

CALL NO. 319
CONTRACT ID. 192011
VARIOUS COUNTIES
FED/STATE PROJECT NUMBER FE01 121 DW19 0110000
DESCRIPTION VARIOUS ROUTES IN DISTRICT 11
WORK TYPE WATERBOURNE PAINT STRIPING
PRIMARY COMPLETION DATE 8/15/2019

LETTING DATE: January 25,2019

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME January 25,2019. 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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COUNTY - VARIOUS

PCN - MP12100001911 FE01 121 DW19 0110000

VARIOUS ROUTES IN DISTRICT 11 .WATERBOURNE PAINT STRIPING
GEOGRAPHIC COORDINATES LATITUDE 37:02:01.00 LONGITUDE 83:49:31.00

COMPLETION DATE(S):

SPECIFIED COMPLETION DATE -

COMPLETED BY 08/15/2019 ALL ITEMS IN CONTRACT

SPECIFIED COMPLETION DATE -

COMPLETED BY 06/01/2019 PRIORITY ROUTES

REMOVE STRIPING ERRORS AND

5 WORKING Days SPILLS

RESTRIPING ROUTES WITH FAILED

15 CALENDAR Days RETROREFLECTIVITY

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 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

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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

NATIONAL HIGHWAY

Be advised that some routes in this project are on the NATIONAL HIGHWAY SYSTEM.

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SPECIAL NOTES FOR WATERBORNE PAINT STRIPING AND DURABLE WATERBORNE PAINT STRIPING 2019 DISTRICT WIDE CONTRACTS

DESCRIPTION

Except as specified herein, perform all work according to the Commonwealth of Kentucky, Transportation Cabinet, Department of Highways' 2012 Standard Specifications for Road and Bridge Construction; Supplemental Specifications; applicable Standard and Sepia Drawings; applicable Special Notes and Special Provisions; and Kentucky Methods; current editions. Section references are to the Standard Specifications.

SCOPE OF WORK

Furnish and apply waterborne striping paint for 4 inch lines and durable waterborne striping paint for 6 inch lines, reflectorized with glass beads, to the sections of roadway provided in this Contract with an updated listing provided at the pre-construction meeting. This Contract is for the installation of centerlines, lane lines, edgelines, ramp lines, dotted lines and gore markings only. Gore marking materials shall be the same as the mainline of the roadway. Special markings such as stop bars, crosswalks, cross-hatching, railroad markings, etc. are not to be installed under this Contract

Intersection approach markings such as the edgelines of large painted islands or edgelines on mountable medians may be included at the discretion of the Engineer provided they can be painted by the striping truck. Markings that would require application by equipment other than the striping truck are not to be installed under this Contract.

Retrace existing lines on the listed routes. The Department will pre-mark any section of roadway where there are no existing markings, old markings are no longer visible, or where the existing markings are to be changed. Do not place edge lines on any section of roadway where edgelines do not currently exist without written authorization from the Chief District Engineer.

MATERIALS FOR WATERBORNE AND DURABLE WATERBORNE PAINT STRIPING

<u>PAINT:</u> Furnish paint materials for this project to meet the performance requirements detailed in Sections 842 and 846 of the Standard Specifications, except that yellow composition shall have a contrast ratio at 15 mils wet film thickness of 0.980.

Submit initial samples for each paint formulation for approval prior to initiation of the striping operation. The Contractor's paint manufacturer may submit the initial sample directly to the Department. The Department will obtain subsequent samples of paint in accordance with the

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Materials Field Sampling Manual when striping operations are in progress. A minimum of one sample will be obtained per color, per truck, per week and shall represent the quantity of striping applied per week. Deductions for application of non-specification paint shall be assessed to the quantity of striping represented by the sample.

<u>BEADS:</u> Use sufficient beads to ensure the pavement marking material meets retroreflectivity requirements. The Department will evaluate beads as part of the installed pavement marking in accordance with Kentucky Method 202 or 203 as applicable. Testing of the coatings, gradation and quality of the product applied shall be the responsibility of the Contractor.

MATERIALS SAMPLING AND ACCEPTANCE

If two or more random samples obtained during striping operations fail to meet minimum compositional requirements, striping operations shall be discontinued at the discretion of the Engineer. In the event striping operations are discontinued, the Department will randomly sample and test each batch of paint the Contractor has in stock at the storage location.

For batches of paint that fail to meet the minimum compositional criteria, the stock material will be rejected. The Contractor will be required to remove all failing paint from his central storage Batches that are tested and found to be in compliance with the compositional requirements may be used. After the Department has sampled all of the material at the central storage area, sampling and testing will resume according to the Materials Field Sampling Manual as soon as striping operations resume.

A deduction in payment will be made for any paint used that fails to meet material requirements according to Sections 842 and 846 as applicable.

EQUIPMENT

Each striper shall be equipped with electrical foot counters. The counters shall individually tabulate the amount of footage applied by each striping gun on the carriage, whether solid or dashed. The counters shall be capable of measuring up to six digits and shall have a reset feature. The counters shall be calibrated in the presence of a Department representative to insure an accurate measurement of the paint applied. Perform the calibration prior to starting striping operations and as necessary thereafter. When done, the Department's representative will record the calibrations on the Engineer's Daily Work Report (DWR).

Each striper shall be equipped with an accurate dashing mechanism, capable of being adjusted to retrace existing lane line, dotted lines or centerline markings as directed by the Engineer. The striper shall also be equipped with a detection device that will automatically cutoff the paint guns when a raised or recessed pavement marker is detected in the pavement. The Contractor, at his own expense, shall replace or adequately clean any pavement marker lens that is painted.

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Equip each striper with a Data Logging System (DLS) that will record operational details during striping operations, store data, and generate and export reports on a daily basis to the manufacturer's secure server. Provide only DLS equipment certified by the manufacturer. Ensure the data is in Microsoft Excel format, or a comma or spaces delimited text file adequate for insertion into a computerized spreadsheet. The DLS shall monitor and report the quantities of paint and beads consumed in line and calculate, in real time, the gallons of paint per mile, average wet film thickness, and pounds of beads per gallon of paint for each line application. The DLS shall monitor and report the ambient temperature, pavement temperature, and paint temperature, and record the data at the beginning of each line application and at a minimum of 1 mile increments during application. The DLS shall be capable of storing and supplying the necessary scaling and calibration parameters to the flow meters, and shall provide a means of adjusting the scaling factor as necessary. The DLS shall include a remote cab mounted display, which shall indicate in real time, pavement temperature, application rate of paint in gallons per mile, paint film thickness in mils, and application rate of beads in pounds per gallon. In addition the Contractor's striper shall also be equipped with a calibrated measuring device for monitoring quantities of paint and beads consumed in line.

Export to the secure server a DLS report as raw data, and as an Excel spreadsheet containing the following information: route; the beginning and ending mile points; the beginning and ending coordinates determined by a Global Positioning System receiver with a 16 foot accuracy, and the direction of travel; line type, indicated as CL (Yellow Center Line Double-Solid, Monodirectional passing, or Bi-directional passing); EL (White Edge Line on all roads or Yellow Edge Line on Solid Median Multi-Lane Highways and Interstates); LL (Solid Yellow or White Lane Line to define turn or merge lanes); SK (Dashed Yellow or White Line 10'stripe/30'gap); GM (Gore Marking installed at 2x the Edge Line Width); DTLE (Dashed Yellow or White Line Extension 3'stripe/9'gap); line width; line color; direction of application (this must be indicated for each direction travelled i.e. must include a separate entry for both the North and South directions, cannot be one entry that says direction was North/South); weight of paint applied in pounds or number of strokes counted, appropriate scaling factors; paint film thickness in mils; paint application rate in gallons per mile; bead application rate in pounds per gallon; paint temperature obtained immediately after the heat exchanger; ambient temperature; pavement temperature; and vehicle speed in miles per hour. Report application and temperature data in one-mile increments for each line applied. Provide GPS mapping system that is capable of real time (within 20 minutes) tracking of material application rates, film thickness, beads pounds per gallon, vehicle speed, time, date, project numbers, operator manual data, and color coded alarms for film thickness. Film thickness alarms must have a tolerance of ± 0.5 mils.

Provide access to stored data on a secure password protected website. The Department reserves the right to obtain any and all raw data recorded by the DLS at any time during this Contract. The Engineer may require field verification of the DLS operation and calibration at any time to ensure the accuracy of the DLS data and output. If field personnel suspect that the DLS data and/or output are not accurate, the Engineer may direct additional checks be performed.

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The secure server shall allow the Department to be able to create a Daily Striping Report which automatically fills from the DLS's data. It shall auto-populate all fields shown on the attached DSR except for Route Type, Mobile, and Corrective Re-stripe. These fields will be drop downs to be chosen by the user. The route length shall be calculated from the GPS data and not the manually entered milepoints. The DSR shall compute the total striped line length in "Totals Summary" once the user picks the "Route Type."

Prior to starting striping operations, make all stripers available at a central location within Kentucky designated by the Department for inspection by the Department for compliance to Kentucky Method 64-267 and DLS requirements. Striping trucks that can fulfill the requirements of this method and these notes will be approved for use on this Contract. Striping trucks that have not been approved for use by Department personnel will not be allowed to stripe as part of this Contract. The Department reserves the right to perform random field verifications of striping equipment during this Contract.

The Engineer may require the Contractor to provide detailed operating instructions from the manufacturer of the striping equipment and/or the DLS if quality or reporting issues arise at any time during the Contract. The Contractor shall then be required to operate the striping equipment within the suggested operating guidelines of the manufacturer, with particular emphasis on the speed of the striping operation, or make other adjustments until the quality of the striping is satisfactory to the Engineer.

The Contractor shall provide a separate sweeping unit powerful enough to remove normal highway dirt and debris. This unit shall not be a part of the striper.

CONSTRUCTION

Except as specified herein apply all striping according to Section 713.

SURFACE PREPARATION

Prepare the pavement surface for the striping operation in accordance with Section 713.03.02. Sweep all pavement surfaces prior to striping and maintain the cleaning operation far enough in advance of the striping operation to prevent any dust from the cleaning operation from mixing with the paint. The sweeper must maintain contact with the roadway. When the Engineer determines abnormal amounts of debris or other material have accumulated beyond the capability of the required sweeping unit which will require shoveling or other means to remove, the Engineer will make arrangements, prior to painting, to have the material removed by the Department or that section of roadway will be deleted from the Contract.

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QUALITY CONTROL (QC) and QUALITY ASSURANCE (QA)

The Contractor shall designate a Quality Control Coordinator (QCC) for the project who will be the contact person for any questions or concerns regarding the quality of the work performed under this Contract. The OCC shall:

- Hold current qualification from the Department as a Pavement Marking Inspection Technician;
- Plan and oversee the Contractor's evaluation of the lines applied on the project;
- Complete and submit Daily Striping Reports to the Engineer within 24 hours of completion of that days striping;
- Ensure that the DLS manufacturer submits electronic DLS raw data and Excel spreadsheets from the secure server by e-mail, at the e-mail addresses provided at the preconstruction meeting, to designated field personnel no later than the first working day following application of the pavement markings.
- Verify the electronic records are completed and received by the Engineer prior to the records being removed from the pavement marking equipment.
- Coordinate and review or Perform KM-202, for each section of striping and provide completed test reports (electronic copy) along with printouts from the handheld retroreflectometer to the Engineer within one (1) working day of completion (failure to provide the printouts will cause the Department to not accept that section and require corrective work in order to be eligible for the final 50% payment);
- Document all adjustments made to the application process to consistently produce the quality of line desired;
- Notify the Engineer of any changes in the striping work plan that are determined necessarv
- Inform and mobilize crews to complete restriping or corrective work (after notification by the Department);
- Supply the appropriate certifications for paint and the DLS to the Engineer assigned to the particular project at the time of sampling;
- Track the quantities of materials supplied by the Contractor's vendors and applied by the painting crew;
- Meet with the Engineer to discuss and/or conduct field reviews on the project throughout the execution of the Contract;
- Perform QC testing in accordance with KM-202 for each section of striping on zones selected by the Department based on KM-64-113 The Department will **NOT** provide advanced notice of the randomly selected zones to the Contractor prior to the striping being placed, but will only provide the locations for each randomly selected zone on the day of the test. The Department's QA inspector will coordinate the date of the test with the Contractor's OCC.

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At the Pre-construction Conference, the Contractor shall furnish the Department for approval a Quality Control Plan (QCP) that covers in detail the following items:

- The name, address, phone and fax numbers for the QCC;
- The names of individuals other than the QCC taking readings in accordance with KM-202 (these people shall hold qualification from the Department as Pavement Marking Inspection Technicians);
- An overall work plan which states the estimated starting and completion dates for the entire project, the number of crews to be used on the project and a general description of how the project will be completed;
- A description of the striping equipment to be used on the project, including make and model of each striper, minimum and maximum operating speeds, and type of instruments to be used to calibrate the flow of paint and beads:
- The frequency and method to be used to monitor application rates and quality of the line (specifically with regard to retroreflectivity, width, thickness, bead distribution, tracing accuracy, etc.);
- A list of paint(s) and bead(s) to be used in this Contract along with a statement from the paint manufacturer that indicates the recommended minimum and maximum application temperatures for ambient temperature, pavement temperature, paint temperature, and guidelines for any other environmental factors that would adversely affect the successful performance of the paint;
- The contact person, phone, e-mail and fax numbers for reporting claims for paint on
- A description and product literature of the reflectometer to be used by the Contractor;
- A description, product literature, and manufacturer's certification of the DLS to be used by the Contractor;
- The manufacturer's sampling procedure for sampling paint from the tote.

Obtain the Engineer's acceptance of the Contractor's OCP prior to the start of work. The Department reserves the right to require the Contractor to make changes in the QCP to obtain the quality specified in the Contract.

After acceptance by the Department, the Contractor shall notify the Engineer in writing of any proposed change(s) to the QCP. Proposed changes are subject to acceptance by the Department.

The Department will perform Quality Assurance (QA) testing on (at least) one segment of each section of striping completed by the Contractor. QA testing is intended to verify the Contractor's QC test data. Upon receipt of the Contractor's QC test reports for each section, the QA Inspector will randomly select (at least) one segment for OA evaluation. The Department will NOT provide advance notice to the Contractor of the selected segment. The Department will perform the test in accordance with KM-202 with the exception that QA testing will be conducted within the later of 30-60 calendar days after the striping application or 2 weeks of receipt of the Contractor's QC report.

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The Department will base payment for each section evaluated in accordance with KM-202 on the Contractor's QC test results if the QC and QA mean values for each segment selected for QA testing differ by less than 10% of the QA mean value.

If a dispute should arise regarding the acceptability of the Contractor's QC test results the dispute resolution shall be conducted as follows:

- 1. If the retroreflectivity values obtained during the QA testing within a segment indicate a change in pay quantities (i.e. QC readings are passing and QA readings are failing) and the mean values differ by more than 10% of the QA mean value; additional testing will be required. Discard the original QC and QA test results for the section in question. The QA will randomly establish three new zones, in accordance with KM-113, in each segment within the section in question. The QC and QA will jointly evaluate each new zone within the section in accordance with KM-202 (with the exception of the evaluation period if greater than 60 days). The QC test results for each segment will be used for evaluation of the section if the QC and QA mean values for each segment differ by less than 10% of the OA mean value.
- 2. If the variance between QC and QA testing does not indicate a change in the pay quantities for the section (i.e. QC and QA readings are both passing) however, the QC mean values differ by more than 10% of the QA mean value, additional readings will not be required. Accept the QC test results for evaluation of the section. However, additional testing within the section in question should be conducted as soon as possible to determine the cause of the discrepancy. The Contractor and the Engineer shall document the resolution to the discrepancy.
- 3. If resolution to a dispute or variance of QC and QA test results cannot be achieved by the QC and QA, additional testing will be required. Discard the QC and QA test results for the section in question. Additional testing will be conducted by the QC, QA, and representatives of Central Office Division of Materials. Additional testing will be conducted within two weeks of receipt of a written request from the Engineer to the Division of Materials for each section in question. Three new zones, randomly selected in accordance with KM-113, will be established by the QA for each segment of the section in question. Each instrument to be used for testing will be calibrated in the presence of Central Office representatives prior to initiation of testing. The QC, QA and Central Office representatives will obtain readings for each new zone in accordance with KM-202 (with the exception of the evaluation period if greater than 60 days). The QC test results for each segment will be used for evaluation of the section if the OC mean values for each segment differ by less than 10% to the mean value obtained by Central Office. The OA test results for each segment will be used for evaluation of the section if the QC mean values differ by more than 10% to the mean value obtained by Central Office and the QA mean value differs by less than 10% to the Central Office mean value. If neither the QC nor QA mean values meet these requirements, the Central Office mean value for each segment will be used to evaluate the section in question. These results will be final and the basis of payment for the section in question.

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The Contractor shall incur all costs associated with additional testing performed by Department personnel for dispute resolution that does not result in the use of QC test data as the basis of payment. These costs will include the cost to maintain and control traffic.

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The Department reserves the right to take over the QC portion of testing. In the event that the Department exercises this option, the Contractor will incur the cost of testing performed by the Department.

The Department reserves the right to evaluate retroflectivity on designated routes, in whole or in part, in accordance with KM-203. The Department will identify routes or portions of routes to be evaluated in accordance with KM-203. The evaluation of a section in accordance with KM-203 will be conducted at the Departments expense.

The Department will require the Department's approved vendor performing retroflectivity evaluation in accordance with KM-203 to successfully demonstrate compliance to his/her quality control procedures prior to collection of data for this Contract. The Department will select an appropriate test site for demonstration purposes and conduct joint evaluations of both yellow and white longitudinal markings within the test site using approved 30M geometry handheld instruments. The demonstration will be deemed successful if the mean average obtained by the approved vendor differs by less than 10% to the mean average obtained by the Department for each marking evaluated within the test site.

The Department will base payment for each section evaluated in accordance with KM-203 solely on the test results obtained by the Department's approved vendor. Completed test results submitted by the Department's approved vendor will be considered final and are not subject to dispute.

The Department will furnish the Contractor with a blank electronic copy of the Contractors Daily Striping Report (DSR). The Contractor shall complete and furnish this standard DSR to the Engineer's office the next calendar day for each crew for each color and width of line applied. The information on the DSR shall reflect the milepoints and quantities for striping completed for that day and for that crew. The Contractor shall also include with the DSR the certification for the paint used on that day's striping according to Section 842.05 and 846.05, as applicable.

Export DLS reports each calendar day to the manufacturer's secure server. Ensure that the DLS manufacturer submits electronic DLS raw data and Excel spreadsheets from the secure server by e-mail, at the e-mail addresses provided at the preconstruction meeting, to the designated field personnel no later than the first working day following application of the pavement markings. Verify the electronic records are completed and received by the Engineer prior to the records being removed from the pavement marking equipment.

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APPLICATION OF STRIPING

Roadways shall be marked with 4", 6", 8" and 12" lines as indicated in the summaries and/or as directed by the Engineer. The four-inch line shall be not less than four inches nor more than five inches in width. The six-inch line shall be not less than six inches nor more than seven inches in width. The centerline of all newly applied lines shall be within one inch of the centerline of the existing stripe. Mark all Interstate and Parkway System Routes and other routes listed on the summaries for 6 inch striping using Durable Waterborne Paint meeting the requirements of Section 846, except as specified herein. Mark all other routes with four-inch lines using Waterborne Paint meeting the requirements of Section 842, except as specified herein. Apply Gore area markings at twice the width of the normal line width on that portion of roadway. All lines shall have distinct, clean edges with proper bead distribution across the entire width and length of the line.

Passing zones and lane lines shall be installed as a 10' segment of paint with a 30' gap. The length of the 10' segment shall not be less than 10' nor longer than 10 feet 6 inches. The stripegap cycle shall be not less than 39 feet 6 inches and no longer than 40 feet 6 inches.

Apply paint, in a single pass, in accordance with the application rates in Section 713.03.03. Contrary to Section 713.03.03, the Contractor may apply beads at any application rate that meets the retroreflectivity requirements of Section 713.03.05.

The Contractor shall be responsible for protecting the painted line from traffic until dry in order to eliminate tracking. Retroreflectivity readings will be taken on zones with substantial amounts of tracking and the readings will be used in the calculation of payment. If the Contractor elects to use additional traffic control devices beyond what is specified in the TRAFFIC CONTROL PLAN, the additional cost shall be incidental to the bid item "Maintain and Control Traffic".

If the Engineer determines that the quality of the striping applied by the Contractor is unsatisfactory with regard to retroreflectivity, bead distribution, paint thickness, overspray, accuracy of retracing, line width, consistency, tracking, etc., the Engineer may stop the striping operation immediately until the Contractor can demonstrate that the problem has been corrected. If it is determined by the Engineer that the striping is not applied at the specified application rate, restriping will be required.

CLEANING OF APPLIED STRIPING

The Contractor has the option to clean accumulated debris from affected route prior to performing QC testing. Cleaning is defined as a single pass using the broom truck to remove accumulated debris from the affected striping. Notify the Engineer 48 hours prior to performing the cleaning operations.

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MARKING REMOVAL

The Contractor shall be responsible for all necessary cleanup of any paint or other material that is spilled onto the pavement or elsewhere as a result of his operations and for correcting any striping error (including tracking and rain damage) that the Engineer determines removal to be required. Contrary to Section 713.03.04, remove all striping errors or paint spills by water blasting only (see attached note) at no additional cost to the Department. This removal process shall be performed in a manner that shall not be detrimental to the pavement. Upon notification of a striping error or paint spill by the Engineer, the Contractor shall be required to begin the process of correcting the striping error or paint spill within five (5) working days and shall work continuously to complete the corrective work prior to striping any other section of roadway included in this Contract.

Prior to retracing, the Engineer will notify the Contractor if existing striping errors need to be removed. Contrary to Section 713.03.04, remove all existing striping errors by water blasting only (see attached note). The Department will measure and pay for water blasting removal of existing stripes directed by the Engineer in linear feet.

PAINT ON VEHICLES

The Contractor shall be responsible for addressing disputes with the public regarding paint on vehicles that occur as a result of his operations. All complaints from the public shall be addressed in a timely manner and the Contractor must demonstrate a "good faith" attempt to resolve disputes to the satisfaction of the citizen. However, the Contractor shall have the right to dispute fault and refuse settlement in cases where the Contractor feels that paint on the vehicle was a result of negligence on the part of the citizen. Unresolved disputes involving paint on vehicles shall be handled through the legal system. The Department shall not be held responsible for paint on vehicles under any circumstances.

RETROREFLECTIVITY REQUIREMENTS

The minimum retroreflectivity requirements shall be in accordance with Section 713.03.05A of the Standard Specifications.

Restriping will be required for striping that fails to meet the minimum retroreflectivity requirements. The provisions for restriping are described in the section of this Contract entitled MEASUREMENT AND PAYMENT. Complete the restriping within 15 calendar days after notification by the Engineer except that restriping will be suspended after October 15, 2019 until the following spring at the discretion of the Engineer. All re-striping not completed by October 15, 2019 will be re-striped at the Engineer's discretion as a priority route in the spring of 2020 and completed by June 1, 2020. All aspects of this specification shall apply to lines that are repainted due to failure to meet the requirements of this specification including the retroreflectivity requirements.

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Contract ID: 192011

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SCHEDULING

At the Pre-construction conference, the Engineer may provide the Contractor with a list of Priority Routes (not to exceed 10 percent of the total project estimate) which are to be striped prior to June 1, 2019. The painting of all scheduled routes shall be completed by August 15. **2019.**

The Contractor shall coordinate the daily striping schedule, one week in advance, with the Engineer. Unless approved by the Engineer, complete all striping in a county, for that type of paint, before starting striping for that type of paint in another county (for this Contract there are four types of paint striping: 4" yellow, 4" white, 6" yellow, and 6" white). The Contractor shall ensure that once striping begins on a section that ALL striping on that section must be completed within one week. Failure to comply with this requirement will result in withholding of pay estimates.

The Engineer may eliminate any route from the schedule at any time prior to striping if it is determined that the route does not require retracing. Also, the Engineer may add additional routes to be striped. The Contractor shall be notified of added routes prior to July 1, 2019.

CONTRACT COMPLETION AND LIQUIDATED DAMAGES

All priority routes shall be striped by June 1, 2019. Contrary to the Standard Specifications, no time extension will be granted for failure to complete striping of these priority routes by the June 1, 2019 milestone completion date. Liquidated damages in the amount specified in Section 108.09 of the Standard Specifications will be assessed for each day that any priority route remains unstriped after June 1, 2019.

Sections that are required to be re-striped due to failure to meet retroreflectivity requirements must be completed within 15 calendar days after notification by the Engineer. The Department will assess Liquidated Damages in the amount specified in Section 108.09 of the Standard Specifications for each day beyond the 15 calendar days that the restriping is not completed and shall accrue until October 15, 2019. Failure to complete all necessary corrective work by the October 15, 2019 deadline will result in no additional payment for the stripe beyond the 50% that was initially paid for the installation of the stripe and payment will be based upon the Payment Schedule. At the Engineer's discretion, necessary corrective work not completed by the October 15, 2019 deadline may be required to be re-striped in the spring of 2020 as a priority route with a completion date of June 1, 2020. Any re-stripe required by the Engineer that is not completed by June 1, 2020 shall accrue liquidated damages until October 15, 2020.

All routes that are required to be striped under this Contract shall be completed by August 15, 2019. Contrary to the Standard Specifications, no time extension will be granted. Liquidated damages will apply in accordance with Section 108.09 of the Standard Specifications for failure to complete the striping by August 15, 2019. Liquidated damages will accrue until October 15, 2019; no striping shall be performed after this date.

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Remove all striping errors and spills within five (5) working days after notification by the Engineer. Liquidated damages, in the amount specified in Section 108.09 of the Standard Specifications, shall apply for each day beyond the five (5) working days that the Contractor has not begun to correct the striping error/spill or continuously work to complete the corrective work.

The Department will apply all Liquidated Damages accumulatively.

RE-TESTING OF FAILURES

The Department's costs associated with re-testing of striping failures for Kentucky Method 203 shall be reimbursed to the Department by the Contractor. The reimbursement shall include mobilization of the Department's mobile striping vendor's mobile testing machine as well as the current per mile rate for the mobile striping according to the Cabinet's Master Agreement.

MEASUREMENT AND PAYMENT

STRIPING: The Department will measure the paint striping of each type in linear miles of paint stripe. The Department will measure the quantity at twice the rate for a 4-inch line when an 8inch line is applied or twice the rate for a 6-inch line when a 12-inch line is applied.

The Department will pay 50% of the Contract Unit Bid price for the applicable bid items after application of all striping to a particular section of roadway. Contrary to Section 104.02.02, the overrun and underrun formula shall not apply to this Contract. The remaining payment will be made based upon the following procedure and the Payment Schedule:

- 1. Each section of striping will be evaluated in accordance with KM-202 or KM-203, as applicable, and the OC/OA testing specified herein, for the purpose of evaluating retroreflectivity.
- 2. If a Section is accepted in accordance with the appropriate Kentucky Methods, the Department will make final payment according to the Payment Schedule listed below.
- 3. If a section is not accepted in accordance with the appropriate Kentucky Methods, restripe the entire section within fifteen (15) calendar days after notification by the Engineer subject to the same requirements as the original striping at no additional cost to the Department. If the restriped Section is accepted in accordance with the appropriate Kentucky Methods, the Department will make final payment according to the following Payment Schedule. If the section is not restriped by October 15, 2019, the Department will not make final payment and re-striping may be required in the spring of 2020 where the corrective work will become a priority route and re-striping must be completed by June 1, 2020. If the Engineer does not require re-striping to be completed in the spring of 2020, the Contractor shall accept the deduction in payment for the section that has been determined to be unacceptable.

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Payment Schedule

	Initial Payment	Final Payment	Total Payment
Section is Accepted	50%	50%	100%
Section is Not Accepted	50%	0%	50%

QUALITY CONTROL: The Department will measure and pay the quantity as one lump sum. The Department will not measure the QCP, the DLS, any actions and personnel required to carry out the QCP, any testing, any testing equipment, or any other work necessary to perform the specified QC/QA procedures for payment, but will consider them incidental to this item of work.

MAINTAIN AND CONTROL TRAFFIC: See Traffic Control Plan.

LAW ENFORCEMENT OFFICER: See Traffic Control Plan.

WATER BLASTING EXISTING STRIPE: See Special Note for Water Blasting Existing Stripe.

SPECIAL NOTE FOR CENTERLINE & EDGELINE RUMBLE STRIPES

Be advised there may be some centerline and edgeline rumble stripes to be retraced. Place centerline rumble stripes according to Standard Drawings TPM-155-02 and TPM-160-02. Place edgeline rumble stripes according to the detail drawings for centerline and edgeline rumble strips. Notify the Engineer if questions arise regarding the striping patterns. If necessary, the Engineer will obtain guidance from the District Traffic Engineer and/or the Division of Traffic.

SPECIAL NOTE FOR WATER'BLASTING GZKUVKPI 'STRIPE

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1.0 DESCRIPTION."Tgo qxg"r cxgo gpv"uxtkr kpi ."vgo r qtct { "qt"r gto cpgpv."htqo "cur j cnv" qt"eqpetgvg"r cxgo gpv"uukpi "wmtc/j ki j "r tguuwtg"y cvgt0"

2.0 MATERIALS AND EQUIPMENT.

- 2.1 Truck Mounted Ultra-high Pressure Pump and Water Tank.""Wug"c"vtwem' j cxkpi "c"ugrctcvg"j {f tquvcke" vtcpuo kuukqp"ecrcdrg"qh"ur ggf "kpetgo gpvu"qh"Õ8"hqqv"r gt" o kpwg"cv'qr gtcvqtøu"f kuetgvkqp0""Wug"c"r wo r "ecrcdrg"qh"f grkxgtkpi "c"o kpko wo "qh"52.222" r uk''q"c"dwo r gt "o qwpvgf "f gem'eqpvckpkpi "cp"qr gtcvqt "eqpvtqmgf "tqvcvkpi "o cpkhqnf "vj cv'ku" ur ggf "xctkcdrg" wr "vq"cv'ngcuv' 5.222"tr o "cpf" ceegr vu'kpvgtej cpi gcdrg"y cvgtlgv'pq||ngu0" Rtqxkf g" cml pgeguuct {" y cvgtlgv' pq||ng" ugwr u" cpf" r cvgtpu" vq" gpuvtg" ergcp" uvkhkekgpv' tgo qxcnl/Gpuvtg"vj g"f gemøu"f krej cti g"f ktgevu"vj g"y cvgt"cpf "tgo qxcnl/o cvgtkcnl/kp"c"o cppgt" vj cv'ku'pqv'j c| ctf qwu'vq'xgj kengu'qt'r gf guvtkcpu0'
 - 2.2 Water." Eqphqto '\q'Uge\kqp': 250'
- 3.0 CONSTRUCTION. Dghqtg"uxctvkpi "y qtm"r tqxkf g" y g"Gpi kpggt" y ky "c"eqpvtcevqt" y qtm"j knqt{"qh"4"r tqlgevu"y j gtg"uxtkr kpi "tgo qxcn"y cu"eqo r ngvgf "ceegr wcdn("hqt"c"uko krxt" v{r g"qh"r cxgo gpv0"Ki"pq"j knqt{"ku"cxckrxdng."eqo r ngvg"3.222"nkpgct"hggv'qh'uxtkr kpi "tgo qxcn" cpf "qdvckp" y g"Gpi kpggtøu"crrtqxcn'dghqtg"eqpvkpwkpi 0'

Eqpf wev'untk kpi "tgo qxcn'wpf gt "ncpg" enqunt gu" o ggykpi "yj g"eqpf kkqpu"qh'yj g"O WVEF" cpf "Mgpwent "Ucpf ctf "F tcy kpi u"cpf "Ur gekhecykqpu0"Y cygtdncuv'\q"tgo qxg"ygo r qtct { "qt" r gto cpgpv'untk kpi "eqo r ngygn("cu"yj g"Gpi kpggt"f ktgevu0"F q"pqv'f co ci g"yj g"r cxgo gpv'kp" cp{ "cpf "r tqygev'cmi'lqkpv'ugcnu0'Ki'f co ci g"ku"qdugtxgf ."unqr "yj g"tgo qxcn'r tqeguu"wpvkn' yj g"r gcvqt"ecp"o cmg"ej cpi gu"cpf "f go qpuntcyg"ceegr wcdng"untkr kpi "tgo qxcn'0"T gr ckt"cp{ "f co ci g"vq"yj g"r cxgo gpv0'Xcewwo "cm'o ctmkpi "o cygtkcn'cpf "tgo qxcn'f gdtku"eqpewttgpvn(" y kj "yj g"dncuvkpi "qr gtcvkqp0'

- 4.0 MEASUREMENT."Vj g"F gr ctvo gpv"y km"o gcuwtg" yj g"s wcp vkv{ "kp"nkpgct"hggv0'Y j gp" yj g"tgo qxcn'ctgc¢u"y kf yj "gzeggf u": "kpej gu"cpf "c"ugeqpf "r cuu"ku"tgs vktgf." yj g"F gr ctvo gpv" y km"o gcuwtg" yj g"ngpi yj "qh" yj g"cf f kkqpcn'r cuu"hqt" Rc{o gpv0'"Vj g"F gr ctvo gpv"y km'pqv" o gcuwtg"hqt"r c{o gpv"cf f kkqpcn'r cuugu"hqt"y kf yj u"qh": "kpej gu"qt"nguu"qt"r cuugu"q"hwtyj gt" gtcf kecvg"o ctmkpi u0'Vj g"F gr ctvo gpv"y km"pqv"o gcuwtg"tgr ckt "qh"f co ci gf "r cxgo gpv"hqt" rc{o gpv"cpf "y km'eqpukf gt"kv"kpekf gpvcn'vq"yj ku"kygo "qh"y qtm0'
- **5.0 PAYMENT.** Vj g"F gr ctvo gpv"y km"o cmg"r c{o gpv"hqt"yj g"eqo r ngvgf "cpf "ceegr vgf " s wcpvkkgu"wpf gt "yj g"hqmqy kpi <

<u>Eqf g</u> "	<u>Rc{''Kgo'''</u>	"	"	Rc{''Wpkv
44886GP ' """	'"Y cvgt 'Drcuvkpi	'Gz kıvkpi	"Utkr g"""	""""""Nkpgct'Hqqv'

Vj g"F gr ct vo gpv'y km'eqpukf gt"r c $\{o$ gpv'cu"hwm'eqo r gpuckqp"hqt"cm'y qtm'tgs wkt gf "wpf gt" y ku'pqvg0'

Qevqdgt'52.'4234"

SPECIAL NOTE FOR PROJECTS TO BE RESURFACED IN 2019

Be advised that some projects listed herein may be scheduled for resurfacing in 2019. The Engineer may delete the striping on these routes from this Contract.

COORDINATION OF WORK WITH OTHERS

Be advised, the Department may issue permits for work on the Department's right of way adjacent to or within the limits of this project. See Sections 107.06 and 107.14. The Engineer will coordinate the work of the Contractor and the permit holders.

Be advised, there may be an active project(s) adjacent to or within this project. The Engineer will coordinate the work of the Contractors. See Section 105.06.

Be advised the Department may be performing work adjacent to or within this project. The Engineer will coordinate the Department's operations with the Contractor's work. See Section 105.11.

The Department will not grant any time extension or monetary consideration, and will not consider any claims if the Contractor's forces are delayed in their operations.

TRAFFIC CONTROL PLAN DURABLE WATERBORNE AND WATERBORNE PAINT STRIPING

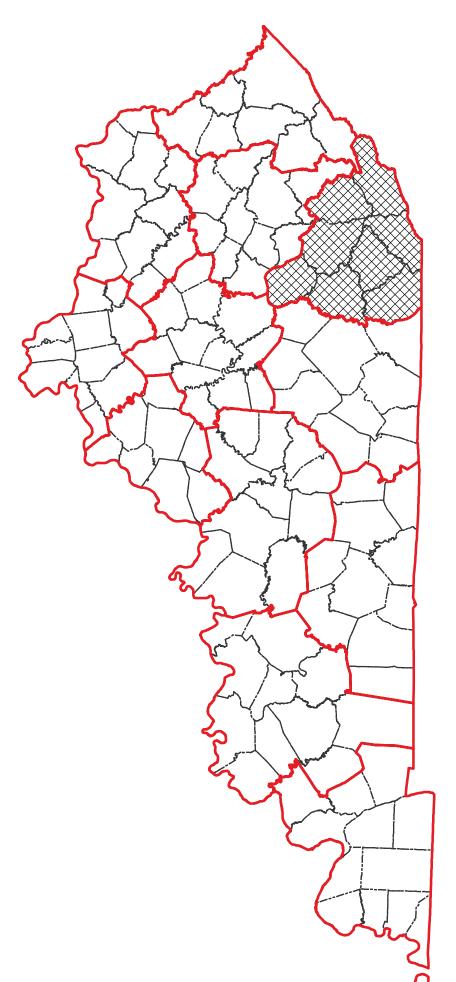
- 1. Maintain and Control Traffic in accordance with the <u>Standard Specifications for Road and Bridge Construction</u>, Supplemental Specification, Standard and Sepia Drawings, and the <u>MUTCD</u>, current editions.
- 2. Contrary to Section 112, include all items necessary to maintain and control traffic in the lump sum bid item "Maintain and Control Traffic". The Department will measure and pay only the bid items listed; consider all other work and necessary items to be incidental to the listed bid items. The Department will measure and pay "Maintain and Control Traffic" as one lump sum.
- 3. Maintain possession of all temporary traffic control items, devices, materials, and incidentals, unless otherwise specified in the proposal, when no longer needed.
- 4. If the Contractor desires to deviate from the traffic control scheme outlined in the Standard Drawings, prepare an alternate plan and present it in writing to the Engineer. Do not use the alternate plan until reviewed and approved by the District Engineer and the Divisions of Construction, Maintenance, and Traffic Operations.
- 5. Provide for the Contractor's vehicles to always move with and not across or against the flow of traffic. Do not allow vehicles to make U-turns at any location. Do not allow the striper to stop and back down the road or ramps to stripe gore lines and turn lanes. Require vehicles to enter or leave work areas in a manner that will not be hazardous to, or interfere with, normal traffic flow. Do not allow vehicles to park or stop within the right-of-way except within work areas designated by the Engineer. Do not allow personal vehicles to park within the right-of-way except in specific areas designated by the Engineer.
- 6. Do not allow the paint supply truck to operate as one of the traffic control vehicles shown on the Standard Drawings. If one of the required traffic control vehicles experiences mechanical problems or for some other reason is not available to remain in position as shown in the traffic control scheme, cease the striping operation until all required vehicles are in place.
- 7. Do not perform striping operations on any roadway during the peak times of the day, holiday periods, or special events as determined by the Engineer.
- 8. On two-lane, two-way highways, make provisions to the satisfaction of the Engineer to periodically allow traffic to safely pass the train of vehicles in the striping operation.

Traffic Control Plan Durable Waterborne & Waterborne Paint Striping Page 2 of 2

- 9. In low speed, urban situations, the Engineer may permit the Contractor to delete the intermediate trail vehicle between the striper and the final trail vehicle shown on the Standard Drawings.
- 10. If requested by the Contractor, the Engineer may approve Law Enforcement Officer Police Support on Interstate highways when striping operations are taking place. If the Contractor requests Law Enforcement Officer Police Support on other than Interstate Highways, provide written justification for the Engineer's approval. If approved, provide two (2) police support units for each lane closure, each unit consisting of an off-duty law enforcement officer from any police agency having lawful jurisdiction and a police car equipped with externally mounted flashing blue lights. Place the police support unit at locations determined by the Engineer. The Department will measure and pay for each approved individual police support unit on a per hour basis for the officer with the police vehicle.

VARIOUS COUNTIES Contract ID: 192011 FE0/1 121 DW19 0110000

District Highway





2019 DURABLE WATERBORNE PAINT STRIPING - DISTRICT 11 INTERSTATE AND PARKWAY SYSTEMS - 6 INCH LINES

		MILEP	OINTS	ROADWAY	MILEP	OINTS	YELLOW	MILEF	PONTS	WHITE	
COUNTY	ROUTE	BEGIN	END	LENGTH	BEGIN YELLOW	END YELLOW	STRIPE LENGTH	BEGIN WHITE	END WHITE	STRIPE LENGTH	COMMENTS
BELL ¹ (KY)	US 25E	0.000	0.600	0.600	0.000	0.600	1.200	0.000	0.600	2.400	KY portion of Cumberland Gap Tunnel
CLAIBORNE ¹ (TN)	US 25E	0.000	0.351	0.351	0.000	0.351	0.702	0.000	0.351	1.404	TN portion of Cumberland Gap Tunnel
LAUREL	HAL ROGERS PKWY	0.117	8.831	8.714	0.117	8.831	17.428				
LAUREL	HAL ROGERS PKWY	4.037	8.831	4.794				4.037	8.831	9.732	
LESLIE	HAL ROGERS PKWY	35.929	51.026	15.097	35.929	51.026	27.175	35.929	51.026	33.213	
WHITLEY	I-75	5.552	27.943	22.391	5.552	27.943	44.782	5.552	27.943	55.978	
WHITLEY	I-75 RAMPS						2.700			6.000	Exit 11 and Exit 15 ramps only

GRAND TOTAL 6 INCH LINES

51.947

93.987

108.727

NOTES 1. STRIPE THE ENTIRE LENGTH OF THE CUMBERLAND GAP TUNNEL IN BOTH KENTUCKY AND TENNESSEE. THE ENGINEER WILL COORDINATE THE WORK WITH THE CUMBERLAND GAP TUNNEL AUTHORITY.

- 2. 6 INCH LINES SECTION 846
- 3. ESTIMATED QUANTITIES ONLY. RETRACE AS DIRECTED BY THE ENGINEER. THE DEPARTMENT WILL MEASURE AND PAY ONLY ACTUAL QUANTITIES TRACED.

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 MP SYSTEM - 4 INCH LINES

County	Route	Begin	End	Road	Begin		Yellow	Begin		White	Comments
County		Бедіп		Miles	Yellow	Yellow	Miles	White	White	Miles	Comments
Bell	US 25E	0.600	18.651	18.051	0.600	18.651	37.907		18.651	46.628	
Bell	US 119	0.000	15.880	15.880	0.000	15.880	33.348	0.000	15.880	34.936	
Bell	KY 66	4.985	18.424	13.439	4.985	18.424	26.878	4.985	18.424	26.878	
Bell	KY 74	11.291	12.995	1.704	11.291	12.995	3.408				MP & RS Route
Bell	KY 74	12.995	16.753	3.758	12.995	16.753	6.764	12.995	16.753	7.516	MP & RS Route
Bell	KY 92	0.000	11.160	11.160	0.000	11.160	20.088	0.000	11.160	22.320	
Bell	KY 186	0.000	2.977	2.977	0.000	2.977	5.954				
Bell	KY 221	0.000	12.633	12.633	0.000	12.633	22.739	0.000	12.633	25.266	
Bell	KY 441	4.257	4.897	0.640	4.257	4.897	1.152				MP & RS Route
Bell	KY 987	4.576	13.371	8.795	4.576	13.371	17.590				MP & RS Route
Bell	KY 2079	0.000	3.036	3.036	0.000	3.036	6.072	0.000	3.036	6.072	
Bell	KY 2395	0.000	0.766	0.766	0.000	0.766	1.532				
Bell	KY 2401	0.000	1.136	1.136	0.000	1.136	2.272				
Bell	KY 2402	0.000	1.392	1.392	0.000	1.392	2.784				
Bell	KY 3085	0.000	2.025	2.025	0.000	2.025	4.050	0.000	2.025	4.050	
Bell	KY 3151	0.000	0.524	0.524	0.000	0.524	1.048				
Bell	KY 3502	0.000	0.349	0.349	0.000	0.349	0.698				
											T
Clay	US 421	0.000	16.915	16.915	0.000	16.915	30.447		16.915	33.830	
Clay	US 421	16.915		0.430	16.915	17.345	0.860		17.345	1.075	
Clay	US 421		18.027	0.682	17.345	18.027	1.705		18.027	1.705	
Clay	US 421	18.027		2.180	18.027	20.207	5.450	18.027		4.360	
Clay	US 421	20.207	32.824	12.617	20.207	32.824	22.711	20.207		25.234	
Clay	KY 11	0.000	26.623	26.623	0.000	26.623	47.921		26.623	53.246	
Clay	KY 66	0.000	33.217	33.217	0.000	33.217	59.791	0.000	33.217	66.434	
Clay	KY 66 C	0.000	0.177	0.177	0.000	0.177	0.354	0.000	0.177	0.354	
Clay	KY 80	0.000	7.537	7.537	0.000	7.537	13.567	0.000	7.537	15.074	
Clay	KY 472	0.000	8.222	8.222	0.000	8.222	14.800				
Clay	KY 1850	0.000	2.840	2.840	0.000	2.840	5.680				
Clay	KY 2438	0.000	0.185	0.185	0.000	0.185	0.370				
Clay	KY 2440	0.000	0.057	0.057	0.000	0.057	0.114				
Clay	KY 2440	0.262	0.594	0.332	0.262	0.594	0.664				
Clay	KY 2443	0.000	0.374	0.374	0.000	0.374	0.748				
Clay	KY 2467	2.300	3.931	1.631	2.300	3.931	3.262				
Clay	KY 3014	0.000	0.283	0.283				0.000	0.283	0.566	EL Only
Clay	KY 3479	0.000	0.172	0.172	0.000	0.172	0.344	0.000	0.172	0.344	
Clay	KY 3560	0.000	1.364	1.364	0.000	1.364	2.728				

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 MP SYSTEM - 4 INCH LINES

County	Route	Begin	End	Road	Begin	End Yellow	Yellow	Begin	End	White	Comments
	110 440			Miles	Yellow		Miles	White	White	Miles	
Harlan	US 119	0.000	13.213	13.213	0.000	13.213	23.783	0.000	13.213	29.069	
Harlan	US 119	13.213	39.182	25.969	13.213	39.182	36.357		39.182	57.132	
Harlan	US 421	0.000	13.938	13.938	0.000	13.938	25.088	0.000	13.938	29.270	
Harlan	US 421	13.938	17.851	3.913	13.938	17.851	9.783	13.938		10.174	
Harlan	US 421	17.851	26.888	9.037	17.851	26.888	17.170	17.851	26.888	18.074	
Harlan	KY 38	0.000	8.504	8.504	0.000	8.504	15.307	0.000	8.504	17.008	
Harlan	KY 38	8.504	29.474	20.970	8.504	29.474	41.940	0.000	40.000	04.070	
Harlan	KY 160	0.000 10.839	10.839 11.846	10.839	0.000	10.839 11.846	21.678 2.014	0.000	10.839	21.678	
Harlan Harlan	KY 160 KY 160	11.846	14.584	1.007	11.846	14.584	5.476	11 9/6	14.584	5.476	
Harlan	KY 221	0.000	21.560	2.738 21.560	0.000	21.560	38.808		21.560	43.120	
Harlan	KY 221	21.560	26.767	5.207	21.560	26.767	10.414	0.000	21.300	43.120	
Harlan	KY 413	0.000	5.022	5.022	0.000	5.022	10.414				
Harlan	KY 1084	0.000	1.571	1.571	0.000	1.571	3.142				
Harlan	KY 2425	0.000	0.352	0.352	0.000	0.352	0.704				
Harlan	KY 2428	0.000	0.332	0.352	0.000	0.352	0.704				
Harlan	KY 2429	0.000	0.254	0.254	0.000	0.234	0.506	0.000	0.186	0.372	EL Only
Harlan	KY 2429	0.000	1.305	1.305	0.000	0.664	1.328	0.000	0.100	0.372	EL Offig
Harlan	KY 3001	0.000	3.238	3.238	0.000	3.238	6.476	0.000	3.238	6.476	
Harlan	KY 3099	0.000	1.697	1.697	0.000	3.230	0.470	0.000	1.697	3.394	EL Only
Harlan	KY 3152	0.000	0.856	0.856	0.000	0.856	1.712	0.000	1.037	3.334	LL Offing
Harlan	KY 3459	0.000	0.904	0.904	0.000	0.904	1.808				
Harlan	KY 6256	0.000	0.056	0.056	0.000	0.056	0.112				
Hallall	10230	0.000	0.030	0.030	0.000	0.030	0.112				
									L. L		
Jackson	US 421	0.000	29.574	29.574	0.000	29.574	53.233	0.000	29.574	59.148	
Jackson	KY 30	0.000	9.121	9.121	0.000	9.121	16.418	0.000	9.121	20.066	
Jackson	KY 30	9.121	17.517	8.396	9.121	17.517	15.113	9.121	17.517	16.792	
Jackson	KY 89	15.638	31.750	16.112	15.638	28.482	23.119	28.482	31.750	6.536	MP & RS Route
Jackson	KY 290	0.000	8.850	8.850	0.000	8.850	15.930	0.000	8.850	17.700	
Jackson	KY 3443	0.000	2.580	2.580	0.000	2.580	5.160		0.000		
Jackson	KY 3629	0.000	0.600	0.600	0.000	0.600	1.200	0.000	0.600	1.200	
Jackson	KY 3630	9.355	12.523	3.168	9.355	12.523	5.702	9.355	12.523	6.336	
1	l	L	l .		L	<u>I</u>			· ·		
Knox	US 25E	0.000	26.198	26.198	0.000	26.198	52.396	0.000	26.198	65.495	
Knox	KY 6	0.000	9.494	9.494	0.000	9.494	17.089				
Knox	KY 6	13.477	14.733	1.256	13.477	14.733	2.261				
Knox	KY 11	0.000	3.272	3.272	0.000	3.272	5.890				
Knox	KY 11	10.108	22.694	12.586	10.108	22.694	22.655	10.108	22.694	25.172	
Knox	KY 225	11.955	15.019	3.064	11.955	15.019	5.515				MP & RS Route
Knox	KY 229	0.000	8.572	8.572	0.000	8.572	15.430	0.000	8.572	17.144	
Knox	KY 312	0.000	1.313	1.313	0.000	1.313	3.020	0.000	1.313	2.626	
Knox	KY 830	0.000	4.469	4.469	0.000	4.469	8.044				MP & RS Route
Knox	KY 1232	0.000	3.650	3.650	0.000	3.650	6.570				
Knox	KY 1418	0.000	2.319	2.319	0.000	2.319	4.638				
Knox	KY 1487	0.000	1.176	1.176	0.000	1.176	2.352				
Knox	KY 2413	0.000	0.198	0.198	0.000	0.198	0.396				
Knox	KY 2415		0.240	0.240	0.000	0.240	0.480				
Knox	KY 2418		0.688	0.688	0.000	0.688	1.376				
Knox	KY 2419	0.000	0.384	0.384	0.000	0.384	0.768				
Knox	KY 2420	0.000	0.376	0.376	0.000	0.376	0.752				
Knox	KY 2421	0.000	1.125	1.125	0.000	1.125	2.250				
Knox	KY 2423	0.000	0.949	0.949	0.000	0.949	1.898				
Knox	KY 3041	0.000	3.910	3.910	0.000	3.910	7.820	0.000	3.910	7.820	
Knox	KY 3085	0.000	2.140	2.140	0.000	2.140	4.280	0.000	2.140	4.280	

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 MP SYSTEM - 4 INCH LINES

			1	Dood	Begin	End	Yellow	Begin	End	White	1
County	Route	Begin	End	Road	Yellow	Yellow	Miles	White	White	Miles	Comments
Lourel	US 25	0.000	9.028	Miles 9.028	0.000	9.028	16.250	0.000	9.028	19.862	
Laurel		9.028		4.593	9.028		10.564				
Laurel	US 25	13.621	13.621			13.621		9.028	13.621	11.942 22.722	
Laurel	US 25 US 25E		23.949	10.328 2.024	13.621	23.949	18.590 4.048	13.621 0.000	23.949	5.060	
Laurel	US 25W	0.000			0.000		2.072				
Laurel	KY 30		1.036	1.036		1.036		0.000	1.036	2.072	
Laurel		0.000	4.000	4.000	0.000	4.000	10.400	0.000	4.000	9.200	
Laurel	KY 30	4.000	9.566	5.566	4.000	9.566	10.019	4.000	9.566	11.689	
Laurel	KY 80	0.000	4.000	4.000	0.000	4.000	7.200 14.422	0.000 4.000	4.000	9.200	
Laurel Laurel	KY 80 KY 80	4.000 11.211	11.211 24.927	7.211 13.716	4.000 11.211	11.211 24.927	24.689	11.211	11.211 24.927	18.028 27.432	
Laurel	KY 192	0.000	18.228	18.228	0.000	18.228	32.810	0.000	18.228	36.456	
	KY 192	18.228	22.041	3.813	18.228	22.041	8.770		22.041	9.533	
Laurel	KY 229							0.000			
Laurel	KY 354	0.000	12.211	12.211	0.000	12.211	21.980	0.000	12.211	24.422	
Laurel	KY 363	0.000	1.106 11.105	1.106 11.105	0.000	1.106 11.105	22.210	9.200	9.300	0.150	
Laurel	KY 472	0.000	11.586	11.586	0.000	11.586	20.855	0.000	1.000	2.000	
Laurel	KY 770	0.000	1.243	1.243	0.000	1.243	2.237	0.000	1.243	2.486	
Laurel	KY 909	0.000	1.067		0.000	1.243	1.921	0.000			
Laurel	KY 1006	5.364	6.899	1.067 1.535	5.364	6.899	3.070	0.000	1.067	2.134	MP & RS Route
Laurel Laurel			3.556	3.556	0.000	3.556	7.112	0.000	2 5 5 6	7.112	WP & RS Route
	KY 1193	0.000						0.000	3.556	1.112	MD 9 DC Doute
Laurel	KY 1223	0.000	1.139	1.139	0.000	1.139	2.278				MP & RS Route
Laurel	KY 1227	0.000	2.900	2.900	0.000	2.900	5.800				
Laurel	KY 1561	0.000	1.311	1.311	0.000	1.311	2.622				
Laurel	KY 1769	0.000	0.865	0.865	0.000	0.865	1.730				
Laurel	KY 2388 KY 2389	0.000	0.793	0.793	0.000	0.793	1.586 0.920				
Laurel		0.000	0.460	0.460	0.000	0.460					
Laurel	KY 2390	0.000	0.338	0.338	0.000	0.338	0.676				
Laurel	KY 2391	0.000	0.858	0.858	0.000	0.858	1.716	0.000	4 450	2.000	
Laurel	KY 3006 KY 3007	0.000	1.450	1.450	0.000	1.450 1.361	2.900 2.722	0.000	1.450	2.900	
Laurel	KY 3007		1.361	1.361			0.428				
Laurel		0.000	0.214	0.214	0.000	0.214	0.428				
Laurel	KY 3009	0.000	0.347	0.347	0.000	0.347					
Laurel	KY 3010	0.000	0.418	0.418	0.000	0.418	0.836				
Laurel	KY 3012 KY 3429	0.000	0.171 2.888	0.171	0.000	0.171 2.888	0.342 5.776				
Laurel		0.000		2.888	0.000			0.000	4.000	2.200	
Laurel	KY 3630	0.000	1.680	1.680	0.000	1.680	3.024	0.000	1.680	3.360	
Laurel	KY 6259 KY 6260	0.000	0.245 0.114	0.245	0.000	0.245	0.490				
Laurel	KY 6264	0.000		0.114	0.000	0.114	0.228	0.167	0.044	0.454	Dartian El Only
Laurel	KY 6267	0.000	0.244	0.244	0.000	0.167	0.334	0.167	0.244	0.154	Portion EL Only
Laurel	N1 0201	0.000	0.590	0.590	0.000	0.590	1.180				
Loclio	US 421	0.000	35 300	35 300	0.000	35.300	63.540	0.000	35 300	70 600	
Leslie	KY 66	0.000	35.300 2.755	35.300 2.755	0.000	2.755	5.510	0.000	35.300 2.755	70.600 5.510	
Leslie Leslie	KY 80	0.000	9.719	9.719	0.000	9.719	17.494	0.000	9.719	19.438	
	KY 118								3.524		
Leslie		0.000	3.524	3.524 1.753	0.000	3.524	7.048	0.000	3.524	8.105	
Leslie	KY 221	0.000	1.753	15.993	0.000	1.753	3.506				
Leslie	KY 699	0.000	15.993		0.000	15.993	31.986				
Leslie	KY 1850 KY 2431	0.000	4.940	4.940	0.000	4.940	9.880				
Leslie	KY 2431 KY 3425	0.000	0.135 0.812	0.135 0.812	0.000	0.135 0.812	0.270 1.624				
Leslie					0.000	0.012	1.024	0.000	0.510	1 020	El Only
Leslie	KY 6272	0.000	0.510	0.510				0.000	0.510	1.020	EL Only
Leslie	KY 6274	0.000	0.285	0.285				0.000	0.285	0.570	EL Only
Leslie	KY 6275	0.000	0.322	0.322				0.000	0.220	0.440	EL Only
Leslie	KY 6276	0.000	0.138	0.138				0.000	0.138	0.276	EL Only
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2019 WATERBORNE PAINT STRIPING - DISTRICT 11 MP SYSTEM - 4 INCH LINES

County	Route	Begin	End	Road	Begin	End	Yellow	Begin	End	White	Comments
_				Miles	Yellow	Yellow	Miles	White	White	Miles	Comments
Whitley	US 25W	0.000	29.610	29.610	0.000	29.610	47.376	0.000	29.610	59.220	
Whitley		29.610	33.464	3.854	29.610	33.464	6.937	29.610	33.464	9.635	
Whitley	US 25W	33.464	33.763	0.299	33.464	33.763	0.598	33.464	33.763	0.598	
Whitley	US 25W	32.427	33.362	0.935	32.427	33.362	1.870	32.427	33.362	2.104	One Way
Whitley	KY 6	0.000	1.647	1.647	0.000	1.647	2.965				
Whitley	KY 11	0.000	2.579	2.579	0.000	2.579	4.642				
Whitley	KY 26	0.000	14.319	14.319	0.000	14.319	25.774				
Whitley	KY 90	0.000	8.328	8.328	0.000	8.328	14.990	0.000	8.328	10.410	
Whitley	KY 90 S	0.000	0.318	0.318	0.000	0.318	0.572	0.000	0.318	0.398	
Whitley	KY 92	0.000	4.606	4.606	0.000	4.606	8.291	0.000	4.606	9.212	
Whitley	KY 92	4.606	9.396	4.790	4.606	9.396	8.622	4.606	9.396	10.538	
Whitley	KY 92	9.396	32.998	23.602	9.396	32.998	42.484	9.396	32.998	47.204	
Whitley	KY 204	11.749	13.099	1.350	11.749	13.099	2.700				MP & RS Route
Whitley	KY 296	0.000	1.624	1.624	0.000	1.624	3.248	0.000	1.624	0.406	
Whitley	KY 312	0.000	2.493	2.493	0.000	2.493	4.986	0.000	2.493	4.986	
Whitley	KY 312	2.493	2.632	0.139	2.493	2.632	0.320	2.493	2.632	0.278	
Whitley	KY 312	2.493	2.525	0.032	2.493	2.525	0.064	2.493	2.525	0.064	One Way
Whitley	KY 628	0.000	3.021	3.021	0.000	3.021	6.042				MP & RS Route
Whitley	KY 727	0.000	4.580	4.580	0.000	4.580	9.160				
Whitley	KY 727	3.790	4.580	0.790	3.790	4.580	0.790	3.790	4.580	0.988	One Way
Whitley	KY 856	0.000	2.047	2.047	0.000	2.047	4.094				
Whitley	KY 895	0.000	3.047	3.047	0.000	3.047	6.094				
Whitley	KY 1193	0.000	7.933	7.933	0.000	7.933	15.866	4.594	7.933	6.678	
Whitley	KY 1259	0.000	4.192	4.192	0.000	4.192	8.384				
Whitley	KY 1277	0.000	3.316	3.316	0.000	3.316	6.632				
Whitley	KY 1481	0.000	2.663	2.663	0.000	2.663	5.326				
Whitley	KY 1804	0.000	2.870	2.870	0.000	2.870	5.740				
Whitley	KY 2382	0.000	0.236	0.236	0.000	0.236	0.472	0.000	0.236	0.531	
Whitley	KY 2384	0.000	0.546	0.546	0.000	0.546	1.092				
Whitley	KY 2386	0.000	0.776	0.776	0.000	0.776	1.552				
Whitley	KY 2792	0.000	5.243	5.243	0.000	5.243	9.437				
Whitley	KY 2985	0.000	3.384	3.384	0.000	3.384	6.768				
Whitley	KY 2987	0.000	0.262	0.262				0.000	0.262	0.524	EL Only
Whitley	KY 2994	0.000	0.371	0.371				0.000	0.371	0.742	EL Only
Whitley	KY 3041	0.000	1.790	1.790	0.000	1.79	3.580	0.000	1.790	3.580	
Whitley	KY 3422	0.000	4.157	4.157	0.000	4.157	8.314				
Whitley	KY 3606	0.000	0.028	0.028	0.000	0.028	0.050	0.000	0.028	0.056	

MP Grand Total - 4 Inch Lines

905.788

1,675.611

1,369.466

NOTES 1. 6 INCH LINES - SECTION 842

2. ESTIMATED QUANTITIES ONLY. RETRACE AS DIRECTED BY THE ENGINEER. THE DEPARTMENT WILL MEASURE AND PAY ONLY ACTUAL QUANTITIES TRACED.

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 RS SYSTEM - 4 INCH LINES

				Road	Begin	End	Yellow	Begin	End	White	
County	Route	Begin	End	Miles	Yellow	Yellow	Miles	White	White	Miles	Comments
Bell	KY 72	0.000	3.371	3.371	0.000	3.371	6.068	0.000	3.371	6.742	
Bell	KY 74	0.000	11.291	11.291	0.000	11.291	22.582				MP & RS Route
Bell	KY 188	0.000	4.066	4.066	0.000	4.066	7.319				
Bell	KY 217	0.000	8.789	8.789	0.000	8.789	17.578				
Bell	KY 225	0.000	1.378	1.378				0.000	1.378	2.756	EL Only
Bell	KY 441	0.000	4.257	4.257	0.000	4.257	7.663				MP & RS Route
Bell	KY 535	0.000	0.600	0.600	0.000	0.600	1.200				
Bell	KY 987	0.000	4.576	4.576	0.000	4.576	9.152				MP & RS Route
Bell	KY 987	13.371	19.355	5.984	13.371	19.355	11.968				MP & RS Route
Bell	KY 988	0.000	1.701	1.701	0.000	1.701	3.402				
Bell	KY 1344	0.000	5.634	5.634	0.000	5.634	11.268				
Bell	KY 1491	0.000	2.332	2.332	0.000	2.332	4.664	0.000	1.766	3.532	
Bell	KY 1534	0.000	5.840	5.840	0.000	5.840	11.680				
Bell	KY 1595	0.000	1.486	1.486	0.000	1.486	2.972				
Bell	KY 1630	0.000	1.300	1.300	0.000	1.054	2.108	1.054	1.300	0.492	Portion EL Only
Bell	KY 2011	0.000	9.006	9.006	0.000	9.006	18.012				
Bell	KY 2013	0.000	1.996	1.996	0.000	0.050	0.100	0.050	1.996	3.892	Portion EL Only
Bell	KY 2014	0.000	4.173	4.173	0.000	4.173	8.346				
Bell	KY 2133	0.000	0.814	0.814	0.000	0.814	1.628				
Bell	KY 2394	0.000	0.636	0.636	0.000	0.636	1.272				
Bell	KY 3482	0.000	1.410	1.410	0.000	1.410	2.820				
Bell	KY 3483	0.000	0.800	0.800	0.000	0.800	1.600				
Bell	KY 3484	0.000	3.567	3.567	0.000	3.567	7.134				
Bell	KY 3485	0.000	4.554	4.554	0.000	4.554	9.108				
	Total Be	II RS		89.561			169.643			17.414	
Clay	KY 149	0.000	10.640	10.640	0.000	10.640	21.280				
Clay	KY 484	0.000	1.652	1.652	0.000	1.652	2.974				
Clay	KY 577	0.000	11.903	11.903	0.000	11.903	21.425				
Clay	KY 638	0.000	13.318	13.318	0.000	13.318	23.972				
Clay	KY 687	0.000	14.074	14.074	0.000	14.074	25.333				
Clay	KY 687	14.074	15.168	1.094	14.074	15.168	1.969				
Clay	KY 1350	1.929	6.097	4.168	1.929	6.097	8.336				
Clay	KY 1482	0.000	10.255	10.255	0.000	10.255	20.510				
Clay	KY 1524	0.000	13.000	13.000	0.000	13.000	26.000				
Clay	KY 1709	0.000	0.936	0.936	0.000	0.936	1.872				
Clay	KY 1999		1.592	1.592	0.000	0.320	0.640	0.320	1.592	2.544	Portion EL Only
Clay	KY 2000	0.000	9.092	9.092	0.000	5.555	11.110	5.555	9.092	7.074	Portion EL Only
Clay	KY 2076	0.000	0.915	0.915	0.000	0.915	1.830				
Clay	KY 2432	0.000	3.699	3.699	0.000	3.699	7.398				
Clay	KY 3472	0.000	0.851	0.851	0.000	0.851	1.702	0.000	0.544	1.088	
Clay	KY 3476	0.000	1.440	1.440	0.000	1.440	2.880				
Clay	KY 3477	0.000	3.060	3.060	0.000	3.060	6.120				
Clay	KY 3478	0.000	4.200	4.200	0.000	4.200	8.400				
Clay	KY 3480	0.000	0.438	0.438	0.000	0.438	0.876	0.000	0.438	0.876	
Clay	KY 3481	0.000	0.104	0.104	0.000	0.104	0.208				
	Total Cla	y RS		106.431			194.836			11.582	

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 RS SYSTEM - 4 INCH LINES

0 1	Donata	D'	F	Road	Begin	End	Yellow	Begin	End	White	0
County	Route	Begin	End	Miles	Yellow	Yellow	Miles	White	White	Miles	Comments
Harlan	KY 72	0.000	2.175	2.175	0.000	2.175	4.350	0.000	2.175	4.350	
Harlan	KY 72	2.175	5.212	3.037	2.175	5.212	6.074				
Harlan	KY 72	5.212	10.913	5.701	5.212	10.913	11.402	5.212	10.913	11.402	
Harlan	KY 72	10.913	12.229	1.316	10.913	12.229	2.632				
Harlan	KY 72	12.229	13.275	1.046	12.229	13.275	2.092	12.229	13.275	2.092	
Harlan	KY 72	13.275	13.389	0.114	13.275	13.389	0.228				
Harlan	KY 179	0.000	8.050	8.050	7.580	8.050	0.940	7.580	8.050	0.705	
Harlan	KY 219	0.000	5.141	5.141	0.000	5.141	10.282				
Harlan	KY 510	0.000	2.269	2.269	0.000	2.269	4.538				
Harlan	KY 522	0.000	17.665	17.665	0.000	17.665	35.330	0.000	17.665	35.330	
Harlan	KY 568	0.000	3.268	3.268	0.000	3.268	6.536				
Harlan	KY 840	0.000	6.009	6.009	2.811	6.009	6.396	0.000	2.811	5.622	Portion EL Only
Harlan	KY 987	0.000	19.422	19.422	0.000	19.422	38.844				
Harlan	KY 990	0.000	1.080	1.080	0.000	1.080	2.160				
Harlan	KY 991	0.000	1.475	1.475				0.000	1.475	2.950	EL Only
Harlan	KY 1138	0.000	1.793	1.793	0.000	1.793	3.586	1.498	1.793	0.590	
Harlan	KY 1216	0.000	0.740	0.740	0.000	0.740	1.480				
Harlan	KY 1556	0.000	2.052	2.052				0.000	2.052	4.104	EL Only
Harlan	KY 1601	0.000	2.427	2.427	0.846	2.427	3.162	0.000	0.846	1.692	Portion EL Only
Harlan	KY 1780	0.000	2.214	2.214	2.104	2.214	0.220	0.000	2.104	4.208	Portion EL Only
Harlan	KY 1926	0.000	0.596	0.596	0.000	0.596	1.192				
Harlan	KY 2006	0.000	5.083	5.083	0.000	5.083	10.166				
Harlan	KY 2007	0.000	3.319	3.319	0.000	3.319	6.638	0.000	0.518	1.036	
Harlan	KY 2008	0.000	1.396	1.396	0.000	1.396	2.792				
Harlan	KY 2009	0.000	2.726	2.726	0.000	2.726	5.452	0.000	1.450	2.900	
Harlan	KY 2010	0.000	5.418	5.418	0.000	0.157	0.314	0.157	5.418	10.522	Portion EL Only
Harlan	KY 2074	0.000	0.600	0.600				0.000	0.600	1.200	EL Only
Harlan	KY 2179	0.000	0.721	0.721	0.000	0.721	1.442				_
Harlan	KY 3448	0.000	0.593	0.593				0.000	0.593	1.186	EL Only
Harlan	KY 3449	0.000	1.976	1.976	0.000	1.976	3.952	1.020	1.927	1.814	
Harlan	KY 3450	0.000	0.559	0.559				0.000	0.480	0.960	EL Only
Harlan	KY 3452	0.000	0.898	0.898				0.000	0.898	1.796	EL Only
Harlan	KY 3453	0.000	1.315	1.315	0.000	0.921	1.842				
Harlan	KY 3455	0.000	0.691	0.691	0.215	0.691		0.000	0.215	0.430	Portion EL Only
Harlan	KY 3455	0.691	0.729	0.038				0.691	0.729	0.076	EL Only
Harlan	KY 3457	0.000	0.512	0.512				0.000	0.512	1.024	EL Only
Harlan	KY 3458		0.774	0.774	0.000	0.670	0 = 10	0.000	0.774	1.548	EL Only
Harlan	KY 3460	0.000	0.370	0.370	0.000	0.370	0.740				
Harlan	KY 3461	0.000	0.223	0.223	0.000	0.223	0.446	0.000	0 =0=	4 /==	F1 6 :
Harlan	KY 3462	0.000	0.735	0.735				0.000	0.735	1.470	EL Only
Harlan	KY 3464	0.000	0.982	0.982				0.000	0.982	1.964	EL Only
Harlan	KY 3465	0.000	1.670	1.670				0.000	1.670	3.340	EL Only
Harlan	KY 3466		2.326	2.326				0.000	2.326	4.652	EL Only
Harlan	KY 3467	0.000	0.385	0.385			475.000	0.000	0.385	0.770	
]	Total Harl	an KS		120.900			175.228			109.733	

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 RS SYSTEM - 4 INCH LINES

County	Route	Begin	End	Road	Begin		Yellow	Begin	End	White	Comments
				Miles	Yellow	Yellow	Miles	White	White	Miles	Comments
Jackson	KY 577	0.000	11.197	11.197	0.000	11.197	22.394				
Jackson	KY 578	0.000	7.202	7.202	0.000	7.202	14.404				
Jackson	KY 587	0.000	7.118	7.118	0.000	7.118	14.236				
Jackson	KY 1071	0.000	6.712	6.712	0.000	6.712	13.424				
Jackson	KY 1209	0.000	3.891	3.891	0.000	3.891	7.782				
Jackson	KY 1431	0.000	2.951	2.951	0.000	2.951	5.902				
Jackson	KY 1709	0.000	3.980	3.980	0.000	3.980	7.960				
Jackson	KY 1912	0.000	0.120	0.120	0.000	0.120	0.240				
Jackson	KY 1955	0.000	7.691	7.691	0.000	7.691	15.382				
Jackson	KY 2002	0.000	2.728	2.728	0.000	2.728	5.456				
Jackson	KY 2003	0.000	6.578	6.578	0.000	6.578	13.156				
Jackson	KY 3444	0.000	1.110	1.110	0.000	1.110	2.220				
Jackson	KY 3445	0.000	5.170	5.170	0.000	5.170	10.340				
Jackson	KY 3446	0.000	6.081	6.081	0.000	6.081	12.162				
Jackson	KY 3447	0.000	5.080	5.080	0.000	5.080	10.160				
	Tota	ıl		77.609			155.218			0.000	
	T					T					
Knox	KY 223	0.000	16.774	16.774	0.000	16.774	30.193				
Knox	KY 233	0.000	4.633	4.633	0.000	4.633	8.339				
Knox	KY 459	0.000	11.710	11.710	0.000	11.710	21.078	10.950	11.710	1.520	
Knox	KY 718	0.000	10.813	10.813	0.000	10.813	19.463				
Knox	KY 830	4.469	7.745	3.276	4.469	7.745	5.897				MP & RS Route
Knox	KY 930	0.000	4.063	4.063	0.000	4.063	7.313				
Knox	KY 1304	0.000	13.061	13.061	0.000	13.061	26.122				
Knox	KY 1527	0.000	2.403	2.403	0.000	2.403	4.806				
Knox	KY 1530	0.000	2.603	2.603	0.000	2.603	5.206				
Knox	KY 1629	0.000	4.151	4.151	0.000	4.151	8.302				
Knox	KY 1803	0.000	5.738	5.738	0.000	5.738	11.476				
Knox	KY 1809	0.000	6.313	6.313	0.000	6.313	12.626				
Knox	KY 2406	0.000	0.095	0.095	0.000	0.095	0.190				
Knox	KY 2408	0.000	0.309	0.309	0.000	0.309	0.618				
Knox	KY 2409	0.000	0.251	0.251	0.000	0.251	0.502				
Knox	KY 2414	0.000	0.183	0.183	0.000	0.183	0.366				
Knox	KY 2417	0.000	1.265	1.265	0.000	0.200	0.400				
Knox	KY 3153	0.000	0.373	0.373	0.000	0.373	0.746				
Knox	KY 3437	0.000	1.746	1.746				0.000	1.746	3.492	EL Only
Knox	KY 3439	0.000	4.582	4.582	0.000	4.582	9.164				
Knox	KY 3440	0.000	2.579	2.579	0.000	2.579	5.158				
Knox	KY 3442	0.000	2.498	2.498	0.000	1.418	2.836	1.418	2.498	2.160	Portion EL Only
	Total Kno	ox RS		99.419			180.802			7.172	

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 RS SYSTEM - 4 INCH LINES

				Road	Begin	End	Yellow	Begin	End	White	
County	Route	Begin	End	Miles	Yellow	Yellow	Miles	White	White	Miles	Comments
Laurel	KY 233	0.000	0.668	0.668	0.000	0.668	1.336				
Laurel	KY 488	0.000	2.076	2.076	0.000	2.076	4.152				
Laurel	KY 490	8.161	11.509	3.348	8.161	11.509	6.696				MP & RS Route
Laurel	KY 521	0.000	2.898	2.898	0.000	2.898	5.796				
Laurel	KY 552	0.000	8.165	8.165	0.000	8.165	14.697				
Laurel	KY 578	0.000	10.148	10.148	0.000	10.148	20.296				
Laurel	KY 586	0.000	4.613	4.613	0.000	4.613	9.226				
Laurel	KY 638	0.000	13.042	13.042	0.000	13.042	23.476				
Laurel	KY 1023	0.000	2.968	2.968	0.000	2.968	5.342				
Laurel	KY 1035	0.000	2.210	2.210	0.000	2.210	3.978				
Laurel	KY 1189	0.000	6.518	6.518	0.000	6.518	13.036				
Laurel	KY 1223	1.139	8.782	7.643	1.139	8.782	15.286				MP & RS Route
Laurel	KY 1228	0.000	2.876	2.876	0.000	2.876	5.752				
Laurel	KY 1305	4.042	6.514	2.472	4.042	6.514	4.944				
Laurel	KY 1376	0.000	2.852	2.852	0.000	2.852	5.704				
Laurel	KY 1394	0.000	2.634	2.634	0.000	2.634	5.268				
Laurel	KY 1535	0.000	3.798	3.798	0.000	3.798	7.596				
Laurel	KY 1803	0.000	9.245	9.245	0.000	9.245	18.490				
Laurel	KY 1810	0.000	3.246	3.246	0.000	3.246	6.492				
Laurel	KY 1956	0.000	10.970	10.970	0.000	10.970	21.940	0.000	10.970	21.940	
Laurel	KY 2041	0.000	1.435	1.435	0.000	1.435	2.870				
Laurel	KY 3430	0.000	4.069	4.069	0.000	4.069	8.138				
Laurel	KY 3431	0.000	2.959	2.959	0.000	2.959	5.918				
Laurel	KY 3432	0.000	3.450	3.450	0.000	3.450	6.900				
Laurel	KY 3434	0.000	3.587	3.587	0.000	3.587	7.174				
Laurel	KY 3435	0.000	3.766	3.766	0.000	3.766	7.532				
Laurel	KY 3497	0.000	6.123	6.123	0.000	6.123	12.246				
Laurel	KY 3534	0.000	0.284	0.284	0.000	0.284	0.568				
	Total Lau			128.063			250.849			21.940	
			•					•			
Leslie	KY 257	0.000	11.030	11.030	0.000	11.030	22.060				
Leslie	KY 406	2.916	13.476	10.560	2.916	13.476	21.120				
Leslie	KY 1482	0.000	7.460	7.460	0.000	7.460	14.920				
Leslie	KY 1780	0.000	5.166	5.166	0.000	1.430	2.860	1.430	5.166	7.472	Portion EL Only
Leslie	KY 1780	5.166	14.299	9.133	5.166	14.299	18.266				
Leslie	KY 1807		3.613	3.613	0.000	3.613	7.226				
Leslie	KY 2008	0.000	2.535	2.535	0.000	0.575	1.150	0.575	2.535	3.920	Portion EL Only
Leslie	KY 2008	2.535	8.638	6.103	2.535	3.070	1.070	6.845	8.638	3.586	Portion EL Only
Leslie	KY 2009	0.000	15.302	15.302	0.000	15.302	30.604				
Leslie	KY 2057	0.000	3.115	3.115	0.000	2.600	5.200				
Leslie	KY 2058	0.000	4.841	4.841				0.000	4.841	9.682	EL Only
Leslie	KY 3424	1.193	5.337	4.144	1.193	5.337	8.288				MP & RS Route
Leslie	KY 3426	0.000	1.151	1.151				0.000	1.151	2.302	EL Only
Leslie	KY 3427	0.000	4.516	4.516	0.000	3.635	7.270	3.635	4.516	1.762	Portion EL Only
Leslie	KY 3427	4.516	11.693	7.177	4.516	11.693	14.354				
	Total Les	lie RS		95.846			154.388			28.724	

2019 WATERBORNE PAINT STRIPING - DISTRICT 11 RS SYSTEM - 4 INCH LINES

County	Route	Begin	End	Road Miles	Begin Yellow	End Yellow	Yellow Miles	Begin White	End White	White Miles	Comments
Whitley	KY 478	0.000	7.705	7.705	0.000	7.705	15.410				
Whitley	KY 511	0.000	7.331	7.331	0.000	7.331	14.662				
Whitley	KY 679	0.000	0.510	0.510	0.000	0.521	1.042				
Whitley	KY 779	0.000	12.672	12.672	0.000	12.672	25.344				
Whitley	KY 904	0.000	13.331	13.331	0.000	13.331	26.662				
Whitley	KY 1064	0.000	17.063	17.063	0.000	17.063	34.126				
Whitley	KY 1418	0.000	1.524	1.524	0.000	1.524	3.048				
Whitley	KY 1595	0.000	4.587	4.587	0.000	4.587	9.174				
Whitley	KY 1673	0.000	1.642	1.642	0.000	1.642	3.284				
Whitley	KY 1809	0.000	1.436	1.436	0.000	1.436	2.872				
Whitley	KY 2986	0.000	0.258	0.258	0.000	0.258	0.516				
Whitley	KY 2995	0.000	0.952	0.952	0.000	0.952	1.904				
Whitley	KY 2996	0.000	4.288	4.288	0.000	4.288	8.576				
Whitley	KY 3421	0.000	1.154	1.154	0.000	1.154	2.308				
Whitley	KY 3423	0.000	4.870	4.870	0.000	4.870	9.740				
Total Whitley RS		79.323			158.668			0.000			

NOTES 1. 6 INCH LINES - SECTION 842

2. ESTIMATED QUANTITIES ONLY. RETRACE AS DIRECTED BY THE ENGINEER. THE DEPARTMENT WILL MEASURE AND PAY ONLY ACTUAL QUANTITIES TRACED.

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

Any reference in the plans or proposal to previous editions of the *Standard Specifications* for Road and Bridge Construction and Standard Drawings are superseded by Standard Specifications for Road and Bridge Construction, Edition of 2012 and Standard Drawings, Edition of 2016.

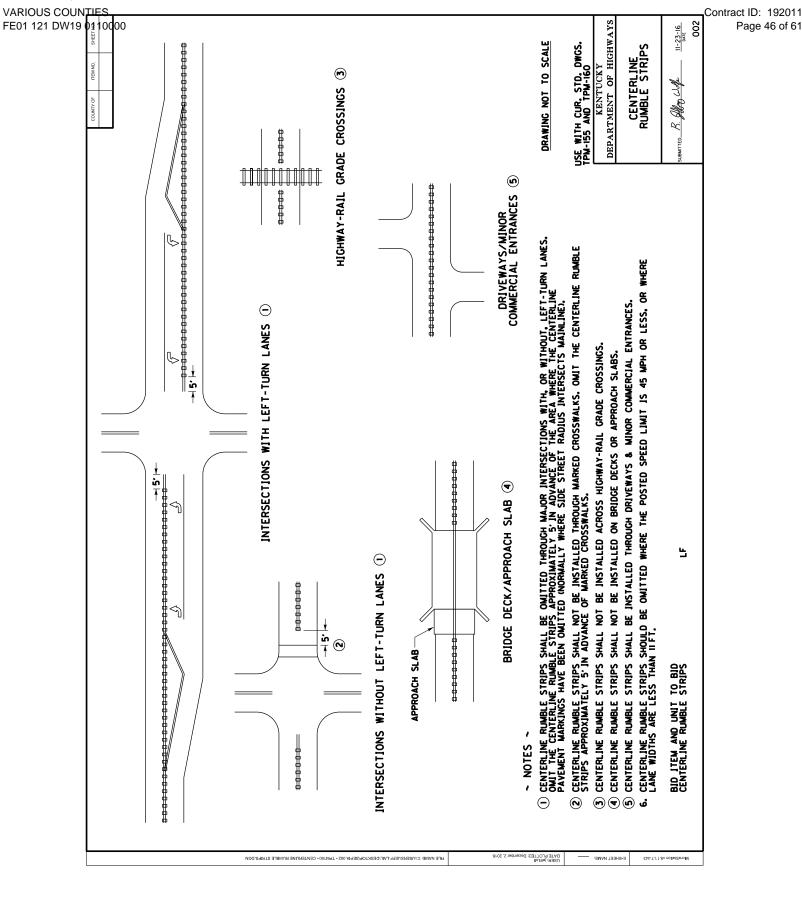
SUPPLEMENTAL SPECIFICATIONS

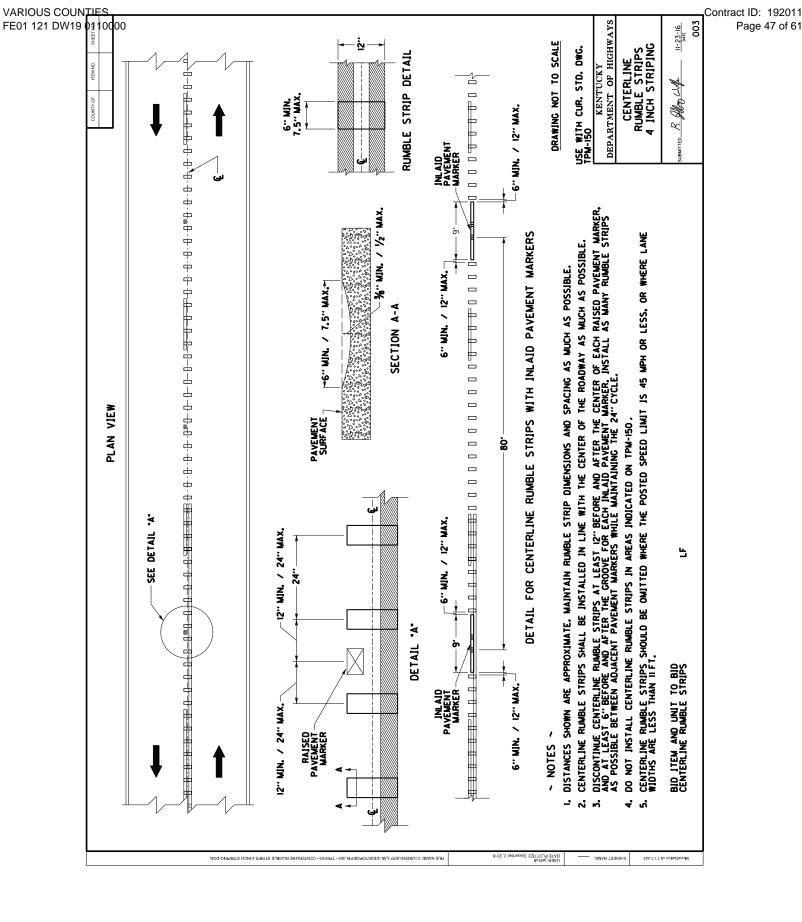
The contractor shall use the Supplemental Specifications that are effective at the time of letting. The Supplemental Specifications can be found at the following link:

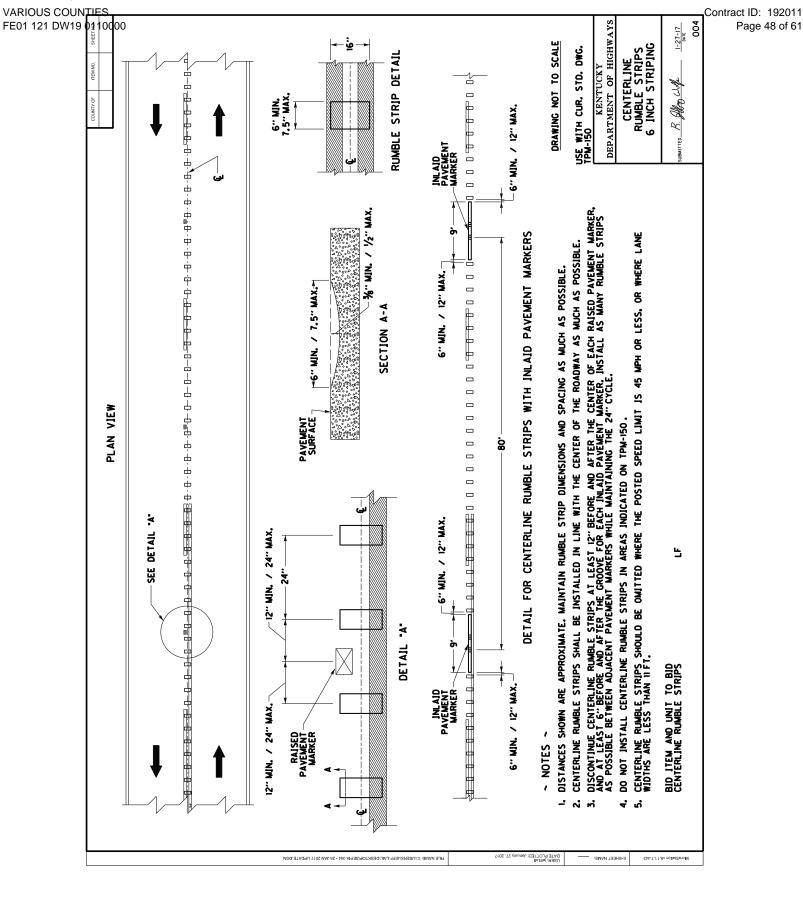
http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx

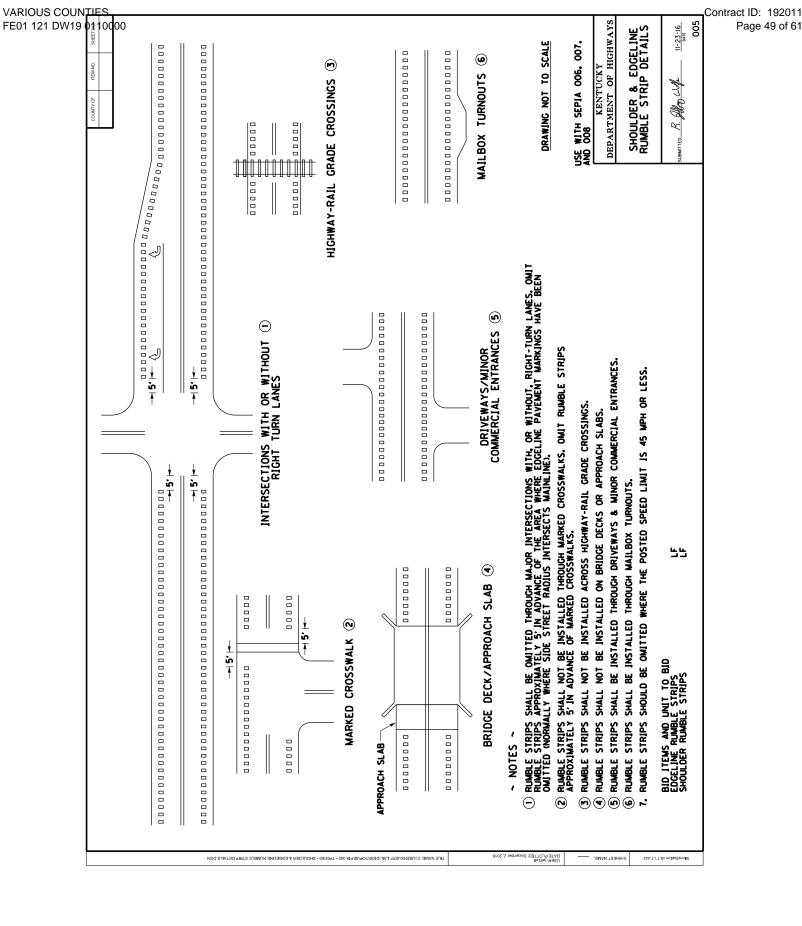
2016 STANDARD DRAWINGS THAT APPLY

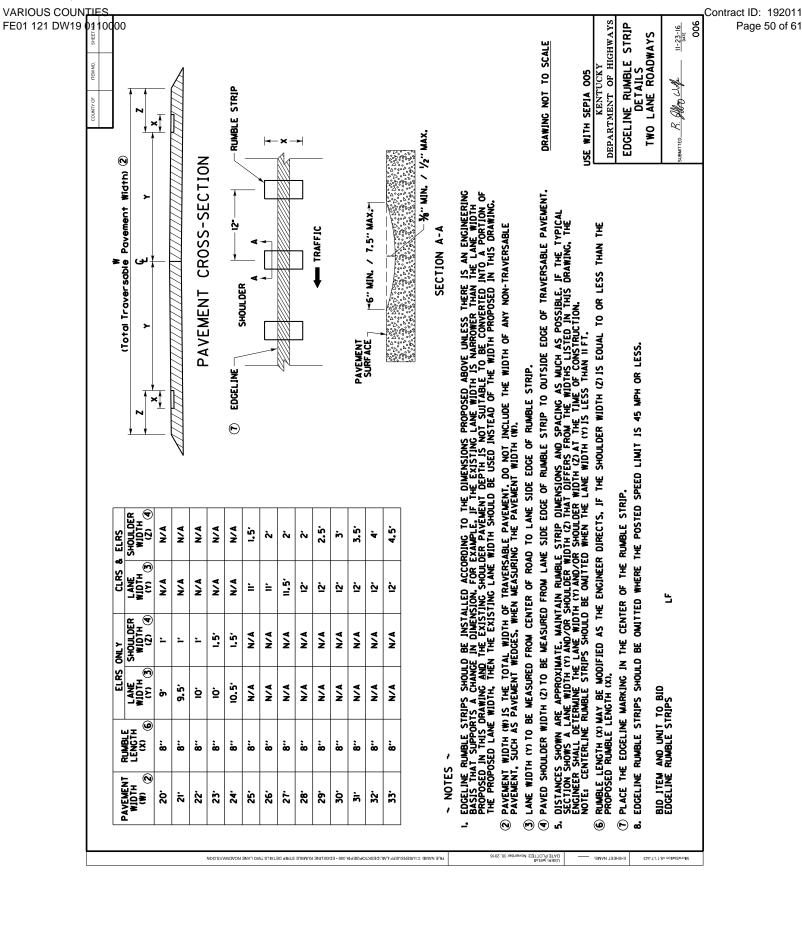
APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT	RPM-110-07
PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS	TPM-100-03
PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS	TPM-105-03
PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS	TPM-110-03
PAVEMENT MARKER ARRANGEMENTS TWO-LANE TWO-WAY ROADWAYS	TPM-115-03
PAVEMENT MARKER ARRANGEMENT TWO-LANE TO FOUR-LANE TRANSITIONS	TPM-120-03
PAVEMENT MARKER ARRANGEMENT EXIT-GORE AND OFF-RAMP	TPM-125-03
PAVEMENT MARKER ARRANGEMENT FOR PARALLEL DECELERATION LANE	TPM-126
PAVEMENT MARKER ARRANGEMENT ON-RAMP WITH TAPERED ACCELERATION LANE	TPM-130-03
PAVEMENT MARKER ARRANGEMENT ON-RAMP WITH PARALLEL ACCELERATION LANE	TPM-135-03
PAVEMENT MARKER ARRANGEMENTS TWO-WAY LEFT TURN LANE	
PAVEMENT MARKER ARRANGEMENT CHANNELIZED INTERSECTION	
CENTERLINE RUMBLE STRIPS	
CENTERLINE RUMBLE STRIP 4 INCH STRIPING	TPM-155-02
CENTERLINE RUMBLE STRIP 6 INCH STRIPING	
MOBILE OPERATION FOR PAINT STRIPING CASE I	
MOBILE OPERATION FOR PAINT STRIPING CASE II	
MOBILE OPERATION FOR PAINT STRIPING CASE III	
MOBILE OPERATION FOR PAINT STRIPING CASE IV	
MOBILE OPERATION FOR DURABLE STRIPING CASE I	
MOBILE OPERATION FOR DURABLE STRIPING CASE II	
MOBILE OPERATION FOR DURABLE STRIPING CASE III	TTS-130-02
MOBILE OPERATION FOR DURABLE STRIPING CASE IV	TTS-135-02

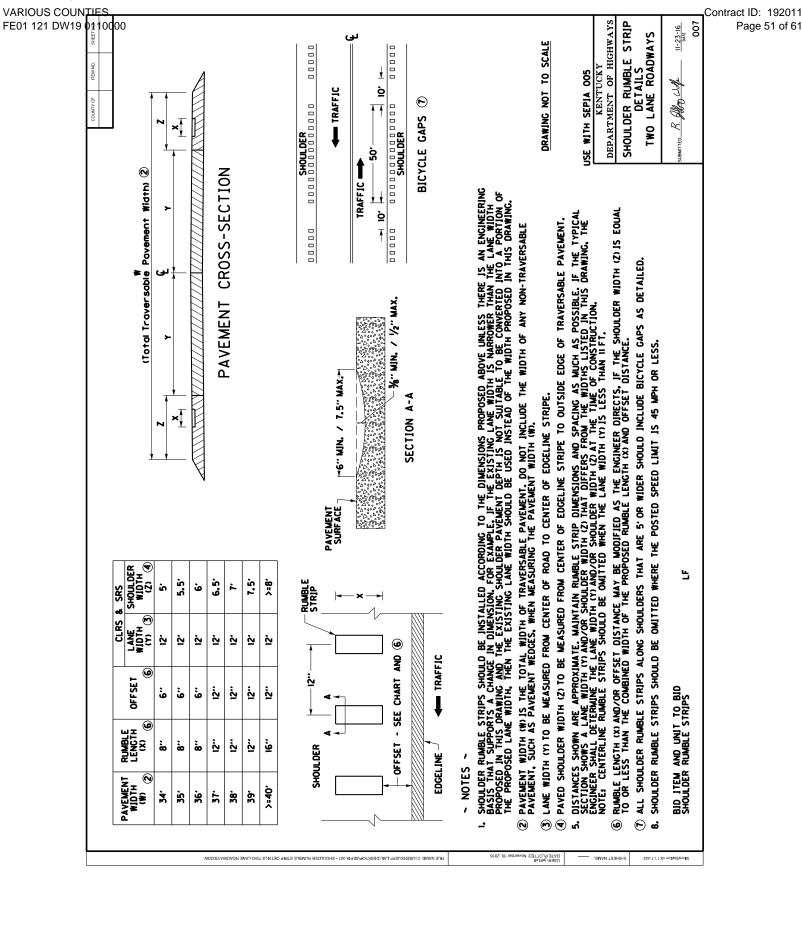


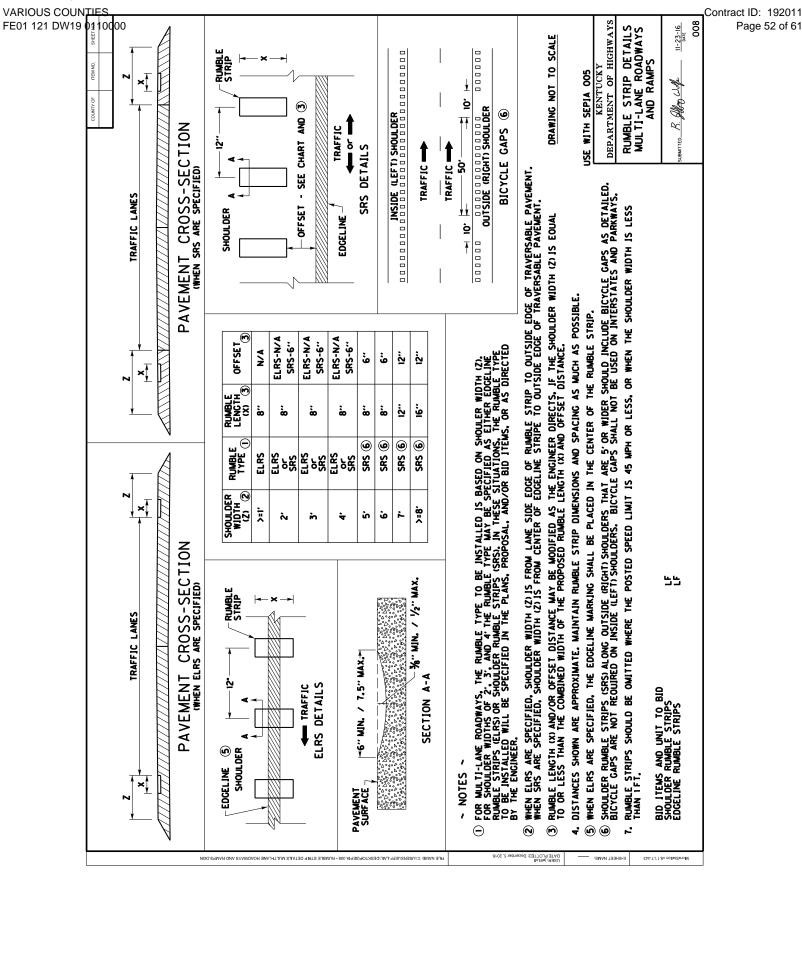












PART III

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 thirty-six (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: 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.

EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

FEDERAL MINIMUM WAGE

\$7.25

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 **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.
- \bullet Some state laws provide greater employee protections; employers must comply with both.
- \bullet 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.



Contract ID: 192011

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PART IV

INSURANCE

INSURANCE

The Contractor shall procure and maintain the following insurance in addition to the insurance required by law:

- 1) Commercial General Liability-Occurrence form not less than \$2,000,000 General aggregate, \$2,000,000 Products & Completed Aggregate, \$1,000,000 Personal & Advertising, \$1,000,000 each occurrence.
- 2) Automobile Liability- \$1,000,000 per accident
- 3) Employers Liability:
 - a) \$100,000 Each Accident Bodily Injury
 - b) \$500,000 Policy limit Bodily Injury by Disease
 - c) \$100,000 Each Employee Bodily Injury by Disease
- 4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
 - a) "policy contains no deductible clauses."
 - b) "policy contains _____ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
- 5) KENTUCKY WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

The cost of insurance is incidental to all contract items. All subcontractors must meet the same minimum insurance requirements.

PART V

BID ITEMS

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PROPOSAL BID ITEMS

192011

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Report Date 12/27/18

Section: 0001 - OVERALL CONTRACT ITEMS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	02572		QUALITY CONTROL	1.00	LS		\$	
0020	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0030	06520		PAVE STRIPING-WB PAINT-4 IN W MP ROUTES	1,369.47	MILE		\$	
0040	06520		PAVE STRIPING-WB PAINT-4 IN W RS ROUTES	196.57	MILE		\$	
0050	06521		PAVE STRIPING-WB PAINT-4 IN Y MP ROUTES	1,675.61	MILE		\$	
0060	06521		PAVE STRIPING-WB PAINT-4 IN Y RS ROUTES	1,439.63	MILE		\$	
0070	20411ED		LAW ENFORCEMENT OFFICER	100.00	HOUR		\$	
0800	22664EN		WATER BLASTING EXISTING STRIPE	1,000.00	LF		\$	
0090	23140EN		DURABLE WATERBORNE MARKING-6 IN W MP ROUTES	108.73	MILE		\$	
0100	23141EN		DURABLE WATERBORNE MARKING-6 IN Y MP ROUTES	93.99	MILE		\$	

Section: 0002 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	'	UNIT	UNIT PRIC	FP	AMOUNT
0110	02569		DEMOBILIZATION	•	1.00	LS		\$	