



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

July 20, 2021

CALL NO. 200
CONTRACT ID NO. 211325
ADDENDUM # 1

Subject: Metcalfe-Barren Counties, 121GR21D025-NHPP
Letting July 23, 2021

- (1) Revised - General Summary - Pages 26-29 of 174
- (2) Revised - Paving Areas - Page 30 of 174
- (3) Revised - Paving Summary - Page 31 of 174
- (4) Revised - Typical Sections - Page 52 of 174
- (5) Revised - Traffic Control Plan - Pages 107-112 of 174
- (6) Revised - Material Summary - Pages 131-133 of 174
- (7) Revised - Proposal Bid Items - Pages 172-174 of 174

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 cursive script that reads "Rachel Mills".

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

RM:mr
Enclosures

GENERAL SUMMARY							
CUMBERLAND PARKWAY - BARREN & METCALFE CO. - ITEM NOS. 03-20004.00 & 03-20013.00							
BID CODE	ITEM	UNIT	NOTES	QUANTITIES			
				BARREN	METCALFE	US 68/ KY 80 RAMP (EXIT 27)	TOTALS
00001	DGA BASE	TON	4	2,612	13,750	458	16,820
00078	CRUSHED AGGREGATE SIZE NO 2	TON	5	277	571		848
00080	CRUSHED AGGREGATE SIZE NO 23	TON		5	25		30
00100	ASPHALT SEAL AGGREGATE	TON		423	2,393	86	2,902
00103	ASPHALT SEAL COAT	TON		51	287	10	348
00190	LEVELING & WEDGING PG64-22	TON		305	1,728	34	2,067
00193	ASPHALT SCRATCH COURSE PG76-22	TON		1,918	10,916	295	13,129
00216	CL3 ASPH BASE 1.00D PG76-22	TON	6	60	14		74
00301	CL2 ASPH SURF 0.38D PG64-22	TON		2,179	12,340	0	14,519
00336	CL3 ASPH SURF 0.38A PG76-22	TON		6,101	34,707	1,209	42,017
00461	CULVERT PIPE-15 IN	LF			12		12
00462	CULVERT PIPE-18 IN	LF			8		8
00464	CULVERT PIPE-24 IN	LF			24		24
00468	CULVERT PIPE-36 IN	LF			12		12
01202	PIPE CULVERT HDWL. - 15 IN.	EACH			1		1
01208	PIPE CULVERT HDWL. - 24 IN.	EACH			1		1
01212	PIPE CULVERT HDWL. - 36 IN.	EACH			1		1
01310	REMOVE PIPE	LF	14		45		45
01450	S & F BOX INLET-OUTLET-18 IN	EACH			1		1
01690	FLUME INLET TYPE 1	EACH			6		6
01691	FLUME INLET TYPE 2	EACH			4		4
01720	RECONSTRUCT INLET	EACH				1	1
01982	DELINEATOR FOR GUARDRAIL M/W	EACH		171	778	30	979
02165	REMOVE PAVED DITCH	SQYD	12	1,489	4,901		6,390
02200	ROADWAY EXCAVATION	CUYD	7	340			340
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF		13,317	57,609	1,461	72,387
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH			6		6
02367	GUARDRAIL END TREATMENT TYPE 1	EACH		5	49		54
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH		9	59	2	70
02373	GUARDRAIL END TREATMENT TYPE 3	EACH		4	9		13

GENERAL SUMMARY							
CUMBERLAND PARKWAY - BARREN & METCALFE CO. - ITEM NOS. 03-20004.00 & 03-20013.00							
BID CODE	ITEM	UNIT	NOTES	QUANTITIES			
				BARREN	METCALFE	US 68/ KY 80 RAMP (EXIT 27)	TOTALS
02381	REMOVE GUARDRAIL	LF		13,567	59,346	1,461	74,374
02387	GUARDRAIL CONN. TO BRIDGE END TY A-1	EACH			6		6
02483	CHANNEL LINING CLASS II	TON	13	555	1,107		1,662
02484	CHANNEL LINING CLASS III	TON			35		35
02562	TEMPORARY SIGNS	SQFT		1,000	3,000	1,000	5,000
02568	MOBILIZATION	LS					1
02569	DEMOBILIZATION	LS					1
02575	DITCHING AND SHOULDERING	LF		11,886	67,931		79,817
02575	DITCHING AND SHOULDERING (SPECIAL)	LF	9	163	1,029	40	1,232
02602	FABRIC-GEOTEXTILE CLASS 1	SQYD		10	80		90
02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SQYD	16		77		77
02625	REMOVE HEADWALL	EACH	15		4		4
02650	MAINTAIN AND CONTROL TRAFFIC	LS		1	1		2
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	3	1	1	2	4
02676	MOBILIZATION FOR MILL & TEXT	LS		1	1		2
02677	ASPHALT PAVE MILLING AND TEXTURING	TON	8	1,790	9,938	268	11,996
02696	SHOULDER RUMBLE STRIPS	LF		47,544	268,855	9,824	326,223
02726	STAKING	LS		1	1		2
02775	ARROW PANEL	EACH	3	1	1	2	4
03240	BASE FAILURE REPAIR	SQYD			21		21
05950	EROSION CONTROL BLANKET	SQYD	11	15,150	30,055	3,000	48,205
06511	PAVE STRIPING-TEMP PAINT-6 IN	LF		47,544	289,216		336,760
06542	PAVE STRIPING-THERMO-6 IN W	LF		29,715	182,626	4,999	217,340
06543	PAVE STRIPING-THERMO-6 IN Y	LF		23,772	145,833	4,825	174,430
06546	PAVE STRIPING-THERMO-12 IN W	LF			3,668		3,668
06549	PAVE STRIPING-TEMP REM TAPE-B	LF	2,3	1,700	1,700		3,400
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	2,3	1,700	1,700		3,400
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	2,3	1,700	1,700		3,400
06556	PAVE STRIPING-DUR TY 1-6 IN W	LF	17		1,571		1,571
06557	PAVE STRIPING-DUR TY 1-6 IN Y	LF	17		1,256		1,256

GENERAL SUMMARY							
CUMBERLAND PARKWAY - BARREN & METCALFE CO. - ITEM NOS. 03-20004.00 & 03-20013.00							
BID CODE	ITEM	UNIT	NOTES	QUANTITIES			
				BARREN	METCALFE	US 68/ KY 80 RAMP (EXIT 27)	TOTALS

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. Includes 12,514 tons from pavement summary, 382 tons from erosion summary, 3,802 tons from guardrail summary, 45 tons for slide repair, and 77 tons for drainage failure no.7.
5. Includes 559 tons from erosion summary, 249 tons from slide repair, and 40 tons from drainage failure repairs.
6. Includes 61 tons from pavement repair summary and 13 tons for slide area repair.
7. Used for slide area repair.
8. Includes 61 tons from pavement repair summary and 11,935 tons from paving summary.
9. Ditching and Shouldering (Special) includes all excavation and backfill necessary for fill slope erosion.
10. For removing striping between MP 29.285 to MP 30.232.
11. Includes 205 sqyd for drainage failure repairs and 48,000 sqyd for use during Ditching and Shouldering, as directed by the Engineer.
12. Includes 85 sqyd from drainage failure repairs, and 6,305 sqyd from drainage repair summary.
13. Includes 340 tons from drainage failure repairs, 1,152 ton from drainage repair summary, and 170 from erosion summary.
14. Includes 4 feet from drainage repair summary, and 41 feet from drainage failure repair.
15. Includes 1 from drainage repair summary, and 3 from drainage failure repairs.
16. For wrapping pipe trench backfill.
17. For striping bridges.

PAVING AREAS						
CUMBERLAND PARKWAY - BARREN & METCALFE CO. - ITEM NOS. 03-20004.00 & 03-20013.00						
BID CODE	ITEM	NOTES	DEPTH (inches)	SQUARE YARDS		
				BARREN COUNTY	METCALFE COUNTY	US 68/ KY 80 RAMP (EXIT 27)
00001	DGA BASE		1.50	21,131	119,652	4,301
00100	ASPHALT SEAL AGGREGATE		---	21,131	119,652	4,301
00103	ASPHALT SEAL COAT		---	21,131	119,652	4,301
00190	LEVELING & WEDGING PG64-22	2	0.50	11,094	62,821	1,235
00193	ASPHALT SCRATCH COURSE PG76-22	1	0.50	69,731	396,949	10,714
00301	CL2 ASPH SURF 0.38D PG64-22		1.50	26,413	149,577	
00336	CL3 ASPH SURF 0.38A PG76-22		1.50	73,957	420,688	14,653
02677	ASPHALT MILLING AND TEXTURING		0.50	63,392	360,863	9,740
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING			170,102	967,215	25,367

NOTES:

1. A quantity of 10% of the area being milled has been added for areas in the travel lanes that experience scabbing after pavement is milled, and for any settlement of pavement and base failure repairs.
2. For filling in shoulder rumble strips and leveling the existing shoulder pavement for overlay.

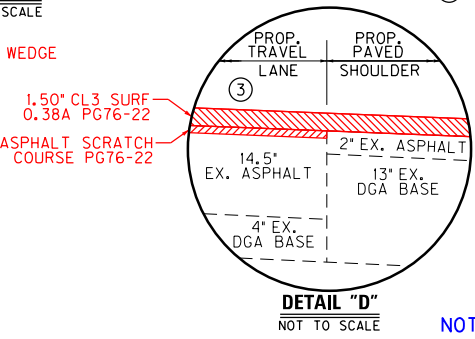
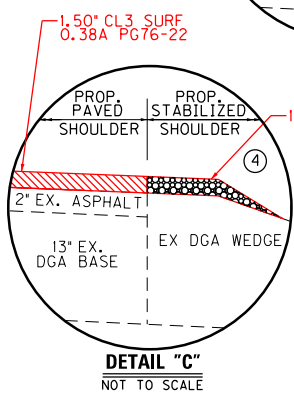
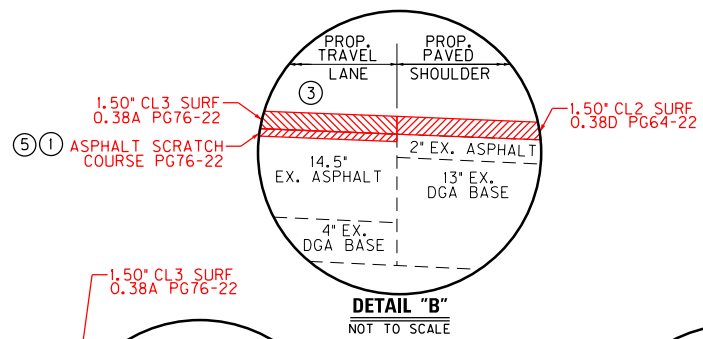
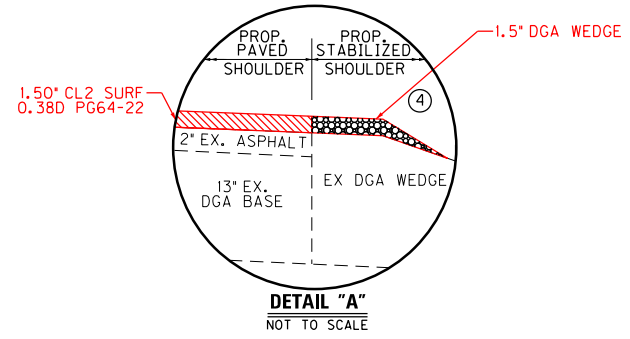
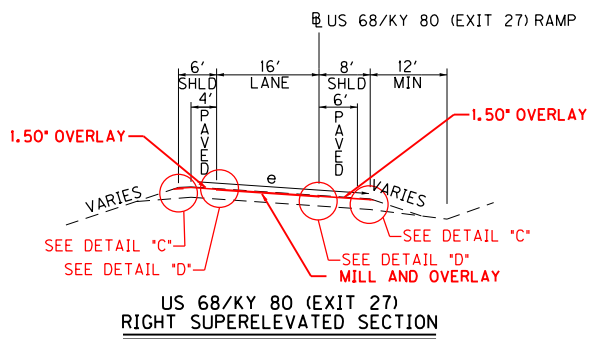
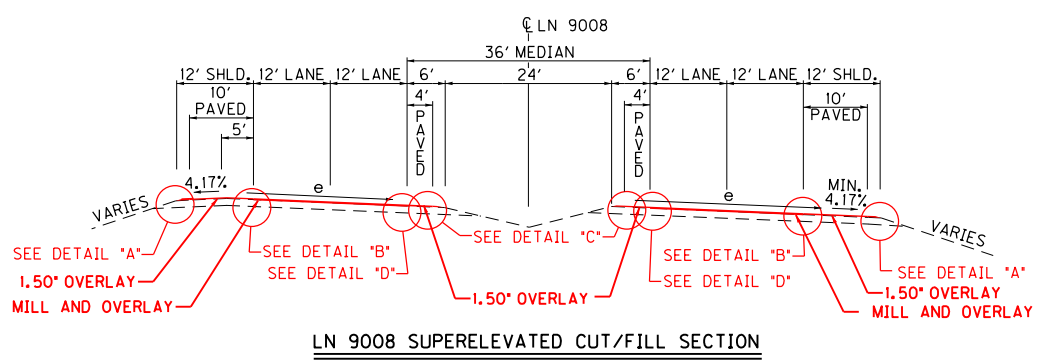
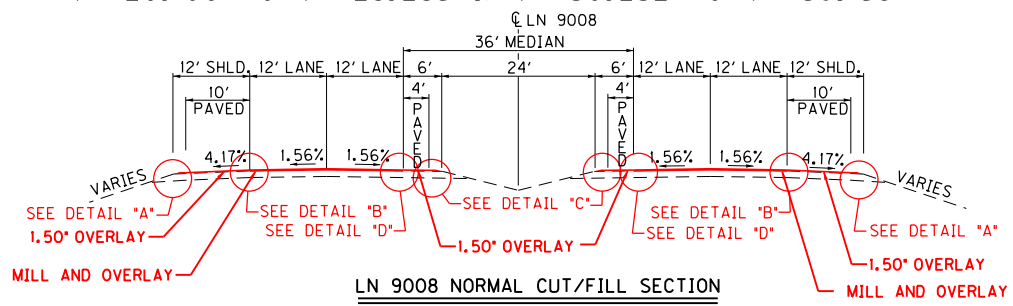
PAVING SUMMARY							
CUMBERLAND PARKWAY - BARREN & METCALFE CO. - ITEM NOS. 03-20004.00 & 03-20013.00							
BID CODE	ITEM	NOTES	UNIT	BARREN COUNTY	METCALFE COUNTY	US 68/ KY 80 RAMPS (EXIT 27)	TOTALS
00001	DGA BASE	6	TON	1,823	10,320	371	12,514
00100	ASPHALT SEAL AGGREGATE	3	TON	423	2,393	86	2,902
00103	ASPHALT SEAL COAT	4	TON	51	287	10	348
00190	LEVELING & WEDGING PG64-22	2	TON	305	1,728	34	2,067
00193	ASPHALT SCRATCH COURSE PG76-22	2	TON	1,918	10,916	295	13,129
00301	CL2 ASPH SURF 0.38D PG64-22	2	TON	2,179	12,340	0	14,519
00336	CL3 ASPH SURF 0.38A PG76-22	2	TON	6,101	34,707	1,209	42,017
02677	ASPHALT MILLING AND TEXTURING	2	TON	1,743	9,924	268	11,935
20071EC	JOINT ADHESIVE		LF	47,544	273,921	5,004	326,469
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	5	TON	60	339	9	408

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 20 lbs. per sq. yd. (two applications).
4. Estimated at 2.4 lbs. per sq. yd. (two applications).
5. Estimated at 0.70 lbs. per sq. yd.
6. Estimated at 115 lbs. per sq. yd. per inch of depth.

PROPOSED TYPICAL SECTIONS

MP 20.100 TO MP 29.285 & MP 30.232 TO MP 36.159



- NOTES:**
- ① ASPHALT SCRATCH COURSE PG76-22 TO BE USED.
 - ② JOINT ADHESIVE SHALL BE APPLIED BETWEEN LONGITUDINAL PAVEMENT JOINTS.
 - ③ THE TRAVEL LANES SHALL BE MILLED 0.50 INCHES BEFORE PLACING ASPHALT SURFACE COURSES.
 - ④ 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.
 - ⑤ BEFORE PLACING PROPOSED ASPHALT THE TRAVEL LANES SHALL BE MILLED 0.50 INCHES.

NOT TO SCALE

**TRAFFIC CONTROL PLAN
CUMBERLAND PARKWAY – BARREN AND METCALFE COUNTIES
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TRAFFIC CONTROL GENERAL

Except as provided herein, maintain and control traffic in accordance with the current editions of the Standard Specifications and Standard Drawings. 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. Do NOT use cones for lane closures or shoulder closures.

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.

Reduce the speed limit in work areas of the Parkway to 55 miles per hour and establish double fines for work zone speeding violations. The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Notify the Engineer a minimum of 12 hours prior to using the double fine signs. At the beginning of the work zone, the "WARNING FINE DOUBLED IN WORK ZONE" signs will be dual mounted. At the end of the work zone, the "END DOUBLE FINE" signs will be dual mounted as well. Remove or cover the signs when the highway work zone does not have workers present for more than a two-hour period of time. Payment for the signs will be at the unit bid price for signs erected. Any relocation or covering of signs will be incidental to "Maintain and Control Traffic."

Night work will be allowed on this project. Obtain approval from the Engineer for the method of lighting prior to its use.

PROJECT PHASING AND CONSTRUCTION PROCEDURES

The Contractor shall maintain a minimum of one 11-foot lane in each direction.

Use a lane closure at all times when work is performed in the adjacent lane or adjacent shoulder. Traffic shall not be allowed to travel on milled surface. Shoulders are NOT to be used as temporary travel lanes unless otherwise directed or approved by the Engineer. If shoulders are utilized, perform any maintenance of the shoulder as deemed necessary by the Engineer to maintain traffic, and this work shall be considered incidental to "Maintain and Control Traffic.". 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", except for areas from MP 29.285 to MP 30.232. Remove edge lines as necessary and approved by the Engineer throughout the project. Paint temporary edge lines through the lane closure.

Access to ramps at the US 68 interchange shall be maintained.

The US 68 / KY 80 Ramps may be closed, one at time. Closure can occur from 6:00 PM to 6:00 AM Monday through Thursday and on no holidays. The closure shall be for a maximum of 2 nights.

Access to Drainage Failure No. 1 may need to be from Beaver Creek Road. Contractor is responsible for any coordination with Metcalf County for any traffic control on this road. To gain access and unloading of equipment the Contractor shall maintain one lane of traffic with signing and flagmen – as approved by the Engineer. Contractor is responsible for any damage to Beaver Creek Road.

The Engineer will determine exact locations of pavement repairs, if any, at the time of construction. Once removal of pavement at a repair location has begun, work continuously

**TRAFFIC CONTROL PLAN
CUMBERLAND PARKWAY – BARREN AND METCALFE COUNTIES
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within the parameters outlined above to complete the work and eliminate the “hole”. Place Type III Barricades immediately in front of pavement repair areas. Type III Barricades shall be considered incidental to “Maintain and Control Traffic.” Once pavement removal at a site has begun, full depth replacement must be completed within the time a lane closure is allowed.

Note that lane shifts are required throughout the project. Stripe according to the Standard Drawings and MUTCD.

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

PHASE 1

Maintain one lane of traffic in each direction. Short lane closures, as approved by the Engineer, shall be used for pavement repairs. Shoulder closures will be allowed as approved by the Engineer.

Phase 2 and Phase 3 shall be done in segments a maximum of 8 miles in length per direction. Once Phase 2 is complete in a segment, the Contractor shall complete Phase 3 before moving to a different segment.

PHASE 2

Shift traffic to the outside lane. Close the inside lane and shoulder to traffic. Mill existing inside lanes. Complete pavement and base failure repairs of inside lanes and shoulders. Pave the inside lanes and shoulders. Once the pavement has been removed, the Contractor must work continuously until the pavement has been replaced back to existing grade.

PHASE 3

Shift traffic to the inside lane Mill existing outside lane. Complete pavement and base failure repairs of outside lanes and shoulders. Pave outside lanes and shoulders. Once the pavement has been removed, the Contractor must work continuously until the pavement has been replaced back to existing grade.

PHASE 4

Complete rehab operations, construct concrete wedge curb, guardrail, and guardrail end treatments. Place permanent striping and markers using temporary lane closures as directed by the Engineer. Phase 4 may be performed during closures for milling and paving, as directed by the Engineer.

RAMPS

The US 68 / KY 80 ramps may be closed, one at time. Mill existing lane. Pave lane and shoulders. Once the pavement has been removed, the Contractor must work continuously until the pavement has been replaced back to existing grade. This construction can be done concurrent with Phase 2 and Phase 3.

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 and a maximum of 8 miles in each directions at one time, or as directed by the Engineer. Limit lane closures to allow a minimum of one lane open per direction at any given time

Other than the holidays listed in the current standard specifications, the Engineer may specify additional days and hours when lane closures are not allowed. Do not leave lane closures in place during prohibited periods.

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CUMBERLAND PARKWAY – BARREN AND METCALFE COUNTIES
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All lanes and shoulders shall be open during winter shutdown.

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. Additional signs needed for lane closures may include, but are not limited to, dual mounted LEFT/RIGHT LANE CLOSED 1 MILE, LEFT/RIGHT LANE CLOSED 2 MILES, LEFT/RIGHT LANE CLOSED 3 MILES, SLOWED/STOPPED TRAFFIC AHEAD. 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 lane shifts, “Roadwork Ahead” signs on entrance ramps, and extra Double Fine signs and Speed Limit signs between interchanges to be paid for only once no matter how many times they are moved or relocated.

Traffic control signs in addition to normal lane closure signing detailed in the Standard Drawings may be required by the Engineer.

FLASHING ARROWS

Flashing arrows will be paid for once, no matter how many times they are moved or relocated. The Department WILL NOT take possession of the flashing arrows upon completion of the work.

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.

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CUMBERLAND PARKWAY – BARREN AND METCALFE COUNTIES
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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

If lane closures are in place during nighttime hours, remove or cover the lenses of raised pavement markers that do not conform to the traffic control scheme in use, or as directed by the Engineer. Replace or uncover lenses before a closed lane is reopened to traffic. No direct payment will be made for removing and replacing or covering and uncovering the lenses but will be incidental to "Maintain and Control Traffic".

Place temporary and permanent striping in accordance with Section 112 and Section 714, except that:

1. Temporary and permanent striping will be 6" in width;
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. Edge lines will be required for temporary striping;
4. Existing, temporary, or permanent striping will be in place before a lane is opened to traffic; and
5. Permanent striping will be Extruded Thermoplastic Marking.

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

BARRICADES

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

**TRAFFIC CONTROL PLAN
CUMBERLAND PARKWAY – BARREN AND METCALFE COUNTIES
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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.

This project is designated as a Significant Project in accordance with Section 112.03.03 of the Kentucky Standard Specifications.

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 use or allow employees to use median crossovers at any time except when inside lanes are closed for construction. In all other phases of construction, change vehicular direction of travel only at interchanges.

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
- Relocations of Flashing Arrows
- Relocation or Covering of Signs
- Replacement of Damage Signs
- Maintenance of Shoulders to Maintain Traffic
- Truck Mounted Attenuators

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- Removing and Replacing or Covering and Uncovering of Pavement Marker Lenses
- Removal and reset of signs needed to complete shoulder and erosion repairs.

MATERIAL SUMMARY

CONTRACT ID: 211325

121GR21D025-NHPP

DE00590082125

LOUIE B. NUNN CUMBERLAND PARKWAY (PK 9008) BEGINNING AT MP 20.1 EXTENDING EAST TO THE BARREN-METCALFE COUNTY LINE MP 22.357 ASPHALT PAVEMENT & ROADWAY REHAB, A DISTANCE OF 2.26 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	2,611.00	TON
0010	00100	ASPHALT SEAL AGGREGATE	423.00	TON
0015	00103	ASPHALT SEAL COAT	51.00	TON
0020	00190	LEVELING & WEDGING PG64-22	305.00	TON
0025	00193	ASPHALT SCRATCH COURSE PG76-22	1,918.00	TON
0030	00216	CL3 ASPH BASE 1.00D PG76-22	60.00	TON
0035	00301	CL2 ASPH SURF 0.38D PG64-22 - (REVISED: 7/20/2021)	2,179.00	TON
0040	00336	CL3 ASPH SURF 0.38A PG76-22 - (REVISED: 7/20/2021)	6,101.00	TON
0045	02677	ASPHALT PAVE MILLING & TEXTURING	1,790.00	TON
0050	20071EC	JOINT ADHESIVE	47,544.00	LF
0055	23593EC	SHOULDER FAILURE REPAIR	51.00	SQYD
0060	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	60.00	TON
0065	00078	CRUSHED AGGREGATE SIZE NO 2	277.00	TON
0070	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	171.00	EACH
0075	02200	ROADWAY EXCAVATION	340.00	CUYD
0080	02351	GUARDRAIL-STEEL W BEAM-S FACE	13,317.00	LF
0085	02367	GUARDRAIL END TREATMENT TYPE 1	5.00	EACH
0090	02369	GUARDRAIL END TREATMENT TYPE 2A	9.00	EACH
0095	02373	GUARDRAIL END TREATMENT TYPE 3	4.00	EACH
0100	02381	REMOVE GUARDRAIL	13,567.00	LF
0105	02562	TEMPORARY SIGNS	1,000.00	SQFT
0110	02575	DITCHING AND SHOULDERING	11,886.00	LF
0115	02575	DITCHING AND SHOULDERING - SPECIAL	163.00	LF
0120	02650	MAINTAIN & CONTROL TRAFFIC - (BARREN COUNTY)	1.00	LS
0125	02671	PORTABLE CHANGEABLE MESSAGE SIGN	1.00	EACH
0130	02676	MOBILIZATION FOR MILL & TEXT - (BARREN COUNTY)	1.00	LS
0135	02696	SHOULDER RUMBLE STRIPS	47,544.00	LF
0140	02726	STAKING - (BARREN COUNTY)	1.00	LS
0145	02775	ARROW PANEL	1.00	EACH
0150	05950	EROSION CONTROL BLANKET	15,150.00	SQYD
0155	06511	PAVE STRIPING-TEMP PAINT-6 IN	47,544.00	LF
0160	06542	PAVE STRIPING-THERMO-6 IN W	29,715.00	LF
0165	06543	PAVE STRIPING-THERMO-6 IN Y	23,772.00	LF
0170	06549	PAVE STRIPING-TEMP REM TAPE-B	1,700.00	LF
0175	06550	PAVE STRIPING-TEMP REM TAPE-W	1,700.00	LF
0180	06551	PAVE STRIPING-TEMP REM TAPE-Y	1,700.00	LF
0185	10020NS	FUEL ADJUSTMENT	17,384.00	DOLL
0190	10030NS	ASPHALT ADJUSTMENT	41,341.00	DOLL
0195	20191ED	OBJECT MARKER TY 3	5.00	EACH
0200	20550ND	SAWCUT PAVEMENT	178.00	LF
0205	22883EN	CONCRETE WEDGE CURB	8,603.00	LF
0210	23954EC	REMOVE EXISTING WEDGE CURB	8,603.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0215	24489EC	INLAID PAVEMENT MARKER	297.00	EACH
0220	00080	CRUSHED AGGREGATE SIZE NO 23	5.00	TON
0225	02165	REMOVE PAVED DITCH	1,489.00	SQYD
0230	02483	CHANNEL LINING CLASS II	555.00	TON
0235	02602	FABRIC-GEOTEXTILE CLASS 1	10.00	SQYD
0240	24522EC	REPAIR - (DRAINAGE FAILURE NO. 1)	1.00	LS
0245	02568	MOBILIZATION	1.00	LS
0250	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 211325

121GR21D025-NHPP

DE08590082125

LOUIE B. NUNN CUMBERLAND PARKWAY (PW 9008) BEGINNING AT THE BARREN-METCALFE COUNTY LINE MP 22.357 EXTENDING EAST TO MP 36.159 ASPHALT PAVEMENT & ROADWAY REHAB, A DISTANCE OF 13.8 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0255	00001	DGA BASE	14,209.00	TON
0260	00100	ASPHALT SEAL AGGREGATE	2,479.00	TON
0265	00103	ASPHALT SEAL COAT	297.00	TON
0270	00190	LEVELING & WEDGING PG64-22	1,762.00	TON
0275	00193	ASPHALT SCRATCH COURSE PG76-22	11,211.00	TON
0280	00216	CL3 ASPH BASE 1.00D PG76-22	14.00	TON
0285	00301	CL2 ASPH SURF 0.38D PG64-22 - (REVISED: 7/20/2021)	12,340.00	TON
0290	00336	CL3 ASPH SURF 0.38A PG76-22 - (REVISED: 7/20/2021)	35,916.00	TON
0295	02677	ASPHALT PAVE MILLING & TEXTURING	10,206.00	TON
0300	03240	BASE FAILURE REPAIR	21.00	SQYD
0305	20071EC	JOINT ADHESIVE	278,925.00	LF
0310	20757ED	PAVEMENT REPAIR	126.00	SQYD
0315	23593EC	SHOULDER FAILURE REPAIR	913.00	SQYD
0320	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	348.00	TON
0325	00078	CRUSHED AGGREGATE SIZE NO 2	571.00	TON
0330	01690	FLUME INLET TYPE 1	6.00	EACH
0335	01691	FLUME INLET TYPE 2	4.00	EACH
0340	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	808.00	EACH
0345	02351	GUARDRAIL-STEEL W BEAM-S FACE	59,070.00	LF
0350	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	6.00	EACH
0355	02367	GUARDRAIL END TREATMENT TYPE 1	49.00	EACH
0360	02369	GUARDRAIL END TREATMENT TYPE 2A	61.00	EACH
0365	02373	GUARDRAIL END TREATMENT TYPE 3	9.00	EACH
0370	02381	REMOVE GUARDRAIL	60,807.00	LF
0375	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	6.00	EACH
0380	02562	TEMPORARY SIGNS	4,000.00	SQFT
0385	02575	DITCHING AND SHOULDERING	67,931.00	LF
0390	02575	DITCHING AND SHOULDERING - SPECIAL	1,069.00	LF
0395	02650	MAINTAIN & CONTROL TRAFFIC - (METCALFE COUNTY)	1.00	LS
0400	02671	PORTABLE CHANGEABLE MESSAGE SIGN	3.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0405	02676	MOBILIZATION FOR MILL & TEXT - (METCALFE COUNTY)	1.00	LS
0410	02696	SHOULDER RUMBLE STRIPS	278,679.00	LF
0415	02726	STAKING - (METCALFE COUNTY)	1.00	LS
0420	02775	ARROW PANEL	3.00	EACH
0425	05950	EROSION CONTROL BLANKET	33,055.00	SQYD
0430	06511	PAVE STRIPING-TEMP PAINT-6 IN	289,216.00	LF
0435	06542	PAVE STRIPING-THERMO-6 IN W	187,625.00	LF
0440	06543	PAVE STRIPING-THERMO-6 IN Y	150,658.00	LF
0445	06546	PAVE STRIPING-THERMO-12 IN W	3,668.00	LF
0450	06549	PAVE STRIPING-TEMP REM TAPE-B	1,700.00	LF
0455	06550	PAVE STRIPING-TEMP REM TAPE-W	1,700.00	LF
0460	06551	PAVE STRIPING-TEMP REM TAPE-Y	1,700.00	LF
0465	06556	PAVE STRIPING-DUR TY 1-6 IN W	1,571.00	LF
0470	06557	PAVE STRIPING-DUR TY 1-6 IN Y	1,256.00	LF
0475	06568	PAVE MARKING-THERMO STOP BAR-24IN	82.00	LF
0480	10020NS	FUEL ADJUSTMENT	100,437.00	DOLL
0485	10030NS	ASPHALT ADJUSTMENT	239,432.00	DOLL
0490	20191ED	OBJECT MARKER TY 3	48.00	EACH
0495	22664EN	WATER BLASTING EXISTING STRIPE	22,310.00	LF
0500	22883EN	CONCRETE WEDGE CURB	21,855.00	LF
0505	23954EC	REMOVE EXISTING WEDGE CURB	17,085.00	LF
0510	24489EC	INLAID PAVEMENT MARKER	2,092.00	EACH
0515	00080	CRUSHED AGGREGATE SIZE NO 23	25.00	TON
0520	00461	CULVERT PIPE-15 IN	12.00	LF
0525	00462	CULVERT PIPE-18 IN	8.00	LF
0530	00464	CULVERT PIPE-24 IN	24.00	LF
0535	00468	CULVERT PIPE-36 IN	12.00	LF
0540	01202	PIPE CULVERT HEADWALL-15 IN	1.00	EACH
0545	01208	PIPE CULVERT HEADWALL-24 IN	1.00	EACH
0550	01212	PIPE CULVERT HEADWALL-36 IN	1.00	EACH
0555	01310	REMOVE PIPE	45.00	LF
0560	01450	S & F BOX INLET-OUTLET-18 IN	1.00	EACH
0565	01720	RECONSTRUCT INLET	1.00	EACH
0570	02165	REMOVE PAVED DITCH	4,901.00	SQYD
0575	02483	CHANNEL LINING CLASS II	1,107.00	TON
0580	02484	CHANNEL LINING CLASS III	35.00	TON
0585	02602	FABRIC-GEOTEXTILE CLASS 1	80.00	SQYD
0590	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	77.00	SQYD
0595	02625	REMOVE HEADWALL	4.00	EACH
0600	20366NN	REPLACE GRATE	3.00	EACH
0605	24522EC	REPAIR - (DRAINAGE FAILURE NO. 2)	1.00	LS
0610	24522EC	REPAIR - (DRAINAGE FAILURE NO. 3)	1.00	LS
0615	24522EC	REPAIR - (DRAINAGE FAILURE NO. 6)	1.00	LS
0620	24522EC	REPAIR - (DRAINAGE FAILURE NO. 7)	1.00	LS
0625	24522EC	REPAIR - (DRAINAGE FAILURE NO. 8)	1.00	LS
0630	24731EC	REMOVE AND RESET - (HDWL)	1.00	EACH
0635	02568	MOBILIZATION	1.00	LS
0640	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	00001		DGA BASE	16,820.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	2,902.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	348.00	TON		\$	
0040	00190		LEVELING & WEDGING PG64-22	2,067.00	TON		\$	
0050	00193		ASPHALT SCRATCH COURSE PG76-22	13,129.00	TON		\$	
0060	00216		CL3 ASPH BASE 1.00D PG76-22	74.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22 (REVISED: 7/20/2021)	14,519.00	TON		\$	
0080	00336		CL3 ASPH SURF 0.38A PG76-22 (REVISED: 7/20/2021)	42,017.00	TON		\$	
0090	02677		ASPHALT PAVE MILLING & TEXTURING	11,996.00	TON		\$	
0100	03240		BASE FAILURE REPAIR	21.00	SQYD		\$	
0110	20071EC		JOINT ADHESIVE	326,469.00	LF		\$	
0120	20757ED		PAVEMENT REPAIR	126.00	SQYD		\$	
0130	23593EC		SHOULDER FAILURE REPAIR	964.00	SQYD		\$	
0140	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	408.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0150	00078		CRUSHED AGGREGATE SIZE NO 2	848.00	TON		\$	
0160	01690		FLUME INLET TYPE 1	6.00	EACH		\$	
0170	01691		FLUME INLET TYPE 2	4.00	EACH		\$	
0180	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	979.00	EACH		\$	
0190	02200		ROADWAY EXCAVATION	340.00	CUYD		\$	
0200	02351		GUARDRAIL-STEEL W BEAM-S FACE	72,387.00	LF		\$	
0210	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	6.00	EACH		\$	
0220	02367		GUARDRAIL END TREATMENT TYPE 1	54.00	EACH		\$	
0230	02369		GUARDRAIL END TREATMENT TYPE 2A	70.00	EACH		\$	
0240	02373		GUARDRAIL END TREATMENT TYPE 3	13.00	EACH		\$	
0250	02381		REMOVE GUARDRAIL	74,374.00	LF		\$	
0260	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	6.00	EACH		\$	
0270	02562		TEMPORARY SIGNS	5,000.00	SQFT		\$	
0280	02575		DITCHING AND SHOULDERING	79,817.00	LF		\$	
0290	02575		DITCHING AND SHOULDERING SPECIAL	1,232.00	LF		\$	
0300	02650		MAINTAIN & CONTROL TRAFFIC (BARREN COUNTY)	1.00	LS		\$	
0310	02650		MAINTAIN & CONTROL TRAFFIC (METCALFE COUNTY)	1.00	LS		\$	
0320	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0330	02676		MOBILIZATION FOR MILL & TEXT (BARREN COUNTY)	1.00	LS		\$	
0340	02676		MOBILIZATION FOR MILL & TEXT (METCALFE COUNTY)	1.00	LS		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	02696		SHOULDER RUMBLE STRIPS	326,223.00	LF		\$	
0360	02726		STAKING (BARREN COUNTY)	1.00	LS		\$	
0370	02726		STAKING (METCALFE COUNTY)	1.00	LS		\$	
0380	02775		ARROW PANEL	4.00	EACH		\$	
0390	05950		EROSION CONTROL BLANKET	48,205.00	SQYD		\$	
0400	06511		PAVE STRIPING-TEMP PAINT-6 IN	336,760.00	LF		\$	
0410	06542		PAVE STRIPING-THERMO-6 IN W	217,340.00	LF		\$	
0420	06543		PAVE STRIPING-THERMO-6 IN Y	174,430.00	LF		\$	
0430	06546		PAVE STRIPING-THERMO-12 IN W	3,668.00	LF		\$	
0440	06549		PAVE STRIPING-TEMP REM TAPE-B	3,400.00	LF		\$	
0450	06550		PAVE STRIPING-TEMP REM TAPE-W	3,400.00	LF		\$	
0460	06551		PAVE STRIPING-TEMP REM TAPE-Y	3,400.00	LF		\$	
0470	06556		PAVE STRIPING-DUR TY 1-6 IN W	1,571.00	LF		\$	
0480	06557		PAVE STRIPING-DUR TY 1-6 IN Y	1,256.00	LF		\$	
0490	06568		PAVE MARKING-THERMO STOP BAR-24IN	82.00	LF		\$	
0500	10020NS		FUEL ADJUSTMENT	117,821.00	DOLL	\$1.00	\$	\$117,821.00
0510	10030NS		ASPHALT ADJUSTMENT	280,773.00	DOLL	\$1.00	\$	\$280,773.00
0520	20191ED		OBJECT MARKER TY 3	53.00	EACH		\$	
0530	20550ND		SAWCUT PAVEMENT	178.00	LF		\$	
0540	22664EN		WATER BLASTING EXISTING STRIPE	22,310.00	LF		\$	
0550	22883EN		CONCRETE WEDGE CURB	30,458.00	LF		\$	
0560	23954EC		REMOVE EXISTING WEDGE CURB	25,688.00	LF		\$	
0570	24489EC		INLAID PAVEMENT MARKER	2,389.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0580	00080		CRUSHED AGGREGATE SIZE NO 23	30.00	TON		\$	
0590	00461		CULVERT PIPE-15 IN	12.00	LF		\$	
0600	00462		CULVERT PIPE-18 IN	8.00	LF		\$	
0610	00464		CULVERT PIPE-24 IN	24.00	LF		\$	
0620	00468		CULVERT PIPE-36 IN	12.00	LF		\$	
0630	01202		PIPE CULVERT HEADWALL-15 IN	1.00	EACH		\$	
0640	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
0650	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
0660	01310		REMOVE PIPE	45.00	LF		\$	
0670	01450		S & F BOX INLET-OUTLET-18 IN	1.00	EACH		\$	
0680	01720		RECONSTRUCT INLET	1.00	EACH		\$	
0690	02165		REMOVE PAVED DITCH	6,390.00	SQYD		\$	
0700	02483		CHANNEL LINING CLASS II	1,662.00	TON		\$	
0710	02484		CHANNEL LINING CLASS III	35.00	TON		\$	
0720	02602		FABRIC-GEOTEXTILE CLASS 1	90.00	SQYD		\$	
0730	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	77.00	SQYD	\$2.00	\$	\$154.00
0740	02625		REMOVE HEADWALL	4.00	EACH		\$	
0750	20366NN		REPLACE GRATE	3.00	EACH		\$	
0760	24522EC		REPAIR (DRAINAGE FAILURE NO. 1)	1.00	LS		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	24522EC		REPAIR (DRAINAGE FAILURE NO. 2)	1.00	LS		\$	
0780	24522EC		REPAIR (DRAINAGE FAILURE NO. 3)	1.00	LS		\$	
0790	24522EC		REPAIR (DRAINAGE FAILURE NO. 6)	1.00	LS		\$	
0800	24522EC		REPAIR (DRAINAGE FAILURE NO. 7)	1.00	LS		\$	
0810	24522EC		REPAIR (DRAINAGE FAILURE NO. 8)	1.00	LS		\$	
0820	24731EC		REMOVE AND RESET (HDWL)	1.00	EACH		\$	

Section: 0004 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0830	02568		MOBILIZATION	1.00	LS		\$	
0840	02569		DEMOBILIZATION	1.00	LS		\$	