

CALL NO. 404
CONTRACT ID. $\underline{212152}$
WEBSTER COUNTY
FED/STATE PROJECT NUMBER 117GR21P030 - FD05 \& FD04
DESCRIPTION CLAY - DIXON (KY 132)
WORK TYPE ASPHALT RESURFACING
PRIMARY COMPLETION DATE 11/15/2021

LETTING DATE: April 23,2021
Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 am EASTERN DAYLIGHT TIME April 23,2021. Bids will be publicly announced at 10:00 am EASTERN DAYLIGHT TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.
DEFERRED PAYMENT

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

## TABLE OF CONTENTS

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PART I SCOPE OF WORK
            - PROJECT(S), COMPLETION DATE(S), & LIQUIDATED DAMAGES
            - CONTRACT NOTES
            - STATE CONTRACT NOTES
            - DEFERRED PAYMENT
            - SURFACING AREAS
            - ASPHALT MIXTURE
            - DGA BASE FOR SHOULDERS
            - INCIDENTAL SURFACING
            - FUEL AND ASPHALT PAY ADJUSTMENT
            - COMPACTION OPTION B
            - SPECIAL NOTE(S) APPLICABLE TO PROJECT
            - AWARD OF CONTRACT
            - EDGE KEY (BY TON)
            - ASPHALT MILLING AND TEXTURING
            - TYPICAL SECTION DIMENSIONS
            - TRAFFIC CONTROL PLAN 2 LANE
            - SKETCH MAP(S)
            - MATERIAL SUMMARY
            - SUMMARY SHEET(S)
            - TYPICAL SECTION(S)
            - DETAIL SHEET(S)
            - GUARDRAIL DELIVERY VERIFICATION SHEET
                            - BRIDGE DETAIL FOR PAVING PROJECT
PART II SPECIFICATIONS AND STANDARD DRAWINGS
            - SPECIFICATIONS REFERENCE
                            - SUPPLEMENTAL SPECIFICATION
                            - 2020 STANDARD DRAWINGS THAT APPLY
PART III EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
- LABOR AND WAGE REQUIREMENTS
- EXECUTIVE BRANCH CODE OF ETHICS
- KENTUCKY EQUAL EMPLOYMENT OPPORTUNITY ACT OF 1978 LOCALITY / STATE
- PROJECT WAGE RATES / STATE FUNDED
PART IV INSURANCE
PART V BID ITEMS
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## PART I

## SCOPE OF WORK

## ADMINISTRATIVE DISTRICT - 02

CONTRACT ID - 212152
117GR21P030 - FD05 \& FD04
COUNTY - WEBSTER
PCN - MP11701322101
FD05 1170132 008-016
CLAY - DIXON (KY 132) (MP 8.778) BEGINNING 0.061 MILES WEST OF KY 270 EXTENDING EAST TO A POINT1.771 MILES EAST OF NAT TAYLOR ROAD. (MP 15.273), A DISTANCE OF 06.49 MILES.ASPHALT RESURFACINGGEOGRAPHIC COORDINATES LATITUDE 37:42:45.00 LONGITUDE 87:54:56.00
PCN - MP11701322102
FD04 1170132 008-016
CLAY - DIXON (KY 132) (MP 8.778) BEGINNING 0.061 MILES WEST OF KY 270 EXTENDING EAST TO A POINT1.771 MILES EAST OF NAT TAYLOR ROAD. (MP 15.273), A DISTANCE OF 06.49 MILES.BRIDGE WITH GRADE,DRAIN \& SURFACE SYP NO. 02-10019.00.
GEOGRAPHIC COORDINATES LATITUDE 37:42:45.00 LONGITUDE 87:54:56.00
COMPLETION DATE(S):
COMPLETED BY 11/15/2021

## CONTRACT NOTES

## PROPOSAL ADDENDA

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

## BID SUBMITTAL

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

## JOINT VENTURE BIDDING

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

## UNDERGROUND FACILITY DAMAGE PROTECTION

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

## REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

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

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

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

## SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

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

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

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

## HARDWOOD REMOVAL RESTRICTIONS

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

## INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

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

## ACCESS TO RECORDS

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

## 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.

## DEFERRED PAYMENT

The successful bidder on this project may request a work order with an effective date prior to June 15, 2021. The successful bidder must make the request in writing to the Department. The Department will issue a work order at the request of the contractor with the distinct understanding that payment for any Work Performed Estimates may be delayed until July 15, 2021. Unless the successful bidder requests an earlier work order date, the Department will issue a work order on June 15, 2021 for this project.

## SURFACING AREAS

The Department estimates the mainline surfacing width to be varied 22 to 25 feet.
The Department estimates the total mainline area to be surfaced to be 97,077 square yards.
The Department estimates the DGA shoulder width to be 1 foot on each side.
The Department estimates the total shoulder area to receive DGA to be 7,621 square yards.

## ASPHALT MIXTURE

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

## DGA BASE FOR SHOULDERS

Unless otherwise noted, the Department estimates the rate of application for DGA Base for Shoulders to be $115 \mathrm{lbs} / \mathrm{sy}$ per inch of depth. The Department will not measure necessary grading and/or shaping of existing shoulders prior to placing of DGA Base, but shall be incidental to the Contract unit price per ton for DGA Base.
Accept payment at the Contract unit price per ton as full compensation for all labor, materials, equipment, and incidentals for grading and/or shaping of existing shoulders and furnishing, placing, and compacting the DGA Base.

## 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.

## FUEL AND ASPHALT PAY ADJUSTMENT

The Department has included the Contract items Asphalt Adjustment and Fuel Adjustment for possible future payments at an established Contract unit price of $\$ 1.00$. The Department will calculate actual adjustment quantities after work is completed. If existing Contract amount is insufficient to pay all items on the contract with the adjustments, the Department will establish additional monies with a change order.

## 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.

## SPECIAL NOTE FOR NON-TRACKING TACK COAT

1. DESCRIPTION AND USEAGE. This specification covers the requirements and practices for applying a non-tracking tack asphalt coating. Place this material on the existing pavement course, prior to placement of a new asphalt pavement layer. Use when expedited paving is necessary or when asphalt tracking would negatively impact the surrounding area. This material is not suitable for other uses. Ensure material can "break" within 15 minutes under conditions listed in 3.2.
2. MATERIALS, EQUIPMENT, AND PERSONNEL.
2.1 Non-Tracking Tack. Provide material conforming to Subsection 2.1.1.
2.1.1 Provide a tack conforming to the following material requirements:

| Property | Specification | Test Procedure |
| :--- | :---: | :---: |
| Viscosity, SFS, $77^{\circ} \mathrm{F}$ | $20-100$ | AASHTO T 72 |
| Sieve, $\%$ | 0.3 max. | AASHTO T 59 |
| Asphalt Residue ${ }^{1}, \%$ | 50 min. | AASHTO T 59 |
| Oil Distillate, $\%$ | 1.0 max. | AASHTO T 59 |
| Residue Penetration, $77{ }^{\circ} \mathrm{F}$ | 20 max. | AASHTO T 49 |
| Original Dynamic Shear $\left(\mathrm{G}^{*} / \sin \delta\right), 82^{\circ} \mathrm{C}$ | 1.0 min. | AASHTO T 315 |
| Softening Point, ${ }^{\circ} \mathrm{F}$ | 149 min. | AASHTO T 53 |
| Solubility, $\%$ | 97.5 min. | AASHTO T 44 |

${ }^{1}$ Bring sample to $212{ }^{\circ} \mathrm{F}$ over a 10-15 minute period. Maintain $212{ }^{\circ} \mathrm{F}$ for $15-20$ minutes or until $30-40 \mathrm{~mL}$ of water has distilled. Continue distillation as specified in T59.
2.2. Equipment. Provide a distributor truck capable of heating, circulating, and spraying the tack between $170^{\circ} \mathrm{F}$ and $180^{\circ} \mathrm{F}$. Do not exceed $180^{\circ} \mathrm{F}$. Circulate the material while heating. As required by the manufacturer, ensure the spray bar is equipped with \#1 or \#2 $1 / 4 "$ V-slot Etnyre nozzles. Other nozzles are not acceptable. Arrange the nozzles in the following patterns from left to right:

| Nozzle number(s) | Activity | Orientation |  |
| :---: | :---: | :---: | :---: |
| 1 | On | Vertical |  |
| 2 | Off | - |  |
| 3 | On | Horizontal |  |
| $4 \& 5$ | Off | - |  |
| 6 | On | Horizontal |  |
|  |  |  |  |
| Continue 2 off and 1 on pattern through rest of spray bar system. |  |  |  |

Ensure the bar can be raised to between 14 and 18 " from the roadway.
2.3 Personnel. Ensure the tack supplier has provided training to the contractor on the installation procedures for this product. Make a technical representative from the supplier available at the request of the Engineer.
3. CONSTRUCTION.
3.1 Surface Preparation. Prior to the application of the non-tracking tack, ensure the pavement surface is thoroughly dry and free from dust or any other debris that would inhibit adhesion. Clean the surface by scraping, sweeping, and the use of compressed air. Ensure this preparation process occurs shortly before application to prevent the return of debris pavement. If rain is expected within one hour after application, do not apply material. Apply material only when the surface is dry, and no precipitation is expected.
3.2 Non-tracking Tack Application. Ensure the roadway temperature is a minimum of $40^{\circ} \mathrm{F}$ and rising during the application of the tack. This material is not suitable for use in colder temperatures. Prior to applying the tack, demonstrate competence in applying the tack according to this note to the satisfaction of the Engineer. Heat the tack in the distributor to between $170-180{ }^{\circ} \mathrm{F}$. After initial heating to between $170-180{ }^{\circ} \mathrm{F}$, the material may be sprayed between $165{ }^{\circ} \mathrm{F}$ and $180{ }^{\circ} \mathrm{F}$. Do not apply outside this temperature range. Apply material at a rate of 0.50 pounds ( 0.06 gallons) per square yard. Ensure full coverage of the material on the pavement surface. Full coverage of this material is critical. If full coverage is not achieved, material application rate may be increased to ensure full coverage. Do not heat material more than twice in one day.
3.3 Non-tracking Tack Certification. Furnish the tacks certification to the Engineer stating the material conforms to all requirements herein prior to use.
3.4 Sampling and Testing. The Department will require a sample of non-tracking tack be taken from the distributor at a rate of one sample per 15,000 tons of mix. Take two 1 gallon samples of the heated material and forward the sample to the Division of Materials for testing within 7 days. Ensure the product temperature is between 170 and $180^{\circ} \mathrm{F}$ at the time of sampling.
4. MEASUREMENT. The Department will measure the quantity of non-tracking tack in tons. The Department will not measure for payment any extra materials, labor, methods, equipment, or construction techniques used to satisfy the requirements of this note. The Department will not measure for payment any trial applications of non-tracking tack, the cleaning of the pavement surface, or furnishing and placing the adhesive. The Department will consider all such items incidental to the non-tracking tack.
5. PAYMENT. The Department will pay for the non-tracking tack at the Contract unit bid price and apply an adjustment for each manufacturer's lot of material based on the degree of compliance as defined in the following schedule. When a sample fails on two or more tests, the Department may add the deductions, but the total deduction will not exceed 100 percent.

| Non-Tracking Tack Price Adjustment Schedule |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Test | Specification | $100 \%$ Pay | $90 \%$ Pay | $80 \%$ Pay | $50 \%$ Pay | $0 \%$ Pay |  |
| Viscosity, SFS, $77^{\circ} \mathrm{F}$ | $20-100$ | $19-102$ | $17-18$ | $15-16$ | 14 | $\leq 13$ |  |
|  |  |  | $103-105$ | $106-107$ | $108-109$ | $\geq 110$ |  |
| Sieve, $\%$ | 0.30 max. | $\leq 0.40$ | $0.41-0.50$ | $0.51-0.60$ | $0.61-0.70$ | $\geq 0.71$ |  |
| Asphalt Residue, $\%$ | 50 min. | $\geq 49.0$ | $48.5-48.9$ | $48.0-48.4$ | $47.5-47.9$ | $\leq 47.4$ |  |
| Oil Distillate, $\%$ | 1.0 max. | $\leq 1.0$ | $1.1-1.5$ | $1.6-1.7$ | $1.8-1.9$ | $>2.0$ |  |
| Residue Penetration, $77{ }^{\circ} \mathrm{F}$ | 20 max. | $\leq 21$ | $22-23$ | $24-25$ | $26-27$ | $\geq 28$ |  |
| Original Dynamic Shear $\left(\mathrm{G}^{*} / \sin \delta\right), 82{ }^{\circ} \mathrm{C}$ | 1.0 min. | $\geq 0.95$ | $0.92-0.94$ | $0.90-0.91$ | $0.85-0.89$ | $\leq 0.84$ |  |
| Softening Point, ${ }^{\circ} \mathrm{F}$ | 149 min. | $\geq 145$ | $142-144$ | $140-141$ | $138-139$ | $\leq 137$ |  |
| Solubility, $\%$ | 97.5 min. | $\geq 97.0$ | $96.8-96.9$ | $96.6-96.7$ | $96.4-96.5$ | $\leq 96.3$ |  |

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\frac{\text { Code }}{24970 \mathrm{EC}}
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Pay Item
Asphalt Material for Tack Non-Tracking

Pay Unit
Ton

## SPECIAL NOTE FOR EXPERIMENTAL KYCT AND HAMBURG TESTING

### 1.0 General

1.1 Description. The KYCT (Kentucky Method for Cracking Test) and the Hamburg test results will help determine if the mixture is susceptible to cracking and rutting. During the experimental phase, data will be gathered and analyzed by the Department to determine the durability of the bituminous mixes. Additionally, the data will help the Department to create future performance based specifications which will include the KYCT and Hamburg test methods.

### 2.0 Equipment

2.1 KYCT Testing Equipment. The Department will require a Marshall Test Press with digital recordation capabilities. Other CT testing equipment may be used for testing with prior approval by the Department.
2.2 Water Baths. One or more water baths will be required that can maintain a temperature of $77^{\circ}$ $+/-1.8^{\circ} \mathrm{F}$ with a digital thermometer showing the water bath temperature. Also, one water bath shall have the ability to suspend gyratory specimen fully submerged in water in accordance with AASHTO T166 , current edition.
2.3 Hamburg Wheel Track Testing. The department encourages the use of the PTI APA/Hamburg Jr. test equipment to perform the loaded wheel testing. The Department will allow different equipment for the Hamburg testing, but the testing device must be approved by the Department prior to testing.
2.4 Gyratory Molds. Gyratory molds will be required to assist in the production of gyratory specimens in accordance with AASHTO T-312, current edition.
2.5 Ovens. Adequate (minimum of two ovens) will be required to accommodate the additional molds and asphalt mixture necessary to perform the acceptance testing as outlined in Section 402 of the Kentucky Standard Specifications for Road and Bridge Construction, current edition.
2.6 Department Equipment. The Department will provide gyratory molds, PINE 850 Test Press with digital recordation, and CT testing equipment to assist during this experimental phase so data can be gathered. Hamburg test specimens will be submitted to the Division of Materials for testing on the PTI APA/Hamburg Jr if the asphalt contractor or district materials office does not have an approved Hamburg testing device.

### 3.0 Testing Requirements

3.1 Acceptance Testing. Perform all acceptance testing and aggregate gradation as according with Section 402 and Section 403 of the Kentucky Standard Specifications for Road and Bridge Construction, current edition.
3.2 KYCT Testing. Perform crack resistance analysis (KYCT) in accordance with the current Kentucky Method for KYCT Index Testing during the mix design phase and during the plant production of all surface mixtures. For mix design approvals, submit KYCT results on the Department MixPack. For Class 4 mixtures, submit ingredient materials to the Division of Materials for informational verification.
3.2.1 KYCT Frequency. Obtain an adequate sample of hot mix asphalt to insure the acceptance testing, gradation, and KYCT gyratory samples can be fabricated and is representative of the bituminous mixture. Acceptance specimens shall be fabricated first, then immediately after, fabricate the KYCT samples with the gyratory compactor in accordance with Section 2.4 of this Special Note. Analysis of the KYCT specimens and gradation will be required one per sublot produced from the same asphalt material and at the same time as the acceptance specimen is sampled and tested.
3.2.2 Number of Specimens and Conditioning. Fabricate specimens in accordance with the Kentucky Method for KYCT Index Testing. Contrary to the method, fabricate a minimum of 3 and up to 6 test specimens. The specimens shall be compacted at the temperature in accordance to KM 64-411. KYCT mix design specimens shall be short-term conditioned for four hours at compaction temperature in accordance to KM 64-411. Contrary to the Kentucky Method, plant produced bituminous material shall be short-term conditioned immediately after sampling for two hours at compaction temperature in accordance to KM 64-411. Additionally, fabricated specimens shall be allowed to cool in air (fan is permissible) for 30 minutes $+/-5$ minutes and conditioned in a $77^{\circ} \mathrm{F}$ water bath for 30 minutes $+/-5$ minutes. To insure confidence and reliability of the test results provided by KYCT testing and Hamburg testing, reheating of the asphalt mixture is prohibited.
3.2.3 Record Times. For each sublot, record the time required between drying aggregates in the plant to KYCT specimen fabrication. The production time may vary due to the time that the bituminous material is held in the silo. Record the preconditioning time when the time exceeds the one hour specimen cool down time as required in accordance to The Kentucky Method for KYCT Index Testing. The preconditioning time may exceed an hour if the technician is unable to complete the test on the
same day or within the specified times as outlined in The Kentucky Method for KYCT Index Testing. The production time and the preconditioning time shall be recorded on the AMAW.
3.2.4 File Name. As according to section 7.12 of The Kentucky Method for KYCT Index Testing, save the filename with the following format; "CID_Approved Mix Number_Lot Number_Sublot Number_ Date"
3.3 Hamburg Testing. Perform the rut resistance analysis (Hamburg) in accordance to AASTHO T-324, not to exceed 20,000 passes for all bituminous mixtures during the mix design phase and production. For mix design approvals, submit Hamburg results on the Department MixPack. For Class 4 mixtures, submit ingredient materials to the Division of Materials for informational verification.
3.3.1 Hamburg Testing Frequency. Perform testing and analysis per lot of material. The plant produced bituminous material sampled for the Hamburg test does not have to be obtained at the same time as the acceptance and KYCT sample. If the Hamburg test sample is not obtained at the same time as the KYCT sample, determine the Maximum Specific Gravity of the KYCT sample in accordance with AASHTO T-209 coinciding with the Hamburg specimens.
3.3.2 Record Times. Record the production time as according to section 3.2.3 in this special note. Also record the time that the specimens were fabricated and the time the Hamburg testing was started. All times shall be recorded on the AMAW.
3.3.3 File Name. Save the Excel spreadsheet with the following file name;
"Hamburg_CID_Approved Mix Number_Lot Number_Sublot Number_Date" and upload the file into the AMAW.

### 4.0 Data

Submit the AMAW and all test data that was obtained for acceptance, gradation, KYCT, and Hamburg testing within five working days once all testing has been completed for a lot to Central Materials Lab and the District Materials Engineer. Also, any data and or comments that the asphalt contractor or district personnel deem informational during this experimental phase, shall also be submitted to the Central Materials Lab and the District Materials Engineer. Any questions or comments regarding any item in this Special Note can be directed to the Central Office, Division of Materials, Asphalt Branch.

### 5.0 KYCT Video Demonstration

https://youtu.be/84j0bM45-hg

### 6.0 Payment

Any additional labor and testing equipment that is required to fabricate and test the KYCT and Hamburg specimens shall be considered to be incidental to the asphalt surface line item. The Department will perform the testing for the KYCT and Hamburg specimens if a producer does not possess the proper equipment.

## SPECIAL NOTE FOR AWARD OF CONTRACT

Contrary to Section 103.02, the Department may hold the Bid Proposals of any or all bidders for a period not to exceed 90 calendar days for final disposition of award. The Department may hold the Bid Proposal of the lowest bidder longer than 90 calendar days if the bidder concurs.

Contrary to Section 103.04, The Department will hold the Proposal Guaranty of the lowest bidder and the Proposal Guaranty of the second lowest bidder, as determined by the Commissioner, until the Department awards the Contract and executes and approves the Contract and bond of the successful bidder, or until the Department rejects all Bid Proposals. If the Department does not make an award within 90 calendar days, the Department will return all Proposal Guaranties.

Except as provided in this note or elsewhere in the proposal, the Department will apply all other applicable portions of Section 103.

## SPECIAL NOTE FOR EDGE KEY

Construct Edge Keys at the beginning of project, end of project, at railroad crossings, and at ramps, as applicable. Unless specified in the Contract or directed by the Engineer, do not construct edge keys at intersecting streets, roads, alleys, or entrances. Cut out the existing asphalt surface to the required depth and width shown on the drawing and heel the new surface into the existing surface. The Department will make payment for this work at the Contract unit price per ton for Asphalt Pavement Milling and Texturing, which shall be full compensation for all labor, materials, equipment, and incidentals for removal and disposal of the existing asphalt surface required to construct the edge key.

EDGE KEY


Thickness = 1 Inch
$\mathrm{L}=\underline{100} \mathrm{LF}$
$L=$ Length of Edge Key

1-3309 Edge key by Ton
01/02//2012

## SPECIAL NOTE FOR ASPHALT MILLING AND TEXTURING

Begin paving operations within two weeks of commencement of the milling operation. Continue paving operations continuously until completed. If paving operations are not begun within this time period, the Department will assess liquidated damages at the rate prescribed by Section 108.09 until such time as paving operations are begun.

Take possession of the millings and recycle the millings or dispose of the millings off the Right-of-Way at sites obtained by the Contractor at no additional cost to the Department.

1-3505 2 weeks Contractor keeps millings
01/2/2012

## SPECIAL NOTE FOR TYPICAL SECTION DIMENSIONS

Consider the dimensions shown on the typical sections for pavement and shoulder widths and thickness' to be nominal or typical dimensions. The Engineer may direct or approve varying the actual dimensions to be constructed to fit existing conditions. Do not widen existing pavement or shoulders unless specified elsewhere in this proposal or directed by the engineer.

1-3725 Typical Section Dimensions 01/02/2012

## TRAFFIC CONTROL PLAN

## TRAFFIC CONTROL GENERAL

Except as 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

The Engineer may specify days and hours when lane closures will not be allowed.
Maintain alternating one way traffic during construction. Provide a minimum clear lane width of 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.

## LANE CLOSURES

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

## SIGNS

Sign posts and splices shall be compliant with NCHRP 350 or MASH. Manufacturer's documentation validating this compliance shall be provided to the Engineer prior to installation. Signs, including any splices, shall be installed according to manufacturer's specifications and installation recommendations. Contrary to section 112.04.02, only long-term signs (signs intended to be continuously in place for more than 3 days) will be measured for payment. Short-term signs (signs intended to be left in place for 3 days or less) will not be measured for payment but will be incidental to Maintain and Control Traffic.

## CHANGEABLE MESSAGE SIGNS

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

Traffic Control Plan
Page 2 of 3

## TEMPORARY ENTRANCES

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

Except as allowed by the Phasing as specified above, maintain direct access to all side streets and roads, schools, churches, commercial properties and apartments or apartment complexes of four or more units at all times.

The Department will measure asphalt materials required to construct and maintain any temporary entrances which may be necessary to provide temporary access; however, the Department will not measure aggregates, excavation, and/or embankment, but shall be incidental to Maintain and Control Traffic. The Engineer will determine the type of surfacing material, asphalt or aggregate, to be used at each entrance.

## 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 construction.

## PAVEMENT MARKINGS

If there is to be a deviation from the existing striping plan, the Engineer will furnish the Contractor a striping plan prior to placement of the final surface course.

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

If the Contractor's operations or phasing requires temporary markings that must subsequently be removed from the final surface course, use an approved removable lane tape; however, the Department will not measure removable lane tape for separate payment, but will measure and pay for removable lane tape as temporary striping.

## 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 $1 \frac{1}{2}$ ". 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.

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

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


## MATERIAL SUMMARY

CLAY - DIXON (KY 132) BEGINNING 0.061 MILES WEST OF KY 270 EXTENDING EAST TO A POINT 1.771 MILES EAST OF NAT TAYLOR ROAD. ASPHALT RESURFACING, A DISTANCE OF 6.49 MILES.

| Project <br> Line No | Bid Code | DESCRIPTION | Quantity | Unit |
| :---: | :---: | :---: | :---: | :---: |
| 0005 | 00001 | DGA BASE | 1,300.00 | TON |
| 0010 | 00190 | LEVELING \& WEDGING PG64-22 | 735.00 | TON |
| 0015 | 00301 | CL2 ASPH SURF 0.38D PG64-22 | 5,340.00 | TON |
| 0020 | 02562 | TEMPORARY SIGNS | 330.00 | SQFT |
| 0025 | 02650 | MAINTAIN \& CONTROL TRAFFIC - (FD05) | 1.00 | LS |
| 0030 | 02676 | MOBILIZATION FOR MILL \& TEXT - (FD05) | 1.00 | LS |
| 0035 | 02677 | ASPHALT PAVE MILLING \& TEXTURING | 75.00 | TON |
| 0040 | 02697 | EDGELINE RUMBLE STRIPS | 68,600.00 | LF |
| 0045 | 06510 | PAVE STRIPING-TEMP PAINT-4 IN | 35,000.00 | LF |
| 0050 | 06515 | PAVE STRIPING-PERM PAINT-6 IN | 60,000.00 | LF |
| 0055 | 10020NS | FUEL ADJUSTMENT | 9,456.00 | DOLL |
| 0060 | 10030NS | ASPHALT ADJUSTMENT | 23,751.00 | DOLL |
| 0065 | 24970EC | ASPHALT MATERIAL FOR TACK NON-TRACKING | 34.00 | TON |
| 0070 | 02569 | DEMOBILIZATION | 1.00 | LS |

## MATERIAL SUMMARY

CLAY - DIXON (KY 132) BEGINNING 0.061 MILES WEST OF KY 270 EXTENDING EAST TO A POINT 1.771 MILES EAST OF NAT TAYLOR ROAD. BRIDGE WITH GRADE, DRAIN \& SURFACE, A DISTANCE OF 6.49 MILES.

| Project <br> Line No | Bid Code | DESCRIPTION | Quantity | Unit |
| :---: | :---: | :---: | :---: | :---: |
| 0075 | 00003 | CRUSHED STONE BASE | 375.00 | TON |
| 0080 | 00103 | ASPHALT SEAL COAT | 23.00 | TON |
| 0085 | 00190 | LEVELING \& WEDGING PG64-22 | 1,326.00 | TON |
| 0090 | 00212 | CL2 ASPH BASE 1.00D PG64-22 | 844.00 | TON |
| 0095 | 00291 | EMULSIFIED ASPHALT RS-2 | 3.00 | TON |
| 0100 | 00301 | CL2 ASPH SURF 0.38D PG64-22 | 227.00 | TON |
| 0105 | 02676 | MOBILIZATION FOR MILL \& TEXT - (FD04) | 1.00 | LS |
| 0110 | 02677 | ASPHALT PAVE MILLING \& TEXTURING | 229.00 | TON |
| 0115 | 21289ED | LONGITUDINAL EDGE KEY | 1,204.00 | LF |
| 0120 | 24970EC | ASPHALT MATERIAL FOR TACK NON-TRACKING | 2.00 | TON |
| 0125 | 01987 | DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE | 12.00 | EACH |
| 0130 | 02014 | BARRICADE-TYPE III | 4.00 | EACH |
| 0135 | 02230 | EMBANKMENT IN PLACE | 2,258.00 | CUYD |
| 0140 | 02351 | GUARDRAIL-STEEL W BEAM-S FACE | 230.00 | LF |
| 0145 | 02355 | GUARDRAIL-STEEL W BEAM-S FACE A | 100.00 | LF |
| 0150 | 02367 | GUARDRAIL END TREATMENT TYPE 1 | 4.00 | EACH |
| 0155 | 02562 | TEMPORARY SIGNS | 500.00 | SQFT |
| 0160 | 02585 | EDGE KEY | 59.00 | LF |
| 0165 | 02650 | MAINTAIN \& CONTROL TRAFFIC - (FD04) | 1.00 | LS |
| 0170 | 02726 | STAKING | 1.00 | LS |
| 0175 | 08801 | GUARDRAIL-STEEL W BEAM-S FACE BR | 92.00 | LF |
| 0180 | 20205EC | PAVE MARK STOP BAR-24 IN PAINT | 20.00 | LF |
| 0185 | 02701 | TEMP SILT FENCE | 625.00 | LF |
| 0190 | 02703 | SILT TRAP TYPE A | 1.00 | EACH |
| 0195 | 02704 | SILT TRAP TYPE B | 1.00 | EACH |
| 0200 | 02706 | CLEAN SILT TRAP TYPE A | 3.00 | EACH |
| 0205 | 02707 | CLEAN SILT TRAP TYPE B | 3.00 | EACH |
| 0210 | 05950 | EROSION CONTROL BLANKET | 270.00 | SQYD |
| 0215 | 05952 | TEMP MULCH | 2,300.00 | SQYD |
| 0220 | 05985 | SEEDING AND PROTECTION | 1,325.00 | SQYD |
| 0225 | 02731 | REMOVE STRUCTURE | 1.00 | LS |
| 0230 | 23820EC | PRECAST ARCH | 1.00 | LS |
| 0235 | 24844EC | UTILITY RELOCATION | 1.00 | DOLL |
| 0240 | 02569 | DEMOBILIZATION | 1.00 | LS |

Milling
Summary
FD05 1170132 008-016


## TYPICAL SECTION WEBSTER COUNTY FD05 1170132 008－016 <br> MP 8．778－15．273






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|  |  | ASPHALT SEAL COAT（INSIDE BRIDGE LMITS） |  |  |  |  |  |  |  |  | $\frac{\bar{\pi}}{3}$ |
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|  | $\stackrel{\sim}{3}$ |  | $\sim$ |  |  | $\infty$ |  | 5 |  | ¢ | KY 857 |
| $\bigcirc$ | \％ |  | $\approx$ | 2 |  | 容 | $\underset{\sim}{\text { co }}$ | 兄 | n | ® | TOTAL PROJECT |

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25 LF OF STELL＂W＂BEAM GUARDRAIL
SINGLE FACE＂A．＂． RT STA． $17+09$ TO RT STA． $17+55$ CONST．
46 LF OF GUARDRALLSTEEL W $W$ BEAM－S FACE BR． RT STA． $16+84$ TO RT STA． $17+09$ CONST．
25 LF OF GUARDRAL－STEEL $W$ BEAM－S FACE A RT STA． $16+46.5$ TO RT STA． $16+84$ CONST．
37.5 LF OF GUARDRALL－STEEL W BEAM－S FACE．
RT STA． $16+84$ TO RT STA RT STA． $15+96.5$ TO RT STA． $16+46.5$ CONST．
ONE GURDRAIL END TREATMENT TYPE 1. RT STA． $14+25$ TO RT STA． $14+75$
TTANSITON EARTH SHOULDER
FROM 10.59 TO 13.00 ．
RT STA． $14+25$ TO RT STA． $14+75$
TRANSIION PAEMENT
FROM 9.59 TO 11.00 ． STA． $14+25$ CONST． 19.
PAVEMENT EDGE KEY．
 TT STA． $14+25$ TO LT STA． $14+7$
TRASITION EARTH SHOULDER
FROM 11.44 TO 13.00 ． LT STA． $14+25$ TO LT STA． $14+75$

LT STA． $17+80$ TO LT STA． $18+50$ CONST．
70 LF OF GUARDRALL－STEEL W BEAM－S FACE
LT STA． $17+55$ TO LT STA． $17+80$ Const
25 LF OF STEEL．WN＂BEAM GUARDRAIL
SINGLE FACE EA＂．
 LT STA． $16+84$ TO LT STA． $17+09$ CONST．
25 LF OF GUARDRAIL－STEEL W BEAM－S FACE A LT STA． $16+46.5$ TO LT STA． $16+84$ CONST．
37.5 LF OF GUARDRALL－STEEL W BEAM－S FACE． LT STA． $15+96.5$ TO LT STA． $16+46.5$ const．
ONE GUARDRALL END TREATMENT TYPE 1.
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\begin{aligned}
& \text { FOR MAINTENANCE AND REPAIR PROJECTS, USE "GUARDRAIL SYSTEM TRANSITION "SEPIA 33", } \\
& \text { TO TRANSITJON BACK TO 27' OR } 29 \text { GUARDRAIL HEIGHT, JF ONLY THE TERMINAL IS PROPOSED } \\
& \text { TO BE REPLACED. }
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$1 / 2$ " open joint in tubing


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 2 -(O846) 46'-0" SPAN $\times 11^{1}-41^{\prime \prime}$ RISE $\times 4^{4}-11^{7} /^{\prime \prime}$ " PLUS 4 JOINTS @ $y_{4} \pm$ PER JOINT


directed by the Engineer. required to further odvance the pile. Drive additional production and test piles if
 driving is encountered because of dense strata or on obstruction, such as a boulder to depths determined by test pile(s) and subsurface data sheets). Immediately cease
driving operations if the pile visibly yields or becomes damaged during driving. If hard or less. Advance the production piling to the driving resistances specifed obove and
 PRACTICAL REFUSAL (Cose 2): For this project minimum blow requirements are reached

DRIVING CRITERIA: Drive point bearing piles to proctical refusal.

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in place bearing values are not required for piles bearing on rock when driven to CALCULATED FIELD BEARING: Contrary to Section 604.03.07 of the Standard Specifications, calculations for Factored LRFD Loadings.

DESIGN AXIAL LOAD: Load carried by each pile as estimated from structural design structure.

POINT OF PILE ELEVATION AS DRIVEN: Actual point of pile elevation in the finished PILE LENGTH IN PLACE: Actual pile length below the Pile Cut-Off Elevation in the finished
structure. PILE CUT-OFF ELEVATION: Elevotion of the top of pile in the finished structure.


Use HP $12 \times 53$ in accordance with BPS-003, c.e. required to keep and submit. This pile record does not reploce other pile records the Project Engineer is
 Kentucky Transportation Cabinet Director, Division of Structural Design Submit this record to: Length in Place and Point of Pile Elevation as Driven. Field Data




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 The abbreviated geotechnical engineering report for this structure has been completed．The
project is a part of the Bridging Kentucky Program．The project is to reconstruct the existing bridge nolimnaorini it
 Bridge No．117B00064N Webster Country，Kentucky 1046 E．Chestnut Street
Louisville，KY 40204 Qrids ${ }^{\text {ang Kentucky Area Team Leader }}$ Mr．Rodney Little，PE

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 system to the Engineer for approval prior to the installation of the first pile．Approval of Su！и！ I！！M sd！！





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## analyses were deemed necessary． <br> 


 other than single acting diesel may require different energy ranges． without encountering excessive blow counts or overstressing the piles．The use of hammers
 assuming 16 －inch closed end steel pipe piles with a wall thickness of 0.5 inches and a stee
yield stress of 45 ksi．These analyses indicate that a single acting diesel hammer with rated




 5 ENGINEERING ANALYSIS AND FOUNDATION RECOMMENDATIONS





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& \text { ELEVATION TRANSITION } \\
& \text { FROM } 0.14 \% \text { TO } 6.00 \%
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9' RT. MILLING DEPTH 4.9"




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Contract Id: $\qquad$ _

## Section Engineer:

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| DESCRIPTION | UNIT | QTY LEAVING PROJECT | QTY RECEIVED@BB YARD |
| :---: | :---: | :---: | :---: |
| GUARDRAIL (Includes | LF |  |  |
| End treatments \& crash cushions) |  |  |  |
| STEEL POSTS | EACH |  |  |
| STEEL BLOCKS | EACH |  |  |
| WOOD OFFSET BLOCKS | EACH |  |  |
| BACK UP PLATES | EACH |  |  |
| CRASH CUSHION | EACH |  |  |
| NUTS, BOLTS, WASHERS | BAG/BCKT |  |  |
| DAMAGED RAIL TO MAINT. FACILIT | TY LF |  |  |
| DAMAGED POSTS TO MAINT. FACIL | EAITY EACH |  |  |

## * Required Signatures before Leaving Project Site

Printed Section Engineer's Representative $\qquad$ \& Date $\qquad$
Signature Section Engineer's Representative $\qquad$ \& Date $\qquad$
Printed Contractor's Representative $\qquad$ \& Date $\qquad$ Signature Contractor's Representative $\qquad$ \& Date $\qquad$
*Required Signatures after Arrival at Bailey Bridge Yard (All material on truck must be counted \& the quantity received column completed before signatures)

Printed Bailey Bridge Yard Representative $\qquad$ \& Date $\qquad$
Signature Bailey Bridge Yard Representative $\qquad$ \& Date $\qquad$
Printed Contractor's Representative $\qquad$ \& Date $\qquad$
Signature Contractor's Representative $\qquad$ \& Date $\qquad$

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## BRIDGE DETAIL FOR PAVING PROJECT


$\mathrm{W}=$ bridge width curb to curb
$\mathrm{T}=$ thickness of existing asphalt overlay
$\mathrm{L}=$ length of bridge
$\mathrm{L}_{1} \& \mathrm{~L}_{2}=$ length of approach pavement to be removed
$T_{R}=$ thickness to be removed and replaced on bridge
$\mathrm{P}_{\mathrm{R}}=$ thickness to be removed and replaced on pavement
Note: $L_{1} \& L_{2}$ lengths shall be determined by using a transition rate of $100 \mathrm{ft} / \mathrm{in}$ of thickness

| Route | Bridge No. | MP | W (ft) | T (in) | $\mathrm{L}_{1}(\mathrm{ft})$ | $\mathrm{L}_{2}(\mathrm{ft})$ | $\begin{array}{r} \mathrm{T}_{\mathrm{R}} \\ \text { (in) } \\ \hline \end{array}$ | L (ft) | $\mathrm{P}_{\mathrm{R}}$ (in) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| KY 132 | B00126N | 11.224 | 24.000 | 1.000 | 100.000 | 100.000 | 1.000 | 35.000 | 1.000 |
| KY 132 | B00061N | 12.630 | 24.000 | 0.000 | 100.000 | 100.000 | 0.000 | 115.000 | 1.000 |
| KY 132 | B00060N | 14.169 | 24.000 | 1.000 | 100.000 | 100.000 | 1.000 | 20.000 | 1.000 |
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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 2020.

## 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

## 2020 KENTUCKY STANDARD DRAWINGS

CURVE WIDENING AND SUPERELEVATION TRANSITIONS ..... RGS-001-07
SUPERELEVATION FOR MULTILANE PAVEMENT ..... RGS-002-06
MISCELLANEOUS STANDARDS ..... RGX-001-06
APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT ..... RPM-110-07
LANE CLOSURE TWO-LANE HIGHWAY ..... TTC-100-04
SHOULDER CLOSURE ..... TTC-135-02
PAVEMENT CONDITION WARNING SIGNS ..... TTD-125-02
MOBILE OPERATION FOR PAINT STRIPING CASE I ..... TTS-100-02
MOBILE OPERATION FOR PAINT STRIPING CASE II ..... TTS-105-02
SHOULDER \& EDGELINE RUMBLE STRIPS PLACEMENT DETAILS ..... TPR-115
EDGELINE RUMBLE STRIP DETAILS TWO LANE ROADWAYS ..... TPR-120
GUARDRAIL END TREATMENT TYPE 1 ..... RBR-020-07
STEEL BEAM GUARDRAIL ("W"-BEAM) ..... RBR-001-13
GUARDRAIL COMPONENTS ..... RBR-005-11
DELINEATORS FOR GUARDRAIL ..... RBR-055-01
INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1 ..... RBI-004-06
TYPICAL GUARDRAIL INSTALLATIONS ..... RBI-001-12
TYPICAL GUARDRAIL INSTALLATIONS ..... RBI-002-07
SILT TRAP - TYPE A ..... RDX-220-05
SILT TRAP - TYPE B ..... RDX-225-01
EROSION CONTROL BLANKET SLOPE INSTALLATION ..... RDI-040-01
EROSION CONTROL BLANKET CHANNEL INSTALLATION ..... RDI-041-01
TEMPORARY SILT FENCE ..... RDX-210-03

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.
4. 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.
5. 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.

## 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.

## 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.

## Kentucky Equal Employment Opportunity Act of 1978

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.56045.640) 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.

BEGINNING JULY 24, 2009

## OVERTIME PAY

At least $1 \frac{1}{2}$ 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-manufacturing, non-mining, non-hazardous jobs under the following conditions:

## No more than

- 3 hours on a school day or 18 hours in a school week;
- 8 hours on a non-school day or 40 hours in a non-school week.

Also, work may not begin before 7 a.m. or end after $\mathbf{7}$ 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:

(1-866-487-9243)
TTY: 1-877-889-5627
U.S. Wage and Hour Division

WWW.WAGEHOUR.DOL.GOV

## PART IV

## INSURANCE

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

## PART V

## BID ITEMS

## Section: 0001 - PAVING

| LINE | BID CODE | ALT DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0010 | 00001 | DGA BASE | 1,300.00 | TON |  | \$ |  |
| 0020 | 00003 | CRUSHED STONE BASE | 375.00 | TON |  | \$ |  |
| 0030 | 00103 | ASPHALT SEAL COAT | 23.00 | TON |  | \$ |  |
| 0040 | 00190 | LEVELING \& WEDGING PG64-22 | 2,061.00 | TON |  | \$ |  |
| 0050 | 00212 | CL2 ASPH BASE 1.00D PG64-22 | 844.00 | TON |  | \$ |  |
| 0060 | 00291 | EMULSIFIED ASPHALT RS-2 | 3.00 | TON |  | \$ |  |
| 0070 | 00301 | CL2 ASPH SURF 0.38D PG64-22 | 5,567.00 | TON |  | \$ |  |
| 0080 | 02562 | TEMPORARY SIGNS | 330.00 | SQFT |  | \$ |  |
| 0090 | 02650 | MAINTAIN \& CONTROL TRAFFIC (FD05) | 1.00 | LS |  | \$ |  |
| 0100 | 02676 | MOBILIZATION FOR MILL \& TEXT (FD04) | 1.00 | LS |  | \$ |  |
| 0110 | 02676 | MOBILIZATION FOR MILL \& TEXT (FD05) | 1.00 | LS |  | \$ |  |
| 0120 | 02677 | ASPHALT PAVE MILLING \& TEXTURING | 304.00 | TON |  | \$ |  |
| 0130 | 02697 | EDGELINE RUMBLE STRIPS | 68,600.00 | LF |  | \$ |  |
| 0140 | 06510 | PAVE STRIPING-TEMP PAINT-4 IN | 35,000.00 | LF |  | \$ |  |
| 0150 | 06515 | PAVE STRIPING-PERM PAINT-6 IN | 60,000.00 | LF |  | \$ |  |
| 0160 | 10020NS | FUEL ADJUSTMENT | 9,456.00 | DOLL | \$1.00 | \$ | \$9,456.00 |
| 0170 | 10030NS | ASPHALT ADJUSTMENT | 23,751.00 | DOLL | \$1.00 | \$ | \$23,751.00 |
| 0180 | 21289ED | LONGITUDINAL EDGE KEY | 1,204.00 | LF |  | \$ |  |
| 0190 | 24970EC | ASPHALT MATERIAL FOR TACK NONTRACKING | 36.00 | TON |  | \$ |  |

## Section: 0002-ROADWAY

| LINE | BID CODE |
| :--- | :--- |
| 0200 | 01987 |
| 0210 | 02014 |
| 0220 | 02230 |
| 0230 | 02351 |
| 0240 | 02355 |
| 0250 | 02367 |
| 0260 | 02562 |
| 0270 | 02585 |
| 0280 | 02650 |
| 0290 | 02726 |
| 0300 | 08801 |
| 0310 | 20205 EC |

ALT DESCRIPTION
DELINEATOR FOR GUARDRAIL BI
DIRECTIONAL WHITE
BARRICADE-TYPE III
EMBANKMENT IN PLACE
GUARDRAIL-STEEL W BEAM-S FACE
GUARDRAIL-STEEL W BEAM-S FACE A
GUARDRAIL END TREATMENT TYPE 1
TEMPORARY SIGNS
EDGE KEY
MAINTAIN \& CONTROL TRAFFIC
(FD04)
STAKING
GUARDRAIL-STEEL W BEAM-S FACE BR
PAVE MARK STOP BAR-24 IN PAINT

QUANTITY

| 12.00 | EACH | $\$$ |
| ---: | ---: | ---: |
| 4.00 | EACH | $\$$ |
| $2,258.00$ | CUYD | $\$$ |
| 230.00 | LF |  |
| 100.00 | LF | $\$$ |
| 4.00 | EACH | $\$$ |
| 500.00 | SQFT | $\$$ |
| 59.00 | LF | $\$$ |
| 1.00 | LS | $\$$ |
| 1.00 | LS | $\$$ |
| 92.00 | LF | $\$$ |
| 20.00 | LF | $\$$ |

## Section: 0003 - DRAINAGE

| LINE | BID CODE | ALT DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0320 | 02701 | TEMP SILT FENCE | 625.00 | LF |  | \$ |  |

## PROPOSAL BID ITEMS



## Section: 0004-BRIDGE

| LINE | BID CODE | ALT DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0400 | 02731 | REMOVE STRUCTURE | 1.00 | LS |  | \$ |  |
| 0410 | 23820EC | PRECAST ARCH | 1.00 | LS |  | \$ |  |

## Section: 0005-UTILITY

| LINE | BID CODE | ALT DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0420 | 24605ED | RELOCATE ONE UTILITY POLE | 1.00 | EACH |  | \$ |  |

Section: 0006 - DEMOBILIZATION

| LINE | BID CODE | ALT DESCRIPTION | QUANTITY | UNIT | UNIT PRIC | FP | AMOUNT |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0430 | 02569 | DEMOBILIZATION | 1.00 | LS |  | \$ |  |


[^0]:    

[^1]:    **Payment for the bid item remove guardrail will be based upon the quantities shown in the Bailey Bridge Yard received column. Payment will not be made for guardrail removal until the guardrail verification sheets are electronically submitted to the Section Engineer by the Bailey Bridge Yard Representative.

