



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET

[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

May 18, 2022

CALL NO. 340  
CONTRACT ID NO. 221024  
ADDENDUM # 2

Subject: Lewis County, FD05 068 0009 025-032  
Letting May 26, 2022

- (1) Revised - Special Notes - Pages 14-19, 22, 28, and 44-51 of 90
- (2) Revised - Proposal Bid Items - Pages 89-90 of 90

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in black ink that reads "Rachel Mills". The signature is written in a cursive, flowing style.

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:mr  
Enclosures

**GENERAL NOTES  
KY 9 – LEWIS COUNTY  
PAGE 1 OF 4**

**I. GENERAL**

Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction, Current Edition, Supplemental Specifications, any applicable Special Provisions, and applicable Standard and Sepia Drawings, except as hereafter specified. Article references are to the Standard Specifications. Furnish all materials, labor, equipment, and incidentals for the work identified in the proposal.

**II. MATERIALS**

Except as specified in these notes or on the drawings, all materials will be according to the Standard Specifications and applicable Special Provisions and Special Notes. The Department will sample and test all materials according to Department's Sampling Manual and the Contractor will have the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing, unless otherwise specified in these notes.

**III. CONSTRUCTION METHODS**

**A. Maintain and Control Traffic**

See Traffic Control Plan and Standard Specifications.

**B. Site Preparation**

Be responsible for all site preparation. Do not disturb existing signs unless noted on the plans. This item will include, but is not limited to, incidental excavation and backfilling; removal of all obstructions or any other items; disposal of materials; sweeping and removal of debris; shoulder preparation and restoration, temporary and permanent erosion and pollution control; and all incidentals. Site preparation will be only as approved or directed by the Engineer. Other than the bid items listed, no direct payment will be made for site preparation, but will be incidental to the other items of work.

**B. Disposal of Waste**

Dispose of all cuttings, debris, and other waste off the right-of-way at approved sites obtained by the Contractor at no additional cost to the Department. The Contractor will be responsible for obtaining any necessary permits for this work. Temporary openings in the right of way fence for direct access to waste sites off the right of way or for access to other public roads will not be allowed. No separate payment will be made for the disposal of waste and debris from the project or obtaining the necessary permits but will be incidental to the other items of the work.

**C. Final Dressing, Clean Up, and Seeding and Protection**

After all work is completed, completely remove all debris from the job site. Perform Class A Final Dressing on all disturbed areas. Sow disturbed earthen areas with Seed Mixture No. 1. These items are incidental to other items in the contract.

**D. Guardrail**

Remove and replace guardrail and guardrail end treatments listed in this proposal and/or as directed by the Engineer. Guardrail, end treatments and terminal sections are listed by mile points and quantities are approximate only. Actual locations will be determined by the Engineer at the time of construction. Grade and reshape shoulders to proper template for new guardrail and end treatment. Utilize DGA for embankment when required for new end treatments. Remove any existing guardrail with a lane closure in place. Do not leave the area unprotected. After the guardrail is removed, a shoulder closure shall remain in place until the guardrail is replaced in that area. To minimize safety hazards, guardrail removal is to be performed at the latest practical time prior to initiating the paving operation in an area and re-installation is to begin within 5 calendar days from the time that the final base course is completed and shall be pursued until completion. If guardrail installation is not started within 5 calendar days after paving operations ends, liquated damages will be charged as outlined in Section 108 in the current edition of the Standard Specifications.

**GENERAL NOTES  
KY 9 – LEWIS COUNTY  
PAGE 2 OF 4**

The Contractor shall deliver existing salvaged guardrail system materials to the Central Sign Shop and Recycle Center in Frankfort, KY (502-564-8187) between the hours of 8:00 AM and 3:00 PM, Monday through Friday, and shall be neatly stacked in accordance with section 719.03.07 of the standard specifications. There is a guardrail delivery verification sheet which must be completed. The Contractor, Engineer, and Central Sign/Guardrail Center representative must all sign off on this sheet before payment may be made.

**E. Pavement Striping and Pavement Markers**

Permanent striping will be in accordance with Section 714, except that:

- (1) Permanent or temporary striping will be in place before a lane is opened to traffic; and
- (2) Permanent striping will be Spray Thermoplastic Marking.

**F. On-Site Inspection**

Each Contractor submitting a bid for this work will make a thorough inspection of the site prior to submitting a bid and will thoroughly familiarize themselves with existing conditions so that the work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. Any claims resulting from site conditions will not be honored by the Department.

**G. Caution**

Information shown on the drawings and in this proposal and the types and quantities of work listed are not to be taken as an accurate or complete evaluation of the material and conditions to be encountered during construction. The bidder must draw their own conclusions as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation if the conditions encountered are not in accordance with the information above.

**H. Utility Clearance**

It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, if it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities.

**IV. METHOD OF MEASUREMENT**

**A. Maintain and Control Traffic**

See Traffic Control Plan.

**B. Site Preparation**

Other than the bid items listed, site preparation will not be measured for payment, but will be incidental to the other items of work.

**C. Dense Graded Aggregate**

DGA used for guardrail and guardrail end treatments will be measured for payment.

**D. Pavement Repairs**

Pavement repairs and shoulder failure repairs will be measured in tons of Asphalt Pave Milling and Texturing and in tons of asphalt pavement.

**E. Inlaid Pavement Markers and Permanent Striping**

Permanent striping is measured per linear foot. Inlaid Pavement Markers are measured as each.

**V. BASIS OF PAYMENT**

No direct payment will be made other than for the bid items listed. All other items required to complete the construction will be incidental to the bid items listed. Existing signs (not to be disturbed) that are damaged by the Contractor will be replaced by the Contractor at his expense.

**GENERAL NOTES  
KY 9 – LEWIS COUNTY  
PAGE 3 OF 4**

**A. Maintain and Control Traffic**

See Traffic Control Plan.

**B. Site Preparation**

Other than the bid items listed, no direct payment will be allowed for site preparation, but will be incidental to the other items of work.

**C. Dense Grade Aggregate**

See Section 302 of the Standard Specifications.

**D. Pavement Repairs**

Pavement repairs will be paid in bid items "CL3 ASPH BASE PG64-22 1.00D" and "ASPHALT MILLING AND TEXTURING (PAVEMENT REPAIRS)". These items shall include all materials and work needed to complete each shoulder and pavement repair.

**E. Lane Closures**

Contrary to Section 112, lane closures will not be measured for payment but will be incidental to the bid item "Maintain and Control Traffic". Arrow boards, portable message boards, and signs shall be paid for one time regardless of how many times they are moved.

**VI. MISCELLANEOUS**

- A. The dimensions shown on the typical sections for pavement and shoulder widths and thickness are nominal or typical dimensions. The actual dimensions to be constructed may be varied to fit existing conditions as directed or approved by the Engineer. It is not intended that existing pavement or shoulders be widened unless specified in the Proposal.
- B. The Contractor is advised that locations of low wires crossing the roadway exist. These and all other utilities should be avoided on this project. If any utility is impacted, it will be the Contractor's responsibility to contact the affected utility and cover any costs associated with the impact.
- C. Guardrail, End Treatments, and Terminal Sections to be replaced are listed by mileposts. Exact placement to be approved by the Engineer on construction.
- D. Any signs (not to be replaced) and any light poles that are damaged during Construction are to be replaced at the Contractor's expense.
- E. Any existing edge drain system is to be preserved. Care should be taken when the asphalt is removed and replaced. Any edge drains damaged during these activities will be replaced at the Contractor's expense. Record plans do not indicate that there is an existing edge drain system.
- F. Pavement rideability requirements in accordance with Section 410 Category A of the standard specifications shall apply on this project.
- G. The Department will accept the compaction of asphalt mixtures furnished for the driving lanes at one inch or greater on this project by Option A according to subsections 402 and 403 of the Standard Specifications. The Department will accept the compaction of all other mixtures by Option B.
- H. The Contractor shall be responsible for the repair of any asphalt in the travelled lanes that becomes detrimental or hazardous to the travelling public during construction. Areas needing repair will be at the discretion of the Engineer.
- I. No tree cutting is allowed nor should it be necessary. If cutting of trees is absolutely necessary for a specific area, then Engineer will determine if the work in that specific area can be eliminated from the contract.
- J. Delineators shall meet the requirements of Section 830 and 838 of the Standard Specifications. Delineators shall be placed in accordance with Section 3F of the M.U.T.C.D., current edition and Kentucky Standard Drawings, current edition.

**GENERAL NOTES**  
**KY 9 – LEWIS COUNTY**  
**PAGE 4 OF 4**

- K. Quantities have been included in the General Summary for Shoulder Failure Repairs and Pavement Repairs. The Engineer will determine the actual locations that will be repaired based upon the condition of the pavement at the time the repairs are accomplished. The Engineer shall determine the extent of the repairs.
- L. Non tracking tack material shall be used.
- M. All existing stop bars at approach roads shall be restriped. Locations and any additional stop bars needed and other striping on the crossroad shall be determined by the Engineer.
- N. The limits of the milling of the approach roads are shown in the plans. These limits may be adjusted by the Engineer. These areas shall be milled 1.5" and refilled with same surface course used for the mainline.
- O. A Material Transfer Vehicle (MTV) shall be required. No payment shall be made for this and will be considered incidental to asphalt bid items.

GENERAL SUMMARY				
KY 9 - LEWIS COUNTY - ITEM NO. 09-22354.00				
BID CODE	ITEM	UNIT	NOTES	QUANTITIES
				TOTALS
00001	DGA BASE	TON		412
00100	ASPHALT SEAL AGGREGATE	TON		70
00103	ASPHALT SEAL COAT	TON		8
00190	LEVELING & WEDGING PG64-22	TON		636
00214	CL3 ASPH BASE 1.00D PG64-22	TON	5	23.4
00388	CL3 ASPH SURF 0.38B PG64-22	TON		9,542
01987	DELINEATOR FOR GUARDRAIL B/W	EACH		111
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF		6,365
02360	GUARDRAIL TERMINAL END SECTION NO 1	EACH		4
02367	GUARDRAIL END TREATMENT TYPE 1	EACH		30
02381	REMOVE GUARDRAIL	LF		6,365
02396	REMOVE GUARDRAIL END TREATMENT	EACH		30
02562	TEMPORARY SIGNS	SQFT	3	1,000
02568	MOBILIZATION	LS		1
02569	DEMOBILIZATION	LS		1
02650	MAINTAIN AND CONTROL TRAFFIC	LS		1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	3	2
02676	MOBILIZATION FOR MILL & TEXT	LS		1
02677	ASPHALT PAVE MILLING AND TEXTURING	TON		9,542
02677	ASPHALT PAVE MILLING AND TEXTURING (PAVEMENT REPAIRS)	TON	5	23.4
02696	SHOULDER RUMBLE STRIPS	LF		29,169
02726	STAKING	LS		1
02775	ARROW PANEL	EACH	3	2
06510	PAVE STRIPING-TEMP PAINT-4 IN	LF	3	59,970
06549	PAVE STRIPING-TEMP REM TAPE-B	LF	2,3	1,000
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	2,3	500
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	2,3	500
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF		168
06569	PAVE MARKING-THERMO CROSS-HATCH	SQFT		12,026
06573	PAVE MARKING-THERMO STR ARROW	EACH		8
06574	PAVE MARKING-THERMO CURV ARROW	EACH		9

GENERAL SUMMARY				
KY 9 - LEWIS COUNTY - ITEM NO. 09-22354.00				
BID CODE	ITEM	UNIT	NOTES	QUANTITIES
				TOTALS
06610	INLAID PAVEMENT MARKERS MW	EACH		68
06612	INLAID PAVEMENT MARKERS BY	EACH		438
10020NS	FUEL ADJUSTMENT	DOLL		15,878
10030NS	ASPHALT ADJUSTMENT	DOLL		39,882
20191ED	OBJECT MARKER TYPE 3	EACH		30
20366NN	REPLACE GRATE	EACH		3
20458ES403	CENTERLINE RUMBLE STRIPS	LF		29,649
22883EN	CONCRETE WEDGE CURB	LF		5,101
24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	SQFT		774,394
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	TON		40
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF		62,308
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF		34,548
26119EC	INSTALL RADAR PRESENCE DETECTR TYPE A	EACH	4	4

NOTES:

- 1. Quantities from all other summary sheets have been carried over and included in this General Summary Sheet.
- 2. For traffic tapers at the ends of project.
- 3. For maintenance of traffic.
- 4. For KY 57 Intersection.
- 5. For pavement repairs and shoulder pavement repairs.

SCHEDULE AND SUMMARY OF PAVEMENT REPAIRS										
KY 9 - LEWIS COUNTY - ITEM NO. 09-22354.00										
APPROXIMATE LOCATION							PAVEMENT REPAIR		SHOULDER FAILURE REPAIR	
KY 9	KY 57	SIMMONS ROAD	DIRECTION	NOTES	STATION	MILEPOINT	CL3 ASPH BASE 1.00D PG64-22	ASPHALT PAVE MILLING & TEXTURING (PAVEMENT REPAIR)	CL3 ASPH BASE 1.00D PG64-22	ASPHALT PAVE MILLING & TEXTURING (PAVEMENT REPAIR)
							00214	02677	00214	02677
X			EB	4	1397+27	30.285	2.6	2.6		
X			WB	4	1453+39	29.222	2.6	2.6		
X			WB	4	1480+37	28.710	2.6	2.6		
X			WB	4	1489+62	28.536	2.6	2.6		
X			EB	4	1489+62	28.536	2.6	2.6		
	X		NB	4	1498+80	28.362			7.9	7.9
		X	SB	4	1561+21	27.179			2.5	2.5
KY 9 TOTALS:							13.0	13.0		
APPROACH ROAD TOTALS:									10.4	10.4
PROJECT TOTALS:							13.0	13.0	10.4	10.4

NOTES:

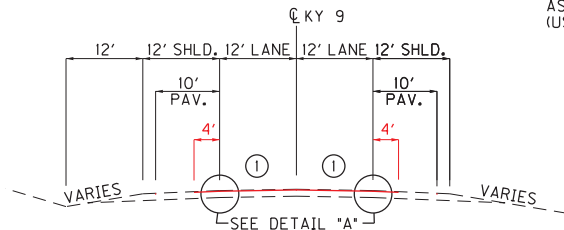
- 1. Locations and quantities of repairs are approximate. Actual locations and quantity will be determined by the Engineer.
- 2. Repair quantities are carried over and included in the General Summary.
- 3. All stationing and milepoints are based on KY 9.
- 4. Depths of Asphalt Pave Milling and Texturing and Asphalt Base are 4.5 inches.



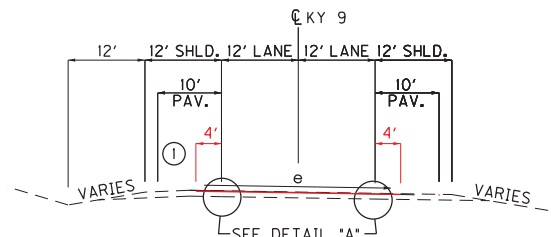
# PROPOSED TYPICAL SECTIONS

## NOTES

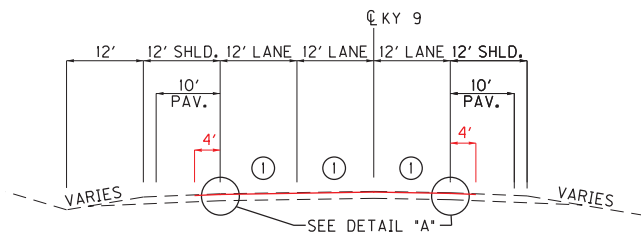
- ① MATCH EXISTING CROSS SLOPES.
2. IN LOCATIONS WHERE GUARDRAIL IS BEING REMOVED AND REPLACED, ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:  
 ASPHALT SEAL COAT @ 2.40 LBS. /SQ. YD.  
 ASPHALT SEAL AGGREGATE @ 20 LBS. /SQ. YD.  
 (USE NO.8 OR 9M AGGREGATES.)



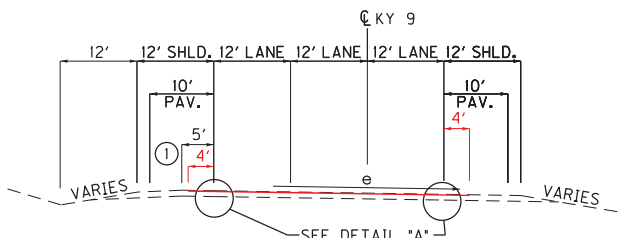
**KY 9 NORMAL CUT/FILL SECTION**



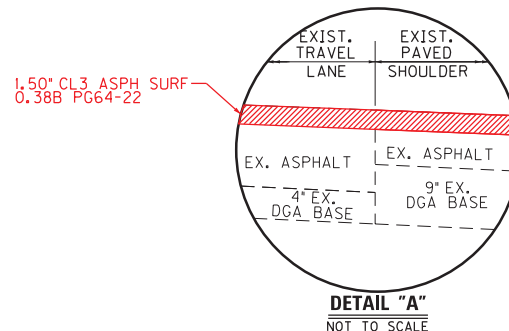
**KY 9 RIGHT SUPERLOADED CUT/FILL SECTION**



**KY 9 NORMAL CUT/FILL SECTION WITH TRUCK CLIMBING LANE**

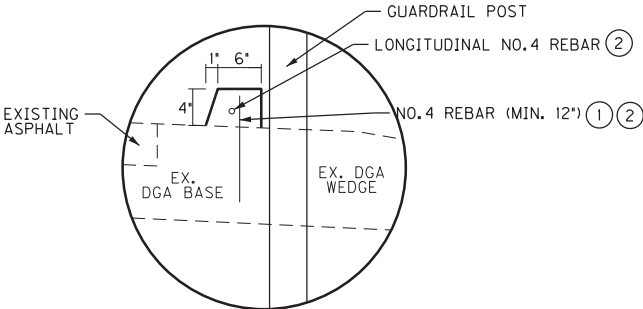


**KY 9 RIGHT SUPERLOADED CUT/FILL SECTION WITH TRUCK CLIMBING LANE**



NOT TO SCALE

PROPOSED TYPICAL SECTIONS  
PAGE 1 OF 1



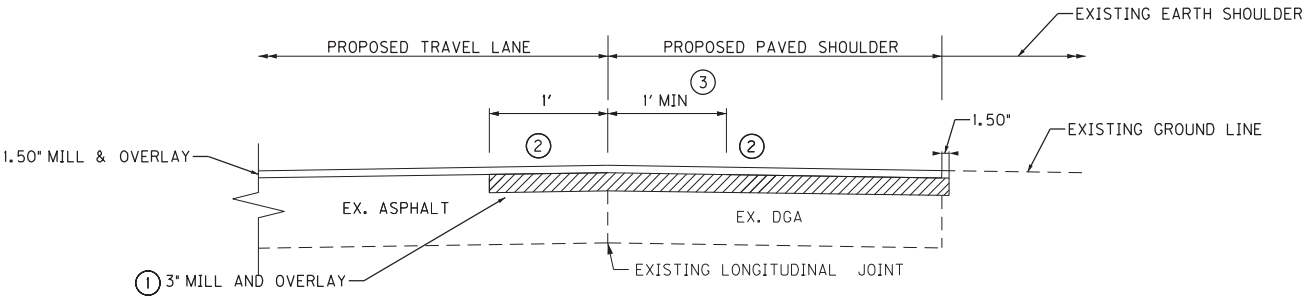
**CONCRETE WEDGE CURB DETAIL**

NOT TO SCALE

CONCRETE WEDGE CURB NOTES

- ① NO. 4 REBAR TO BE SPACED 2' - 6" OC.
- ② REBAR IS INCIDENTAL TO CONCRETE WEDGE CURB.

QUANTITIES TO BID  
22883EN CONCRETE WEDGE CURB



QUANTITIES TO BID  
00214 CL3 ASPH BASE 1.00D PG64-22  
02677 ASPHALT PAVE MILLING & TEXTURING (PAVEMENT REPAIR)

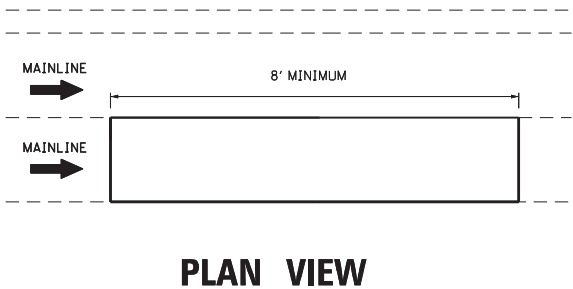
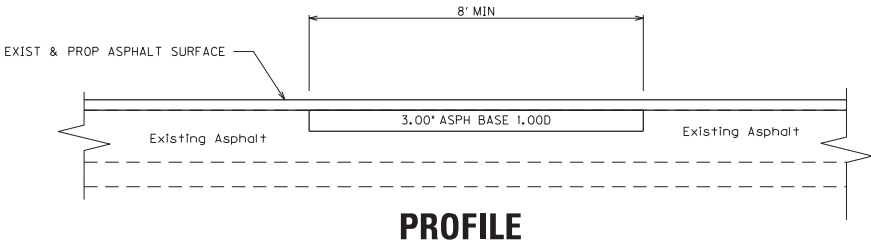
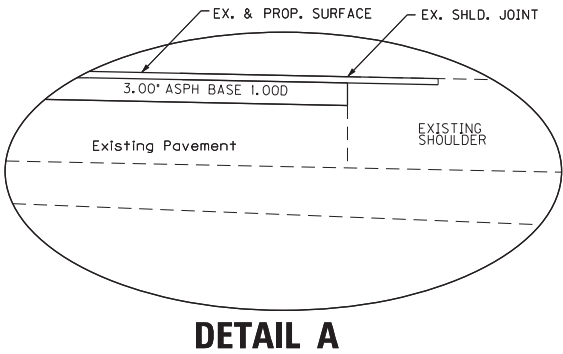
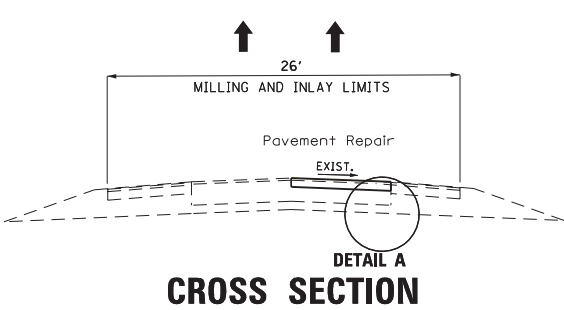
**SHOULDER PAVEMENT REPAIR**

NOT TO SCALE

LONGITUDINAL JOINT REPAIR NOTES

- ① AT THE LONGITUDINAL SHOULDER JOINT MILL AN ADDITIONAL 3" OF EXISTING ASPHALT. THEN OVERLAY WITH THE FOLLOWING ASPHALT BASE COURSES:  
3" CL3 ASPH BASE PG64-22 1.00D
- ② MATCH EXISTING CROSS SLOPES.
- ③ WIDTH OF SHOULDER AREA TO BE REMOVED SHALL BE DETERMINED BY THE ENGINEER, HOWEVER IT SHALL BE 1 FOOT MINIMUM.
- 4 ANY ADDITIONAL MATERIALS AND WORK NEEDED TO COMPLETE THE SHOULDER PAVEMENT REPAIR SHALL BE INCIDENTAL TO THE ASPHALT BASE.

PAVEMENT REPAIR DETAIL



\* QUANTITIES TO BID  
00214 CL3 ASPH BASE 1,000 PG64-22  
02677 ASPHALT PAVE MILLING & TEXTURING (PAVEMENT REPAIR)

NOTES

1. (NOTE NOT USED)
2. Pavement repairs shall be performed at locations selected by and as directed by the Engineer. The Engineer will assess, select, and mark areas for treatment. The full lane width will be removed and replaced.
3. Complete pavement repair operations in one continuous operation or protect with barrier wall. Do not leave an unprotected hole with no workers present. If barrier wall must be used for pavement repairs, it will be considered incidental to other items of work and not be considered for payment.
4. Before resurfacing, open repaired area to traffic for a minimum of 14 days. Monitor pavement for settlement during this 14+ days and repair by leveling and wedging, as approved by the Engineer, until placement of final surface course.
5. (NOTE NOT USED)
6. Perform typical mill and inlay operations with resurfacing items subject to payment as part of the resurfacing operation.
7. Asphalt base courses shall be CL3 ASPH BASE PG64-22 1,000.

**TRAFFIC CONTROL PLAN  
KY 9 – LEWIS COUNTY  
PAGE 1 OF 5**

**TRAFFIC CONTROL GENERAL**

Except as provided herein, maintain and control traffic in accordance with the Standard Specifications and the Standard Drawings, current editions. Except for the roadway and traffic control bid items listed, all other items of work, described herein, necessary to maintain and control traffic, will be paid for with the lump sum bid price to "Maintain and Control Traffic". All lane closures used on the project shall be in compliance with the appropriate Standard Drawings and MUTCD.

Contrary to Section 106.01, traffic control devices used on this project may be new or used in like-new condition at the beginning of the work and maintained in like-new condition until completion of the work. Traffic Control Devices will conform to current MUTCD.

Night work will not be allowed on this project.

**PROJECT PHASING AND CONSTRUCTION PROCEDURES**

The Contractor shall maintain along KY 9 a minimum of one 11-foot lane except as noted in this proposal. During lane closures, a minimum of one pilot cars and two flaggers shall be used. A flagger and pilot car shall be utilized on each end of the lane closure, and as directed and approved by the Engineer. Pilot cars and flaggers shall be incidental to "Maintain and Control Traffic".

Use a lane closure at all times when work is performed in the adjacent lane or adjacent shoulder. Shoulders shall not be used for traffic unless a situation requires and pilot car shall then lead the traffic along the pavement. This shall be as directed and approved by the Engineer. All removal of existing striping shall be by water blasting, unless otherwise directed by the Engineer, and this work shall be considered incidental to "Maintain and Control Traffic". Remove edge lines as necessary and approved by the Engineer throughout the project.

Provide a minimum clear lane width of 11 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 or emergency vehicle on an official run arrives on the scene, make provisions for the passage of the school bus or emergency vehicle as quickly as possible.

All pavement edge transitions must be smooth and level before opening lanes up to traffic. A lane closure must be in place during all times that pavement edge drop-offs are present (see Pavement Edge Drop-off note).

The Engineer will determine exact locations and limits of pavement failure repairs and shoulder failure repairs at the time of construction. Once removal of pavement at a repair location has begun, Contractor shall work continuously to eliminate the "hole". Place Type III Barricades immediately in front of pavement repair and shoulder repair areas. Type III Barricades shall be considered incidental to "Maintain and Control Traffic."

The Contractor must notify the Engineer at least fourteen (14) days prior to beginning construction in either direction.

**CONSTRUCTION PHASES**

**PHASE 1**

Close the northbound lane and shoulder. Both directions shall be maintained in the southbound lane, using flaggers and pilot car(s). Complete milling and resurfacing on the northbound lane and shoulder. Complete pavement failure repairs and shoulder failure repairs on the northbound lane and shoulder concurrent with milling, as directed by the Engineer.

**TRAFFIC CONTROL PLAN  
KY 9 – LEWIS COUNTY  
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**PHASE 2**

Close the southbound lane and shoulder. Both directions shall be maintained in the northbound lane, using flaggers and pilot car(s). Complete milling and resurfacing on the southbound lane and shoulder. Complete pavement failure repairs and shoulder failure repairs of southbound lane and shoulder concurrent with milling, as directed by the Engineer.

**PHASE 3**

Using shoulder closures, as directed by the Engineer, complete guardrail installation and erosion repairs. Complete rumble strips and place permanent striping using temporary lane closures, as directed by the Engineer.

**LANE AND SHOULDER CLOSURES**

Limit the lengths of lane and shoulder closures to only that needed for actual operations in accordance with the phasing specified herein, or as directed by the Engineer.

Other than the holidays listed in the current Standard Specifications, the Engineer may specify additional days and hours when lane closures are not allowed.

Contrary to Section 112, lane and shoulder closures will NOT be measured for payment, but are considered incidental to "Maintain and Control Traffic."

**SIGNS**

Additional traffic control signs in addition to normal lane closure signing detailed on the Standard Drawings may be required by the Engineer. Signage for reduced speed limits and double fine work zones will be furnished, relocated, and maintained by the Contractor.

Contrary to Section 112, individual signs will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged signs or signs directed to be replaced by the Engineer due to poor legibility or reflectivity will not be measured for payment.

A quantity of signs has been included for "Roadwork Ahead" signs on cross roads to be paid for only once no matter how many times they are moved or relocated.

**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.

**TRAFFIC CONTROL PLAN  
KY 9 – LEWIS COUNTY  
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**PORTABLE CHANGEABLE MESSAGE SIGNS**

Provide portable changeable message signs in advance of and within the project at locations to be determined by the Engineer. If work is in progress concurrently in both directions provide additional portable changeable message signs. Place portable changeable message signs one mile in advance of the anticipated queue at each lane closure. As the actual queue lengthens and/or shortens relocate or provide additional portable changeable message signs so that traffic has warning of slowed or stopped traffic at least one mile but not more than two miles before reaching the end of the actual queue. The locations designated may vary as the work progresses. The messages required to be provided will be designated by the Engineer. The portable changeable message signs will be in operation always. In the event of damage or mechanical/electrical failure, the Contractor will repair or replace the Portable Changeable Message Sign immediately. Portable Changeable Message Signs will be paid for once, no matter how many times they are moved or relocated. The Department WILL NOT take possession of the signs upon completion of the work.

**BARRELS**

Barrels are to be used for channelization or delineation and will be incidental to “Maintain and Control Traffic” according to Section 112.04.01. Replacement of damaged barrels due to poor condition or reflectivity, as directed by the Engineer, will not be measured for payment.

**TRUCK MOUNTED ATTENUATORS**

Furnish and install MUTCD approved Truck Mounted Attenuators (TMAs) in advance of work areas when workers are present less than 12 feet from traffic. If there is less than 500 feet between work sites, only a single TMA will be required at a location directed by the Engineer. Locate the TMAs at the individual work sites and move them as the work zone moves within the project limits. All details of the TMA installations shall be approved by the Engineer. TMAs will not be measured for payment but are incidental to Maintain and Control Traffic. The Department WILL NOT take possession of the TMAs upon completion of the work.

**PAVEMENT MARKINGS**

Place temporary and permanent striping in accordance with Section 112, Section 714, and the special note for Spray Applied Thermoplastic Pavement Marking Materials except that:

1. Permanent striping will be 6" in width and as shown in standard drawings.
2. If the Contractor's operations or phasing requires temporary markings which must be subsequently removed from the ultimate pavement, an approved removable lane tape will be used;
3. Existing, temporary, or permanent striping will be in place before a lane is opened to traffic; and
4. Permanent striping will be Spray Thermoplastic Marking.

The Contractor is to restripe the roadway back to its original configuration or as directed by the Engineer.

Removal of existing and temporary striping shall be incidental to “Maintain and Control Traffic.”

**BARRICADES**

Barricades used for channelization or delineation, and shoulder failure repairs and pavement repairs shall be incidental to “Maintain and Control Traffic”. As directed by the Engineer

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KY 9 – LEWIS COUNTY  
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replacements for damaged barrels to be replaced due to poor condition or reflectivity will not be measured for payment.

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

Pavement edge drop-offs will be protected by a lane or shoulder closure. Lane closures will be protected with barrels, vertical panels, or barricades as shown on the Standard Drawings.

A pavement edge between opposing directions of traffic or lanes that traffic is expected to cross in a lane change situation shall not have an elevation difference greater than 1 ½". Place warning signs (MUTCD W8-11 or W8-9A) in advance of and at 1500' intervals throughout the drop-off area. Dual posting on both sides of the traveled way shall be required. Pavement edges that traffic is not expected to cross, except accidentally, shall be treated as follows:

- Less than 2" – Protect with a lane closure.
- 2" to 4" – Protect with a lane closure. Place barrels, vertical panels, or barricades every 50 feet. Traffic cones may not be used in place of barrels, panels, and barricades at any time. Construct a wedge with compacted cuttings from milling, trenching, or asphalt mixtures with a 3:1 or flatter slope, when work is not active in the drop-off area. Place Type III Barricades at the beginning of the lane closures, and place additional Type III Barricades spaced at 2,500 feet during the time the lane closure is in place.
- Guardrail Installation – All areas from which guardrail is removed shall be protected by a shoulder closure or other method approved by the Engineer until the new guardrail is installed.

### **TRAFFIC COORDINATOR**

Designate an employee to be Traffic Coordinator. The designated Traffic Coordinator must be certified by an agency qualified for training in this area. The Traffic Coordinator will inspect the project maintenance of traffic once every two hours during the Contractor's operations and at any time a lane closure is in place. The Traffic Coordinator will report all incidents throughout the work zone to the Engineer on the project. The Contractor will furnish the name and telephone number where the Traffic Coordinator can be contacted always.

During any period when a lane closure is in place, the Traffic Coordinator will arrange for personnel to be present on the project always to inspect the traffic control, maintain the signing and devices, and relocate portable changeable message boards as queue lengths change. The personnel will have access on the project to a radio or telephone to be used in case of emergencies or accidents.

### **COORDINATION OF WORK**

The Contractor is advised that other projects may be in progress within or in the near vicinity of this project. The traffic control of those projects may affect this project and the traffic control of this project may affect those projects. The Contractor will coordinate the work on this project with the work of the other Contractors. In case of conflict, the Engineer will determine the relative priority to give to work phasing on the various projects.

### **CONTRACTOR'S AND CONTRACTOR'S EMPLOYEES' VEHICLES**

Do not allow contractors equipment or employees to park on private property or block access to any private or business entrances at any time.

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**INCIDENTAL TO MAINTENANCE OF TRAFFIC**

As noted in above paragraphs the following items will not be measured but are considered incidental to “Maintain and Control Traffic.”

- Lane and Shoulder Closures
- Barrels and Replacement of Damaged Barrels
- Type III Barricades
- Removal of Existing and Temporary Striping
- Relocations of Portable Changeable Message Signs
- Relocation or Covering of Signs
- Replacement of Damage Signs
- Maintenance of Shoulders to Maintain Traffic
- Truck Mounted Attenuators
- Pilot Cars
- Flaggers



**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.

Removal of the existing markers will be considered incidental to “Asphalt Pave Milling and Texturing” regardless of whether they are in the milling limits or not.

221024

PROPOSAL BID ITEMS

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00100		ASPHALT SEAL AGGREGATE	70.00	TON		\$	
0020	00103		ASPHALT SEAL COAT	8.00	TON		\$	
0030	00190		LEVELING & WEDGING PG64-22	636.00	TON		\$	
0035	00214		CL3 ASPH BASE 1.00D PG64-22 (ADDED 5-18-22)	23.40	TON		\$	
0040	00388		CL3 ASPH SURF 0.38B PG64-22	9,542.00	TON		\$	
0050	02677		ASPHALT PAVE MILLING & TEXTURING	9,542.00	TON		\$	
			ASPHALT PAVE MILLING & TEXTURING (PAVEMENT REPAIR) (ADDED 5-18-22)	23.40	TON		\$	
0055	02677							
0060	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	774,394.00	SF		\$	
			ASPHALT MATERIAL FOR TACK NON- TRACKING	40.00	TON		\$	
0070	24970EC							

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0080	00001		DGA BASE	412.00	TON		\$	
			DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	111.00	EACH		\$	
0090	01987							
0100	02351		GUARDRAIL-STEEL W BEAM-S FACE	6,365.00	LF		\$	
0110	02360		GUARDRAIL TERMINAL SECTION NO 1	4.00	EACH		\$	
0120	02367		GUARDRAIL END TREATMENT TYPE 1	30.00	EACH		\$	
0130	02381		REMOVE GUARDRAIL	6,365.00	LF		\$	
0140	02396		REMOVE GUARDRAIL END TREATMENT	30.00	EACH		\$	
0150	02562		TEMPORARY SIGNS	1,000.00	SQFT		\$	
0160	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0170	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0180	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0190	02696		SHOULDER RUMBLE STRIPS	29,169.00	LF		\$	
0200	02726		STAKING	1.00	LS		\$	
0210	02775		ARROW PANEL	2.00	EACH		\$	
0220	06510		PAVE STRIPING-TEMP PAINT-4 IN	59,970.00	LF		\$	
0230	06549		PAVE STRIPING-TEMP REM TAPE-B	1,000.00	LF		\$	
0240	06550		PAVE STRIPING-TEMP REM TAPE-W	500.00	LF		\$	
0250	06551		PAVE STRIPING-TEMP REM TAPE-Y	500.00	LF		\$	
0260	06568		PAVE MARKING-THERMO STOP BAR-24IN	168.00	LF		\$	
0270	06569		PAVE MARKING-THERMO CROSS-HATCH	12,026.00	SQFT		\$	
0280	06573		PAVE MARKING-THERMO STR ARROW	8.00	EACH		\$	
0290	06574		PAVE MARKING-THERMO CURV ARROW	9.00	EACH		\$	
0300	06610		INLAID PAVEMENT MARKER-MW	68.00	EACH		\$	
0310	06612		INLAID PAVEMENT MARKER-BY	438.00	EACH		\$	
			FUEL ADJUSTMENT (REVISED 5-18-22)	15,878.00	DOLL	\$1.00	\$	\$15,878.00
0320	10020NS							
			ASPHALT ADJUSTMENT (REVISED 5-18-22)	39,882.00	DOLL	\$1.00	\$	\$39,882.00
0330	10030NS							
0340	20191ED		OBJECT MARKER TY 3	30.00	EACH		\$	
0350	20366NN		REPLACE GRATE	3.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0360	20458ES403		CENTERLINE RUMBLE STRIPS	29,649.00	LF		\$	
0380	22883EN		CONCRETE WEDGE CURB	5,101.00	LF		\$	
0400	24995EC		PAVE STRIPING-SPRAY THERMO-6 IN W	62,308.00	LF		\$	
0410	24996EC		PAVE STRIPING-SPRAY THERMO-6 IN Y	34,548.00	LF		\$	
0420	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	4.00	EACH		\$	

Section: 0003 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0430	02568		MOBILIZATION	1.00	LS		\$	
0440	02569		DEMOBILIZATION	1.00	LS		\$	