



Andy Beshear  
GOVERNOR

## TRANSPORTATION CABINET

200 Mero Street  
Frankfort, Kentucky 40601

Jim Gray  
SECRETARY

April 20, 2023

CALL NO. 200  
CONTRACT ID NO. 231319  
ADDENDUM # 1

Subject: Bullitt-Hardin Counties, 121GR23D019-NHPP STPBRO  
Letting April 27, 2023

- (1) Revised - Notes - Pages 22-25 of 451
- (2) Revised - Summary Sheets - Pages 26-30 & 393-396 of 451
- (3) Revised - Typical Sections - Pages 34-35 of 451
- (4) Revised - Proposal Bid Items - Pages 448-451 of 451

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".

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

RM:mr  
Enclosures

**GENERAL NOTES**  
**I-65 – BULLITT**  
**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 following work:

- (1) Maintain and Control Traffic;
- (2) Remove and reset or replace guardrail, guardrail end treatments, and crash cushions at the locations listed and/or as directed by the Engineer;
- (3) Pavement Removal;
- (4) Asphalt Pavement;
- (5) Inlaid Pavement Markers; and
- (6) All other work specified as part of this contract.

**II. MATERIALS**

Except as specified in these notes or on the drawings, all materials will be according to the Standard Specifications, current edition, 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.

**A. Maintain and Control Traffic**

See Traffic Control Plan.

**B. Crushed Stone Base**

DGA may not be furnished in lieu of Crushed Stone Base.

**C. Pavement Markings**

Use Durable Tape and Extruded Thermoplastic Marking.

**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.

**C. 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.

**GENERAL NOTES**  
**I-65 – BULLITT**  
**PAGE 2 OF 4**

**D. 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. Payment, however, will be allowed for erosion control items associated with construction and removal of the temporary crossovers. Disturbed areas for the crossover are to be minimized and limited to the disturbed limits shown on the plans or as approved by the Engineer.

**E. Guardrail**

Remove and replace guardrail and guardrail end treatments listed in this proposal and/or as directed by the Engineer. Guardrail, end treatments, terminal sections, and crash cushions 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 CSB 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 be complete before northbound traffic is returned to the northbound side in phase 1 and before southbound traffic is returned to the southbound side in phase 2. If guardrail installation is not complete before traffic is shifted, liquidated damages will be charged as outlined in Section 108 of the current Standard Specifications.

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.

Note that the cable-rope barrier system in the median is not applicable to the above.

**F. Pavement Striping and Pavement Markers**

Permanent striping will be in accordance with Section 714 and temporary striping will be in accordance with Section 112, except that:

- (1) Striping will be 6-inch width (12-inch width for interchange gore areas);
- (2) Permanent and/or temporary striping will be in place before a lane is opened to traffic; and
- (3) Permanent striping will be Durable Tape Type 1 and Extruded Thermoplastic Markings.

**G. 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.

**H. 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.

**GENERAL NOTES**  
**I-65 – BULLITT**  
**PAGE 3 OF 4**

**I. 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. Crushed Stone Base**

CSB used for CSB base and CSB wedges will be measured for payment.

**D. 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.

**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. Crushed Stone Base**

See Section 302 of the Standard Specifications.

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

See Standard Specifications and Traffic Control Plan.

**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. 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, Crash Cushions, and Terminal Sections to be replaced are listed by mileposts. Exact placement to be approved by the Engineer.

**GENERAL NOTES**  
**I-65 – BULLITT**  
**PAGE 4 OF 4**

- D. Any signs and any light poles that are damaged during construction are to be replaced at the Contractor's expense.
- E. Pavement rideability requirements in accordance with Section 410 Category A of the standard specifications shall apply on this project.
- F. Pavement rideability requirements shall be waived for the KY 61 interchange ramps.
- 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. Contrary to Standard Specifications Section 105.11 The Contractor shall be responsible for the repair of any potholes and pavement that becomes detrimental or hazardous to the traveling public during construction. Areas needing repair will be at the discretion of the Engineer. Repair or reconstruction of pavement due to maintenance of traffic will be paid for with the pavement construction bid items in the contract.
- I. No tree cutting is allowed nor should it be necessary.
- J. Depth of existing base material of existing pavement is not reflected on the cross sections.
- K. 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.
- L. Pavement production facilities cannot be located on the right of way.
- M. Southbound I-65 shall be chemically stabilized in areas where existing stabilization is not present, approximately MP 106.5 to MP 110.7. This location is approximate, actual limits shall be as directed by the Engineer. In areas being stabilized, approximately 1 inch of existing DGA shall be left in place. Mix of the existing shale and DGA with 4% lime, set for 24-48 hours and then mix with 6% cement. The lime and some of the DGA will raise the pH and allow the cement to cure properly.
- N. Locations for Ditching are shown on the plan sheets. These locations are approximate and shall be as directed by the Engineer.
- O. Emergency Blister Lane locations are shown on the plan sheets. These locations are approximate and shall be as directed by the Engineer.
- P. All pavement shall be placed by operating pavers in echelon. This included Asphalt Base and Surface courses on the shoulders and travel lanes.
- Q. Cleaning and resealing of longitudinal, transverse, and random cracking shall be incidental to bid item PCC Diamond Grinding.

**GENERAL SUMMARY**

**I-65 - BULLITT COUNTY - ITEM NO. 5-22066.00**

BID CODE	ITEM	UNIT	NOTES	QUANTITIES		
				I-65	KY 61	TOTALS
00003	CRUSHED STONE BASE	TON		229,842		229,842
00008	CEMENT STABILIZED ROADBED	SQYD		137,984		137,984
00013	LIME STABILIZED ROADBED	SQYD		137,984		137,984
00014	LIME	TON		1,788		1,788
00100	ASPHALT SEAL AGGREGATE	TON		841		841
00103	ASPHALT SEAL COAT	TON		101		101
00208	CL4 ASPH BASE 1.50D PG64-22	TON		65,033		65,033
00214	CL3 ASPH BASE 1.00D PG64-22	TON		5,512		5,512
00217	CL4 ASPH BASE 1.00D PG64-22	TON		75,790		75,790
00219	CL4 ASPH BASE 1.00D PG76-22	TON		75,790		75,790
00339	CL3 ASPH SURF 0.38D PG64-22	TON		1,041		1,041
00342	CL4 ASPH SURF 0.38A PG76-22	TON		32,337		32,337
00358	ASPHALT CURING SEAL	TON		276		276
01891	ISLAND HEADER CURB TYPE 2	LF		164		164
01982	DELINEATOR FOR GUARDRAIL M/W	EACH		75		75
01983	DELINEATOR FOR GUARDRAIL M/Y	EACH		17		17
01985	DELINEATOR FOR BARRIER - YELLOW	EACH		748		748
02003	RELOCATE TEMP CONC BARRIER	LF		31,680		31,680
02058	REMOVE PCC PAVEMENT	SQYD		400,333		400,333
02060	PCC PAVEMENT DIAMOND GRINDING	SQYD			11,299	11,299
02200	ROADWAY EXCAVATION	CUYD	9	41,816		41,816
02237	DITCHING	LF		8,235		8,235
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF		5,377		5,377
02352	GUARDRAIL-STEEL W BEAM-D FACE	LF		325		325
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH		3		3
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH		6		6
02365	CRASH CUSHION TYPE IX-A	EACH		3		3
02367	GUARDRAIL END TREATMENT TYPE 1	EACH		10		10
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH		11		11
02381	REMOVE GUARDRAIL	LF		6,377		6,377
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH		1		1
02542	CEMENT	TON		2,682		2,682
02562	TEMPORARY SIGNS	SQFT	3	2,242		2,242
02568	MOBILIZATION	LS		1		1
02569	DEMOBILIZATION	LS		1		1

**GENERAL SUMMARY**

**I-65 - BULLITT COUNTY - ITEM NO. 5-22066.00**

BID CODE	ITEM	UNIT	NOTES	QUANTITIES		
				I-65	KY 61	TOTALS
02650	MAINTAIN AND CONTROL TRAFFIC	LS		1		1
02655	CROSSOVER (CROSSOVER #1)	EACH		1		1
02655	CROSSOVER (CROSSOVER #2)	EACH		1		1
02655	CROSSOVER (CROSSOVER #3)	EACH		1		1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	3	2	1	3
02696	SHOULDER RUMBLE STRIPS	LF		113,541		113,541
02702	SAND FOR BLOTTER	TON		345		345
02726	STAKING	LS		1		1
02775	ARROW PANEL	EACH	3	2		2
03171	CONCRETE BARRIER WALL TYPE 9T	LF	3	33,889		33,889
04793	CONDUIT 1 1/4 INCH	LF	4	40		40
04795	CONDUIT 2 INCH	LF	4	75		75
04820	TRENCHING AND BACKFILLING	LF		115		115
04829	PIEZOELECTRIC SENSOR	EACH	4	12		12
04830	LOOP WIRE	LF		7,500		7,500
04895	LOOP SAW SLOT AND FILL	LF		675		675
06401	FLEXIBLE DELINEATOR POST-M/W	EACH		356		356
06511	PAVE STRIPING-TEMP PAINT-6 IN	LF	3	147,827		147,827
06542	PAVE STRIPING-THERMO-6 IN W	LF		91,901		91,901
06543	PAVE STRIPING-THERMO-6 IN Y	LF		63,286		63,286
06546	PAVE STRIPING-THERMO-12 IN W	LF		2,380		2,380
06549	PAVE STRIPING-TEMP REM TAPE-B	LF	2	2,500		2,500
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	2,8	79,654		79,654
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	2,8	63,663		63,663
06556	PAVE STRIPING-DUR TY 1-6 IN W	LF	5,6	447	7,618	8,065
06557	PAVE STRIPING-DUR TY 1-6 IN Y	LF	5,6	298	6,270	6,568
06613	INLAID PAVEMENT MARKER-B W/R	EACH		1,506	7	1,513
06614	INLAID PAVEMENT MARKER-B Y/R	EACH			79	79
08903	CRASH CUSHION TYPE VI, CLASS BT	EACH	3	4		4
10020NS	FUEL ADJUSTMENT	DOLL		505,256		505,256
10030NS	ASPHALT ADJUSTMENT	DOLL		994,250		994,250
20191ED	OBJECT MARKER TYPE 3	EACH		10		10
20391NS835	ELECTRICAL JUNCTION BOX TYPE A	EACH	4	5		5
20411ED	LAW ENFORCEMENT OFFICER	HOUR		300		300
20432ES112	REMOVE CRASH CUSHION	EACH		3		3

**GENERAL SUMMARY**

**I-65 - BULLITT COUNTY - ITEM NO. 5-22066.00**

BID CODE	ITEM	UNIT	NOTES	QUANTITIES		
				I-65	KY 61	TOTALS
23147EN	HIGH TENSION CABLE-ROPE BARRIER	LF	7	2,477		2,477
23148EN	END ANCHORS	EACH	7	4		4
23265ES717	PAVE MARK TY 1 TAPE STOP BAR-24 IN	LF	6		126	126
24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM	LF	7	2,477		2,477
24640ED	OBJECT MARKER TYPE 1	EACH		3		3
24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	SQFT		13,007,100		13,007,100
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	TON		369		369
25075EC	QUEUE PROTECTION VEHICLE	HOUR		720		720
25117EC	FURNISH QUEUE PROTECTION VEHICLE	MONT		18		18
26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM	MONT		18		18
26137EC	QUEUE WARNING PCMS	MONT		108		108
26138EC	QUEUE WARNING PORTABLE RADAR SENSORS	MONT		108		108

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 replacing traffic data acquisition stations.
5. For replacing striping on bridge over Pine Tavern Road.
6. For replacing striping on KY 61 Interchange Ramps
7. For removing and reinstalling Cable Barrier System at temporary crossovers.
8. For temporary striping during phase 2 construction.
9. For excavation required outside of existing pavement edges to install proposed CSB Wedge.



PAVING SUMMARY						
I-65 - BULLITT COUNTY - ITEM NO. 5-22066.00						
BID CODE	ITEM	NOTES	UNITS	I-65	US 61	TOTAL
00003	CRUSHED STONE BASE	3	TON	229,842		229,842
00008	CEMENT STABILIZED ROADWAY		SQYD	137,984		137,984
00013	LIME STABILIZED ROADBED		SQYD	137,984		137,984
00014	LIME	9	TON	1,788		1,788
00100	ASPHALT SEAL AGGREGATE	5	TON	841		841
00103	ASPHALT SEAL COAT	6	TON	101		101
00208	CL4 ASPH BASE 1.50D PG64-22	2	TON	65,033		65,033
00214	CL3 ASPH BASE 1.00D PG64-22	2	TON	5,512		5,512
00217	CL4 ASPH BASE 1.00D PG64-22	2,11	TON	75,790		75,790
00219	CL4 ASPH BASE 1.00D PG76-22	2	TON	75,790		75,790
00339	CL3 ASPH SURF 0.38D PG64-22	2	TON	1,041		1,041
00342	CL4 ASPH SURF 0.38A PG76-22	2	TON	32,337		32,337
00358	ASPHALT CURING SEAL	7	TON	276		276
02060	PCC PAVEMENT DIAMOND GRINDING		SQYD		11,299	11,299
02542	CEMENT	10	TON	2,682		2,682
02702	SAND FOR BLOTTER	8	TON	345		345
24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT		SQFT	13,007,100		13,007,100
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	4	TON	369		369

NOTES:

1. Quantities are carried over and included in General Summary.
2. Estimated at 110 lbs. per sq. yd. per inch of depth.
3. Estimated at 115 lbs. per sq. yd. per inch of depth.
4. Estimated at 0.70 lbs. per sq. yd.
5. Estimated at 20 lbs. per sq. yd. (two applications).
6. Estimated at 2.4 lbs. per sq. yd. (two applications).
7. Estimated at 2.0 lbs. per sq. yd.
8. Estimated at 5.0 lbs. per sq. yd.
9. Estimated at 4% by weight with a dry density of 108 lbs. per cubic foot.
10. Estimated at 6% by weight with a dry density of 108 lbs. per cubic foot.
11. Includes 1,000 tons for repair of pavement during MOT.

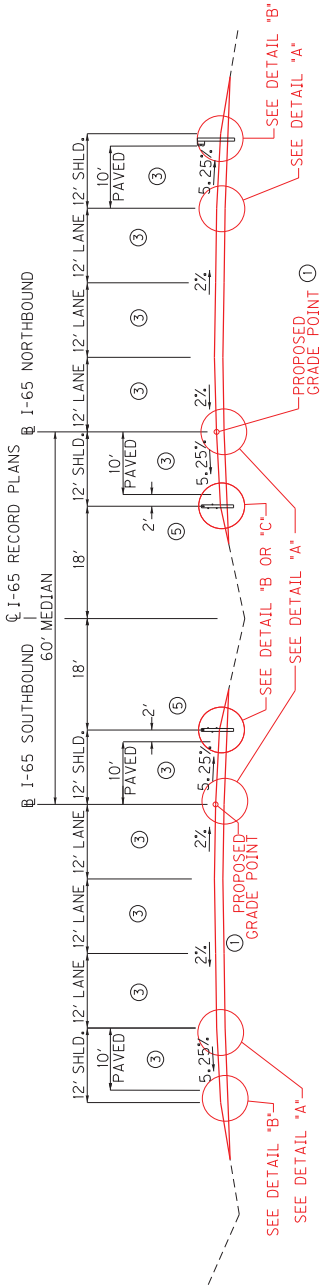
PAVING AREAS					
I-65 - BULLITT COUNTY - ITEM NO. 5-22066.00					
BID CODE	ITEM	NOTES	DEPTH (inches)	SQUARE YARDS	
				I-65	US 61
00003	CRUSHED STONE BASE		5.50	262,760	
00003	CRUSHED STONE BASE	3	8.00	12,621	
00003	CRUSHED STONE BASE		10.00	137,573	
00003	CRUSHED STONE BASE (I-65 Wedge)	1	11.27	95,419	
00008	CEMENT STABILIZED ROADBED	2	----	137,984	
00013	LIME STABILIZED ROADBED	2	----	137,984	
00014	LIME	2	----	137,984	
00100	ASPHALT SEAL AGGREGATE		----	42,042	
00103	ASPHALT SEAL COAT		----	42,042	
00208	CL4 ASPH BASE 1.50D PG64-22		4.50	262,760	
00214	CL3 ASPH BASE 1.00D PG64-22	3	3.25	25,242	
00217	CL4 ASPH BASE 1.00D PG64-22		3.50	396,802	
00219	CL4 ASPH BASE 1.00D PG76-22		3.50	393,712	
00339	CL3 ASPH SURF 0.38D PG64-22	3	1.50	12,621	
00342	CL4 ASPH SURF 0.38A PG76-22		1.50	391,960	
00358	ASPHALT CURING SEAL	2	----	137,984	
02060	PCC PAVEMENT DIAMOND GRINDING		----		11,299
02542	CEMENT	2	----	137,984	
02702	SAND FOR BLOTTER	2	----	137,984	
24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT		----	1,445,233	
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING		----	1,053,273	

NOTES:

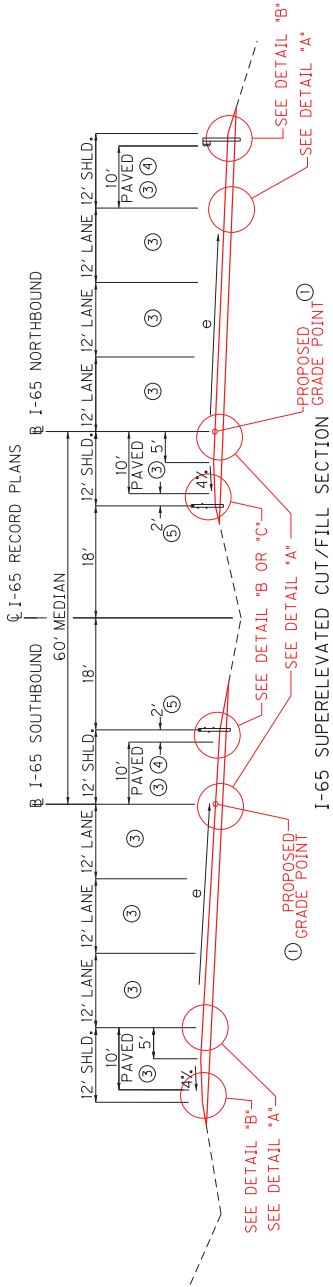
1. Depth shown is equivalent and is based on the depth that varies over the cross section of pavement material.
2. For stabilized roadbed.
3. For temporary crossovers.

# PROPOSED TYPICAL SECTIONS

MP 104.700 TO MP 106.500



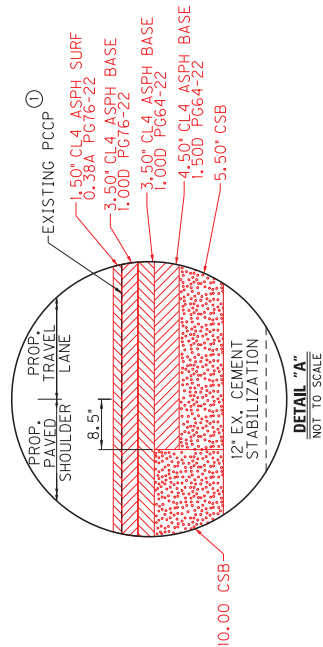
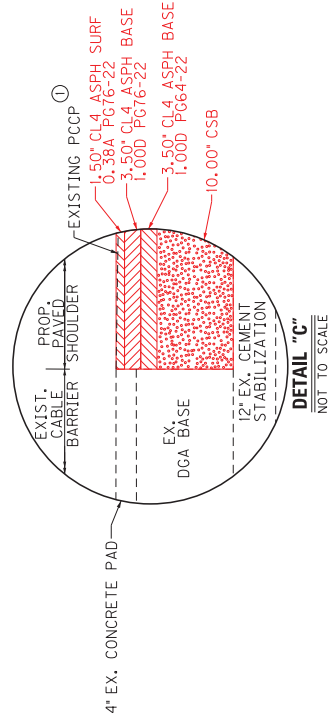
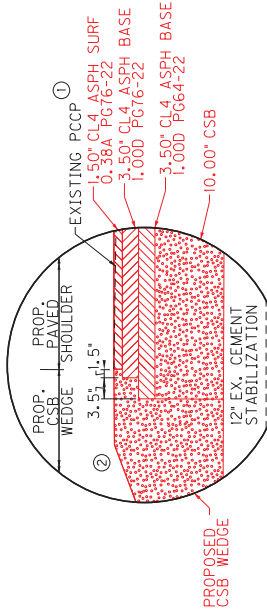
I-65 NORMAL CUT/FILL SECTION



I-65 SUPERELEVATED CUT/FILL SECTION

**NOTES:**

- ① PROPOSED GRADE POINTS TO BE RAISED APPROXIMATELY 1.5 INCHES ABOVE EXISTING GRADE POINTS.
- ② ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO GRADE POINT 2' DOWN THE DITCH LINE OR FILL SLOPE AND TO PROTECT THE SHOULDER FROM WEAR. ASPHALT SEAL COAT @ 2.40 LBS./50. YD. ASPHALT SEAL AGGREGATE @ 20 LBS./50. YD.
- ③ EXISTING CONCRETE PAVEMENT OF ALL TRAVEL LANE, SHOULDER AND C&G ARE TO BE REMOVED AND REPLACED WITH NEW ASPHALT PAVEMENT. INCLUDES THE REMOVAL OF ALL UNDERLYING BASE MATERIAL. REMOVAL OF UNDERLYING BASE MATERIAL SHALL BE INCIDENTAL TO THE REMOVAL OF THE CONCRETE.
- ④ SUPERELEVATED SHOULDERS: CONSTRUCT TO STANDARD SUPERELEVATION, EXCEPT NOT FLATTER THAN SLOPES INDICATED FOR NORMAL SLOPES.
- ⑤ LOCATION OF EXISTING CABLE BARRIER VARIES ON NORTHBOUND OR SOUTHBOUND SIDE OF THE MEDIAN. SEE PLAN SHEETS FOR LOCATIONS



DRAWING TITLE: I-65 BULLITT COUNTY PROPOSED TYPICAL SECTIONS  
HORIZONTAL SCALE: NTS

ITEM NO. 05-220R010  
SHEET NO. 1 OF 3  
COUNTY OF BULLITT

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

FILE NAME: C:\339002\15 SW PAVEMENT REHAB 2020\2022\H45 BULLITT COUNTY\ADD-H45-BULLITT TYPICALS.DGN

USER: USBF70413



# MATERIAL SUMMARY

**CONTRACT ID: 231319**

**121GR23D019-NHPP STPBRO**

**DE01500652319**

ELIZABETHTOWN-LOUISVILLE ROAD (I-65) BEGINNING AT MP 104.700 EXTENDING NORTH TO MP 110.700 ASPHALT PAVEMENT & ROADWAY REHAB, A DISTANCE OF 6 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00003	CRUSHED STONE BASE	229,842.00	TON
0010	00008	CEMENT STABILIZED ROADBED	137,984.00	SQYD
0015	00013	LIME STABILIZED ROADBED	137,984.00	SQYD
0020	00014	LIME	1,788.00	TON
0025	00100	ASPHALT SEAL AGGREGATE	841.00	TON
0030	00103	ASPHALT SEAL COAT	101.00	TON
0035	00208	CL4 ASPH BASE 1.50D PG64-22	65,033.00	TON
0040	00214	CL3 ASPH BASE 1.00D PG64-22 - (REVISED 4-20-23)	5,512.00	TON
0045	00217	CL4 ASPH BASE 1.00D PG64-22 - (REVISED 4-20-23)	75,790.00	TON
0050	00219	CL4 ASPH BASE 1.00D PG76-22 - (REVISED 4-20-23)	75,790.00	TON
0055	00339	CL3 ASPH SURF 0.38D PG64-22 - (REVISED 4-20-23)	1,041.00	TON
0060	00342	CL4 ASPH SURF 0.38A PG76-22 - (REVISED 4-20-23)	32,337.00	TON
0065	00358	ASPHALT CURING SEAL	276.00	TON
0070	02060	PCC PAVEMENT DIAMOND GRINDING	11,299.00	SQYD
0075	02542	CEMENT	2,682.00	TON
0080	02702	SAND FOR BLOTTER	345.00	TON
0090	24891EC	PAVE MOUNT INFRARED TEMP EQUIPMENT	9,243,884.00	SF
0095	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	369.00	TON
0105	01891	ISLAND HEADER CURB TYPE 2	164.00	LF
0110	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	75.00	EACH
0115	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	17.00	EACH
0120	01985	DELINEATOR FOR BARRIER - YELLOW	748.00	EACH
0125	02003	RELOCATE TEMP CONC BARRIER	31,680.00	LF
0130	02058	REMOVE PCC PAVEMENT	400,333.00	SQYD
0135	02237	DITCHING	8,235.00	LF
0140	02351	GUARDRAIL-STEEL W BEAM-S FACE	5,377.00	LF
0145	02352	GUARDRAIL-STEEL W BEAM-D FACE	325.00	LF
0150	02360	GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH
0155	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	6.00	EACH
0160	02365	CRASH CUSHION TYPE IX-A	3.00	EACH
0165	02367	GUARDRAIL END TREATMENT TYPE 1	10.00	EACH
0170	02369	GUARDRAIL END TREATMENT TYPE 2A	11.00	EACH
0175	02381	REMOVE GUARDRAIL	6,377.00	LF
0180	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	1.00	EACH
0185	02562	TEMPORARY SIGNS	2,242.00	SQFT
0190	02650	MAINTAIN & CONTROL TRAFFIC - (5-22066.00)	1.00	LS
0195	02655	CROSSOVER - (5-22066.00 1)	1.00	LS
0200	02655	CROSSOVER - (5-22066.00 2)	1.00	LS
0205	02655	CROSSOVER - (5-22066.00 3)	1.00	LS
0210	02671	PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH
0215	02696	SHOULDER RUMBLE STRIPS	113,541.00	LF
0220	02726	STAKING - (5-22066.00)	1.00	LS

## MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0225	02775	ARROW PANEL	2.00	EACH
0230	03171	CONCRETE BARRIER WALL TYPE 9T	33,889.00	LF
0235	06401	FLEXIBLE DELINEATOR POST-M/W	356.00	EACH
0240	06511	PAVE STRIPING-TEMP PAINT-6 IN - (REVISED 4-20-23)	147,827.00	LF
0245	06542	PAVE STRIPING-THERMO-6 IN W	91,901.00	LF
0250	06543	PAVE STRIPING-THERMO-6 IN Y	63,286.00	LF
0255	06546	PAVE STRIPING-THERMO-12 IN W	2,380.00	LF
0260	06549	PAVE STRIPING-TEMP REM TAPE-B	2,500.00	LF
0265	06550	PAVE STRIPING-TEMP REM TAPE-W - (REVISED 4-20-23)	79,654.00	LF
0270	06551	PAVE STRIPING-TEMP REM TAPE-Y - (REVISED 4-20-23)	63,663.00	LF
0275	06556	PAVE STRIPING-DUR TY 1-6 IN W	8,065.00	LF
0280	06557	PAVE STRIPING-DUR TY 1-6 IN Y	6,568.00	LF
0285	06613	INLAID PAVEMENT MARKER-B W/R	1,513.00	EACH
0290	06614	INLAID PAVEMENT MARKER-B Y/R	79.00	EACH
0295	08903	CRASH CUSHION TY VI CLASS BT TL3	4.00	EACH
0300	10020NS	FUEL ADJUSTMENT	505,256.00	DOLL
0305	10030NS	ASPHALT ADJUSTMENT	994,250.00	DOLL
0310	20191ED	OBJECT MARKER TY 3	10.00	EACH
0315	20411ED	LAW ENFORCEMENT OFFICER	300.00	HOURL
0320	20432ES112	REMOVE CRASH CUSHION	3.00	EACH
0325	23147EN	HIGH TENSION CABLE-ROPE BARRIER	2,477.00	LF
0330	23148EN	END ANCHORS	4.00	EACH
0335	23265ES717	PAVE MARK TY 1 TAPE STOP BAR-24 IN	126.00	LF
0340	24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM	2,477.00	LF
0345	24640ED	OBJECT MARKER TYPE 1	3.00	EACH
0350	25075EC	QUEUE PROTECTION VEHICLE	720.00	HOURL
0355	25117EC	FURNISH QUEUE PROTECTION VEHICLES	18.00	MONT
0360	26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM	18.00	MONT
0365	26137EC	QUEUE WARNING PCMS	108.00	MONT
0370	26138EC	QUEUE WARNING PORTABLE RADAR SENSORS	108.00	MONT
0375	04793	CONDUIT-1 1/4 IN	40.00	LF
0380	04795	CONDUIT-2 IN	75.00	LF
0385	04820	TRENCHING AND BACKFILLING	115.00	LF
0390	04829	PIEZOELECTRIC SENSOR	12.00	EACH
0395	04830	LOOP WIRE	7,500.00	LF
0400	04895	LOOP SAW SLOT AND FILL	675.00	LF
0405	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	5.00	EACH
0410	02568	MOBILIZATION	1.00	LS
0415	02569	DEMOBILIZATION	1.00	LS
0420	02742	TRAINEE PAYMENT REIMBURSEMENT - GROUP 2, 3, 4 OPERATOR	1,400.00	HOURL
0425	02200	ROADWAY EXCAVATION - (ADDED 4-20-23)	41,816.00	CUYD

# MATERIAL SUMMARY

**CONTRACT ID: 231319**

**121GR23D019-NHPP STPBRO**

**MB04700652301**

ELIZABETHTOWN-LOUISVILLE ROAD (I-65) BRIDGE (B00133L) OVER ROLLING FORK RIVER AT MP 103.28.  
BRIDGE REPAIRS.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0425	02403	REMOVE CONCRETE MASONRY	75.00	CUYD
0430	03295	EXPAN JOINT REPLACE 2 IN	56.00	LF
0435	03298	EXPAN JOINT REPLACE 4 IN	56.00	LF
0440	03299	ARMORED EDGE FOR CONCRETE	224.00	LF
0445	03305	RESET BEARING SHOE - - 047B00133L	5.00	EACH
0450	08104	CONCRETE-CLASS AA	75.00	CUYD
0455	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	76.00	EACH
0460	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	76.00	EACH
0465	08151	STEEL REINFORCEMENT-EPOXY COATED	23,646.00	LB
0470	08170	SHEAR CONNECTORS	1.00	LS
0475	08435	JACK & SUPPORT BRIDGE SPAN - - 047B00133L	1.00	LS
0480	20600NC	DECK DRAIN EXTENSION - - 047B00133L	11.00	EACH
0485	21650NN	BOLT/RIVET REPLACEMENT - - 047B00133L	8.00	EACH
0490	23218EC	FLOORBEAM REPAIR - - 047B00133L	5.00	EACH
0495	23813EC	DECK DRAIN	2.00	EACH
0500	24405EC	MECHANICAL REINF COUPLER-#8 EPOXY COATED	128.00	EACH
0505	24692EC	DECK DRAIN RETROFIT - - 047B00133L	1.00	EACH
0510	24879EC	STEEL REPAIR - - 047B00133L - WIND LOCK	4.00	EACH
0515	24981EC	BRIDGE CLEANING - B00133L	1.00	LS
0520	02569	DEMOBILIZATION	1.00	LS

# MATERIAL SUMMARY

**CONTRACT ID: 231319**

**121GR23D019-NHPP STPBRO**

**MB04700652302**

ELIZABETHTOWN-LOUISVILLE ROAD (I-65) BRIDGE (B00133R) OVER ROLLING FORK RIVER AT MP 103.28.  
 BRIDGE REPAIRS.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0525	02403	REMOVE CONCRETE MASONRY	75.00	CUYD
0530	03295	EXPAN JOINT REPLACE 2 IN	56.00	LF
0535	03298	EXPAN JOINT REPLACE 4 IN	56.00	LF
0540	03299	ARMORED EDGE FOR CONCRETE	224.00	LF
0545	03305	RESET BEARING SHOE - - 047B00133R	5.00	EACH
0550	08104	CONCRETE-CLASS AA	75.00	CUYD
0555	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	76.00	EACH
0560	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	76.00	EACH
0565	08151	STEEL REINFORCEMENT-EPOXY COATED	23,646.00	LB
0570	08170	SHEAR CONNECTORS	1.00	LS
0575	08435	JACK & SUPPORT BRIDGE SPAN - - 047B00133R	1.00	LS
0580	20600NC	DECK DRAIN EXTENSION - - 047B00133R	11.00	EACH
0585	21650NN	BOLT/RIVET REPLACEMENT - - 047B00133R	43.00	EACH
0590	23218EC	FLOORBEAM REPAIR - - 047B00133R	2.00	EACH
0595	23813EC	DECK DRAIN	2.00	EACH
0600	24405EC	MECHANICAL REINF COUPLER-#8 EPOXY COATED	128.00	EACH
0605	24879EC	STEEL REPAIR - - 047B00133R - BEARING STIFFENER	3.00	EACH
0610	24879EC	STEEL REPAIR - - 047B00133R - WIND LOCK	4.00	EACH
0615	24981EC	BRIDGE CLEANING - B00133R	1.00	LS
0620	02569	DEMOBILIZATION	1.00	LS



**PROPOSAL BID ITEMS**

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	229,842.00	TON		\$	
0020	00008		CEMENT STABILIZED ROADBED	137,984.00	SQYD		\$	
0030	00013		LIME STABILIZED ROADBED	137,984.00	SQYD		\$	
0040	00014		LIME	1,788.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	841.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	101.00	TON		\$	
0070	00208		CL4 ASPH BASE 1.50D PG64-22	65,033.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22 (REVISED 4-20-23)	5,512.00	TON		\$	
0090	00217		CL4 ASPH BASE 1.00D PG64-22 (REVISED 4-20-23)	75,790.00	TON		\$	
0100	00219		CL4 ASPH BASE 1.00D PG76-22 (REVISED 4-20-23)	75,790.00	TON		\$	
0110	00339		CL3 ASPH SURF 0.38D PG64-22 (REVISED 4-20-23)	1,041.00	TON		\$	
0120	00342		CL4 ASPH SURF 0.38A PG76-22 (REVISED 4-20-23)	32,337.00	TON		\$	
0130	00358		ASPHALT CURING SEAL	276.00	TON		\$	
0140	02060		PCC PAVEMENT DIAMOND GRINDING	11,299.00	SQYD		\$	
0150	02542		CEMENT	2,682.00	TON		\$	
0160	02702		SAND FOR BLOTTER	345.00	TON		\$	
0180	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	9,243,884.00	SF		\$	
0190	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	369.00	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0210	01891		ISLAND HEADER CURB TYPE 2	164.00	LF		\$	
0220	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	75.00	EACH		\$	
0230	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	17.00	EACH		\$	
0240	01985		DELINEATOR FOR BARRIER - YELLOW	748.00	EACH		\$	
0250	02003		RELOCATE TEMP CONC BARRIER	31,680.00	LF		\$	
0260	02058		REMOVE PCC PAVEMENT	400,333.00	SQYD		\$	
0265	02200		ROADWAY EXCAVATION (ADDED 4-20-23)	41,816.00	CUYD		\$	
0270	02237		DITCHING	8,235.00	LF		\$	
0280	02351		GUARDRAIL-STEEL W BEAM-S FACE	5,377.00	LF		\$	
0290	02352		GUARDRAIL-STEEL W BEAM-D FACE	325.00	LF		\$	
0300	02360		GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH		\$	
0310	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	6.00	EACH		\$	
0320	02365		CRASH CUSHION TYPE IX-A	3.00	EACH		\$	
0330	02367		GUARDRAIL END TREATMENT TYPE 1	10.00	EACH		\$	
0340	02369		GUARDRAIL END TREATMENT TYPE 2A	11.00	EACH		\$	
0350	02381		REMOVE GUARDRAIL	6,377.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0360	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	1.00	EACH		\$	
0370	02562		TEMPORARY SIGNS	2,242.00	SQFT		\$	
0380	02650		MAINTAIN & CONTROL TRAFFIC (5-22066.00)	1.00	LS		\$	
0390	02655		CROSSOVER (5-22066.00 1)	1.00	LS		\$	
0400	02655		CROSSOVER (5-22066.00 2)	1.00	LS		\$	
0410	02655		CROSSOVER (5-22066.00 3)	1.00	LS		\$	
0420	02671		PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH		\$	
0430	02696		SHOULDER RUMBLE STRIPS	113,541.00	LF		\$	
0440	02726		STAKING (5-22066.00)	1.00	LS		\$	
0450	02775		ARROW PANEL	2.00	EACH		\$	
0460	03171		CONCRETE BARRIER WALL TYPE 9T	33,889.00	LF		\$	
0470	06401		FLEXIBLE DELINEATOR POST-M/W	356.00	EACH		\$	
0480	06511		PAVE STRIPING-TEMP PAINT-6 IN (REVISED 4-20-23)	147,827.00	LF		\$	
0490	06542		PAVE STRIPING-THERMO-6 IN W	91,901.00	LF		\$	
0500	06543		PAVE STRIPING-THERMO-6 IN Y	63,286.00	LF		\$	
0510	06546		PAVE STRIPING-THERMO-12 IN W	2,380.00	LF		\$	
0520	06549		PAVE STRIPING-TEMP REM TAPE-B	2,500.00	LF		\$	
0530	06550		PAVE STRIPING-TEMP REM TAPE-W (REVISED 4-20-23)	79,654.00	LF		\$	
0540	06551		PAVE STRIPING-TEMP REM TAPE-Y (REVISED 4-20-23)	63,663.00	LF		\$	
0550	06556		PAVE STRIPING-DUR TY 1-6 IN W	8,065.00	LF		\$	
0560	06557		PAVE STRIPING-DUR TY 1-6 IN Y	6,568.00	LF		\$	
0570	06613		INLAID PAVEMENT MARKER-B W/R	1,513.00	EACH		\$	
0580	06614		INLAID PAVEMENT MARKER-B Y/R	79.00	EACH		\$	
0590	08903		CRASH CUSHION TY VI CLASS BT TL3	4.00	EACH		\$	
0600	10020NS		FUEL ADJUSTMENT	505,256.00	DOLL	\$1.00	\$	\$505,256.00
0610	10030NS		ASPHALT ADJUSTMENT	994,250.00	DOLL	\$1.00	\$	\$994,250.00
0620	20191ED		OBJECT MARKER TY 3	10.00	EACH		\$	
0630	20411ED		LAW ENFORCEMENT OFFICER	300.00	HOURL		\$	
0640	20432ES112		REMOVE CRASH CUSHION	3.00	EACH		\$	
0650	23147EN		HIGH TENSION CABLE-ROPE BARRIER	2,477.00	LF		\$	
0660	23148EN		END ANCHORS	4.00	EACH		\$	
0670	23265ES717		PAVE MARK TY 1 TAPE STOP BAR-24 IN REMOVE CABLE GUARDRAIL BARRIER SYSTEM	126.00	LF		\$	
0680	24255EC			2,477.00	LF		\$	
0690	24640ED		OBJECT MARKER TYPE 1	3.00	EACH		\$	
0700	25075EC		QUEUE PROTECTION VEHICLE	720.00	HOURL		\$	
0710	25117EC		FURNISH QUEUE PROTECTION VEHICLES	18.00	MOHT		\$	
0720	26136EC		PORTABLE QUEUE WARNING ALERT SYSTEM	18.00	MOHT		\$	
0730	26137EC		QUEUE WARNING PCMS	108.00	MOHT		\$	
0740	26138EC		QUEUE WARNING PORTABLE RADAR SENSORS	108.00	MOHT		\$	

**PROPOSAL BID ITEMS**

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**Section: 0003 - BRIDGE - B00133L**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0750	02403		REMOVE CONCRETE MASONRY	75.00	CUYD		\$	
0760	03295		EXPAN JOINT REPLACE 2 IN	56.00	LF		\$	
0770	03298		EXPAN JOINT REPLACE 4 IN	56.00	LF		\$	
0780	03299		ARMORED EDGE FOR CONCRETE	224.00	LF		\$	
0790	03305		RESET BEARING SHOE - 047B00133L	5.00	EACH		\$	
0800	08104		CONCRETE-CLASS AA	75.00	CUYD		\$	
0810	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	76.00	EACH		\$	
0820	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	76.00	EACH		\$	
0830	08151		STEEL REINFORCEMENT-EPOXY COATED	23,646.00	LB		\$	
0840	08170		SHEAR CONNECTORS	1.00	LS		\$	
0850	08435		JACK & SUPPORT BRIDGE SPAN - 047B00133L	1.00	LS		\$	
0860	20600NC		DECK DRAIN EXTENSION - 047B00133L	11.00	EACH		\$	
0870	21650NN		BOLT/RIVET REPLACEMENT - 047B00133L	8.00	EACH		\$	
0880	23218EC		FLOORBEAM REPAIR - 047B00133L	5.00	EACH		\$	
0890	23813EC		DECK DRAIN	2.00	EACH		\$	
0900	24405EC		MECHANICAL REINF COUPLER-#8 EPOXY COATED	128.00	EACH		\$	
0910	24692EC		DECK DRAIN RETROFIT - 047B00133L	1.00	EACH		\$	
0920	24879EC		STEEL REPAIR - 047B00133L - WIND LOCK	4.00	EACH		\$	
0930	24981EC		BRIDGE CLEANING B00133L	1.00	LS		\$	

**Section: 0004 - BRIDGE - B00133R**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0940	02403		REMOVE CONCRETE MASONRY	75.00	CUYD		\$	
0950	03295		EXPAN JOINT REPLACE 2 IN	56.00	LF		\$	
0960	03298		EXPAN JOINT REPLACE 4 IN	56.00	LF		\$	
0970	03299		ARMORED EDGE FOR CONCRETE	224.00	LF		\$	
0980	03305		RESET BEARING SHOE - 047B00133R	5.00	EACH		\$	
0990	08104		CONCRETE-CLASS AA	75.00	CUYD		\$	
1000	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	76.00	EACH		\$	
1010	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	76.00	EACH		\$	
1020	08151		STEEL REINFORCEMENT-EPOXY COATED	23,646.00	LB		\$	
1030	08170		SHEAR CONNECTORS	1.00	LS		\$	
1040	08435		JACK & SUPPORT BRIDGE SPAN - 047B00133R	1.00	LS		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1050	20600NC		DECK DRAIN EXTENSION - 047B00133R	11.00	EACH		\$	
1060	21650NN		BOLT/RIVET REPLACEMENT - 047B00133R	43.00	EACH		\$	
1070	23218EC		FLOORBEAM REPAIR - 047B00133R	2.00	EACH		\$	
1080	23813EC		DECK DRAIN	2.00	EACH		\$	
1090	24405EC		MECHANICAL REINF COUPLER-#8 EPOXY COATED	128.00	EACH		\$	
1100	24879EC		STEEL REPAIR - 047B00133R - BEARING STIFFENER	3.00	EACH		\$	
1110	24879EC		STEEL REPAIR - 047B00133R - WIND LOCK	4.00	EACH		\$	
1120	24981EC		BRIDGE CLEANING B00133R	1.00	LS		\$	

**Section: 0005 - TRAFFIC LOOP**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1130	04793		CONDUIT-1 1/4 IN	40.00	LF		\$	
1140	04795		CONDUIT-2 IN	75.00	LF		\$	
1150	04820		TRENCHING AND BACKFILLING	115.00	LF		\$	
1160	04829		PIEZOELECTRIC SENSOR	12.00	EACH		\$	
1170	04830		LOOP WIRE	7,500.00	LF		\$	
1180	04895		LOOP SAW SLOT AND FILL	675.00	LF		\$	
1190	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	5.00	EACH		\$	

**Section: 0006 - TRAINEES**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1200	02742		TRAINEE PAYMENT REIMBURSEMENT GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR		\$	

**Section: 0007 - DEMOBILIZATION &/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1210	02568		MOBILIZATION	1.00	LS		\$	
1220	02569		DEMOBILIZATION	1.00	LS		\$	