTE |
| Cardinal Directions | N, S, E, W | N I75 CLOSED/ DETOUR EXIT 30 |
| Center | CNTR | CNTR LANE CLOSED/MERGE LEFT |
| Commercial | COMM | OVRSZ COMM VEH/USE I275 |
| Condition | COND | ICY COND POSSIBLE |
| Congested | CONG | HVY CONG NEXT 3 MI |
| Construction | CONST | CONST WORK AHEAD/EXPECT |
| | | DELAYS |
| Downtown | DWNTN | DWNTN TRAF USE EX 40 |
| Eastbound | E-BND | E-BND I64 CLOSED/DETOUR |
| | | EXIT 20 |
| Emergency | EMER | EMER VEH AHEAD/PREPARE TO STOP |
| Entrance, Enter | EX, EXT | DWNTN TRAF USE EX 40 |
| Expressway | EXPWY | WTRSN EXPWY CLOSED/DETOUR |
| | | EXIT 10 |
| Freeway | FRWY, FWY | GN SYNDR FWY CLOSED/DETOUR |
| | | EXIT 15 |
| Hazardous Materials | HAZMAT | HAZMAT IN ROADWAY/ALL TRAF |
| | | EXIT 25 |
| Highway | HWY | ACCIDENT ON AA HWY/EXPECT |
| | | DELAYS |
| Hour | HR | ACCIDENT ON AA HWY/2 HR |
| | | DELAY |
| Information | INFO | TRAF INFO TUNE TO 1240 AM |
| Interstate | Ι | E-BND I64 CLOSED/DETOUR |
| | | EXIT 20 |
| Lane | LN | LN CLOSED/MERGE LEFT |
| Left | LFT | LANE CLOSED/MERGE LFT |
| Local | LOC | LOC TRAF USE ALT RTE |
| Maintenance | MAINT | MAINT WRK ON BRDG/SLOW |
| Major | MAJ | MAJ DELWAYS I75/USE ALT RTE |
| | | |

Traffic Control Plan Page 8 of 10

| Mile | MI | ACCIDENT 3 MI AHEAD/ USE ALT RTE |
|------------|-------|---------------------------------------|
| Minor | MNR | ACCIDENT 3 MI MNR DELAY |
| Minutes | MIN | ACCIDENT 3 MI/30 MIN DELAY |
| Northbound | N-BND | N-BND I75 CLOSED/ DETOUR EXIT 50 |
| Oversized | OVRSZ | OVRSZ COMM VEH/USE 1275 NEXT RIGHT |
| Parking | PKING | EVENT PKING NEXT RGT |
| Parkway | PKWY | CUM PKWAY TRAF/DETOUR |
| | | EXIT 60 |
| Prepare | PREP | ACCIDENT 3 MIL/PREP TO STOP |
| Right | RGT | EVENT PKING NEXT RGT |
| Road | RD | HAZMAT IN RD/ALL TRAF EXIT 25 |
| Roadwork | RDWK | RDWK NEXT 4 MI/POSSIBLE |
| | | DELAYS |
| Route | RTE | MAJ DELAYS I75/USE ALT RTE |
| Shoulder | SHLDR | SHLDR CLOSED NEXT 5 MI |
| Slippery | SLIP | SLIP COND POSSIBLE/ SLOW SPD |
| Southbound | S-BND | S-BND I75 CLOSED/DETOUR EXIT 50 |
| Speed | SPD | SLIP COND POSSIBLE/ SLOW SPD |
| Street | STE | MAIN ST CLOSED/USE ALT RTE |
| Traffic | TRAF | CUM PKWAY TRAF/DETOUR |
| ITuille | | EXIT 60 |
| Vehicle | VEH | OVRSZ COMM VEH/USE I275 |
| | | NEXT RIGHT |
| Westbound | W-BND | W-BND I64 CLOSED/DETOUR |
| | | EXIT 50 |
| Work | WRK | CONST WRK 2MI/POSSIBLE |
| | | DELAYS |

Certain abbreviations are prone to inviting confusion because another word is abbreviated or could be abbreviated in the same way. DO NO USE THESE ABBREVIATIONS.

| <u>Abbrev.</u> | Intended Word | Word Erroneously Given |
|----------------|-------------------|------------------------|
| ACC | Accident | Access (Road) |
| CLRS | Clears | Colors |
| DLY | Delay | Daily |
| FDR | Feeder | Federal |
| L | Left | Lane (merge) |
| LOC | Local | Location |
| LT | Light (traffic) | Left |
| PARK | Parking | Park |
| POLL | Pollution (index) | Poll |
| RED | Reduce | Red |
| STAD | Stadium | Standard |

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> TEMP WRNG

Temporary Warning Temperature Wrong

TYPICAL MESSAGES

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

| Reason/ProblemACCIDENTACCIDENT/XX MILESXX ROAD CLOSEDXX EXIT CLOSEDBRIDGE CLOSEDBRIDGE/(SLIPPERY, ICE, ETC.)CENTER/LANE/CLOSEDDELAY(S), MAJOR/DELAYSDEBRIS AHEADDENSE FOGDISABLED/VEHICLEEMER/VEHICLES/ONLYEVENT PARKINGEXIT XX CLOSEDFLAGGER XX MILESFOG XX MILESFOG XX MILESFREEWAY CLOSEDFRESH OILHAZMAT SPILLICEINCIDENT AHEADLANES (NARROW, SHIFT, MERGE, ETC.)LEFT LANE CLOSED | Action ALL TRAFFIC EXIT RT AVOID DELAY USE XX CONSIDER ALT ROUTE DETOUR DETOUR XX MILES DO NOT PASS EXPECT DELAYS FOLLOW ALT ROUTE KEEP LEFT KEEP RIGHT MERGE XX MILES MERGE LEFT MERGE RIGHT ONE-WAY TRAFFIC PASS TO LEFT PASS TO RIGHT PREPARE TO STOP REDUCE SPEED SLOW SLOW DOWN STAY IN LANE STOP AHEAD STOP XX MILES |
|--|---|
| ICE | SLOW DOWN |
| LANES (NARROW, SHIFT, MERGE, ETC.) | STOP AHEAD |

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> PEOPLE CROSSING RAMP CLOSED RAMP (SLIPPERY, ICE, ETC.) **RIGHT LANE CLOSED RIGHT LANE NARROWS RIGHT SHOULDER CLOSED** ROAD CLOSED ROAD CLOSED XX MILES ROAD (SLIPPERY, ICE, ETC.) ROAD WORK ROAD WORK (OR CONSTRUCTION) (TONIGHT, TODAY, TOMORROW, DATE) ROAD WORK XX MILES SHOULDER (SLIPPERY, ICE, SOFT, BLOCKED, ETC.) NEW SIGNAL XX MILES SLOW 1 (OR 2) - WAY TRAFFIC SOFT SHOULDER STALLED VEHICLES AHEAD TRAFFIC BACKUP TRAFFIC SLOWS TRUCK CROSSING TRUCKS ENTERING TOW TRUCK AHEAD **UNEVEN LANES** WATER ON ROAD WET PAINT WORK ZONE XX MILES WORKERS AHEAD

SPECIAL NOTE FOR EROSION CONTROL

I. DESCRIPTION

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

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

II. MATERIALS

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

III. CONSTRUCTION

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

Erosion Control Page 2 of 4

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

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

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

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

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

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.

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Channel Lining. The Department will measure Channel Lining according to Sections 703.04.04.

Erosion Control. Contrary to Sections 212.04, 213.04, and 703.04 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; Temporary Ditches and clean Temporary Ditches; Geotextile Fabric, and all other erosion and water pollution control items required by the BMP or the Engineer, but shall be incidental to 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.

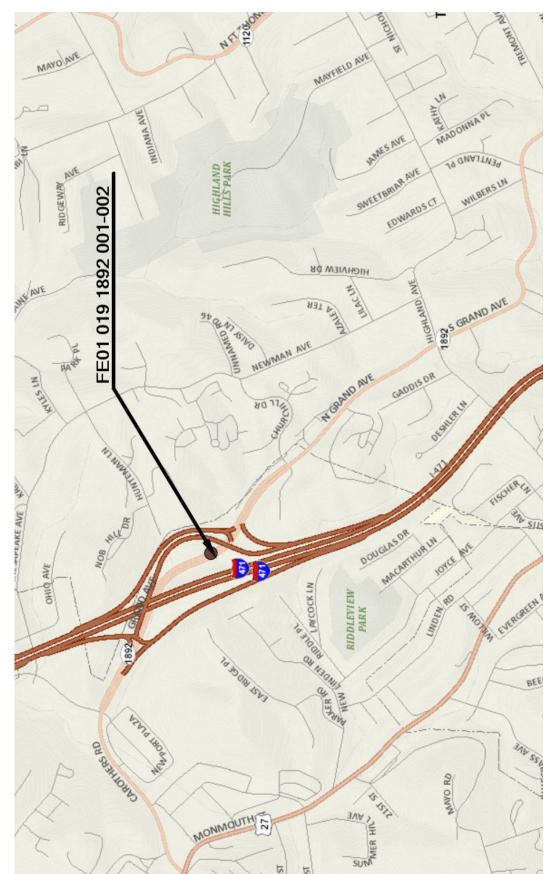
Sodding. If not listed as a bid item, but required by the BMP, the Department will pay for Sodding as Extra Work according to Sections 104.03 and 109.04.

Channel Lining. The Department will pay for Channel Lining as according to Section 703.05.

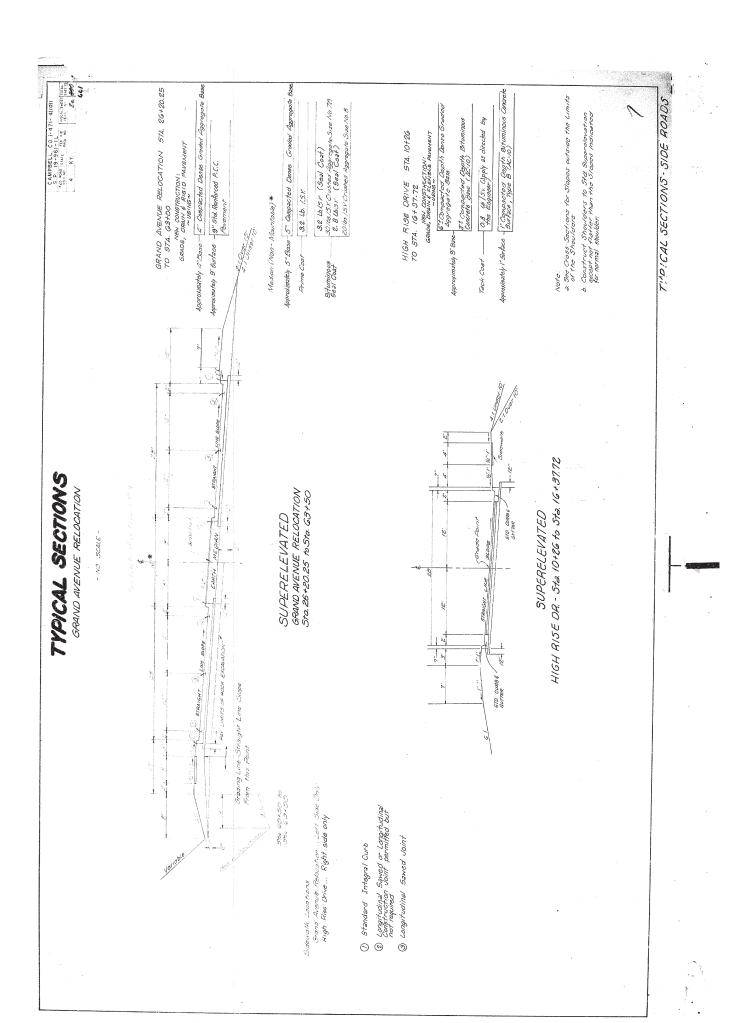
Erosion Control. Contrary to Sections 212.05 and 213.05, other than Erosion Control Blanket, Sodding, and Channel Lining, payment at the Contract lump sum price for Erosion Control, shall be full compensation for all materials, equipment, labor and incidentals necessary to complete the erosion and water 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-RI 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

Erosion Control Page 4 of 4

Type "B"; Silt Trap Type "C" and Clean Silt Trap Type "C"; Temporary Silt Fence and Clean Temporary Silt Fence; Plants, Vines, Shrubs, and Trees; Gabion and Dumped Stone Deflectors and Riffle Structures; Boulders; Temporary Ditches and clean Temporary Ditches; Geotextile Fabric and all other erosion and water pollution control items required by the BMP or the Engineer.

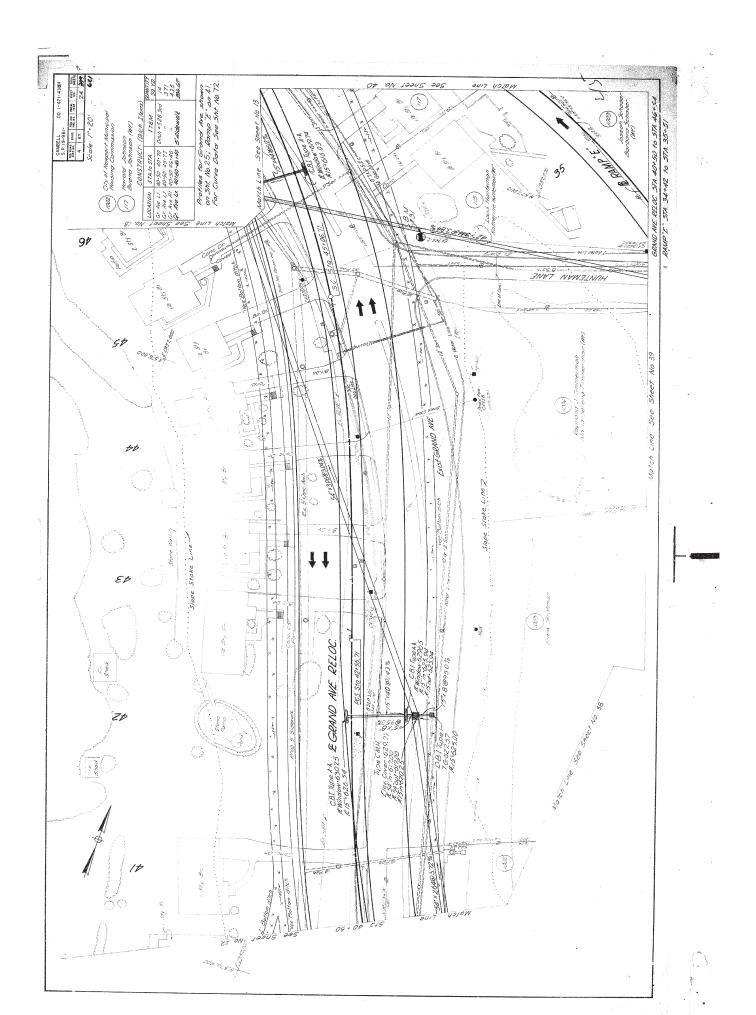


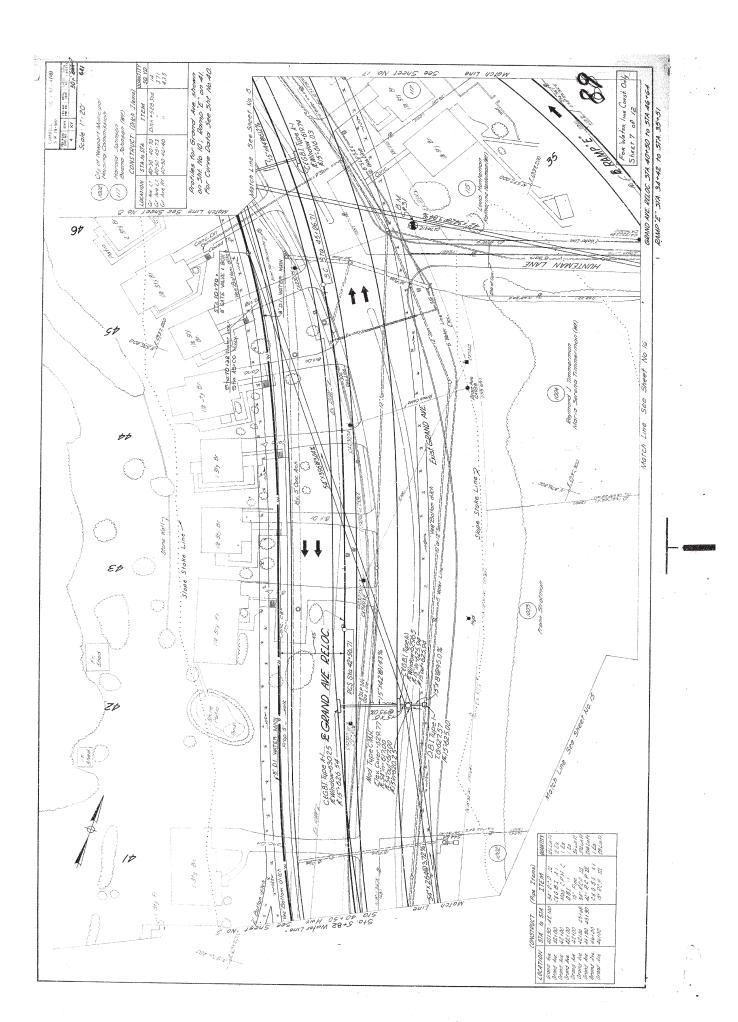
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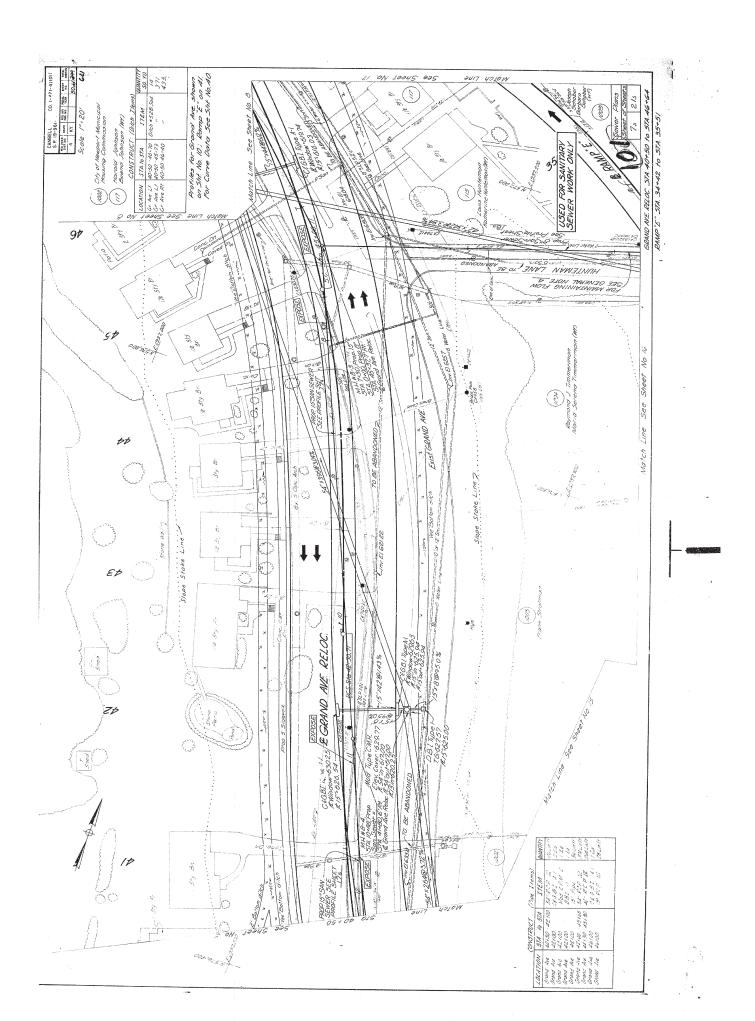


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PART II

SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

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

SUPPLEMENTAL SPECIFICATIONS

The contractor shall use the Supplemental Specifications that are effective at the time of letting. The Supplemental Specifications can be found at the following link:

http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx

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.
- 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/⇒⇒⇒/ /KEEP/LEFT/⇐⇐⇐/ /LOOSE/GRAVEL/AHEAD/ /RD WORK/NEXT/**MILES/ /TWO WAY/TRAFFIC/AHEAD/ /PAINT/CREW/AHEAD/ /REDUCE/SPEED/**MPH/ /BRIDGE/WORK/***0 FT/ /MAX/SPEED/**MPH/ /SURVEY/PARTY/AHEAD/ /MIN/SPEED/**MPH/ /ICY/BRIDGE/AHEAD/ /ONE LANE/BRIDGE/AHEAD/ /ROUGH/ROAD/AHEAD/ /MERGING/TRAFFIC/AHEAD/ /NEXT/***/MILES/ /HEAVY/TRAFFIC/AHEAD/ /SPEED/LIMIT/**MPH/ /BUMP/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.
- 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:

CodePay Item02671Portable Changeable Message Sign

Effective June 15, 2012

Pay Unit

Each

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SPECIAL NOTE FOR FULL DEPTH CONCRETE PAVEMENT REPAIR

This Special Note applies to full depth repairs of concrete pavement. Section references herein are to the Department's Standard Specifications for Road and Bridge Construction, current edition.

1.0 DESCRIPTION. Remove and replace concrete pavement. Comply with the applicable Standard Drawings and the Standard Specifications except as specifically superseded herein.

2.0 MATERIALS AND EQUIPMENT.

2.1 JPC Pavement. Test concrete materials according to section 601.03.03. Conform to 501, 502, and 601 except that the concrete must achieve 3000 psi in accordance with Section 4.4 of this note. The Engineer may allow pavement to be opened to traffic at less than 3,000 psi subject to the deductions described in Section 4.4 of this note.

2.2 Dowel Bars and Sleeves. Conform to 811.

2.3 Tie Bars. Conform to Section 811. Use epoxy coated tie bars in longitudinal and transverse joints.

2.4 Joint Sealants. Conform to Subsection 807.03.01 or 807.03.05.

2.5 Grout Adhesives and Epoxy Resin Systems. Conform to Section 826.

2.6 Dense Graded Aggregate (DGA) and Crushed Stone Base (CSB). Conform to Section 805.

2.7 Geotextile Fabric. Conform to Section 843.

2.8 Drills. Drill holes using a gang drill, capable of drilling a minimum of four simultaneously. Misalignment of holes shall not exceed 1/4 inch in the vertical or oblique plane.

2.9 Hammers. Only use chisel point hammers weighing less than 40 pounds to remove deteriorated concrete.

3.0 CONSTRUCTION.

3.1 Removal of Existing Pavement. Remove existing pavement to the extent the Contract specifies or as the Engineer directs. The minimum length of patches measured along centerline is 3 feet on each side of an existing joint.

When working with pavements with non-skewed transverse joints, if it is necessary to remove existing pavement closer than 6 feet to a transverse joint, remove the pavement 3 feet beyond that joint.

When working with pavements with skewed transverse joints, if it is necessary to remove existing pavement closer than 3 feet to a transverse joint, remove the pavement 3 feet beyond that joint.

Details of configurations of pavement and joints for various situations are depicted in the drawings herein.

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When small areas of removal and replacement are performed at bridge ends, maintain or reconstruct existing expansion joints at their existing location. When the Engineer determines extensive full width removal and replacement is required, construct new expansion joints at the locations shown on Standard Drawing No. RPN-010.

In the removal operation, make a full depth saw cut longitudinally along the centerline joint and shoulder joint and transversely along the area marked for removal. To prevent damage to the subbase, do not allow the saw to penetrate more than ¹/₂" into the subbase. The Engineer may direct or approve additional cuts within the removal area for ease of removal of the damaged slab and to prevent damage to adjacent pavement to remain in place. Do not overcut beyond the limits of the removal area. Prevent saw slurry from entering existing joints and cracks. To avoid pumping and erosion beneath the slab, do not allow traffic on sawed pavement for more than 48 hours before beginning removal procedures, unless directed by the Engineer.

Lift out the deteriorated concrete vertically with lift pins. If approved by the Engineer, use other methods that do not damage the base, shoulder, or sides of pavement that is to be left in place. If any damage does occur, repair as the Engineer directs and use an acceptable alternative method for the removal process. Do not damage the pavement base during these operations.

3.2 Pavement Replacement. Do not damage the pavement base during these operations.

3.2.1 Preparation of Base. Compact the new and existing aggregate base to the Engineer's satisfaction. The Engineer will accept compaction by either visual inspection or by nuclear gauge. When the Engineer deems it necessary to stabilize the existing base or replace unsuitable materials, excluding bridge ends, use 12 inches of geotextile fabric wrapped No. 2 aggregate topped with 4 inches of DGA or CSB. Use either Type III or Type IV geotextile fabric. Flowable fill and cement stabilization may be used as an alternative to stabilize the existing base or to replace unsuitable materials when a plan for such is presented to and approved by the Engineer. The Engineer may also direct using only DGA or CSB to correct base deficiencies. At bridge ends, treat existing base and subgrade as the Contract specifies. During compaction, wet the base as the Engineer directs. Compact areas not accessible to compaction equipment by hand tamping.

3.2.2 Underdrains. Construct, or repair damage to, pavement edge drains according to Section 704. If underdrains are placed omitting areas to be patched, construct additional lateral drains as necessary to provide outlets for the installed underdrain until performing the pavement replacement and completing the underdrain system. Provide drainage for any undercut or base repair areas.

3.2.3 Pavement Replacement. Using load transfer assemblies for dowel joints drill into the existing slab according to the details shown herein and on the Standard Drawings.

Use plain epoxy coated dowels of the size specified on the standard drawings based on the pavement thickness for contraction and expansion joints.

Drill holes for dowel bars and tie bars into the face of the existing slab, at a diameter as specified in the following. Drill the dowel bar holes and tie bar

holes to a depth equal to 1/2 the length of the bars. Anchor tie bars into the existing pavement using an epoxy resin. Anchor dowel bars into the existing pavement using either an epoxy resin or an adhesive grout. For tie bars and dowel bars where an epoxy resin is to be used drill the holes 1/8 inch larger than the bar diameter. For dowel bars where an adhesive grout product is to be used, drill holes 1/4 inch larger than the bar diameter. Use a clear or opaque grout retention disk in both grout and epoxy applications. Operate the equipment to prevent damage to the pavement being drilled. Obtain the Engineer's approval of the drilling procedure. Install load transfer assemblies according to the Standard Drawings and Standard Specifications.

When indicated herein or in the Standard Drawings, use 1 inch deformed tie bars, 18 inches long on 30-inch centers and starting and ending 20 inches inside the edges of the repair area in the longitudinal joint. Use 1 inch deformed tie bars, or plain epoxy coated dowel bars sized in accordance with the Standard Drawings, 18 inches long beginning 12 inches inside of each edge and on 12-inch centers in transverse construction joints.

Install the dowels and tie bars according to Section 511 unless contradicted here. Ensure the holes are dry and free of dust and debris. Use a nozzle to insert the grout or epoxy starting at the back of the drilled hole to allow for full coating of the dowel or tie bar. After placement, use a bond breaker on the section of the dowel bar that is protruding from the hole.

Mix, place, finish, and cure concrete according to Section 501 with the exception that the Department will allow truck mixing, 2-bag mixers, and hand finishing.

When required, use a form on the side of the slab at longitudinal joints. When the adjacent traffic lane is not closed to traffic or the drop-off is not protected, temporarily fill the space between the form and the adjacent pavement with DGA. After placing the slab, remove the DGA and form. Fill the hole with concrete and thoroughly consolidate by rodding, spading, and sufficient vibration to form a dense homogeneous mass. Use a form on the side of the slab adjacent to shoulders. Excavate and backfill as shown on Section F'-F'.

For patches less than 25 feet in length, use a bond breaker and do not install tie bars at the longitudinal joint. Bond breakers should not exceed 1/8 inch in thickness, e.g. tar paper.

When resurfacing is required, a float finish is satisfactory. Otherwise, broom finish or, when the adjacent surface has a grooved finish, texture the surface according to Subsection 501.03.13 H). Finish the surface, including joints, to meet a surface tolerance of 1/8 inch in 10 feet that will be verified by straightedge. Cure the pavement and apply curing membranes according to 501.03.15.

Keep all pavement surfaces adjacent to this operation reasonably clean of excess grout and other materials at all times. Maintain all original longitudinal joints. Place transverse joints according to the details shown herein and on the Standard Drawings.

3.3 Joint Sealing. Seal all new or partially new joints with silicone rubber sealant or hot-poured elastic joint sealant according to Subsection 501.03.18.4.0 MEASUREMENT.

4.1 Remove JPC Pavement. The Department will measure the quantity in square yards of surface area. The Department will not measure removal of

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underlying base material for payment and will consider it incidental to Remove JPC Pavement.

4.2 DGA or CSB. The Department will measure the quantity used to stabilize the existing base or to replace unsuitable material in tons. The Department will not measure removal of existing base material or underlying material for payment and will consider incidental to DGA or CSB. The quantity of DGA used for the drop-off protection shall be incidental to this work and will not be measured for payment.

4.3 JPC Pavement Non-Reinforced. The Department will measure according to 501.04.01. The Department will not measure dowels, tie bars, or joint sealing for payment and will consider it incidental to Non-Reinforced JPC Pavement.

JPC Pavement will be paid according to section 5.0 below and according to the following payment schedule based on the compressive strength. The cylinders for payment will be tested two hours prior the scheduled opening of traffic.

| 3000 psi and up | 100% payment |
|------------------|---|
| 2750 to 3000 psi | 75% payment and approval from the Engineer to open to traffic* |
| 2500 to 2750 psi | 50% payment and approval from the Engineer to open to traffic* |
| 2250 to 2500 psi | 25% payment and approval from the Engineer to open to traffic* |
| Below 2250 psi | 10% payment and no potential to open to traffic. Maintain traffic |
| _ | closure until concrete reaches a minimum of 2250 psi. |

*If the Engineer approves opening to traffic, the Engineer will evaluate the concrete at 28 days (or sooner) to determine if the removal and replacement of the concrete is necessary due to pavement distress induced by the early opening (i.e. noticeable cracking). If required by the Engineer, remove and replace those slabs showing distress at no cost to the Department.

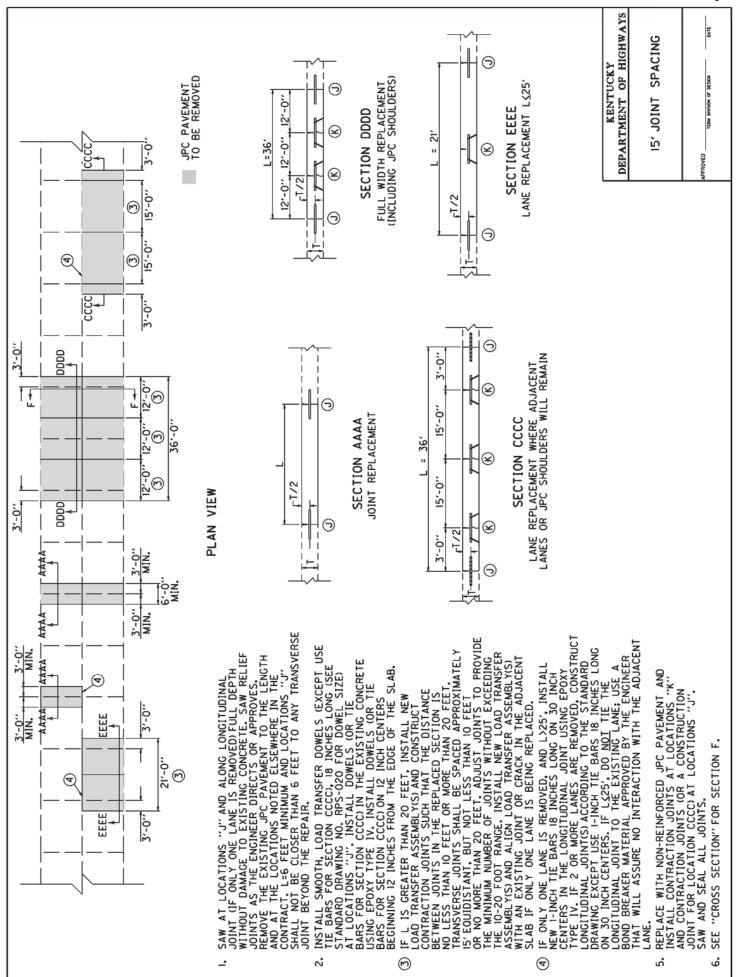
4.4 Underdrains. The Department will measure the quantity according to Subsection 704.04. The Department will not measure lateral drains for payment and will consider them incidental to the Underdrains.

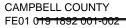
5.0 PAYMENT. The Department will make payment for the completed and accepted quantities under the following:

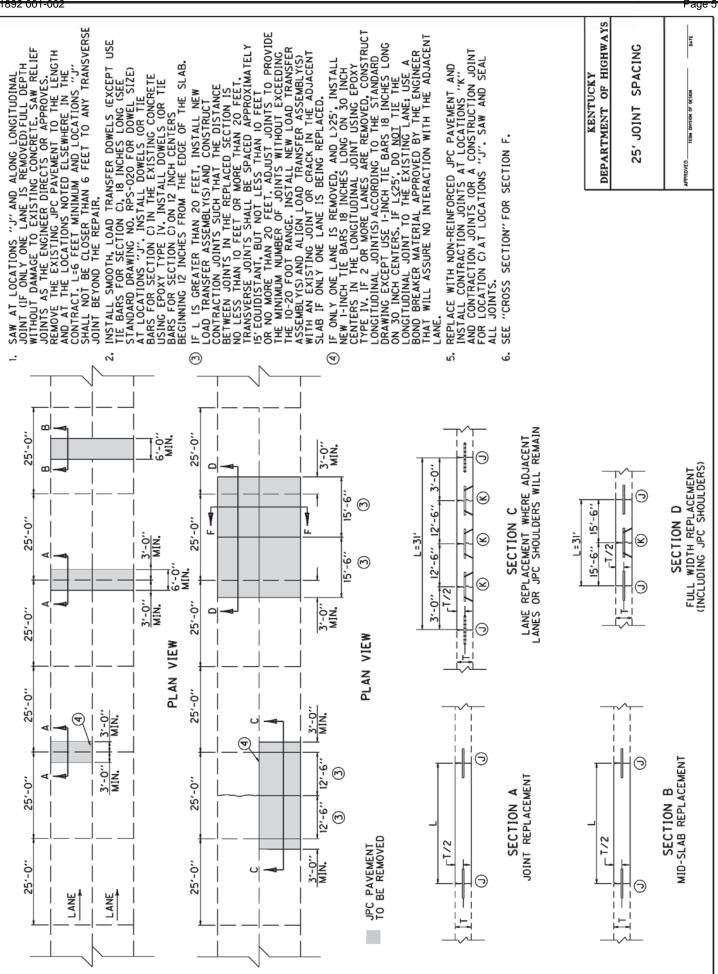
| Code | Pay Item | Pay Unit |
|---------------------|------------------------------|-----------------------|
| | Remove JPC Pavement | Square Yard |
| 00001 | DGA Base | Ton |
| 00003 | Crushed Stone Base | Ton |
| 02069-02071, 02073, | JPC Pavement Non-Reinforced, | |
| 02075, 02084, | thickness | See Subsection 501.05 |
| 02086, 02088 | | |
| 01000 | Perforated Pipe, 4-inch | Linear Foot |
| 02598, 02599 | Fabric-Geotextile, Type | Square Yard |
| | | |

The Department will consider payment as full compensation for all work required in this provision.

June 15, 2012

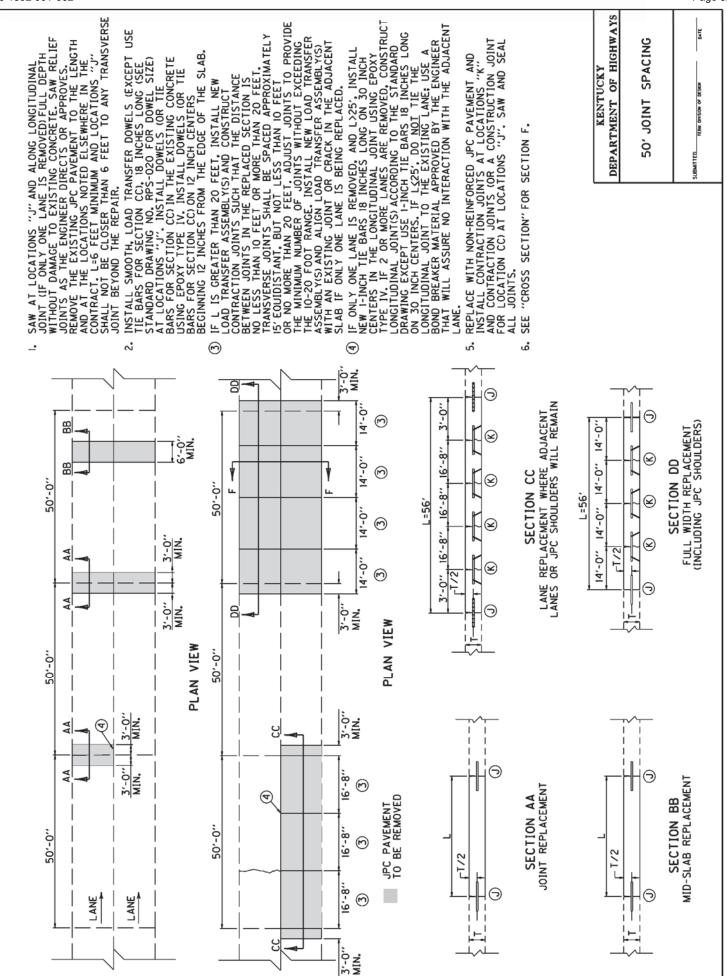




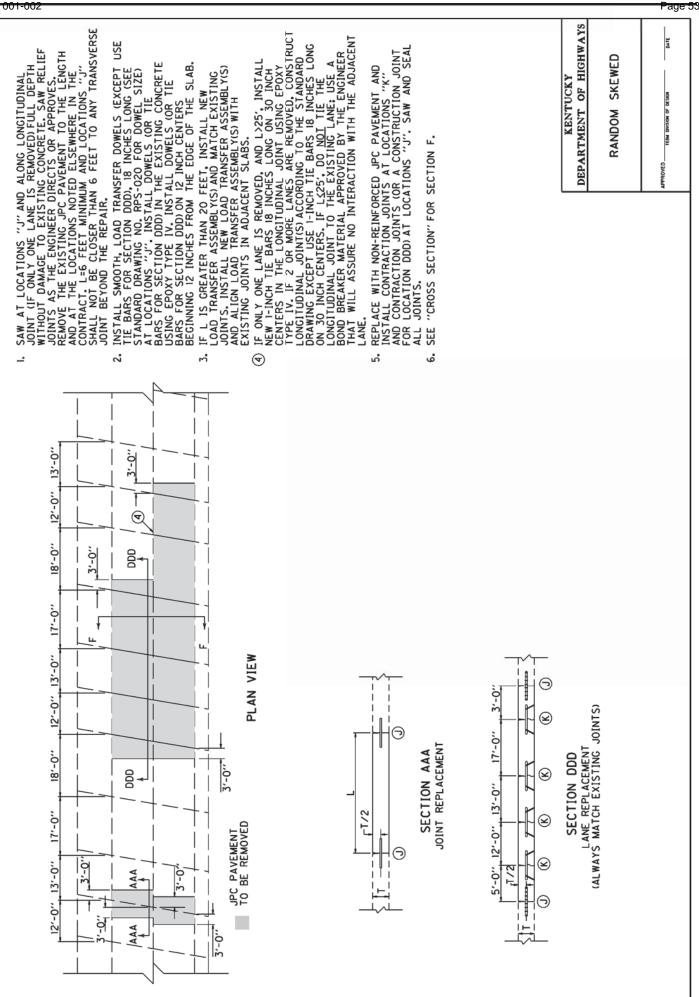


Contract ID: 192422 **age 51** of 63

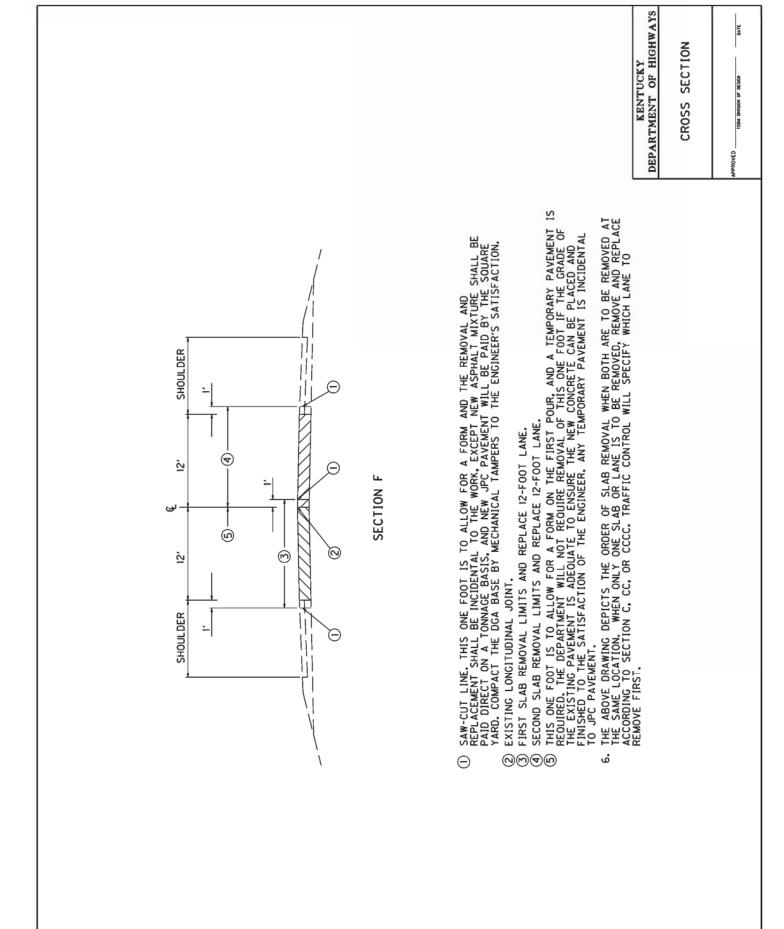
CAMPBELL COUNTY FE01 019 1892 001-002



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CAMPBELL COUNTY FE01 019 1892 001-002 Contract ID: 192422

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2016 APPLICABLE KENTUCKY STANDARD DRAWINGS

| DROP BOX INLET TYPE 1 | PDP 001 12 |
|---|------------|
| CURB BOX INLET TYPE A (DETAIL DRAWING) | RDB-270-09 |
| CURB BOX INLET TYPE A (STEEL DRAWING) | |
| CURB BOX INLET TYPE A (TOP PHASE TABLE) | |
| CURB BOX INLET TYPE A (DETAIL & BAR CHART FOR 8" LID) | |
| CHANNEL LINING CLASS II AND III | |
| CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS | |
| CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS | |
| PIPE BEDDING FOR CULVERTS, ENTRANCE AND STORM SEWER PIPE | |
| PIPE BEDDING FOR CULVERTS, ENTRANCE AND STORM SEWER REINFORCED CONC | |
| PIPE BEDDING, TRENCH CONDITION. | |
| PIPE BEDDING, TRENCH CONDITION REINFORCED CONC. PIPE | |
| COATINGS, LININGS AND PAVINGS FOR NON-STRUCTURAL PLATE PIPE | |
| MANHOLE TYPE C (CHAMBER LAYOUT) | |
| MANHOLE TYPE C (TOWER APPLICATIONS) | |
| MANHOLE TYPE C (STEEL PATTERN) | |
| MANHOLE TYPE C (TABLE OF QUANTITIES) | |
| MANHOLE STEPS | |
| FRAME AND LID TYPE 1 | RDM-100-03 |
| SECURITY DEVICES FOR FRAMES, GRATES AND LIDS | |
| TEMPORARY SILT FENCE | |
| SILT TRAP - TYPE A | |
| SILT TRAP - TYPE B | |
| SILT TRAP - TYPE C | |
| SUPERELEVATION FOR MULTILANE PAVEMENT | |
| MISCELLANEOUS STANDARDS | |
| CURB AND GUTTER, CURBS AND VALLEY GUTTER | |
| APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT | |
| JOINTED PLAIN CONCRETE PAVEMENT | RPN-015-05 |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | RPN-020-04 |
| CONCRETE PAVEMENT JOINT DETAILS | RPS-010-11 |
| EXPANSION AND CONTRACTION JOINT - LOAD TRANSFER ASSEMBLIES | RPS-020-14 |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | RPS-030-06 |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | RPS-031-06 |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | RPS-034-07 |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | |
| CONCRETE PAVEMENT JOINTS - TYPES AND SPACING | |
| HOT - POURED ELASTIC JOINT SEALS FOR CONCRETE PAVEMENT | |
| LANE CLOSURE MULTI-LANE HIGHWAY CASE I | |
| PAVEMENT CONDITION WARNING SIGNS | TTD-125-02 |
| | |

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

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

I. Application

II. Nondiscrimination of Employees (KRS 344)

I. APPLICATION

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

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

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

II. NONDISCRIMINATION OF EMPLOYEES

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

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

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (forty and above); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age forty (40) and over. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment. 3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

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

Revised: January 25, 2017

EXECUTIVE BRANCH CODE OF ETHICS

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

KRS 11A.040 (7) provides:

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

KRS 11A.040 (9) states:

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

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

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

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

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

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

Revised: January 27, 2017

Kentucky Equal Employment Opportunity Act of 1978

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

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

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

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.

| UNDER T | PLOYEE RIGHTS HE FAIR LABOR STANDARDS ACT ATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION |
|---------------------------|---|
| | FEDERAL MINIMUM WAGE \$7,25 PER HOUR BEGINNING JULY 24, 2009 |
| OVERTIME PAY | At least 1^{1}_{2} times your regular rate of pay for all hours worked over 40 in a workweek. |
| CHILD LABOR | An employee must be at least 16 years old to work in most non-farm jobs and at least 18 to work in non-farm jobs declared hazardous by the Secretary of Labor. |
| | Youths 14 and 15 years old may work outside school hours in various non-manufactur- ing, non-mining, non-hazardous jobs under the following conditions: |
| | No more than 3 hours on a school day or 18 hours in a school week; 8 hours on a non-school day or 40 hours in a non-school week. |
| | Also, work may not begin before 7 a.m. or end after 7 p.m. , except from June 1 through Labor Day, when evening hours are extended to 9 p.m. Different rules apply in agricultural employment. |
| TIP CREDIT | Employers of "tipped employees" must pay a cash wage of at least \$2.13 per hour if they claim a tip credit against their minimum wage obligation. If an employee's tips combined with the employer's cash wage of at least \$2.13 per hour do not equal the minimum hourly wage, the employer must make up the difference. Certain other conditions must also be met. |
| ENFORCEMENT | The Department of Labor may recover back wages either administratively or through court action, for the employees that have been underpaid in violation of the law. Violations may result in civil or criminal action. |
| | Employers may be assessed civil money penalties of up to \$1,100 for each willful or repeated violation of the minimum wage or overtime pay provisions of the law and up to \$11,000 for each employee who is the subject of a violation of the Act's child labor provisions. In addition, a civil money penalty of up to \$50,000 may be assessed for each child labor violation that causes the death or serious injury of any minor employee, and such assessments may be doubled, up to \$100,000, when the violations are determined to be willful or repeated. The law also prohibits discriminating against or discharging workers who file a complaint or participate in any proceeding under the Act. |
| ADDITIONAL INFORMATION | Certain occupations and establishments are exempt from the minimum wage and/or overtime pay provisions. Special provisions apply to workers in American Samoa and the Commonwealth of the Northern Mariana Islands. Some state laws provide greater employee protections; employers must comply with both. The law requires employers to display this poster where employees can readily see it. Employees under 20 years of age may be paid \$4.25 per hour during their first 90 consecutive calendar days of employment with an employer. Certain full-time students, student learners, apprentices, and workers with disabilities may be paid less than the minimum wage under special certificates issued by the Department of Labor. |
| | For additional information: 1-866-4-USWAGE |

U.S. Department of Labor | Wage and Hour Division

PART IV

INSURANCE

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

PART V

BID ITEMS

192422

PROPOSAL BID ITEMS

Page 1 of 1

Report Date 10/30/19

Section: 0001 - DRAINAGE STRUCTURE REPLACEMENT

| LINE | BID CODE | ALT | DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
|------|----------|-----|---|----------|------|-----------|----|--------|
| 0010 | 00001 | | DGA BASE | 8.00 | TON | | \$ | |
| 0020 | 00521 | | STORM SEWER PIPE-15 IN | 14.00 | LF | | \$ | |
| 0030 | 01310 | | REMOVE PIPE | 14.00 | LF | | \$ | |
| 0040 | 01456 | | CURB BOX INLET TYPE A | 1.00 | EACH | | \$ | |
| 0050 | 01490 | | DROP BOX INLET TYPE 1 | 1.00 | EACH | | \$ | |
| 0060 | 01585 | | REMOVE DROP BOX INLET | 1.00 | EACH | | \$ | |
| 0070 | 01705 | | REMOVE CURB & GUTTER BOX INLET | 1.00 | EACH | | \$ | |
| 0080 | 01767 | | MANHOLE TYPE C | 1.00 | EACH | | \$ | |
| 0090 | 01787 | | REMOVE MANHOLE | 1.00 | EACH | | \$ | |
| 0100 | 01831 | | STANDARD INTEGRAL CURB MOD | 25.00 | LF | | \$ | |
| 0110 | 01904 | | REMOVE CURB (STANDARD INTEGRAL) | 25.00 | LF | | \$ | |
| 0120 | 02073 | | JPC PAVEMENT-9 IN | 35.00 | SQYD | | \$ | |
| 0130 | 02091 | | REMOVE PAVEMENT 9 INCH PCC | 35.00 | SQYD | | \$ | |
| 0140 | 02483 | | CHANNEL LINING CLASS II | 25.00 | TON | | \$ | |
| 0150 | 02726 | | STAKING | 1.00 | LS | | \$ | |
| 0160 | 02775 | | ARROW PANEL | 1.00 | EACH | | \$ | |
| 0170 | 08003 | | FOUNDATION PREPARATION | 1.00 | LS | | \$ | |
| 0180 | 20257NC | | SITE PREPARATION | 1.00 | LS | | \$ | |
| 0190 | 21415ND | | EROSION CONTROL | 1.00 | LS | | \$ | |

Section: 0002 - TRAFFIC CONTROL

| LINE | BID CODE | ALT DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
|------|----------|----------------------------------|----------|------|-----------|----|--------|
| 0200 | 02014 | BARRICADE-TYPE III | 2.00 | EACH | | \$ | |
| 0210 | 02562 | TEMPORARY SIGNS | 100.00 | SQFT | | \$ | |
| 0220 | 02650 | MAINTAIN & CONTROL TRAFFIC | 1.00 | LS | | \$ | |
| 0230 | 02671 | PORTABLE CHANGEABLE MESSAGE SIGN | 2.00 | EACH | | \$ | |

Section: 0003 - DEMOBILIZATION

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