



**CALL NO. 416**

**CONTRACT ID. 213099**

**EDMONSON COUNTY**

**FED/STATE PROJECT NUMBER 031GR22R006-CB06**

**DESCRIPTION VARIOUS ROUTES IN EDMONSON COUNTY**

**WORK TYPE ASPHALT RESURFACING**

**PRIMARY COMPLETION DATE 6/30/2022**

**LETTING DATE: June 25,2021**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 am EASTERN DAYLIGHT TIME June 25,2021. Bids will be publicly announced at 10:00 am EASTERN DAYLIGHT TIME.

**NO PLANS ASSOCIATED WITH THIS PROJECT.**

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

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

## ADMINISTRATIVE DISTRICT - 03

**CONTRACT ID - 213099**

**031GR22R006-CB06**

**COUNTY - EDMONSON**

**PCN - 0303106552108**

**CB06 031 0655 004-006**

SEGAL RD (KY 655) (MP 4.210) FROM 0.164 MILES EAST OF BUCK SELF RD EXTENDING EAST TO 0.575 MILES EAST OF CANEY HOLLOW RD (MP 5.060), A DISTANCE OF 0.85 MILES.ASPHALT RESURFACING  
GEOGRAPHIC COORDINATES LATITUDE 37:11:34.46 LONGITUDE 86:22:45.83

**PCN - 0303117492109**

**CB06 031 1749 000-006**

WINGFIELD CHURCH RD (KY 1749) (MP 0.000) FROM THE WARREN COUNTY LINE EXTENDING EAST TO REEF RD (MP 5.315), A DISTANCE OF 05.32 MILES.ASPHALT RESURFACING  
GEOGRAPHIC COORDINATES LATITUDE 37:09:55.09 LONGITUDE 86:21:08.58

**COMPLETION DATE(S):**

COMPLETED BY 06/30/2022

APPLIES TO ENTIRE CONTRACT

## **CONTRACT NOTES**

### **PROPOSAL ADDENDA**

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

### **BID SUBMITTAL**

Bidder must use the Department's electronic bidding software. The Bidder must download the bid file located on the Bid Express website ([www.bidx.com](http://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](mailto: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](http://www.transportation.ky.gov/contract)). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

#### **HARDWOOD REMOVAL RESTRICTIONS**

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

#### **INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES**

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

#### **ACCESS TO RECORDS**

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

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

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

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



### **ASPHALT MIXTURE**

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

### **DGA BASE**

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 lbs/sy per inch of depth.

### **INCIDENTAL SURFACING**

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

### **FUEL AND ASPHALT PAY ADJUSTMENT**

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

### SPECIAL NOTE FOR NON-TRACKING TACK COAT

1. DESCRIPTION AND USEAGE. This specification covers the requirements and practices for applying a non-tracking tack asphalt coating. Place this material on the existing pavement course, prior to placement of a new asphalt pavement layer. Use when expedited paving is necessary or when asphalt tracking would negatively impact the surrounding area. This material is not suitable for other uses. Ensure material can “break” within 15 minutes under conditions listed in 3.2.

2. MATERIALS, EQUIPMENT, AND PERSONNEL.

2.1 Non-Tracking Tack. Provide material conforming to Subsection 2.1.1.

2.1.1 Provide a tack conforming to the following material requirements:

Property	Specification	Test Procedure
Viscosity, SFS, 77 ° F	20 – 100	AASHTO T 72
Sieve, %	0.3 max.	AASHTO T 59
Asphalt Residue <sup>1</sup> , %	50 min.	AASHTO T 59
Oil Distillate, %	1.0 max.	AASHTO T 59
Residue Penetration, 77 ° F	20 max.	AASHTO T 49
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	AASHTO T 315
Softening Point, ° F	149 min.	AASHTO T 53
Solubility, %	97.5 min.	AASHTO T 44

<sup>1</sup> Bring sample to 212 °F over a 10-15 minute period. Maintain 212 °F for 15-20 minutes or until 30-40 mL of water has distilled. Continue distillation as specified in T59.

2.2. Equipment. Provide a distributor truck capable of heating, circulating, and spraying the tack between 170 °F and 180 °F. Do not exceed 180 °F. Circulate the material while heating. Provide the correct nozzles that is recommend by the producer to ensure proper coverage of tack is obtained. Ensure the bar can be raised to between 14” and 18” from the roadway.

2.3. Personnel. Ensure the tack supplier has provided training to the contractor on the installation procedures for this product. Make a technical representative from the supplier available at the request of the Engineer.

3. CONSTRUCTION.

3.1 Surface Preparation. Prior to the application of the non-tracking tack, ensure the pavement surface is thoroughly dry and free from dust or any other debris that would inhibit adhesion. Clean the surface by scraping, sweeping, and the use of compressed air. Ensure this preparation process occurs shortly before application to prevent the return of debris pavement. If rain is expected within one hour after application, do not apply material. Apply material only when the surface is dry, and no precipitation is expected.

3.2 Non-tracking Tack Application. Ensure the roadway temperature is a minimum of 40 °F and rising during the application of the tack. This material is not suitable for use in colder temperatures. Prior to applying the tack, demonstrate competence in applying the tack according to this note to the satisfaction of the Engineer. Heat the tack in the distributor to between 170 – 180 °F. After initial heating to between 170 – 180 °F, the material may be sprayed between 165 °F and 180 °F. Do not apply outside this temperature range. Apply material at a minimum rate of 0.70 pounds (0.08 gallons) per square yard. Ensure full coverage of the material on the pavement surface. Full coverage of this material is critical. If full coverage is not achieved, material application rate may be increased to ensure full coverage. Do not heat material more than twice in one day.

3.3 Non-tracking Tack Certification. Furnish the tacks certification to the Engineer stating the material conforms to all requirements herein prior to use.

3.4 Sampling and Testing. The Department will require a sample of non-tracking tack be taken from the distributor at a rate of one sample per 15,000 tons of mix. Take two 1 gallon samples of the heated material and forward the sample to the Division of Materials for testing within 7 days. Ensure the product temperature is between 170 and 180 °F at the time of sampling.

4. MEASUREMENT. The Department will measure the quantity of non-tracking tack in tons. The Department will not measure for payment any extra materials, labor, methods, equipment, or construction techniques used to satisfy the requirements of this note. The Department will not measure for payment any trial applications of non-tracking tack, the cleaning of the pavement surface, or furnishing and placing the adhesive. The Department will consider all such items incidental to the non-tracking tack.

5. PAYMENT. The Department will pay for the non-tracking tack at the Contract unit bid price and apply an adjustment for each manufacturer's lot of material based on the degree of compliance as defined in the following schedule. When a sample fails on two or more tests, the Department may add the deductions, but the total deduction will not exceed 100 percent.

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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24970EC	Asphalt Material for Tack Non-Tracking	Ton

January 28, 2020

## SPECIAL NOTE FOR EXPERIMENTAL KYCT AND HAMBURG TESTING

### 1.0 General

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

### 2.0 Equipment

**2.1 KYCT Testing Equipment.** The Department will require a Marshall Test Press with digital recordation capabilities. Other CT testing equipment may be used for testing with prior approval by the Department.

**2.2 Water Baths.** One or more water baths will be required that can maintain a temperature of 77° +/- 1.8° F with a digital thermometer showing the water bath temperature. Also, one water bath shall have the ability to suspend gyratory specimen fully submerged in water in accordance with AASHTO T-166, current edition.

**2.3 Hamburg Wheel Track Testing.** The department encourages the use of the PTI APA/Hamburg Jr. test equipment to perform the loaded wheel testing. The Department will allow different equipment for the Hamburg testing, but the testing device must be approved by the Department prior to testing.

**2.4 Gyratory Molds.** Gyratory molds will be required to assist in the production of gyratory specimens in accordance with AASHTO T-312, current edition.

**2.5 Ovens.** Adequate (minimum of two ovens) will be required to accommodate the additional molds and asphalt mixture necessary to perform the acceptance testing as outlined in Section 402 of the Kentucky Standard Specifications for Road and Bridge Construction, current edition.

**2.6 Department Equipment.** The Department will provide gyratory molds, PINE 850 Test Press with digital recordation, and CT testing equipment to assist during this experimental phase so data can be gathered. Hamburg test specimens will be submitted to the Division of Materials for testing on the PTI APA/Hamburg Jr if the asphalt contractor or district materials office does not have an approved Hamburg testing device.

### 3.0 Testing Requirements

**3.1 Acceptance Testing.** Perform all acceptance testing and aggregate gradation as according with Section 402 and Section 403 of the Kentucky Standard Specifications for Road and Bridge Construction, current edition.

**3.2 KYCT Testing.** Perform crack resistance analysis (KYCT) in accordance with the current Kentucky Method for KYCT Index Testing during the mix design phase and during the plant production of all surface mixtures. For mix design approvals, submit KYCT results on the Department MixPack. For Class 4 mixtures, submit ingredient materials to the Division of Materials for informational verification.

**3.2.1 KYCT Frequency.** Obtain an adequate sample of hot mix asphalt to insure the acceptance testing, gradation, and KYCT gyratory samples can be fabricated and is representative of the bituminous mixture. Acceptance specimens shall be fabricated first, then immediately after, fabricate the KYCT samples with the gyratory compactor in accordance with Section 2.4 of this Special Note. Analysis of the KYCT specimens and gradation will be required one per subplot produced from the same asphalt material and at the same time as the acceptance specimen is sampled and tested.

**3.2.2 Number of Specimens and Conditioning.** Fabricate specimens in accordance with the Kentucky Method for KYCT Index Testing. Contrary to the method, fabricate a minimum of 3 and up to 6 test specimens. The specimens shall be compacted at the temperature in accordance to KM 64-411. KYCT mix design specimens shall be short-term conditioned for four hours at compaction temperature in accordance to KM 64-411. Contrary to the Kentucky Method, plant produced bituminous material shall be short-term conditioned immediately after sampling for two hours at compaction temperature in accordance to KM 64-411. Additionally, fabricated specimens shall be allowed to cool in air (fan is permissible) for 30 minutes +/- 5 minutes and conditioned in a 77 °F water bath for 30 minutes +/- 5 minutes. To insure confidence and reliability of the test results provided by KYCT testing and Hamburg testing, reheating of the asphalt mixture is prohibited.

**3.2.3 Record Times.** For each subplot, record the time required between drying aggregates in the plant to KYCT specimen fabrication. The production time may vary due to the time that the bituminous material is held in the silo. Record the preconditioning time when the time exceeds the one hour specimen cool down time as required in accordance to The Kentucky Method for KYCT Index Testing. The preconditioning time may exceed an hour if the technician is unable to complete the test on the same day or within the specified times as outlined in The Kentucky Method for KYCT Index Testing. The production time and the preconditioning time shall be recorded on the AMAW.

**3.2.4 File Name.** As according to section 7.12 of The Kentucky Method for KYCT Index Testing, save the filename with the following format; "CID\_Approved Mix Number\_Lot Number\_Sublot Number\_Date"

**3.3 Hamburg Testing.** Perform the rut resistance analysis (Hamburg) in accordance to AASTHO T-324, not to exceed 20,000 passes for all bituminous mixtures during the mix design phase and production. For mix design approvals, submit Hamburg results on the Department MixPack. For Class 4 mixtures, submit ingredient materials to the Division of Materials for informational verification.

**3.3.1 Hamburg Testing Frequency.** Perform testing and analysis per lot of material. The plant produced bituminous material sampled for the Hamburg test does not have to be obtained at the same time as the acceptance and KYCT sample. If the Hamburg test sample is not obtained at the same time as the KYCT sample, determine the Maximum Specific Gravity of the KYCT sample in accordance with AASTHO T-209 coinciding with the Hamburg specimens.

**3.3.2 Record Times.** Record the production time as according to section 3.2.3 in this special note. Also record the time that the specimens were fabricated and the time the Hamburg testing was started. All times shall be recorded on the AMAW.

**3.3.3 File Name.** Save the Excel spreadsheet with the following file name; “Hamburg\_CID\_Approved Mix Number\_Lot Number\_Sublot Number\_Date” and upload the file into the AMAW.

#### **4.0 Data**

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

#### **5.0 KYCT Video Demonstration**

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

#### **6.0 Payment**

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

June 3, 2019

## **SPECIAL PROVISION FOR WASTE AND BORROW SITES**

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

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



## **SPECIAL NOTE FOR DOUBLE ASPHALT SEAL COAT**

Use RS-2 or RS-2C asphalt material that is compatible with the seal aggregate. Apply the first course of asphalt seal coat at the rate of 3.2 lbs/sy of asphalt and 30 lbs/sy of size #78 seal coat aggregate. Apply the second course at 2.8 lbs/sy of asphalt and 20 lbs/sy of size #9M seal coat aggregate. The Engineer may adjust the rate of application as conditions warrant. Use caution in applying liquid asphalt material to avoid over spray getting on curbs, gutter, barrier walls, bridges, guardrail, and other roadway appurtenances.

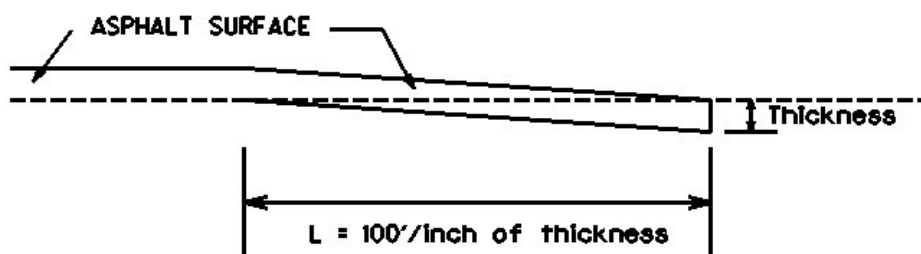
The Department will not measure any surface preparation required prior to applying the asphalt seal coat, but shall be incidental to “Asphalt Material for Asphalt Seal Coat”.

1-3215 Double Asphalt Seal Coat  
01/02/2012

### SPECIAL NOTE FOR EDGE KEY

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

### EDGE KEY



**Thickness = 1 Inch**

**L = 100 LF**

**L = Length of Edge Key**

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

**SPECIAL NOTE FOR  
ASPHALT MILLING AND TEXTURING**

Begin paving operations within **48 hours** of commencement of the milling operation. Continue paving operations continuously until completed. If paving operations are not begun within this time period, the Department will assess liquidated damages at the rate prescribed by Section 108.09 until such time as paving operations are begun.

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

1-3520 48 hours Contractor keeps millings  
01/2/2012

## **SPECIAL NOTE FOR BASE FAILURE REPAIR**

Repair locations listed on the summary are approximate only. The Engineer will determine actual repair locations and dimensions at the time of construction. Prior to overall milling and/or leveling and wedging, excavate the designated base failure areas to a depth 8 inches below the existing asphalt pavement surface level. Dispose of the excavated materials at waste sites off the Right-of-Way obtained by the Contractor at no additional cost to the Department. See Special Note for Waste and Borrow.

Backfill the excavated areas with Class 2 Asphalt Base 1.00D PG64-22. Compact the asphalt base to the compaction required in Section 403.03.10. Seal the asphalt base with leveling and wedging. Perform all base failure repairs in such a manner that removal and replacement are completed on the same day. Do this work as one of the Contractor's first operations in order to allow further compaction by traffic. Do not mill or place new asphalt surface over repaired base failure areas until a minimum of 7 calendar days have elapsed after placement of the asphalt base. After a minimum of 7 calendar days and when the Engineer determines the base failure repair areas have sufficiently stabilized, begin milling and/or resurfacing operations. Prior to milling and/or constructing the new asphalt surface, level and wedge any settlement of the repair areas.

The bidder must draw conclusions as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and will not consider any claim for additional compensation if the materials encountered that are not in accord with the classification shown.

Accept payment at the Contract unit prices per square yard for Base Failure repair and per ton for Leveling and Wedging as full compensation for all labor, materials, equipment, and incidentals for removing pavement and disposing of the materials, furnishing and placing asphalt base, leveling and wedging, and all other items necessary to complete the work according to these notes to the satisfaction of the Engineer.

1-3606basefailurerepairmillinlaypaybysy  
01/02/2012

### **SPECIAL NOTE FOR TYPICAL SECTION DIMENSIONS**

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

1-3725 Typical Section Dimensions  
01/02/2012

## TRAFFIC CONTROL PLAN

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### TRAFFIC CONTROL GENERAL

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

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

### PROJECT PHASING & CONSTRUCTION PROCEDURES

The Engineer may specify days and hours when lane closures will not be allowed.

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

### LANE CLOSURES

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

### SIGNS

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

### CHANGEABLE MESSAGE SIGNS

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

Traffic Control Plan  
Page 2 of 3

### **TEMPORARY ENTRANCES**

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

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

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

### **BARRICADES**

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

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

### **PAVEMENT MARKINGS**

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

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

Traffic Control Plan  
Page 3 of 3

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

### **PAVEMENT EDGE DROP-OFFS**

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

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

Less than 2" - No protection required.

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

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

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



## SPECIAL NOTE FOR EDGELINE AND SHOULDER RUMBLE STRIPS

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Construct edgeline rumble strips and/or shoulder rumble strips at the locations listed on the Pavement Markings Summary, Typical Sections, and/or according to the following drawings, as applicable:

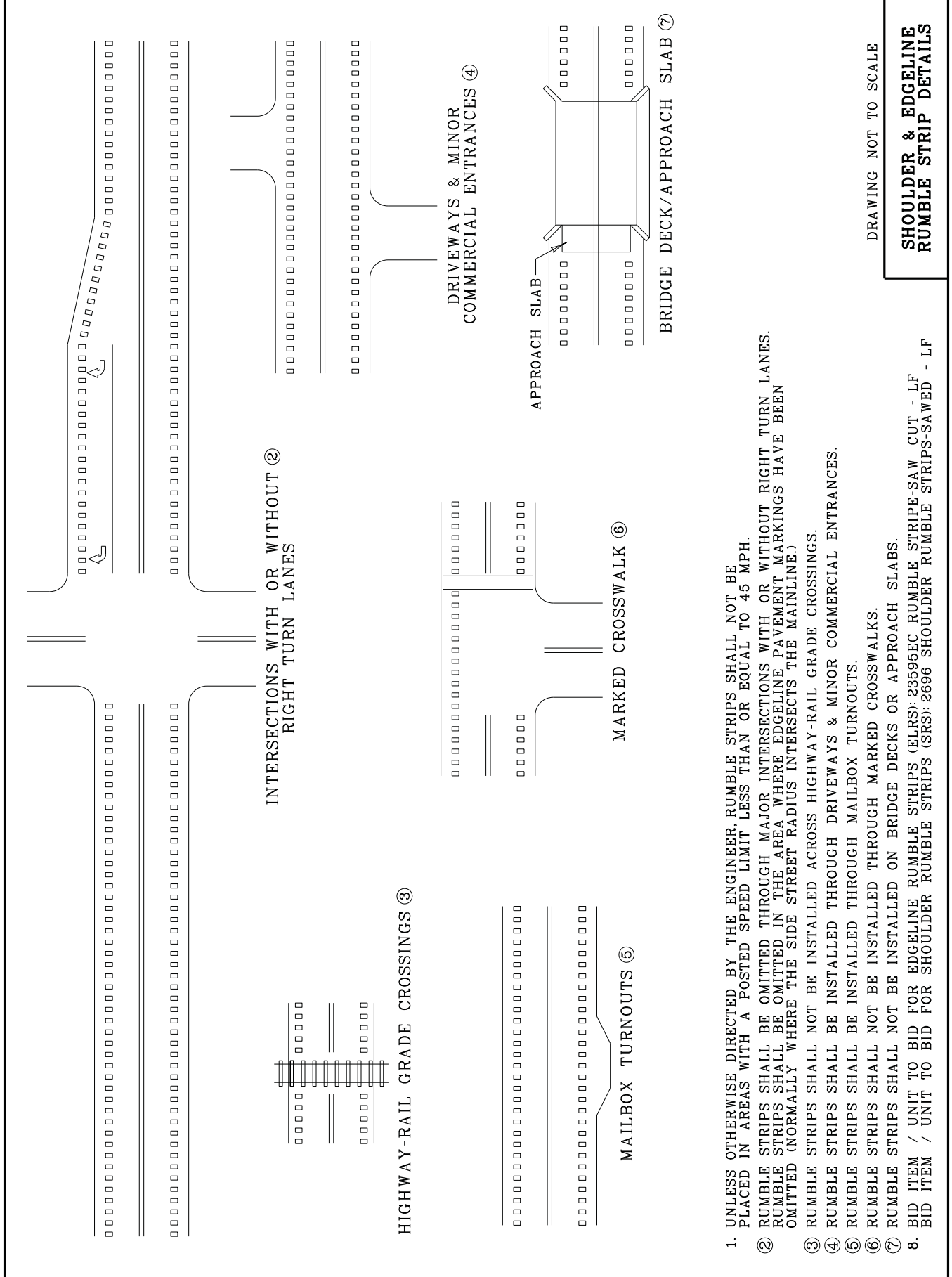
- Shoulder & Edgeline Rumble Strip Details
- Edgeline Rumble Strip Details Two Lane Roadways
- Shoulder Rumble Strip Details Two Lane Roadways
- Rumble Strip Details Multi-Lane Roadways

The locations listed for edgeline rumble strips and/or shoulder rumble strips, and the dimensions on the drawings are approximate only and may vary from the existing marking's locations. The Engineer shall determine the exact locations for edgeline rumble strips and/or shoulder rumble strips at the time of construction. If the Typical Section shows a Lane Width (Y) and/or Shoulder Width (Z) that differs from the widths listed on the drawings the Engineer shall determine the appropriate Lane Width (Y) and/or Shoulder Width (Z) at the time of construction.

(Note to the Engineer: In order to achieve consistent installations statewide, rumble strips should be installed according to the dimensions specified in the drawings, unless there is an Engineering basis that supports a change in dimension(s) – e.g. the existing shoulder width is wider than the drawing specifies and/or the existing lane width is narrower than the drawing specifies AND the existing shoulder pavement depth is not suitable to be used as a driving lane.)

Unless directed otherwise by the Engineer, DO NOT install edgeline rumble strips or shoulder rumble strips where the posted speed limit is 45 MPH or less. Before sawing edgeline rumble strips, pre-mark the pavement surface and obtain the Engineer's approval of the proposed location, alignment, and control guides. After sawing edgeline rumble strips, construct a rumble stripe by applying permanent edgeline striping according to Section 713 on the sawed edgeline rumble strips at the locations approved by the Engineer. Before sawing shoulder rumble strips, obtain the Engineer's approval of the proposed layout, location, and alignment. Notify the Engineer if questions arise regarding changes in striping and/or rumble patterns. If necessary, the Engineer will obtain guidance from the District Traffic Engineer and/or the Division of Traffic Operations.

The Department will measure edgeline rumble strips and shoulder rumble strips according to Section 403. Unless required by the Traffic Control Plan or directed by the Engineer, the Department will not measure for payment temporary edgeline striping used for pre-marking edgeline rumble strips. The Department will measure permanent edgeline striping according to Section 713. The Department will not measure the removal of existing markings, pre-marking and layout, surface preparation, corrective work, labor, equipment, and any incidentals necessary to construct edgeline rumble strips and/or shoulder rumble strips, and will consider these items incidental to the installation of the sawed rumble strips.

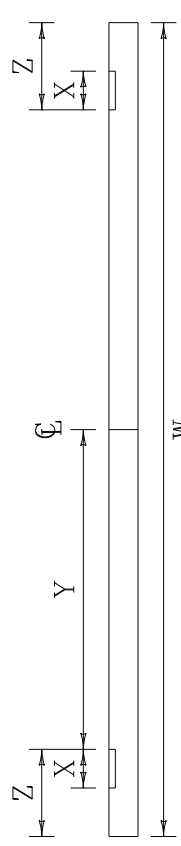


1. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RUMBLE STRIPS SHALL NOT BE PLACED IN AREAS WITH A POSTED SPEED LIMIT LESS THAN OR EQUAL TO 45 MPH.
- ② RUMBLE STRIPS SHALL BE OMITTED THROUGH MAJOR INTERSECTIONS WITH OR WITHOUT RIGHT TURN LANES. RUMBLE STRIPS SHALL BE OMITTED IN THE AREA WHERE EDGE LINE PAVEMENT MARKINGS HAVE BEEN OMITTED (NORMALLY WHERE THE SIDE STREET RADIUS INTERSECTS THE MAINLINE.)
- ③ RUMBLE STRIPS SHALL NOT BE INSTALLED ACROSS HIGHWAY-RAIL GRADE CROSSINGS.
- ④ RUMBLE STRIPS SHALL BE INSTALLED THROUGH DRIVEWAYS & MINOR COMMERCIAL ENTRANCES.
- ⑤ RUMBLE STRIPS SHALL BE INSTALLED THROUGH MAILBOX TURNOUTS.
- ⑥ RUMBLE STRIPS SHALL NOT BE INSTALLED THROUGH MARKED CROSSWALKS.
- ⑦ RUMBLE STRIPS SHALL NOT BE INSTALLED ON BRIDGE DECKS OR APPROACH SLABS.
8. BID ITEM / UNIT TO BID FOR EDGE LINE RUMBLE STRIPS (ELRS): 23595EC RUMBLE STRIPS-SAW CUT - LF  
 BID ITEM / UNIT TO BID FOR SHOULDER RUMBLE STRIPS (SRS): 2696 SHOULDER RUMBLE STRIPS-SAWED - LF

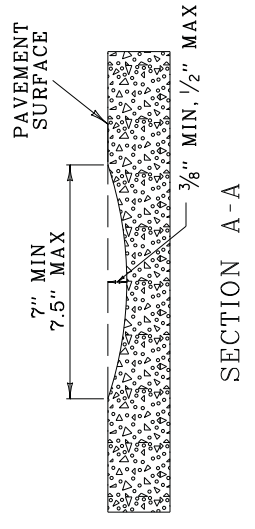
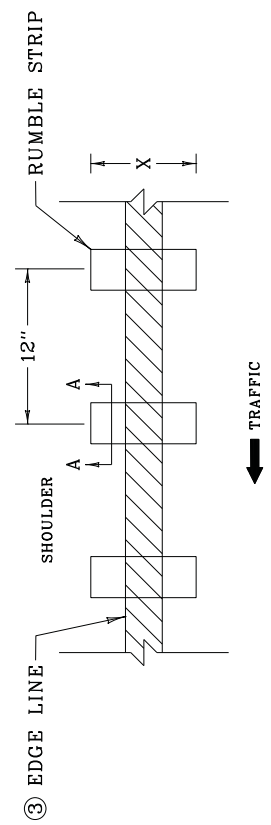
DRAWING NOT TO SCALE

**SHOULDER & EDGE LINE  
RUMBLE STRIP DETAILS**

PAVEMENT WIDTH (W) ④	RUMBLE LENGTH (X)	ELRS ONLY		CLRS & ELRS	
		LANE WIDTH (Y) ⑤	SHOULDER WIDTH (Z) ⑥	LANE WIDTH (Y) ⑤	SHOULDER WIDTH (Z) ⑥
20'	8"	9'	1'	N/A	N/A
21'	8"	9.5'	1'	N/A	N/A
22'	8"	10'	1'	N/A	N/A
23'	8"	10'	1.5'	N/A	N/A
24'	8"	10.5'	1.5'	N/A	N/A
25'	8"	N/A	N/A	11'	1.5'
26'	8"	N/A	N/A	11'	2'
27'	8"	N/A	N/A	11.5'	2'
28'	8"	N/A	N/A	12'	2'
29'	8"	N/A	N/A	12'	2.5'
30'	8"	N/A	N/A	12'	3'
31'	8"	N/A	N/A	12'	3.5'
32'	8"	N/A	N/A	12'	4'
33'	8"	N/A	N/A	12'	4.5'



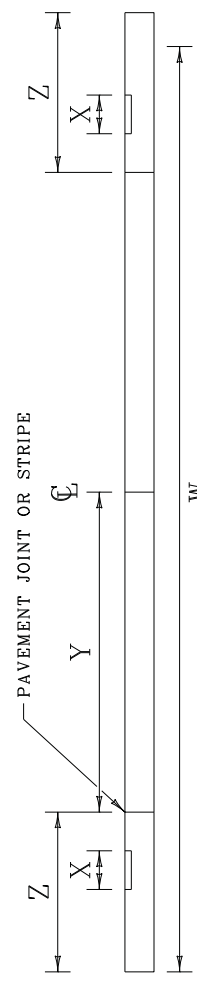
(Traversable Pavement)  
**PAVEMENT CROSS-SECTION**



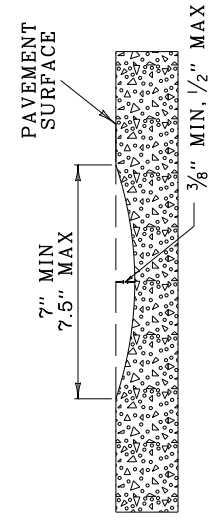
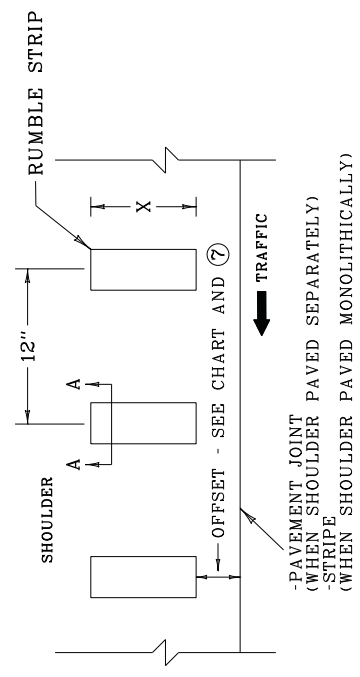
- NOTES**
- DISTANCES SHOWN ARE APPROXIMATE. MAINTAIN RUMBLE STRIP DIMENSIONS AND SPACING AS MUCH AS POSSIBLE. IF THE TYPICAL SECTION SHOWS A LANE WIDTH (Y) AND/OR SHOULDER WIDTH (Z) THAT DIFFERS FROM THE WIDTHS LISTED IN THIS DRAWING, THE ENGINEER SHALL DETERMINE THE LANE WIDTH (Y) AND/OR SHOULDER WIDTH (Z) AT THE TIME OF CONSTRUCTION.
  - UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RUMBLE STRIPS SHALL NOT BE PLACED IN AREAS WITH A POSTED SPEED LIMIT LESS THAN OR EQUAL TO 45 MPH.
  - EDGE LINE MARKINGS SHALL BE PLACED IN THE CENTER OF THE RUMBLE STRIP.
  - WIDTH OF PAVEMENT BETWEEN EDGES OF TRAVERSABLE PAVEMENT.
  - WIDTH OF LANE FROM CENTER OF ROAD TO INSIDE EDGE OF RUMBLE STRIP OR JOINT.
  - WIDTH OF PAVED SHOULDER IS FROM LANE SIDE EDGE OF RUMBLE STRIP TO OUTSIDE EDGE OF TRAVERSABLE PAVEMENT.
  - RUMBLE LENGTH (X) MAY BE MODIFIED AS THE ENGINEER DIRECTS IF SHOULDER WIDTH (Z) IS EQUAL TO OR LESS THAN SPECIFIED RUMBLE LENGTH (X).
  - CONTRARY TO SECTION 403.03.08 SUBSECTION A, PART 2 IN THE STANDARD SPECIFICATIONS, USE THE DIMENSIONS SPECIFIED ABOVE WHEN THIS DRAWING IS INCLUDED IN THE PROPOSAL.
  - BID ITEM / UNIT TO BID: 23595EC RUMBLE STRIPE-SAW CUT - LF

DRAWING NOT TO SCALE

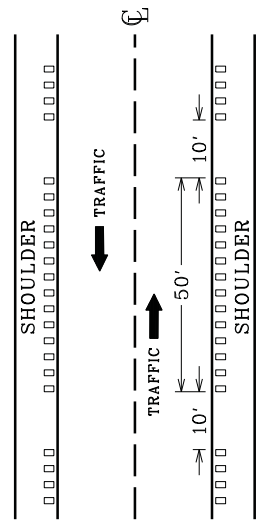
**EDGE LINE RUMBLE STRIP DETAILS  
TWO LANE ROADWAYS**



(Traversable Pavement)  
**PAVEMENT CROSS-SECTION**

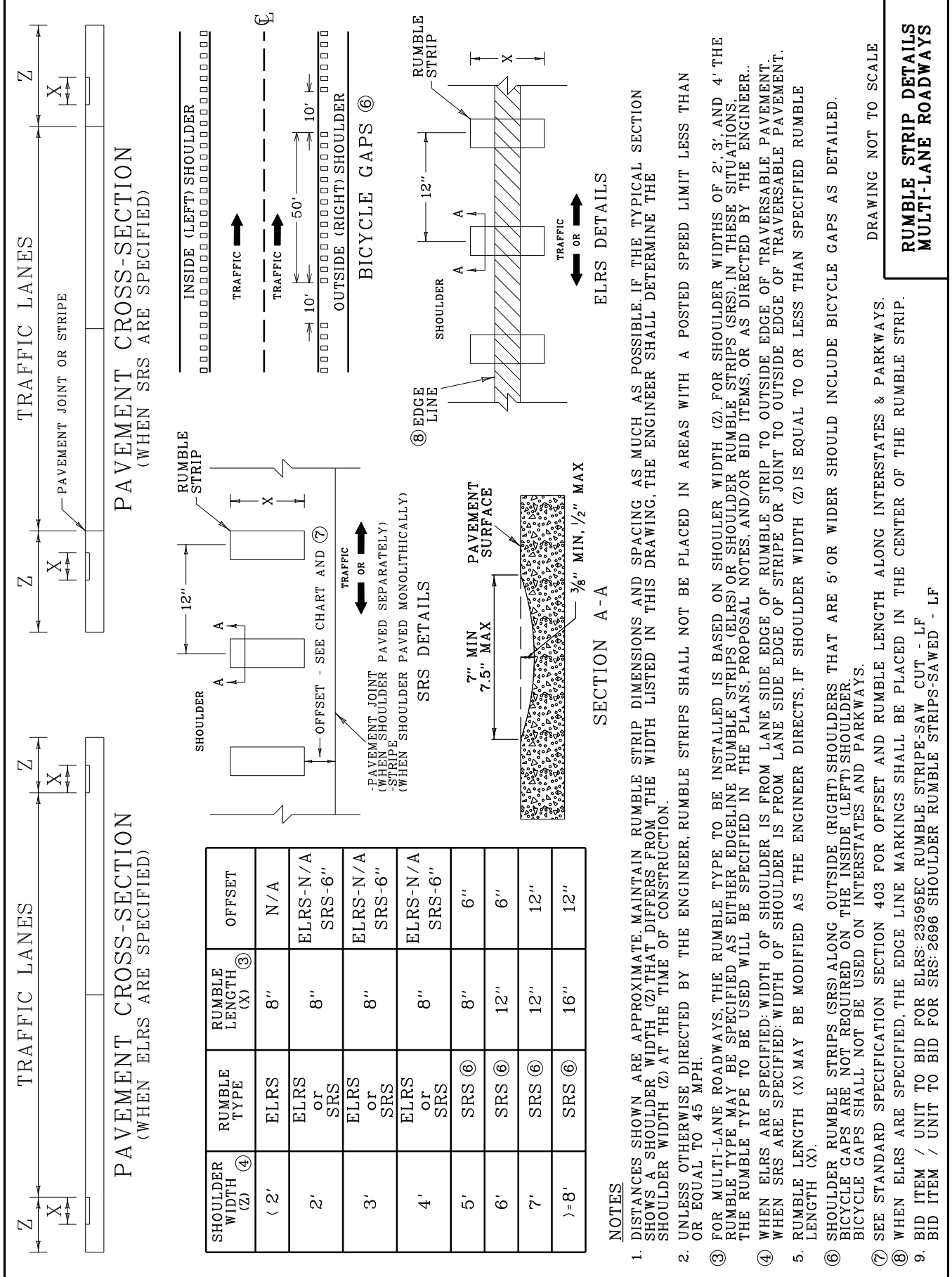


PAVEMENT WIDTH (W) ③	RUMBLE LENGTH (X) ⑦	OFFSET	CLRS & ELRS	
			LANE WIDTH (Y) ④	SHOULDER WIDTH (Z) ⑤
34'	8"	6"	12'	5'
35'	8"	6"	12'	5.5'
36'	12"	6"	12'	6'
37'	12"	12"	12'	6.5'
38'	12"	12"	12'	7'
39'	12"	12"	12'	7.5'
>=40'	16"	12"	12'	>=8'



- NOTES**
- DISTANCES SHOWN ARE APPROXIMATE. MAINTAIN RUMBLE STRIP DIMENSIONS AND SPACING AS MUCH AS POSSIBLE. IF THE TYPICAL SECTION SHOWS A LANE WIDTH (Y) AND/OR SHOULDER WIDTH (Z) THAT DIFFERS FROM THE WIDTHS LISTED IN THIS DRAWING, THE ENGINEER SHALL DETERMINE THE LANE WIDTH (Y) AND/OR SHOULDER WIDTH (Z) AT THE TIME OF CONSTRUCTION.
  - UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RUMBLE STRIPS SHALL NOT BE PLACED IN AREAS WITH A POSTED SPEED LIMIT LESS THAN OR EQUAL TO 45 MPH.
  - WIDTH OF PAVEMENT BETWEEN EDGE OF TRAVERSABLE PAVEMENT.
  - WIDTH OF LANE FROM CENTER OF ROAD TO INSIDE EDGE OF STRIPE OR JOINT.
  - WIDTH OF SHOULDER BETWEEN LANE SIDE EDGE OF STRIPE OR JOINT TO OUTSIDE EDGE OF TRAVERSABLE PAVEMENT.
  - RUMBLE LENGTH (X) OR OFFSET DISTANCE MAY BE MODIFIED AS THE ENGINEER DIRECTS, IF SHOULDER WIDTH (Z) IS EQUAL TO OR LESS THAN SPECIFIED RUMBLE LENGTH (X).
  - SEE STANDARD SPECIFICATION SECTION 403 FOR OFFSET AND RUMBLE LENGTH ALONG INTERSTATES & PARKWAYS.
  - ALL SHOULDER RUMBLE STRIPS ALONG TWO LANE ROADWAYS SHOULD INCLUDE BICYCLE GAPS AS DETAILED. BICYCLE GAPS SHALL NOT BE USED ON INTERSTATES AND PARKWAYS.
  - BID ITEM / UNIT TO BID: 2696 SHOULDER RUMBLE STRIPS-SAWED - LF

DRAWING NOT TO SCALE  
**SHOULDER RUMBLE STRIP DETAILS**  
**TWO LANE ROADWAYS**



SHOULDER WIDTH (Z) ④	RUMBLE TYPE	RUMBLE LENGTH (X) ③	OFFSET
2'	ELRS	8"	N/A
2'	ELRS or SRS	8"	ELRS-N/A or SRS-6"
3'	ELRS or SRS	8"	ELRS-N/A or SRS-6"
4'	ELRS or SRS	8"	ELRS-N/A or SRS-6"
5'	SRS ⑥	8"	6"
6'	SRS ⑥	12"	6"
7'	SRS ⑥	12"	12"
>8'	SRS ⑥	16"	12"

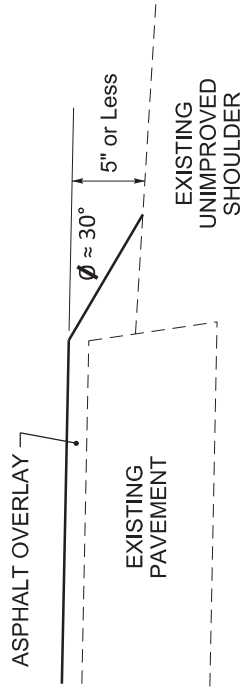
NOTES

- DISTANCES SHOWN ARE APPROXIMATE. MAINTAIN RUMBLE STRIP DIMENSIONS AND SPACING AS MUCH AS POSSIBLE. IF THE TYPICAL SECTION SHOWS A SHOULDER WIDTH (Z) THAT DIFFERS FROM THE WIDTH LISTED IN THIS DRAWING, THE ENGINEER SHALL DETERMINE THE SHOULDER WIDTH (Z) AT THE TIME OF CONSTRUCTION.
- UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RUMBLE STRIPS SHALL NOT BE PLACED IN AREAS WITH A POSTED SPEED LIMIT LESS THAN OR EQUAL TO 45 MPH.
- FOR MULTI-LANE ROADWAYS, THE RUMBLE TYPE TO BE INSTALLED IS BASED ON SHOULDER WIDTH (Z). FOR SHOULDER WIDTHS OF 2', 3', AND 4' THE RUMBLE TYPE MAY BE SPECIFIED AS EITHER EDGELINE RUMBLE STRIPS (ELRS) OR SHOULDER RUMBLE STRIPS (SRS). IN THESE SITUATIONS, THE RUMBLE TYPE TO BE USED WILL BE SPECIFIED IN THE PLANS, PROPOSAL NOTES, AND/OR BID ITEMS, OR AS DIRECTED BY THE ENGINEER.
- WHEN ELRS ARE SPECIFIED: WIDTH OF SHOULDER IS FROM LANE SIDE EDGE OF RUMBLE STRIP TO OUTSIDE EDGE OF TRAVERSABLE PAVEMENT. WHEN SRS ARE SPECIFIED: WIDTH OF SHOULDER IS FROM LANE SIDE EDGE OF STRIPE OR JOINT TO OUTSIDE EDGE OF TRAVERSABLE PAVEMENT.
- RUMBLE LENGTH (X) MAY BE MODIFIED AS THE ENGINEER DIRECTS, IF SHOULDER WIDTH (Z) IS EQUAL TO OR LESS THAN SPECIFIED RUMBLE LENGTH (X).
- SHOULDER RUMBLE STRIPS (SRS) ALONG OUTSIDE (RIGHT) SHOULDERS THAT ARE 5' OR WIDER SHOULD INCLUDE BICYCLE GAPS AS DETAILED. BICYCLE GAPS ARE NOT REQUIRED ON THE INSIDE (LEFT) SHOULDER.
- BICYCLE GAPS SHALL NOT BE USED ON INTERSTATES AND PARKWAYS.
- SEE STANDARD SPECIFICATION SECTION 403 FOR OFFSET AND RUMBLE LENGTH ALONG INTERSTATES & PARKWAYS.
- WHEN ELRS ARE SPECIFIED, THE EDGE LINE MARKINGS SHALL BE PLACED IN THE CENTER OF THE RUMBLE STRIP.
- BID ITEM / UNIT TO BID FOR ELRS: 23595EC RUMBLE STRIPE-SAW CUT - LF  
BID ITEM / UNIT TO BID FOR SRS: 2696 SHOULDER RUMBLE STRIPS-SAWED - LF

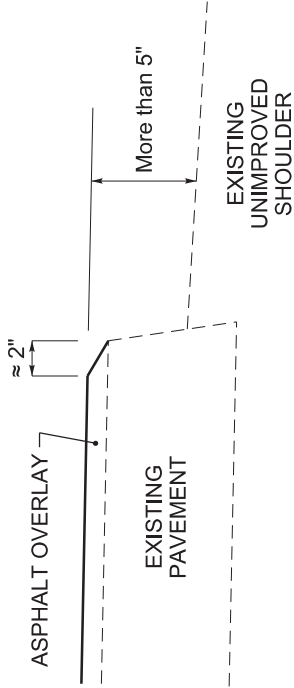
DRAWING NOT TO SCALE

**RUMBLE STRIP DETAILS  
MULTI-LANE ROADWAYS**

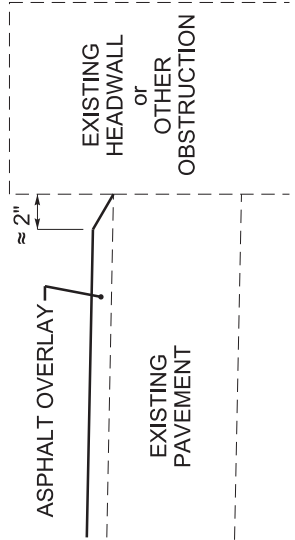
DURABLE PAVEMENT EDGE DETAIL  
(Resurfacing adjacent to low shoulder with dropoff of 5 inches or less)



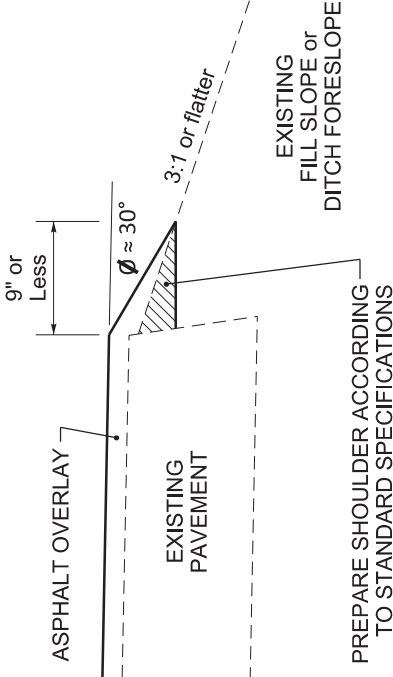
DURABLE PAVEMENT EDGE DETAIL  
(Resurfacing adjacent to low shoulder with dropoff of more than 5 inches)



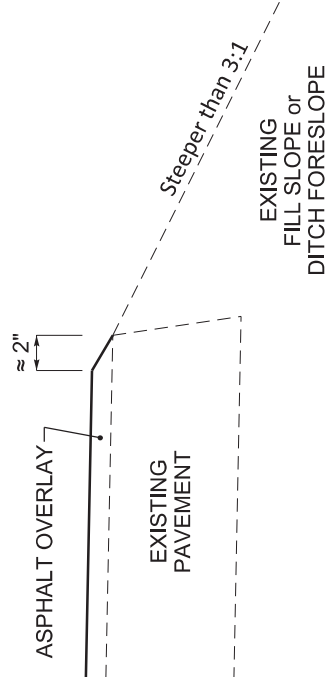
DURABLE PAVEMENT EDGE DETAIL  
(Resurfacing adjacent to an obstruction, such as an existing headwall)



DURABLE PAVEMENT EDGE DETAIL  
(Resurfacing adjacent to fill slope or ditch foreslope that is 3:1 or less)



DURABLE PAVEMENT EDGE DETAIL  
(Resurfacing adjacent to fill slope or ditch foreslope that is steeper than 3:1)



NOTES

1. DETAILS DO NOT APPLY TO OVERLAYS LESS THAN 1 INCH THICK.
2. THE DURABLE PAVEMENT EDGE DEVICE MAY BE DISENGAGED AT DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT, AS APPROVED BY THE ENGINEER.

DRAWING NOT TO SCALE

DURABLE PAVEMENT EDGE DETAILS

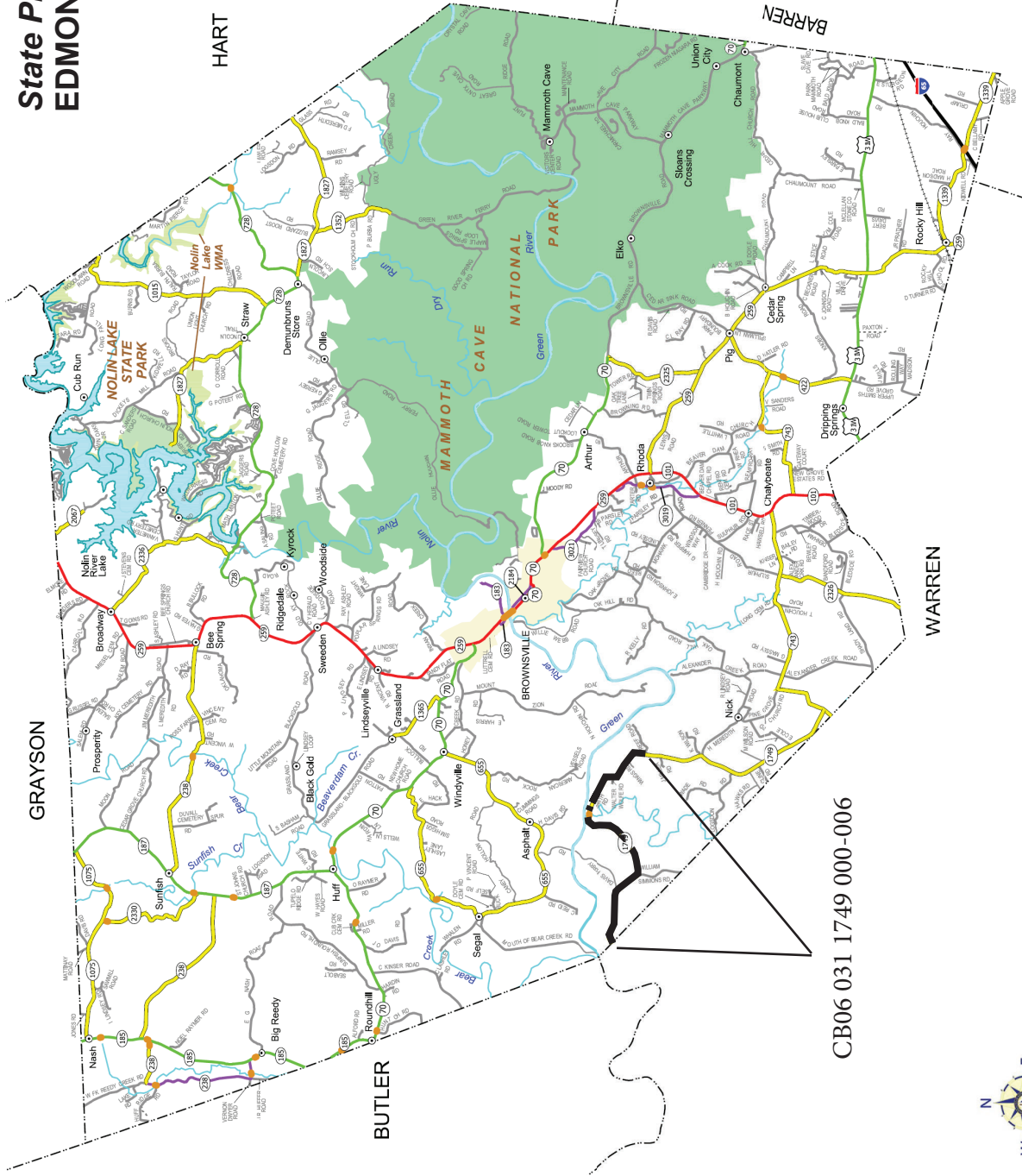
### **SPECIAL NOTE FOR TRENCHING**

Trench shoulders as shown on the typical section to allow for the required thickness of asphalt wedge. Reshape and compact excavated materials from the trench on the outside edge of the paved shoulder. Retain possession of excess material not needed to wedge the shoulders and material the Engineer deems to be unsuitable for reuse off the right-of-way at sites obtained by the Contractor at no additional cost to the Department. See Special Note for waste and Borrow.

The Department will not measure Trenching for payment, but shall be incidental to the asphalt mixture used to construct the shoulder wedge.,

1-3915 trenchingnotdirectpay  
01/02/2012

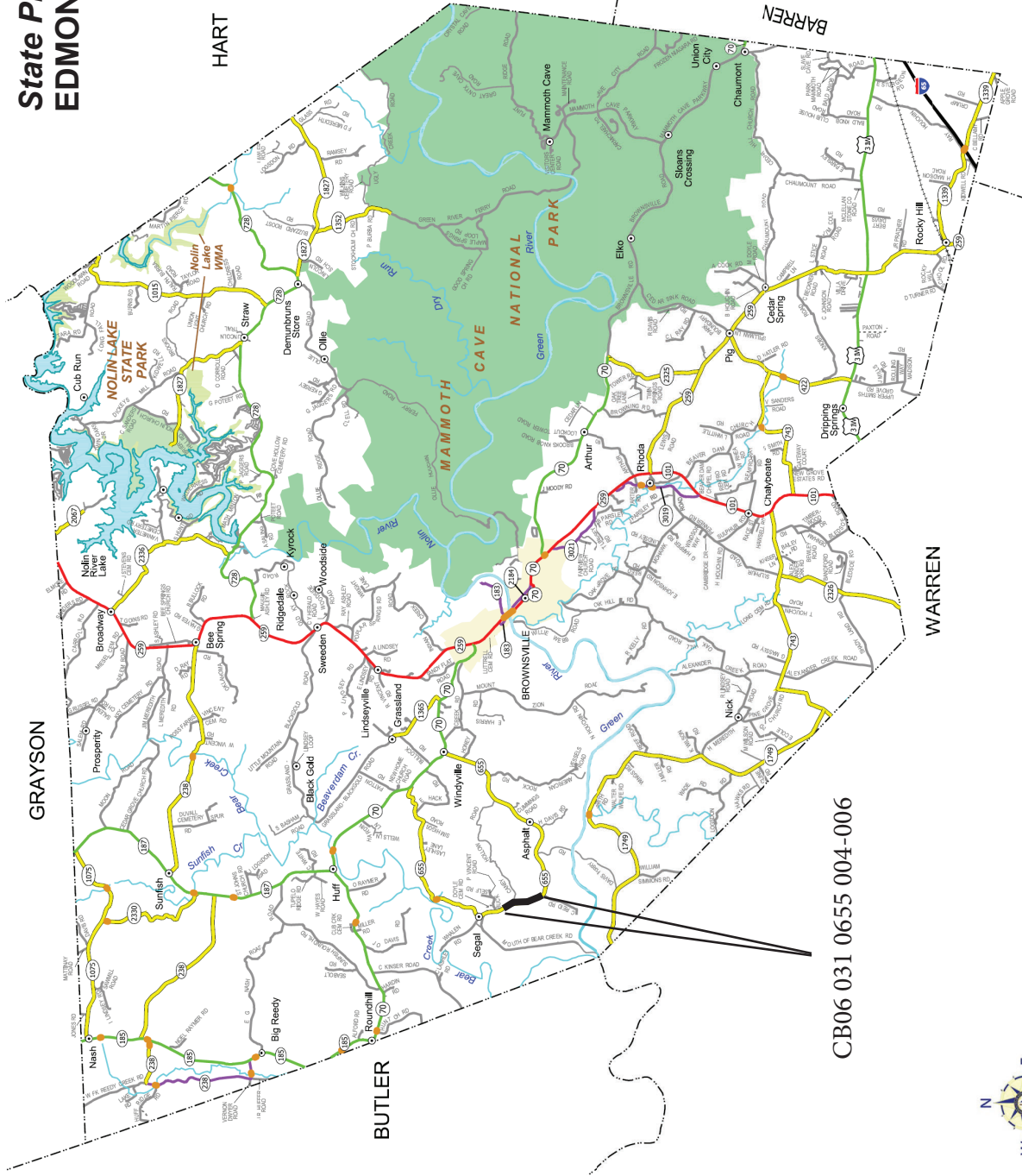
# State Primary Road System EDMONSON COUNTY



CB06 031 1749 000-006



# State Primary Road System EDMONSON COUNTY



CB06 031 0655 004-006

# MATERIAL SUMMARY

**CONTRACT ID: 213099**

**031GR22R006-CB06**

**0303106552108**

SEGAL RD (KY 655) FROM 0.164 MILES EAST OF BUCK SELF RD EXTENDING EAST TO 0.575 MILES EAST OF CANEY HOLLOW RD ASPHALT RESURFACING, A DISTANCE OF .85 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	90.00	TON
0010	00190	LEVELING & WEDGING PG64-22	133.00	TON
0015	00301	CL2 ASPH SURF 0.38D PG64-22	650.00	TON
0020	02562	TEMPORARY SIGNS	210.00	SQFT
0025	02650	MAINTAIN & CONTROL TRAFFIC - (KY 655)	1.00	LS
0030	02676	MOBILIZATION FOR MILL & TEXT - (KY 655)	1.00	LS
0035	02677	ASPHALT PAVE MILLING & TEXTURING	15.00	TON
0040	02697	EDGE LINE RUMBLE STRIPS	8,976.00	LF
0045	06510	PAVE STRIPING-TEMP PAINT-4 IN	8,976.00	LF
0050	06514	PAVE STRIPING-PERM PAINT-4 IN	8,976.00	LF
0055	10020NS	FUEL ADJUSTMENT	1,231.00	DOLL
0060	10030NS	ASPHALT ADJUSTMENT	3,092.00	DOLL
0065	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	8.00	TON
0070	02569	DEMOBILIZATION	1.00	LS

# MATERIAL SUMMARY

**CONTRACT ID: 213099**

**031GR22R006-CB06**

**0303117492109**

WINGFIELD CHURCH RD (KY 1749) FROM THE WARREN COUNTY LINE EXTENDING EAST TO REEF RD ASPHALT RESURFACING, A DISTANCE OF 5.32 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0075	00100	ASPHALT SEAL AGGREGATE	234.00	TON
0080	00103	ASPHALT SEAL COAT	28.00	TON
0085	00190	LEVELING & WEDGING PG64-22	757.00	TON
0090	00301	CL2 ASPH SURF 0.38D PG64-22	3,680.00	TON
0095	00462	CULVERT PIPE-18 IN	174.00	LF
0100	00464	CULVERT PIPE-24 IN	146.00	LF
0105	02483	CHANNEL LINING CLASS II	105.00	TON
0110	02562	TEMPORARY SIGNS	290.00	SQFT
0115	02650	MAINTAIN & CONTROL TRAFFIC - (KY 1749)	1.00	LS
0120	02676	MOBILIZATION FOR MILL & TEXT - (KY 1749)	1.00	LS
0125	02677	ASPHALT PAVE MILLING & TEXTURING	55.00	TON
0130	03240	BASE FAILURE REPAIR	45.00	SQYD
0135	06510	PAVE STRIPING-TEMP PAINT-4 IN	56,126.00	LF
0140	06514	PAVE STRIPING-PERM PAINT-4 IN	56,126.00	LF
0145	10020NS	FUEL ADJUSTMENT	6,973.00	DOLL
0150	10030NS	ASPHALT ADJUSTMENT	17,513.00	DOLL
0155	23322EC	AGGREGATE SIZE NO. 57	670.00	CUYD
0160	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	43.00	TON
0165	02569	DEMOBILIZATION	1.00	LS

EDMONSON COUNTY  
CB06 031 1749 000-006

Chip Shoulder Summary

	SY	RATE	1 APP TONS	2 APP TONS
#57 Stone	9354	143	669	
ASPHALT SEAL AGGREGATE	9354	25	117	<b>234</b>
ASPHALT SEAL COAT	9354	3	14	<b>28</b>

\*USE #57 STONE AS SHOULDER BASE FOR ASPHALT CHIP SEAL

**Base Failure  
Repair Summary  
CB06 031 1749 000-006**

			Total
Milepoint	Length	Width	SQYD
			45
			0
2.930	25	5	13.89
4.450	40	6	26.67
			0
			0
			0
			0
			0

## Milling Summary CB06 031 1749 000-006

					Total	40
Milepoint	Comment	Length	Width	Avg Depth	Tons	
					0	
0.000	WARREN CO LINE	100	19.5	0.5	6.0	
3.382	031B01N	100	19.5	0.5	6.0	
3.406	031B01N	100	19.5	0.5	6.0	
3.630	SLIDE PATCH (WEST END)	100	19.5	0.5	6.0	
3.810	SLIDE PATCH (EAST END)	100	19.5	0.5	6.0	
5.315	REEF RD	100	19.5	0.5	6.0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	
					0	

Additional milling shown on Bridge Detail

CB06 031 1749 000-006

**County:** EDMONSON  
**Route:** KY-1749

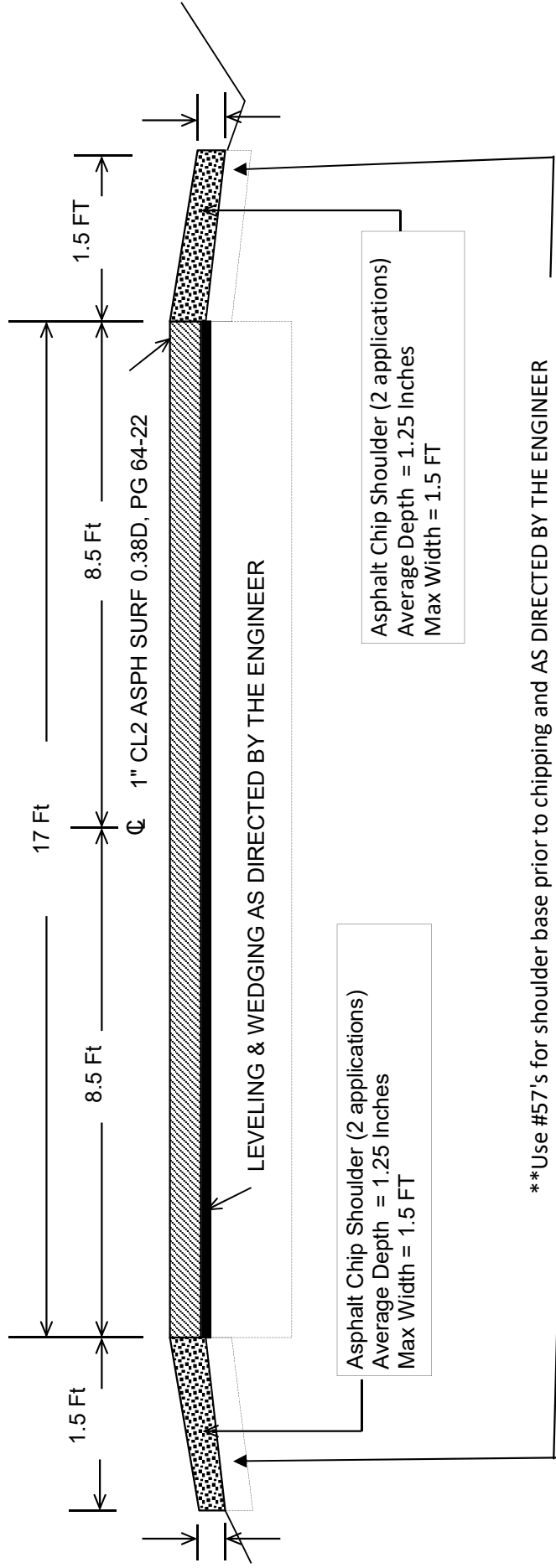
#	MP	Type Exist.	Size (in)	Length(ft)	Avg Ht	Comments
	0.615	RCP/CMP	24	35	2	25 TONS CL2 CL FOR INLET& OUTLET PROTECTION
	2.080	RCP	18	29	2	5 TONS CL2 CL FOR I&O PROTECTION
	2.480	RCP	24	40	6	10 TONS CL2 CL FOR I&O PROTECTION
	2.930	RCP	24	40	5	20 TONS CL2 CL FOR I&O PROTECTION
	3.100	RCP	18	36	3	5 TONS CL2 CL FOR I&O PROTECTION
	4.204	RCP	24	31	4	15 TONS CL2 CL FOR I&O PROTECTION
	4.409	RCP	18	37	5	10 TONS CL2 CL FOR I&O PROTECTION
	5.063	RCP	18	36	3	5 TONS CL2 CL FOR I&O PROTECTION
	5.200	RCP	18	36	4	10 TONS CL2 CL FOR I&O PROTECTION

\*\*\*All pipes replaced in pavement shall be installed and backfilled to the standard specifications, last 8 inches of backfill shall be asphalt base up to existing asphalt surface and shall be incidental to the LF of pipe installed.





**TYPICAL SECTION  
EDMONSON COUNTY  
CB06 031 1749 000-006**



Asphalt Chip Shoulder (2 applications)  
Average Depth = 1.25 Inches  
Max Width = 1.5 FT

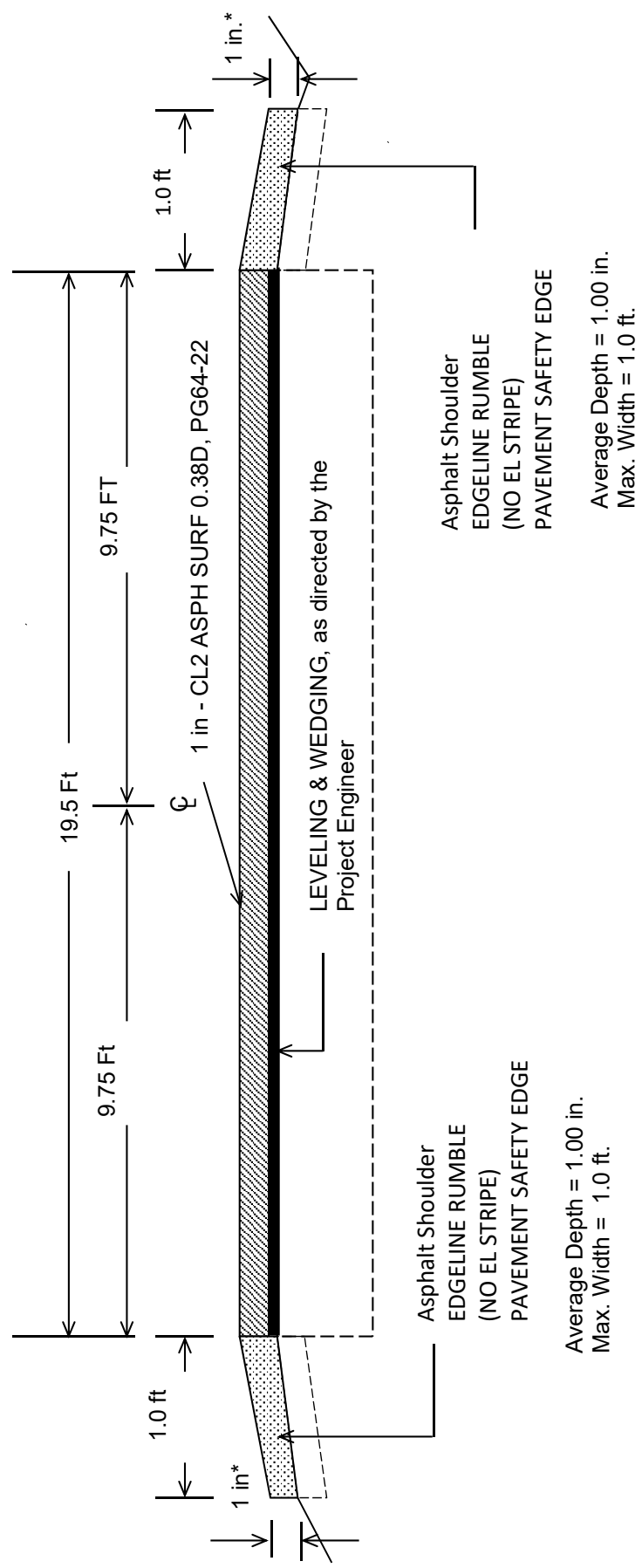
Asphalt Chip Shoulder (2 applications)  
Average Depth = 1.25 Inches  
Max Width = 1.5 FT

\*\*Use #57's for shoulder base prior to chipping and AS DIRECTED BY THE ENGINEER  
\*\*Actual Depths will vary depending on Shoulder drop conditions at time of application

**\* Where Existing Site Conditions Permit**

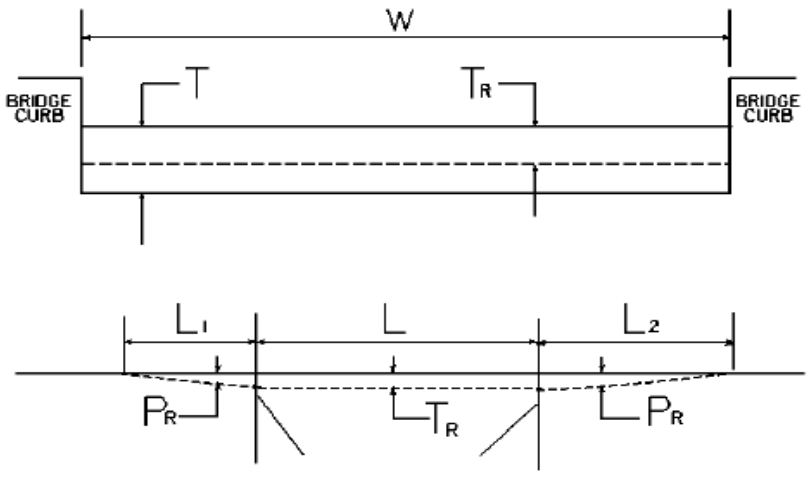
**EDMONSON COUNTY**

CB06 031 0655 004-006  
TYPICAL SECTION  
MILEPOINTS 4.210 - 5.060



**\*Where Existing Site Conditions Permit**  
**\*Use DGA where EOP dropoff exceeds 1 inch or as Engineer directs.**

**CONSTRUCTION DETAIL FOR BRIDGE WITHIN LIMITS OF  
PAVING PROJECT  
CB06 031 1749 000-006**



W = bridge width curb to curb                      T = thickness of existing bituminous overlay                      L = length of bridge  
L<sub>1</sub> & L<sub>2</sub> = length of approach pavement to be removed  
T<sub>R</sub> = thickness to be removed and replaced on bridge                      P<sub>R</sub> = thickness to be removed and replaced on pavement  
**Note:** L<sub>1</sub> & L<sub>2</sub> lengths shall be determined by using a transition rate of 100 ft / inch of thickness

BRIDGE NO	MP	W (ft)	T (in)	L <sub>1</sub> (ft)	L <sub>2</sub> (ft)	T <sub>R</sub> (in)	L (ft)	P <sub>R</sub> (in)
031B01N	3.394	22.50	0.00	100.00	100.00	0.00	127.00	1.00

**PART II**  
**SPECIFICATIONS AND STANDARD DRAWINGS**

### **SPECIFICATIONS REFERENCE**

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2019* and *Standard Drawings, Edition of 2020*.

## **SUPPLEMENTAL SPECIFICATIONS**

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

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

## 2020 STANDARD DRAWINGS THAT APPLY

### ROADWAY

#### *~GENERAL~*

#### MISCELLANEOUS STANDARDS

MISCELLANEOUS STANDARDS PART 1.....RGX-001-06

#### *~PAVEMENT~*

#### MEDIANS, CURBS, APPROACHES, ENTRANCES, ETC.

APPROACHES, ENTRANCES, AND MAIL BOX TURNOUT.....RPM-110-07

### TRAFFIC

#### *~TEMPORARY~*

#### DEVICES

LANE CLOSURE TWO-LANE HIGHWAY .....TTC-100-04

**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.

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

**II. NONDISCRIMINATION OF EMPLOYEES**

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

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

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

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

## EXECUTIVE BRANCH CODE OF ETHICS

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

KRS 11A.040 (7) provides:

No present or former public servant shall, within six (6) months following termination of his office or employment, accept employment, compensation, or other economic benefit from any person or business that contracts or does business with, or is regulated by, the state in matters in which he was directly involved during the last thirty-six (36) months of his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, or for which he received, prior to his state employment, a professional degree or license, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved during the last 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.

### **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](mailto: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

 PER HOUR

BEGINNING JULY 24, 2009

**OVERTIME PAY** At least 1½ 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.
- Some state laws provide greater employee protections; employers must comply with both.
- The law requires employers to display this poster where employees can readily see it.
- Employees under 20 years of age may be paid \$4.25 per hour during their first 90 consecutive calendar days of employment with an employer.
- Certain full-time students, student learners, apprentices, and workers with disabilities may be paid less than the minimum wage under special certificates issued by the Department of Labor.

For additional information:



# 1-866-4-USWAGE

(1-866-487-9243)

TTY: 1-877-889-5627



# WWW.WAGEHOUR.DOL.GOV

**PART IV**  
**INSURANCE**

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

**PART V**  
**BID ITEMS**

**PROPOSAL BID ITEMS**

213099

Page 1 of 1

Report Date 5/27/21

**Section: 0001 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	90.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	234.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	28.00	TON		\$	
0040	00190		LEVELING & WEDGING PG64-22	890.00	TON		\$	
0050	00301		CL2 ASPH SURF 0.38D PG64-22	4,330.00	TON		\$	
0060	00462		CULVERT PIPE-18 IN	174.00	LF		\$	
0070	00464		CULVERT PIPE-24 IN	146.00	LF		\$	
0080	02483		CHANNEL LINING CLASS II	105.00	TON		\$	
0090	02562		TEMPORARY SIGNS	500.00	SQFT		\$	
0100	02650		MAINTAIN & CONTROL TRAFFIC (KY 1749)	1.00	LS		\$	
0110	02650		MAINTAIN & CONTROL TRAFFIC (KY 655)	1.00	LS		\$	
0120	02676		MOBILIZATION FOR MILL & TEXT (KY 1749)	1.00	LS		\$	
0130	02676		MOBILIZATION FOR MILL & TEXT (KY 655)	1.00	LS		\$	
0140	02677		ASPHALT PAVE MILLING & TEXTURING	70.00	TON		\$	
0150	02697		EDGE LINE RUMBLE STRIPS	8,976.00	LF		\$	
0160	03240		BASE FAILURE REPAIR	45.00	SQYD		\$	
0170	06510		PAVE STRIPING-TEMP PAINT-4 IN	65,102.00	LF		\$	
0180	06514		PAVE STRIPING-PERM PAINT-4 IN	65,102.00	LF		\$	
0190	10020NS		FUEL ADJUSTMENT	8,204.00	DOLL	\$1.00	\$	\$8,204.00
0200	10030NS		ASPHALT ADJUSTMENT	20,605.00	DOLL	\$1.00	\$	\$20,605.00
0210	23322EC		AGGREGATE SIZE NO. 57	670.00	CUYD		\$	
0220	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	51.00	TON		\$	

**Section: 0002 - DEMOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0230	02569		DEMOBILIZATION	1.00	LS		\$	