



Matthew G. Bevin
Governor

COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Greg Thomas
Secretary

October 8, 2019

CALL NO. 203
CONTRACT ID NO. 191064
ADDENDUM # 1

Subject: LYON-CALDWELL-TRIGG COUNTIES, 121GR19D064 - NHPP IM
Letting October 25, 2019

- (1) Revised - Summary Sheet - Page 16 of 493
- (2) Revised - Various Notes - Pages 19-45 of 493
- (3) Revised - General Notes - Page 49 of 493
- (4) Revised - Roadway Plans Index of Sheets - Page 50 of 493
- (5) Revised - Geometric Data Sheet - Pages 105-110 of 493
- (6) Revised - Vertical and Horizontal Control Points Sheet - Page 111 of 493
- (7) Revised - Cross Sections Index of Sheets - Page 177 of 493
- (8) Revised - Material Summary - Pages 432-437 of 493
- (9) Revised - Proposal Bid Items - Pages 490-493 of 493

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

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

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:mr
Enclosures



An Equal Opportunity Employer M/F/D

PROJECT TRAFFIC COORDINATOR (PTC)

Be advised this project is a significant project pursuant to section 112.03.12.

DGA BASE

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

DGA BASE FOR SHOULDERS

Unless otherwise noted, the Department estimates the rate of application for DGA Base for Shoulders to be 115 lbs/sy per inch of depth. The Department will not measure necessary grading and/or shaping of existing shoulders prior to placing of DGA Base, but shall be incidental to the Contract unit price per ton for DGA Base.

Accept payment at the Contract unit price per ton as full compensation for all labor, materials, equipment, and incidentals for grading and/or shaping of existing shoulders and furnishing, placing, and compacting the DGA Base.

INCIDENTAL SURFACING

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

JPC RIDE QUALITY

The Department will apply JPC Ride Quality requirements on this project in accordance with Section 501.03.19(B).

FUEL AND ASPHALT PAY ADJUSTMENT

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

STANDARD DRAWINGS
I-24 - CALDWELL, LYON, AND TRIGG COUNTY
PAGE 1 OF 2

APPLICABLE KENTUCKY DEPARTMENT OF HIGHWAYS
STANDARD DRAWINGS - CURRENT EDITIONS:

RBB-002	GUARDRAIL AND BRIDGE END DRAINAGE FOR TWIN STRUCTURES
RBI-003	TYPICAL INSTALLATION FOR GUARDRAIL END TREATMENT TYPE 2A
RBM-020	DELINEATORS FOR CONCRETE BARRIERS
RBM-115	CONCRETE BARRIER WALL TYPE 9T (TEMPORARY)
RBM-120	BOX BEAM STIFFENING OF TEMPORARY CONCRETE BARRIER
RBR-005	GUARDRAIL COMPONENTS
RBR-010	GUARDRAIL TERMINAL SECTIONS
RDD-020	FLUME INLET TYPE 1
RDD-021	FLUME INLET TYPE 2
RDP-001	PERFORATED PIPE TYPES AND COVER HEIGHTS
RDP-005	PERFORATED PIPE FOR SUBGRADE DRAINAGE ON TWO-LANE (CLASS 2) AND MULTI-LANE ROADS
RDP-006	PERFORATED PIPE UNDERDRAINS (LONGITUDINAL AND TRANSVERSE)
RDP-010	PERFORATED PIPE HEADWALLS
RDX-210	TEMPORARY SILT FENCE
RDX-215	TEMPORARY SILT FENCE WITH WOVEN WIRE FENCE FABRIC
RDX-220	SILT TRAP TYPE A
RDX-225	SILT TRAP TYPE B
RDX-230	SILT TRAP TYPE C
RGX-001	MISCELLANEOUS STANDARDS
RPM-145	RUMBLE STRIPS TYPE 3
RPS-010	CONCRETE PAVEMENT JOINT DETAILS
RPS-020	EXPANSION AND CONTRACTION JOINT LOAD TRANSFER ASSEMBLIES
RPX-001	STATION MARKINGS CONCRETE PAVEMENT
RPX-010	PREFORMED COMPRESSION JOINT SEAL FOR CONCRETE PAVEMENT
RPX-015	HOT-POURED ELASTIC JOINT SEALS FOR CONCRETE PAVEMENT
RPX-020	SILICONE RUBBER SEALS FOR CONCRETE PAVEMENT
TPM-105	PAVEMENT MARKER ARRANGEMENTS MULTI-LANE ROADWAYS
TPM-126	PAVEMENT MARKER ARRANGEMENT FOR PARALLEL DECELERATION LANE
TPM-135	PAVEMENT MARKER ARRANGEMENT ON-RAMP WITH PARALLEL ACCELERATION LANE
TPM-170	FLEXIBLE DELINEATOR POST ARRANGEMENTS FOR HORIZONTAL CURVES
TPM-171	FLEXIBLE DELINEATOR POST ARRANGEMENTS FOR INTERCHANGE RAMPS AND CROSSOVERS
TTC-115	LANE CLOSURE MULTI-LANE HIGHWAY CASE I
TTC-145	MEDIAN CROSSOVER CASE II
TTC-146	MEDIAN CROSSOVER CASE II
TTD-120	DOUBLE FINES ZONE SIGNS
TTS-120	MOBILE OPERATION FOR DURABLE STRIPING CASE I

STANDARD DRAWINGS
I-24 - CALDWELL, LYON, AND TRIGG COUNTY
PAGE 2 OF 2

APPLICABLE KENTUCKY DEPARTMENT OF HIGHWAYS
STANDARD DRAWING SEPIAS (ATTACHED):

- 005 SHOULDER AND EDGELINE RUMBLE STRIPS
- 007 SHOULDER RUMBLE STRIP DETAILS TWO LANE ROADWAYS
- 013 GUARDRAIL CONNECTOR TO BRIDGE END TYPE A AND A-1 COMPONENTS
- 015 GUARDRAIL CONNECTOR TO BRIDGE END TYPE A
- 016 GUARDRAIL CONNECTOR TO BRIDGE END TYPE A-1
- 018 CONNECTION DETAILS OF CRASH CUSHION TYPE VI TO DOUBLE FACE
GUARDRAIL
- 021 CRASH CUSHION TYPE VI-BT
- 023 CRASH CUSHION TYPE IX-A
- 024 TYPICAL GUARDRAIL INSTALLATIONS
- 025 INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1
- 027 STEEL BEAM GUARDRAIL "W" BEAM
- 028 STEEL GUARDRAIL POSTS
- 029 GUARDRAIL END TREATMENT TYPE 1
- 030 GUARDRAIL END TREATMENT TYPE 4A
- 032 DELINEATORS FOR GUARDRAIL
- 033 GUARDRAIL SYSTEM TRANSITION
- 038 GUARDRAIL END TREATMENT TYPE 2A
- 039 TYPICAL ENTRANCE RAMP MARKINGS FOR INTERSTATES AND PARKWAYS
- 040 TYPICAL EXIT RAMP MARKINGS FOR INTERSTATES AND PARKWAYS
- 041 TYPICAL EXIT RAMP MARKINGS FOR INTERSTATES AND PARKWAYS
- 045 TYPICAL MARKINGS FOR GORE AREAS
- 060 CURB AND GUTTER, CURBS AND VALLEY GUTTER

REFERENCES
I-24 - CALDWELL, LYON, AND TRIGG COUNTY
PAGE 1 OF 1

1. KENTUCKY TRANSPORTATION CABINET, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
2. FHWA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) - CURRENT EDITION WITH REVISIONS.
3. APPLICABLE KENTUCKY DEPARTMENT OF HIGHWAYS SUPPLEMENT SPECIFICATIONS (ATTACHED):

SPCL. NOTE	ASPHALT MILLING AND TEXTURING
SPCL. NOTE	TYPICAL SECTION DIMENSIONS
SPCL. NOTE	BEFORE YOU DIG
SPCL. NOTE	FIXED COMPLETION DATE AND LIQUIDATED DAMAGES
SPCL. NOTE	GEOTEXTILE BOND BREAKER INTERLAYER FOR CONCRETE OVERLAY
SPCL. NOTE	LONGITUDINAL TEXTURING OF CONCRETE PAVEMENT
SPCL. NOTE	POLYMER MODIFIED PARTIAL DEPTH PATCHING
MOD. SPCL. NOTE	MODIFIED FULL DEPTH CONCRETE PAVEMENT REPAIR
SPCL. NOTE	HIGH TENSION CABLE-ROPE MEDIAN BARRIER
SPCL. NOTE	BRIDGE BARRIER RETROFIT
SPCL. NOTE	CONCRETE PAVEMENT JOINT AND RANDOM CRACK SEALING
SPCL. NOTE	CLASS 1A GEOTEXTILE FABRICS USED IN STRUCTURAL PAVEMENT DESIGNS
SPCL. NOTE	EXPERIMENTAL KYCT AND HAMBURG TESTING
SPCL. NOTE	GUARDRAIL DELIVERY VERIFICATION SHEET
SPCL. NOTE	PORTABLE CHANGEABLE MESSAGE SIGNS
SPCL. NOTE	CONCRETE SLURRY
SPCL. NOTE	SUBGRADE STABILIZATION

GENERAL SUMMARY

I-24 - CALDWELL, LYON, AND TRIGG COUNTY

BID CODE	ITEM	UNIT	NOTE	QUANTITIES			
				CALDWELL COUNTY	LYON COUNTY	TRIGG COUNTY	TOTALS
00001	DGA	TON		3,655	6,921	7,593	18,169
00008	CEMENT STABILIZED ROADBED	SY		45,373	52,130	124,503	222,006
00078	CRUSHED AGGREGATE SIZE NO 2	TON	17	58	72	714	844
00080	CRUSHED AGGREGATE SIZE NO 23	TON		60	100	240	400
00100	ASPHALT SEAL AGGREGATE	TON		286	278	744	1,308
00103	ASPHALT SEAL COAT	TON		34	33	89	156
00190	LEVELING & WEDGING PG64-22	TON		182	0	730	912
00214	CL3 ASPH BASE 1.00D PG64-22	TON		1,587	3,932	2,495	8,014
00312	CL3 ASPH SURF 0.50D PG64-22	TON		1,609	1,464	4,428	7,501
00356	ASPHALT MATERIAL FOR TACK COAT	TON		6	7	17	30
00358	ASPHALT CURING SEAL	TON		91	104	249	444
01005	PERFORATED PIPE EDGE DRAIN- 4 IN	LF	5	22,820	32,548	60,372	115,740
01015	INSPECT AND CERTIFY EDGE DRAIN SYSTEM	LS		1	1	1	1
01020	PERF PIPE HEADWALL TY 1 - 4 IN	EACH		0	2	3	5
01024	PERF PIPE HEADWALL TY 2 - 4 IN	EACH		0	1	1	2
01028	PERF PIPE HEADWALL TY 3 - 4 IN	EACH		9	26	4	39
01032	PERF PIPE HEADWALL TY 4 - 4 IN	EACH	7	49	43	155	247
01690	FLUME INLET TYPE 1	EACH		0	0	2	2
01691	FLUME INLET TYPE 2	EACH		0	0	2	2
01740	CORED HOLE DRAINAGE BOX CON-4 IN	EACH	3	1	1	3	5
01890	ISLAND HEADER CURB TYPE 1	LF		0	100	75	175
01891	ISLAND HEADER CURB TYPE 2	LF		0	100	50	150
01982	DELINEATOR FOR GUARDRAIL MONO WHITE	EACH		0	8	157	165
01983	DELINEATOR FOR GUARDRAIL MONO YELLOW	EACH		0	7	20	27
01986	DELINEATOR FOR BARRIER - YELLOW	EACH		681	782	1,868	3,331
02058	REMOVE PCC PAVEMENT	SY	2	45,802	69,507	99,603	214,912
02060	PCC PAVEMENT DIAMOND GRINDING	SY		40,470	59,598	274,122	374,190
02069	JPC PAVEMENT - 10 IN (SLAB REPLACEMENT)	SY		650	950	2,500	4,100
02071	JPC PAVEMENT - 11 IN	SY		45,373	52,130	124,503	222,006
02091	REMOVE PAVEMENT	SY	16	650	950	2,500	4,100
02115	SAW-CLEAN-RESEAL TVERSE JOINT	LF	15	16,556	30,717	112,141	159,414
02116	SAW-CLEAN-RESEAL LONGIT JOINT	LF	8	13,797	25,597	93,451	132,845
02165	REMOVE PAVED DITCH	SY		0	0	8,097	8,097
02351	GUARDRAIL - STEEL W BEAM - S FACE	LF		0	796	10,354	11,150
02352	GUARDRAIL - STEEL W BEAM - D FACE	LF		0	245	685	930
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH		0	2	6	8
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH		0	5	11	16
02365	CRASH CUSHION TYPE XI - A	EACH		0	2	6	8
02367	GR END TREATMENT TYPE 1	EACH		0	4	10	14

GENERAL SUMMARY							
I-24 - CALDWELL, LYON, AND TRIGG COUNTY							
BID CODE	ITEM	UNIT	NOTE	QUANTITIES			
				CALDWELL COUNTY	LYON COUNTY	TRIGG COUNTY	TOTALS
02369	GR END TREATMENT TYPE 2A	EACH		0	2	15	17
02381	REMOVE GUARDRAIL	LF		0	1,241	11,978	13,219
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH		0	4	12	16
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH		0	0	1	1
02483	CHANNEL LINING CLASS II	TON		0	0	1,575	1,575
02542	CEMENT	TON		1,470	1,689	4,034	7,193
02562	TEMPORARY SIGNS	SF	13	600	700	1,800	3,100
02565	OBJECT MARKER TYPE 2	EACH	4	0	2	6	8
02568	MOBILIZATION	LS		1	1	1	1
02569	DEMOBILIZATION	LS		1	1	1	1
02575	DITCHING AND SHOULDERING	LF		13,797	20,317	65,308	99,422
02575	DITCHING AND SHOULDERING (SPECIAL)	LF		0	0	2,198	2,198
02604	FABRIC GEOTEXTILE CLASS 1A	SY	3	650	950	2,500	4,100
02650	MAINTAIN AND CONTROL TRAFFIC	LS	13	1	1	1	1
02655	CROSSOVER (#1)	LS	13	-	1	-	1
02655	CROSSOVER (#2)	LS	13	1	-	-	1
02655	CROSSOVER (#3)	LS	13	1	-	-	1
02655	CROSSOVER (#4)	LS	13	-	-	1	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	13	4	2	4	10
02676	MOBILIZATION FOR MILL & TEXT	LS		1	-	1	1
02677	ASPHALT MILLING AND TEXTURING	TON		498	0	1,096	1,594
02695	RUMBLE STRIPS TYPE 3	LF		500	1,000	0	1,500
02696	SHOULDER RUMBLE STRIPS	LF	9	7,245	0	18,368	25,613
02701	TEMP SILT FENCE	LF	14	1,350	1,390	1,200	3,940
02702	SAND FOR BLOTTER	TON		113	130	311	554
02705	SILT TRAP TYPE C	EACH	14	2	2	2	6
02726	STAKING	LS		1	1	1	1
02775	ARROW PANEL	EACH	13	0	1	1	2
03171	CONCRETE BARRIER WALL 9T	LF		13,612	15,639	37,351	66,602
03383	PVC PIPE-4 IN	LF	6	2,625	3,602	9,782	16,009
05950	EROSION CONTROL BLANKET	SY	14	10,000	13,000	42,000	65,000
05953	TEMP SEEDING AND PROTECTION	SY	14	717	613	237	1,567
05963	INITIAL FERTILIZER	TON	14	0.2	0.1	0.1	0.4
05964	MAINTENANCE FERTILIZER	TON	14	0.2	0.1	0.1	0.4
05985	SEEDING AND PROTECTION	SY	14	2,323	1,162	1,162	4,647
05992	AGRICULTURAL LIMESTONE	TON	14	1.44	0.72	0.72	2.88
06401	FLEXIBLE DELINEATOR POST-M/W	EACH		231	38	465	734
06404	FLEXIBLE DELINEATOR POST-M/Y	EACH		64	0	71	135
06511	PAVE STRIPING - TEMP PAINT - 6 IN	LF		54,447	65,541	151,259	271,247

GENERAL SUMMARY							
I-24 - CALDWELL, LYON, AND TRIGG COUNTY							
BID CODE	ITEM	UNIT	NOTE	QUANTITIES			
				CALDWELL COUNTY	LYON COUNTY	TRIGG COUNTY	TOTALS
06513	PAVE STRIPING-TEMP PAINT-12 IN	LF		978	0	0	978
06556	PAVE STRIPING - DUR TY - 6 IN W	LF		34,261	44,946	163,502	242,709
06557	PAVE STRIPING - DUR TY - 6 IN Y	LF		27,408	35,957	130,801	194,166
06560	PAVE STRIPING-DUR TY 1-12 IN W	LF		2,297	0	1,288	3,585
06600	REMOVE PAVEMENT MARKER TYPE V	EACH	12	173	320	1,169	1,662
08903	CRASH CUSHION TY VI CLASS BT TL3	EACH		0	4	4	8
10020NS	FUEL ADJUSTMENT	DOLL		24,821	31,361	63,602	119,784
10030NS	ASPHALT ADJUSTMENT	DOLL		13,203	21,096	29,920	64,219
20366NN	REPLACE GRATE	EACH		2	1	2	5
20412ED	REMOVE ASPHALT SHOULDER	SY	10	9,169	0	41,590	50,759
20432ES112	REMOVE CRASH CUSHION	EACH		0	2	6	8
21173EC	SAW-CLEAN-RESEAL RANDOM CRACKS	LF		2,000	2,000	6,000	10,000
22883EN	CONCRETE WEDGE CURB	LF		0	0	2,198	2,198
23032EN	BRIDGE BARRIER RETROFIT	LF		0	0	785	785
23147EN	HIGH TENSION CABLE-ROPE	LF	11	301	416	395	1,112
23148EN	END ANCHORS	EACH	11	4	2	2	8
23949EC	BRIDGE CLEANING AND PREVENTATIVE MAINTENANCE	LS	18	-	1	-	1
23949EC	BRIDGE CLEANING AND PREVENTATIVE MAINTENANCE	LS	19	-	-	1	1
24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM	LF	11	301	416	395	1,112
24489EC	INLAID PAVEMENT MARKERS	EACH		447	449	1,635	2,531
24640ED	OBJECT MARKER TYPE 1	EACH		0	6	10	16
24969ED	LONGITUDINAL SAW CUT	LF		9,282	0	37,351	46,633
24997EC	PARTIAL DEPTH PATCHING - POLYMER MOD	CUFT		216	49	1,991	2,256
25050ED	GEOTEXTILE BOND BREAKER	SY		45,373	52,130	124,503	222,006

NOTES:

1. Quantities from all other summary sheets have been carried over and included in this General Summary Sheet.
2. For eastbound concrete pavement removal MP 51.886 to MP 64.500.
3. Required for slab replacements.
4. For guardrail at bridges. See Standard Drawing RBB-002.
5. Total includes 2,060 LF for slab replacements.
6. Total includes 2,220 LF for slab replacements.
7. Total includes 75 headwalls for slab replacements.
8. For Diamond Grinding areas.
9. Total includes 11,660 LF for MOT impacts.
10. Total includes 4290 square yards for MOT impacts from potential deterioration of shoulders from MP 55.668 to MP 64.7 during phase 1 of construction.
11. For High Tension Cable-Rope Barrier for crossovers.
12. For Diamond Grinding areas. Estimated every 80'.
13. For Maintenance of Traffic.
14. For erosion control of temporary crossovers.
15. For Diamond Grinding areas. Estimated every 20 feet.
16. For removal of concrete for slab replacements.
17. Total includes 293 tons for perforated pipe headwalls, and 551 tons for erosion repairs.
18. For bridges 072B00048L&R in Lyon County.
19. For bridges 111B00044L&R in Trigg County.

PAVING AREAS							
I-24 - CALDWELL, LYON, AND TRIGG COUNTY							
BID CODE	ITEM	NOTE	DEPTH (inches)	SQUARE YARDS			
				CALDWELL COUNTY	LYON COUNTY	TRIGG COUNTY	TOTALS
00001	DGA WEDGE		11.00	3,025	3,475	8,300	14,800
00001	DGA WEDGE	1	4.80	2,165	7,820	4,515	14,500
00001	DGA	2,5	2.00	6,379	18,327	5,872	30,578
00001	DGA	6	6.00	1,189	1,326	1,222	3,737
00008	CEMENT STABILIZED ROADBED			45,373	52,130	124,503	222,006
00100	ASPHALT SEAL AGGREGATE			14,288	13,902	37,214	65,404
00103	ASPHALT SEAL COAT			14,288	13,902	37,214	65,404
00190	LEVELING & WEDGING PG64-22	1	1.00	3,300	0	13,280	16,580
00214	CL3 ASPH BASE 1.00D PG64-22	6	3.00	2,378	2,651	2,444	7,473
00214	CL3 ASPH BASE 1.00D PG64-22	2	4.50	4,827	14,119	8,451	27,397
00312	CL3 ASPH SURF 0.50D PG64-22	6	1.25	1,189	1,326	1,222	3,737
00312	CL3 ASPH SURF 0.50D PG64-22	2	1.50	7,502	16,637	8,389	32,528
00312	CL3 ASPH SURF 0.50D PG64-22		2.00	8,251	0	33,201	41,452
00356	ASPHALT MATERIAL FOR TACK			15,753	16,637	41,590	73,980
00358	ASPHALT CURING SEAL	4		45,373	52,130	124,503	222,006
02060	PCC PAVEMENT DIAMOND GRINDING	3		40,470	59,598	274,122	374,190
02069	JPC PAVEMENT - 10 IN (SLAB REPLACEMENT)			650	950	2,500	4,100
02071	JPC PAVEMENT - 11 IN			45,373	52,130	124,503	222,006
02542	CEMENT	4		45,373	52,130	124,503	222,006
02677	ASPHALT MILLING AND TEXTURING		1.50	6,036	0	13,280	19,316
02702	SAND FOR BLOTTER	4		45,373	52,130	124,503	222,006
25050ED	GEOTEXTILE BONDBREAKER INTERLAYER			45,373	52,130	124,503	222,006

NOTES:

1. Depth shown is equivalent and is based on the average depth over the cross section of the pavement material.
2. Total includes 4290 square yards for MOT impacts from potential deterioration of shoulders from MP 55.668 to MP 64.7 during phase I of construction.
3. Diamond grinding includes an additional 10% for grinding shoulders when necessary for proper drainage.
4. For cement stabilized roadbed.
5. Total includes 4100 square yards for slab replacements.
6. For temporary crossovers.

PAVING SUMMARY							
I-24 - CALDWELL, LYON, AND TRIGG COUNTY							
ITEM CODE	ITEM	NOTES	UNIT	CALDWELL COUNTY	LYON COUNTY	TRIGG COUNTY	TOTALS
00001	DGA	1	TON	3,655	6,921	7,593	18,169
00008	CEMENT STABILIZED ROADBED		SQ. YD.	45,373	52,130	124,503	222,006
00100	ASPHALT SEAL AGGREGATE	3	TON	286	278	744	1,308
00103	ASPHALT SEAL COAT	4	TON	34	33	89	156
00190	LEVELING & WEDGING PG64-22	2	TON	182	0	730	912
00214	CL3 ASPH BASE 1.00D PG64-22	2	TON	1,587	3,932	2,495	8,014
00312	CL3 ASPH SURF 0.50D PG64-22	2	TON	1,609	1,464	4,428	7,501
00356	ASPHALT MATERIAL FOR TACK	6	TON	6	7	17	30
00358	ASPHALT CURING SEAL	7	TON	91	104	249	444
02060	PCC PAVEMENT DIAMOND GRINDING		SQ. YD.	40,470	59,598	274,122	374,190
02069	JPC PAVEMENT - 10 IN (SLAB REPLACEMENT)		SQ. YD.	650	950	2,500	4,100
02071	JPC PAVEMENT - 11 IN		SQ. YD.	45,373	52,130	124,503	222,006
02542	CEMENT	9	TON	1,470	1,689	4,034	7,193
02677	ASPHALT MILLING AND TEXTURING	2	TON	498	0	1,096	1,594
02702	SAND FOR BLOTTER	8	TON	113	130	311	554
25050ED	GEOTEXTILE BONDBREAKER INTERLAYER		SQ. YD.	45,373	52,130	124,503	222,006

NOTES:

1. Estimated at 115 lbs. per sq. yd. per inch of depth.
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. Quantities are carried over and included in General Summary.
6. Estimated at 0.84 lbs per sq.yd.
7. Estimated at 2 lbs. per sq. yd. (two applications).
8. Estimated at 5 lbs. per sq. yd.
9. Estimated at 6% by weight with a dry density of 120 lbs per cubic foot.

SCHEDULE AND SUMMARY OF GUARDRAIL														
I-24 - CALDWELL, LYON, AND TRIGG COUNTY														
LOCATION					ITEM									
COUNTY	DIRECTION	STATIONS	MILEPOINTS	LIN. FT.			EACH							
				REMOVE GUARDRAIL	GUARDRAIL - STEEL W BEAM - S FACE	GUARDRAIL - STEEL W BEAM - D FACE	GUARDRAIL TERMINAL SECTION NO 1	GR END TREATMENT 1	GR END TREATMENT 2A	GR END TREATMENT 4A	GUARDRAIL CONNECTOR TO BRIDGE END TY A	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	CRASH CUSHION TYPE XI-A	REMOVE CRASH CUSHION
				02381	02351	02352	02360	02367	02369	02391	02363	02387	02365	20432E S112
X	EB	4038+15 TO 4040+57	53.366 TO 53.412	199	69	105	1				1		1	1
X	EB	4038+54 TO 4040+59	53.373 TO 53.412	205	130			1			1			
X	WB	4038+58 TO 4040+58	53.374 TO 53.412		125			1				1		
X	WB	4038+62 TO 4040+58	53.375 TO 53.412	196	171			1				1		
X	WB	4042+20 TO 4044+46	53.443 TO 53.485	226	151			1			1			
X	WB	4042+20 TO 4044+91	53.443 TO 53.494	227	62	140	1				1		1	1
X	EB	4042+21 TO 4042+46	53.443 TO 53.447						1			1		
X	EB	4042+24 TO 4044+12	53.443 TO 53.479	188	88			1			1	1		
X	WB	4357+95 TO 4369+10	59.423 TO 59.634	1110	1060			1						
X	EB	4360+46 TO 4367+62	59.470 TO 59.606	721	671			1						
X	WB	4397+59 TO 4403+88	60.173 TO 60.292	629	604				1			1		
X	EB	4399+26 TO 4402+62	60.205 TO 60.269	336	274					1				
X	EB	4400+22 TO 4402+96	60.223 TO 60.275	231	101	105	1				1		1	1
X	WB	4402+75 TO 4403+50	60.271 TO 60.285					1				1		
X	EB	4405+91 TO 4410+54	60.331 TO 60.419	463	438				1			1		
X	EB	4406+32 TO 4406+57	60.339 TO 60.343						1			1		
X	WB	4406+84 TO 4409+47	60.348 TO 60.398	219	48	146	1				1		1	1
X	WB	4407+20 TO 4414+31	60.355 TO 60.490	712	637			1			1			
X	EB	4463+86 TO 4670+16	61.428 TO 65.336	632	557			1			1			
X	WB	4665+28 TO 4670+33	65.243 TO 65.339	505	480					1		1		
X	EB	4667+65 TO 4670+16	65.288 TO 65.336	220	55	140	1				1		1	1

SCHEDULE AND SUMMARY OF GUARDRAIL														
I-24 - CALDWELL, LYON, AND TRIGG COUNTY														
LOCATION			ITEM											
COUNTY	DIRECTION	STATIONS	MILEPOINTS	LIN. FT.			EACH							
				REMOVE GUARDRAIL	GUARDRAIL - STEEL W BEAM - S FACE	GUARDRAIL - STEEL W BEAM - D FACE	GUARDRAIL TERMINAL SECTION NO 1	GR END TREATMENT 1	GR END TREATMENT 2A	GR END TREATMENT 4A	GUARDRAIL CONNECTOR TO BRIDGE END TY A	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	CRASH CUSHION TYPE XI-A	REMOVE CRASH CUSHION
CALDWELL COUNTY	LYON COUNTY	TRIGG COUNTY		02381	02351	02352	02360	02367	02369	02391	02363	02387	02365	20432E S112
		X	WB	4670+00 TO 4670+25	65.333 TO 65.337				1			1		
		X	EB	4672+55 TO 4677+36	65.381 TO 65.472	482			1			1		
		X	EB	4672+56 TO 4672+81	65.381 TO 65.386				1			1		
		X	WB	4672+77 TO 4675+20	65.385 TO 65.431	199	74	100	1		1		1	1
		X	WB	4672+87 TO 4679+92	65.387 TO 65.520	707	632		1		1			
		X	EB	4704+47 TO 4710+46	66.416 TO 66.529	598	523		1		1			
		X	WB	4704+71 TO 4710+75	66.420 TO 66.535	603	578		1			1		
		X	EB	4707+83 TO 4710+56	66.479 TO 66.531	228	72	104	1		1		1	1
		X	WB	4710+41 TO 4710+66	66.479 TO 66.531				1			1		
		X	EB	4711+96 TO 4719+50	66.557 TO 66.700	749	724		1			1		
		X	EB	4711+98 TO 4712+23	66.557 TO 66.700				1			1		
		X	WB	4712+16 TO 4714+79	66.561 TO 66.611	220	105	90	1		1		1	1
		X	WB	4712+27 TO 4722+69	66.563 TO 66.761	1052	1002		1					
		X	EB	4798+45 TO 4805+30	68.196 TO 68.325	693	643		1					
		X	WB	4800+42 TO 4807+18	68.233 TO 68.361	669	619		1					
				CALDWELL COUNTY TOTALS:		0	0	0	0	0	0	0	0	0
				LYON COUNTY TOTALS:		1,241	796	245	2	4	2	0	5	4
				TRIGG COUNTY TOTALS:		11,978	10,354	685	6	10	15	1	11	12
				PROJECT TOTALS:		13,219	11,150	930	8	14	17	1	16	16

NOTES:

- Quantities are carried over and included in the General Summary.
- Remove Guardrail includes removal of any end treatments.

SCHEDULE AND SUMMARY OF PAVEMENT REPAIRS									
I-24 - CALDWELL, LYON, AND TRIGG COUNTY									
COUNTY			MILEPOINT TO MILEPOINT			SLAB REPLACEMENT (SY)		PARTIAL DEPTH PATCHING - POLYMER MOD (CUFT)	
CALDWELL	LYON	TRIGG				EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND
	X		51.000	TO	51.500	---	100	---	0
	X		51.500	TO	52.000	---	100	---	0
	X		52.000	TO	52.500	---	150	---	3
	X		52.500	TO	53.000	---	100	---	6
	X		53.000	TO	53.500	---	150	---	3
	X		53.500	TO	54.000	---	100	---	6
	X		54.000	TO	54.500	---	100	---	9
	X		54.500	TO	54.848	---	50	---	12
	X		LYON SUBTOTALS:			---	850	---	39
	X		MOT IMPACTS:			---	100	---	10
	X		LYON TOTALS:			---	950	---	49
X			54.848	TO	55.000	---	50	---	3
X			55.000	TO	55.500	---	100	---	36
X			55.500	TO	56.000	---	100	---	57
X			56.000	TO	56.500	---	100	---	33
X			56.500	TO	57.000	---	150	---	36
X			57.000	TO	57.461	---	50	---	21
X			CALDWELL SUBTOTALS:			---	550	---	186
X			MOT IMPACTS:			---	100	---	30
X			CALDWELL TOTALS:			---	650	---	216
		X	57.461	TO	57.500	---	50	---	3
		X	57.500	TO	58.000	---	150	---	30
		X	58.000	TO	58.500	---	100	---	66
		X	58.500	TO	59.000	---	250	---	135
		X	59.000	TO	59.500	---	300	---	138
		X	59.500	TO	60.000	---	250	---	114
		X	60.000	TO	60.500	---	450	---	141
		X	60.500	TO	61.000	---	300	---	144
		X	61.000	TO	61.500	---	200	---	138
		X	61.500	TO	62.000	---	---	---	96
		X	62.000	TO	62.500	---	---	---	105
		X	62.500	TO	63.000	---	---	---	66
		X	63.000	TO	63.500	---	---	---	63
		X	63.500	TO	64.000	---	---	---	36
		X	64.000	TO	64.500	---	---	---	27
		X	64.500	TO	65.000	250	---	69	24
		X	65.000	TO	65.500	---	---	12	24
		X	65.500	TO	66.000	---	---	9	33
		X	66.000	TO	66.500	---	---	6	36
		X	66.500	TO	67.000	---	---	9	27

SCHEDULE AND SUMMARY OF PAVEMENT REPAIRS									
I-24 - CALDWELL, LYON, AND TRIGG COUNTY									
COUNTY			MILEPOINT TO MILEPOINT			SLAB REPLACEMENT (SY)		PARTIAL DEPTH PATCHING - POLYMER MOD (CUFT)	
CALDWELL	LYON	TRIGG				EASTBOUND	WESTBOUND	EASTBOUND	WESTBOUND
		X	67.000	TO	67.500	---	---	12	36
		X	67.500	TO	68.000	---	---	12	33
		X	68.000	TO	68.500	---	---	6	42
		X	68.500	TO	69.000	---	---	9	30
		X	69.000	TO	69.500	---	---	12	24
		X	69.500	TO	69.830	---	---	6	18
		X	TRIGG SUBTOTALS:			250	2,050	162	1,629
		X	MOT IMPACTS:			----	200	----	200
		X	TRIGG TOTALS:			250	2,250	162	1,829
CALDWELL COUNTY TOTALS:						650		216	
LYON COUNTY TOTALS:						950		49	
TRIGG COUNTY TOTALS:						2,500		1,991	
PROJECT TOTALS:						4,100		2,256	

NOTES:

1. Locations and quantities of repairs are approximate and are based on review of pavement in July 2019. Actual locations and quantities will be determined by Engineer at time of construction.
2. Quantities shown for MOT impacts are an estimate of potential impacts to westbound pavement from MP 51.7 to MP 64.7 during Phase 1 and Phase 2 construction.
3. Quantities carried over and included on General Summary.

SCHEDULE AND SUMMARY OF DRAINAGE REPAIRS									
I-24 - CALDWELL, LYON, AND TRIGG COUNTY									
LOCATION						ITEM			
COUNTY			DIRECTION	STATIONS	MILEPOINTS	NOTE	SQ. YD.	TON	EACH
CALDWELL	LYON	TRIGG					REMOVE PAVED DITCH	CHANNEL LINING CLASS II	REPLACE GRATE
							02165	02483	20366NN
	X		EB	3952+06	51.735	3			1
X			EB	4129+28	55.092	3			1
X			EB	4165+91	55.785	2			1
		X	WB	4293+11	58.195	3			1
		X	WB	4571+59	63.469	3			1
		X	WB	4626+66 TO 4627+36	64.511 TO 64.524		61	11	
		X	EB	4631+83 TO 4633+77	64.609 TO 64.646		153	28	
		X	WB	4632+62 TO 4633+58	64.624 TO 64.623		79	14	
		X	WB	4648+50 TO 4649+40	64.925 TO 64.942		70	13	
		X	EB	4652+58 TO 4655+19	65.002 TO 65.052		204	37	
		X	EB	4697+21 TO 4697+90	66.278 TO 66.291		93	17	
		X	EB	4703+87 TO 4710+71	66.404 TO 66.534		564	102	
		X	WB	4704+03 TO 4710+67	66.407 TO 66.533		517	93	
		X	EB	4711+19 TO 4712+87	66.543 TO 66.575		131	24	
		X	WB	4713+68 TO 4727+24	66.590 TO 66.847		1208	217	
		X	EB	4715+97 TO 4722+85	66.633 TO 66.764		619	111	
		X	WB	4734+15 TO 4740+41	66.976 TO 67.096		572	103	
		X	WB	4741+78 TO 4741+89	67.122 TO 67.124		48	9	
		X	EB	4747+80 TO 4750+70	67.236 TO 67.291		227	41	
		X	WB	4748+20 TO 4750+42	67.244 TO 67.286		174	31	
		X	EB	4751+85 TO 4754+72	67.313 TO 67.367		226	41	
		X	WB	4763+22	67.529		42	8	
		X	EB	4773+04 TO 4777+78	67.714 TO 67.804		373	67	
		X	WB	4776+14 TO 4778+41	67.773 TO 67.816		175	32	
		X	EB	4792+64 TO 4793+75	68.086 TO 68.107		100	18	
		X	WB	4792+88 TO 4793+74	68.090 TO 68.106		87	16	
		X	EB	4798+53 TO 4802+16	68.197 TO 68.266		292	53	
		X	WB	4799+74 TO 4803+12	68.220 TO 68.284		285	51	
		X	EB	4802+62 TO 4807+68	68.275 TO 68.370		401	72	
		X	WB	4803+86 TO 4808+09	68.298 TO 68.378		348	63	
		X	WB	4855+53 TO 4856+10	69.277 TO 69.288		67	12	
		X	WB	4857+76 TO 4859+18	69.319 TO 69.346		117	21	
		X	WB	4863+75 TO 4867+35	69.432 TO 69.500		291	52	
		X	WB	4867+51 TO 4869+00	69.504 TO 69.532		124	22	
		X	EB	4869+35 TO 4871+65	69.538 TO 69.582		184	33	

SCHEDULE AND SUMMARY OF DRAINAGE REPAIRS									
I-24 - CALDWELL, LYON, AND TRIGG COUNTY									
LOCATION						ITEM			
COUNTY			DIRECTION	STATIONS	MILEPOINTS	NOTE	SQ. YD.	TON	EACH
CALDWELL	LYON	TRIGG					REMOVE PAVED DITCH	CHANNEL LINING CLASS II	REPLACE GRATE
							02165	02483	20366NN
		X	EB	4872+03 TO 4873+48	69.589 TO 69.617		135	24	
		X	WB	4880+94 TO 4882+44	69.758 TO 69.786		131	24	
CALDWELL COUNTY TOTALS:							0	0	2
LYON COUNTY TOTALS:							0	0	1
TRIGG COUNTY TOTALS:							8,097	1,458	2
PROJECT TOTALS:							8,097	1,458	5

NOTES:

1. Quantities are carried over and included in General Summary.
2. DBI opening dimension is 48" x 41". Actual size to be determined by the Contractor.
3. DBI opening dimension is 36" x 41". Actual size to be determined by the Contractor.

SCHEDULE AND SUMMARY OF EROSION REPAIRS											
I-24 - CALDWELL, LYON, AND TRIGG COUNTY											
LOCATION						ITEM					
COUNTY			DIRECTION	STATIONS	MILEPOINTS	SHOULDER AND FILL SLOPE EROSION REPAIR					
CALDWELL	LYON	TRIGG				LIN. FT.	EACH		TON		
						DITCHING AND SHLD. (SPECIAL)	CONCRETE WEDGE CURB	FLUME INLET TYPE 1	FLUME INLET TYPE 2	CRUSHED AGGREGATE SIZE NO 2	CHANNEL LINING CLASS II
						02575	22883 EN	01690	01691	00078	02483
		X	WB	4357+95 TO 4369+08	59.423 TO 59.633	1106	1106			339	20
		X	WB	4359+12	59.445			1			23
		X	WB	4364+08	59.539				1		11
		X	WB	4397+59 TO 4403+88	60.173 TO 60.292	629	629			129	10
		X	WB	4402+64	60.269			1			15
		X	EB	4405+91 TO 4410+54	60.331 TO 60.419	463	463			83	8
		X	EB	4406+02	60.333				1		29
CALDWELL COUNTY TOTALS:						0	0	0	0	0	0
LYON COUNTY TOTALS:						0	0	0	0	0	0
TRIGG COUNTY TOTALS:						2,198	2,198	2	2	551	117
PROJECT TOTALS:						2,198	2,198	2	2	551	117

NOTES:

1. Quantities are carried over and included in General Summary.
2. A quantity of Channel Lining Class II has been included for outlets of flumes and filling deeply eroded areas.
3. Crushed stone aggregate No. 2 estimated at 2.07 tons per cubic yard.
4. Ditching and Shouldering (Special) includes all excavation and backfill, as shown in Shoulder and Fill Slope Repair Detail.

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN															
I-24 - CALDWELL, LYON, AND TRIGG COUNTY															
COUNTY	CALDWELL	LYON	TRIGG	INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL				
						MP 51.886 TO MP 64.500			PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH				
						STATION	MILEPOINT				TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)	
									01000	03383	01020	01024	01028	01032	
	X		X			3960+03 TO 3962+00	51.886 TO 51.923		197						
	X			X		3960+03 TO 3962+00	51.886 TO 51.923	2	197	59					1
	X		X			3962+00 TO 3965+00	51.923 TO 51.980		300						
	X			X		3962+00 TO 3965+00	51.923 TO 51.980	2	300	60				1	
	X		X			3965+00 TO 3968+00	51.980 TO 52.037		300						
	X			X		3965+00 TO 3968+00	51.980 TO 52.037	2	300	54				1	
	X		X			3968+00 TO 3971+00	52.037 TO 52.094		300						
	X			X		3968+00 TO 3971+00	52.037 TO 52.094	2	300	57					1
	X		X			3971+00 TO 3974+00	52.094 TO 52.151		300						
	X			X		3971+00 TO 3974+00	52.094 TO 52.151	2	300	54				1	
	X		X			3974+00 TO 3977+00	52.151 TO 52.208		300						
	X			X		3974+00 TO 3977+00	52.151 TO 52.208	2	300	54				1	
	X		X			3977+00 TO 3980+00	52.208 TO 52.264		300						
	X			X		3977+00 TO 3980+00	52.208 TO 52.264	2	300	51				1	
	X		X			3980+00 TO 3983+00	52.264 TO 52.321		300						
	X			X		3980+00 TO 3983+00	52.264 TO 52.321	2	300	51				1	
	X		X			3983+00 TO 3986+00	52.321 TO 52.378		300						
	X			X		3983+00 TO 3986+00	52.321 TO 52.378	2	300	54				1	
	X		X			3986+00 TO 3989+00	52.378 TO 52.435		300						
	X			X		3986+00 TO 3989+00	52.378 TO 52.435	2	300	54				1	
	X		X			3989+00 TO 3992+00	52.435 TO 52.492		300						
	X			X		3989+00 TO 3992+00	52.435 TO 52.492	2	300	54				1	
	X		X			3992+00 TO 3997+00	52.492 TO 52.586		500						
	X			X		3992+00 TO 3997+00	52.492 TO 52.586	2	500	54				1	
	X		X			3997+00 TO 4000+00	52.586 TO 52.643		300						
	X			X		3997+00 TO 4000+00	52.586 TO 52.643	2	300	54				1	
	X		X			4000+00 TO 4003+00	52.643 TO 52.700		300						
	X			X		4000+00 TO 4003+00	52.643 TO 52.700	2	300	54				1	
	X		X			4003+00 TO 4006+00	52.700 TO 52.757		300						
	X			X		4003+00 TO 4006+00	52.700 TO 52.757	2	300	54				1	
	X		X			4006+00 TO 4009+00	52.757 TO 52.814		300						
	X			X		4006+00 TO 4009+00	52.757 TO 52.814	2	300	54				1	
	X		X			4009+00 TO 4012+00	52.814 TO 52.870		300						
	X			X		4009+00 TO 4012+00	52.814 TO 52.870	2	300	51				1	
	X		X			4012+00 TO 4015+00	52.870 TO 52.927		300						

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN													
I-24 - CALDWELL, LYON, AND TRIGG COUNTY													
COUNTY			INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL			
CALDWELL	LYON	TRIGG			STATION	MILEPOINT		PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
										TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
					01000	03383	01020	01024	01028	01032			
X			X	4012+00 TO 4015+00	52.870 TO 52.927	2	300	51			1		
X	X			4015+00 TO 4018+00	52.927 TO 52.984		300						
X			X	4015+00 TO 4018+00	52.927 TO 52.984	2	300	57				1	
X	X			4018+00 TO 4021+00	52.984 TO 53.041		300						
X			X	4018+00 TO 4021+00	52.984 TO 53.041	2	300	57				1	
X	X			4021+00 TO 4024+00	53.041 TO 53.098		300						
X			X	4021+00 TO 4024+00	53.041 TO 53.098	2	300	57				1	
X	X			4024+00 TO 4027+00	53.098 TO 53.155		300						
X			X	4024+00 TO 4027+00	53.098 TO 53.155	2	300	54			1		
X	X			4027+00 TO 4030+00	53.155 TO 53.211		300						
X			X	4027+00 TO 4030+00	53.155 TO 53.211	2	300	54			1		
X	X			4030+00 TO 4033+00	53.211 TO 53.268		300						
X			X	4030+00 TO 4033+00	53.211 TO 53.268	2	300	54				1	
X	X			4033+00 TO 4036+00	53.268 TO 53.325		300						
X			X	4033+00 TO 4036+00	53.268 TO 53.325	2	300	54				1	
X	X			4036+00 TO 4039+00	53.325 TO 53.382		300						
X			X	4036+00 TO 4039+00	53.325 TO 53.382	2	300	54				1	
X	X			4039+00 TO 4040+42	53.382 TO 53.409		142						
X			X	4039+00 TO 4040+42	53.382 TO 53.409	2	142	50		1			
X			X	4040+42	53.409	2		50	1				
X	X			4042+35 TO 4044+50	53.445 TO 53.486		215						
X			X	4042+35 TO 4044+50	53.445 TO 53.486	2	215	90				1	
X	X			4044+50 TO 4046+00	53.486 TO 53.514		150						
X			X	4044+50 TO 4046+00	53.486 TO 53.514	2	150	50	1				
X	X			4046+00 TO 4049+00	53.514 TO 53.571		300						
X			X	4046+00 TO 4049+00	53.514 TO 53.571	2	300	54				1	
X	X			4049+00 TO 4052+00	53.571 TO 53.628		300						
X			X	4049+00 TO 4052+00	53.571 TO 53.628	2	300	54				1	
X	X			4052+00 TO 4055+00	53.628 TO 53.685		300						
X			X	4052+00 TO 4055+00	53.628 TO 53.685	2	300	60				1	
X	X			4055+00 TO 4058+00	53.685 TO 53.742		300						
X			X	4055+00 TO 4058+00	53.685 TO 53.742	2	300	54			1		
X	X			4058+00 TO 4061+00	53.742 TO 53.798		300						
X			X	4058+00 TO 4061+00	53.742 TO 53.798	2	300	58				1	
X	X			4061+00 TO 4064+00	53.798 TO 53.855		300						

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN															
I-24 - CALDWELL, LYON, AND TRIGG COUNTY															
COUNTY	CALDWELL	LYON	TRIGG	INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL				
						MP 51.886 TO MP 64.500			PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH				
						STATION	MILEPOINT				TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)	
									01000	03383	01020	01024	01028	01032	
	X					4061+00 TO 4064+00	53.798 TO 53.855	2	300	85				1	
	X			X		4064+00 TO 4067+00	53.855 TO 53.912		300						
	X				X	4064+00 TO 4067+00	53.855 TO 53.912	2	300	51				1	
	X			X		4067+00 TO 4072+00	53.912 TO 54.007		500						
	X				X	4067+00 TO 4072+00	53.912 TO 54.007	2	500	60					1
	X			X		4072+00 TO 4074+00	54.007 TO 54.045		200						
	X				X	4072+00 TO 4074+00	54.007 TO 54.045	2	200	58					1
	X			X		4074+00 TO 4076+50	54.045 TO 54.092		250						
	X				X	4074+00 TO 4076+50	54.045 TO 54.092	2	250	55					1
	X			X		4076+50 TO 4080+50	54.092 TO 54.168		400						
	X				X	4076+50 TO 4080+50	54.092 TO 54.168	2	400	55					1
	X			X		4080+50 TO 4083+50	54.168 TO 54.225		300						
	X				X	4080+50 TO 4083+50	54.168 TO 54.225	2	300	70					1
	X			X		4083+50 TO 4086+50	54.225 TO 54.281		300						
	X				X	4083+50 TO 4086+50	54.225 TO 54.281	2	300	61					1
	X			X		4086+50 TO 4089+50	54.281 TO 54.338		300						
	X				X	4086+50 TO 4089+50	54.281 TO 54.338	2	300	54					1
	X			X		4089+50 TO 4094+00	54.338 TO 54.423		450						
	X				X	4089+50 TO 4094+00	54.338 TO 54.423	2	450	54					1
	X			X		4094+00 TO 4097+00	54.423 TO 54.480		300						
	X				X	4094+00 TO 4097+00	54.423 TO 54.480	2	300	54					1
	X			X		4097+00 TO 4100+00	54.480 TO 54.537		300						
	X				X	4097+00 TO 4100+00	54.480 TO 54.537	2	300	54					1
	X			X		4100+00 TO 4103+00	54.537 TO 54.594		300						
	X				X	4100+00 TO 4103+00	54.537 TO 54.594	2	300	57					1
	X			X		4103+00 TO 4105+03	54.594 TO 54.632		203						
	X				X	4103+00 TO 4105+03	54.594 TO 54.632	2	203	54				1	
	X			X		4105+03 TO 4108+00	54.632 TO 54.689		297						
	X				X	4105+03 TO 4108+00	54.632 TO 54.689	2	297	54				1	
	X			X		4108+00 TO 4111+00	54.689 TO 54.745		300						
	X				X	4108+00 TO 4111+00	54.689 TO 54.745	2	300	59				1	
	X			X		4111+00 TO 4114+00	54.745 TO 54.802		300						
	X				X	4111+00 TO 4114+00	54.745 TO 54.802	2	300	57					1
	X			X		4114+00 TO 4117+00	54.802 TO 54.859		300						
	X				X	4114+00 TO 4117+00	54.802 TO 54.859	2	300	54				1	

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN														
I-24 - CALDWELL, LYON, AND TRIGG COUNTY														
COUNTY	CALDWELL	LYON	TRIGG	INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL			
						STATION	MILEPOINT		PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
											TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
								01000	03383	01020	01024	01028	01032	
	X			X		4117+00 TO 4120+00	54.859 TO 54.916		300					
	X				X	4117+00 TO 4120+00	54.859 TO 54.916	2	300	57				1
	X			X		4120+00 TO 4123+00	54.916 TO 54.973		300					
	X				X	4120+00 TO 4123+00	54.916 TO 54.973	2	300	54			1	
X				X		4123+00 TO 4126+00	54.973 TO 55.030		300					
X					X	4123+00 TO 4126+00	54.973 TO 55.030	2	300	61				1
X				X		4126+00 TO 4128+50	55.030 TO 55.077		250					
X					X	4126+00 TO 4128+50	55.030 TO 55.077	2	250	54			1	
X				X		4128+50 TO 4131+00	55.077 TO 55.124		250					
X					X	4128+50 TO 4131+00	55.077 TO 55.124	2	250	58				1
X				X		4131+00 TO 4134+00	55.124 TO 55.181		300					
X					X	4131+00 TO 4134+00	55.124 TO 55.181	2	300	58				1
X				X		4134+00 TO 4137+00	55.181 TO 55.238		300					
X					X	4134+00 TO 4137+00	55.181 TO 55.238	2	300	58				1
X				X		4137+00 TO 4139+00	55.238 TO 55.276		200					
X					X	4137+00 TO 4139+00	55.238 TO 55.276	2	200	54			1	
X				X		4139+00 TO 4141+00	55.276 TO 55.314		200					
X					X	4139+00 TO 4141+00	55.276 TO 55.314	2	200	58				1
X				X		4181+00 TO 4184+00	56.071 TO 56.128		300					
X					X	4181+00 TO 4184+00	56.071 TO 56.128		300	60				1
X				X		4184+00 TO 4187+00	56.128 TO 56.185		300					
X					X	4184+00 TO 4187+00	56.128 TO 56.185	2	300	49				1
X				X		4187+00 TO 4190+00	56.185 TO 56.242		300					
X					X	4187+00 TO 4190+00	56.185 TO 56.242	2	300	50				1
X				X		4190+00 TO 4193+00	56.242 TO 56.298		300					
X					X	4190+00 TO 4193+00	56.242 TO 56.298	2	300	50				1
X				X		4193+00 TO 4196+00	56.298 TO 56.355		300					
X					X	4193+00 TO 4196+00	56.298 TO 56.355	2	300	90				1
X				X		4196+00 TO 4199+00	56.355 TO 56.412		300					
X					X	4196+00 TO 4199+00	56.355 TO 56.412	2	300	90				1
X				X		4199+00 TO 4202+00	56.412 TO 56.469		300					
X					X	4199+00 TO 4202+00	56.412 TO 56.469	2	300	90				1
X				X		4202+00 TO 4204+63	56.469 TO 56.519		263					
X					X	4202+00 TO 4204+63	56.469 TO 56.519	2	263	51				1
X				X		4204+63 TO 4206+00	56.519 TO 56.545		137					

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN													
I-24 - CALDWELL, LYON, AND TRIGG COUNTY													
COUNTY			INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL			
CALDWELL	LYON	TRIGG			STATION	MILEPOINT		PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
										TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
					01000	03383	01020	01024	01028	01032			
X			X	4204+63 TO 4207+00	56.519 TO 56.564	2	237	54			1		
X			X	4207+00 TO 4210+00	56.564 TO 56.620	2	300	22			1		
X			X	4210+00 TO 4213+00	56.620 TO 56.677	2	300	25				1	
X			X	4213+00 TO 4216+00	56.677 TO 56.734	2	300	25				1	
X			X	4216+00 TO 4219+00	56.734 TO 56.791	2	300	22			1		
X			X	4219+00 TO 4222+00	56.791 TO 56.848	2	300	22			1		
X			X	4222+00 TO 4225+00	56.848 TO 56.905	2	300	22			1		
X			X	4225+00 TO 4228+00	56.905 TO 56.961	2	300	25				1	
X			X	4228+00 TO 4231+00	56.961 TO 57.018	2	300	22			1		
X			X	4231+00 TO 4234+00	57.018 TO 57.075	2	300	25				1	
X		X		4234+00 TO 4236+00	57.075 TO 57.113	2	200	43				1	
X			X	4234+00 TO 4236+00	57.075 TO 57.113		200						
X		X		4236+00 TO 4239+00	57.113 TO 57.170	2	300	43			1		
X			X	4236+00 TO 4239+00	57.113 TO 57.170		300						
X		X		4239+00 TO 4242+00	57.170 TO 57.227	2	300	50				1	
X			X	4239+00 TO 4242+00	57.170 TO 57.227		300						
X		X		4242+00 TO 4245+00	57.227 TO 57.283	2	300	50				1	
X			X	4242+00 TO 4245+00	57.227 TO 57.283		300						
X		X		4245+00 TO 4247+50	57.283 TO 57.331	2	250	50				1	
X			X	4245+00 TO 4247+50	57.283 TO 57.331		250						
X		X		4247+50 TO 4250+50	57.331 TO 57.388	2	300	50				1	
X			X	4247+50 TO 4250+50	57.331 TO 57.388		300						
X		X		4250+50 TO 4253+50	57.388 TO 57.444	2	300	50				1	
X			X	4250+50 TO 4253+50	57.388 TO 57.444		300						
X		X		4253+50 TO 4256+50	57.444 TO 57.501		300						
X			X	4253+50 TO 4256+50	57.444 TO 57.501	2	300	50				1	
X		X		4256+50 TO 4259+00	57.501 TO 57.548		250						
X			X	4256+50 TO 4259+00	57.501 TO 57.548	2	250	50				1	
X		X		4259+00 TO 4262+00	57.548 TO 57.605		300						
X			X	4259+00 TO 4262+00	57.548 TO 57.605	2	300	50				1	
X		X		4262+00 TO 4263+50	57.605 TO 57.634		150						
X			X	4262+00 TO 4263+50	57.605 TO 57.634	2	150	53				1	
X		X		4263+50 TO 4266+50	57.634 TO 57.691		300						
X			X	4263+50 TO 4266+50	57.634 TO 57.691	2	300	50				1	
X		X		4266+50 TO 4269+50	57.691 TO 57.747		300						

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN													
I-24 - CALDWELL, LYON, AND TRIGG COUNTY													
COUNTY		INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500			NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL			
CALDWELL	LYON			TRIGG	STATION	MILEPOINT		PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
										TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
					01000	03383	01020	01024	01028	01032			
X			X	4266+50 TO 4269+00	57.691 TO 57.738	2	250	50				1	
X			X	4269+00 TO 4271+00	57.738 TO 57.776	2	200	30				1	
X		X		4269+50 TO 4271+00	57.747 TO 57.776	2	150	28				1	
X		X		4271+00 TO 4273+00	57.776 TO 57.814	2	200	55				1	
X			X	4271+00 TO 4273+00	57.776 TO 57.814		200						
X			X	4273+00 TO 4276+00	57.814 TO 57.870		300						
X			X	4273+00 TO 4276+00	57.814 TO 57.870	2	300	50				1	
X			X	4276+00 TO 4279+00	57.870 TO 57.927		300						
X			X	4276+00 TO 4279+00	57.870 TO 57.927	2	300	50				1	
X			X	4279+00 TO 4282+00	57.927 TO 57.984		300						
X			X	4279+00 TO 4282+00	57.927 TO 57.984	2	300	50				1	
X			X	4282+00 TO 4284+50	57.984 TO 58.031		250						
X			X	4282+00 TO 4284+50	57.984 TO 58.031		250	90				1	
X		X		4284+50 TO 4287+00	58.031 TO 58.079		250						
X			X	4284+50 TO 4287+00	58.031 TO 58.079	2	250	54				1	
X		X		4287+00 TO 4290+00	58.079 TO 58.136		300						
X			X	4287+00 TO 4290+00	58.079 TO 58.136	2	300	54				1	
	X	X		4290+00 TO 4293+00	58.136 TO 58.192		300						
	X		X	4290+00 TO 4293+00	58.136 TO 58.192	2	300	54				1	
	X	X		4293+00 TO 4296+00	58.192 TO 58.249		300						
	X		X	4293+00 TO 4296+00	58.192 TO 58.249	2	300	54				1	
	X		X	4296+00	58.249	2		54				1	
	X	X		4296+00 TO 4299+00	58.249 TO 58.306		300						
	X	X		4299+00 TO 4302+00	58.306 TO 58.363	2	300	28				1	
	X	X		4302+00 TO 4305+00	58.363 TO 58.420	2	300	28				1	
	X	X		4305+00 TO 4308+00	58.420 TO 58.477	2	300	28				1	
	X	X		4308+00 TO 4311+00	58.477 TO 58.533	2	300	28				1	
	X	X		4311+00 TO 4314+00	58.533 TO 58.590	2	300	25				1	
	X	X		4314+00 TO 4317+00	58.590 TO 58.647	2	300	25				1	
	X	X		4317+00 TO 4318+50	58.647 TO 58.675	2	150	25				1	
	X	X		4318+50 TO 4321+00	58.675 TO 58.723	2	250	31				1	
	X	X		4321+00 TO 4325+00	58.723 TO 58.798		400						
	X		X	4321+00 TO 4325+00	58.723 TO 58.798	2	400	71				1	
	X	X		4325+00 TO 4328+00	58.798 TO 58.855		300						
	X		X	4325+00 TO 4328+00	58.798 TO 58.855	2	300	69				1	

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN														
I-24 - CALDWELL, LYON, AND TRIGG COUNTY														
COUNTY	C	L	T	INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL			
						STATION	MILEPOINT		PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
CALDWELL	LYON	TRIGG									TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
									01000	03383	01020	01024	01028	01032
		X	X			4328+00 TO 4330+50	58.855 TO 58.903		250					
		X		X		4328+00 TO 4330+50	58.855 TO 58.903	2	250	69				
		X	X			4330+50 TO 4333+00	58.903 TO 58.950	2	250	70				1
		X		X		4330+50 TO 4333+00	58.903 TO 58.950		250					
		X	X			4333+00 TO 4336+00	58.950 TO 59.007	2	300	70				1
		X		X		4333+00 TO 4336+00	58.950 TO 59.007		300					
		X	X			4336+00 TO 4338+00	59.007 TO 59.045		200					
		X		X		4336+00 TO 4338+00	59.007 TO 59.045	2	200	80				1
		X	X			4338+00 TO 4341+00	59.045 TO 59.102		300					
		X		X		4338+00 TO 4341+00	59.045 TO 59.102	2	300	65				1
		X	X			4341+00 TO 4344+00	59.102 TO 59.158		300					
		X		X		4341+00 TO 4344+00	59.102 TO 59.158	2	300	60				1
		X	X			4344+00 TO 4347+00	59.158 TO 59.215		300					
		X		X		4344+00 TO 4347+00	59.158 TO 59.215	2	300	90				1
		X	X			4347+00 TO 4350+00	59.215 TO 59.272		300					
		X		X		4347+00 TO 4350+00	59.215 TO 59.272	2	300	90				1
		X	X			4350+00 TO 4353+00	59.272 TO 59.329		300					
		X		X		4350+00 TO 4353+00	59.272 TO 59.329	2	300	90				1
		X	X			4353+00 TO 4355+00	59.329 TO 59.367		200					
		X		X		4353+00 TO 4355+00	59.329 TO 59.367	2	200	90				1
		X	X			4355+00 TO 4358+00	59.367 TO 59.423		300					
		X		X		4355+00 TO 4358+00	59.367 TO 59.423	2	300	90				1
		X	X			4358+00 TO 4359+10	59.423 TO 59.444		110					
		X		X		4358+00 TO 4359+10	59.423 TO 59.444	2	110	90				1
		X	X			4359+10 TO 4362+00	59.444 TO 59.499		290					
		X		X		4359+10 TO 4362+00	59.444 TO 59.499	2	290	64				1
		X	X			4362+00 TO 4365+00	59.499 TO 59.556		300					
		X		X		4362+00 TO 4365+00	59.499 TO 59.556	2	300	58			1	
		X	X			4365+00 TO 4368+00	59.556 TO 59.613		300					
		X		X		4365+00 TO 4368+00	59.556 TO 59.613	2	300	58				1
		X	X			4368+00 TO 4370+50	59.613 TO 59.660		250					
		X		X		4368+00 TO 4370+50	59.613 TO 59.660	2	250	64				1
		X	X			4370+50 TO 4373+50	59.660 TO 59.717		300					
		X		X		4370+50 TO 4373+50	59.660 TO 59.717	2	300	90				1
		X	X			4373+50 TO 4379+00	59.717 TO 59.821		550					

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN													
I-24 - CALDWELL, LYON, AND TRIGG COUNTY													
COUNTY		INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL				
CALDWELL	LYON			TRIGG	STATION		MILEPOINT	PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
										TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
					01000	03383	01020	01024	01028	01032			
		X	X	4373+50 TO 4379+00	59.717 TO 59.821	2	550	90				1	
		X	X	4379+00 TO 4382+00	59.821 TO 59.878		300						
		X	X	4379+00 TO 4382+00	59.821 TO 59.878	2	300	80				1	
		X	X	4382+00 TO 4385+00	59.878 TO 59.935		300						
		X	X	4382+00 TO 4385+00	59.878 TO 59.935	2	300	80				1	
		X	X	4385+00 TO 4388+00	59.935 TO 59.992		300						
		X	X	4385+00 TO 4388+00	59.935 TO 59.992	2	300	80				1	
		X	X	4388+00 TO 4391+00	59.992 TO 60.048		300						
		X	X	4388+00 TO 4391+00	59.992 TO 60.048	2	300	90				1	
		X	X	4391+00 TO 4394+00	60.048 TO 60.105		300						
		X	X	4391+00 TO 4394+00	60.048 TO 60.105	2	300	90				1	
		X	X	4394+00 TO 4397+00	60.105 TO 60.162		300						
		X	X	4394+00 TO 4397+00	60.105 TO 60.162	2	300	90				1	
		X	X	4397+00 TO 4400+00	60.162 TO 60.219		300						
		X	X	4397+00 TO 4400+00	60.162 TO 60.219	2	300	90				1	
		X	X	4400+00 TO 4402+91	60.219 TO 60.274		291						
		X	X	4400+00 TO 4402+60	60.219 TO 60.268	2	260	90		1		1	
		X	X	4402+60	60.268	2		29	1				
		X	X	4402+91	60.274	2		27			1		
		X	X	4406+30 TO 4408+50	60.338 TO 60.380	2	220	60	1				
		X	X	4406+43 TO 4408+50	60.341 TO 60.380		207						
		X	X	4408+50 TO 4411+00	60.380 TO 60.427		250						
		X	X	4408+50 TO 4411+00	60.380 TO 60.427	2	250	60	1				
		X	X	4411+00 TO 4412+75	60.427 TO 60.460		175						
		X	X	4411+00 TO 4412+75	60.427 TO 60.460	2	175	65				1	
		X	X	4412+75 TO 4416+75	60.460 TO 60.536		400						
		X	X	4412+75 TO 4416+75	60.460 TO 60.536	2	400	90				1	
		X	X	4416+75 TO 4419+75	60.536 TO 60.593		300						
		X	X	4416+75 TO 4419+75	60.536 TO 60.593	2	300	90				1	
		X	X	4419+75 TO 4425+00	60.593 TO 60.692		525						
		X	X	4419+75 TO 4425+00	60.593 TO 60.692	2	525	90				1	
		X	X	4425+00 TO 4428+00	60.692 TO 60.749		300						
		X	X	4425+00 TO 4428+00	60.692 TO 60.749	2	300	58				1	
		X	X	4428+00 TO 4431+00	60.749 TO 60.806		300						
		X	X	4428+00 TO 4431+00	60.749 TO 60.806	2	300	54				1	

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN													
I-24 - CALDWELL, LYON, AND TRIGG COUNTY													
COUNTY		INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL				
CALDWELL	LYON			TRIGG	STATION		MILEPOINT	PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
										TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
					01000	03383	01020	01024	01028	01032			
		X	X	4431+00 TO 4434+00	60.806 TO 60.863		300						
		X		X	4431+00 TO 4434+00	60.806 TO 60.863	2	300	60		1		
		X	X	4434+00 TO 4436+60	60.863 TO 60.912		260						
		X		X	4434+00 TO 4436+60	60.863 TO 60.912	2	260	90		1		
		X	X	4436+60 TO 4439+00	60.912 TO 60.958		240						
		X		X	4436+60 TO 4439+00	60.912 TO 60.958	2	240	90		1		
		X	X	4439+00 TO 4442+00	60.958 TO 61.014		300						
		X		X	4439+00 TO 4442+00	60.958 TO 61.014	2	300	90		1		
		X	X	4442+00 TO 4445+00	61.014 TO 61.071		300						
		X		X	4442+00 TO 4445+00	61.014 TO 61.071	2	300	70		1		
		X	X	4445+00 TO 4447+00	61.071 TO 61.109		200						
		X		X	4445+00 TO 4447+00	61.071 TO 61.109	2	200	75		1		
		X	X	4447+00 TO 4450+00	61.109 TO 61.166		300						
		X		X	4450+00	61.166	2		70		1		
		X	X	4450+00 TO 4453+00	61.166 TO 61.223		300						
		X		X	4453+00	61.223	2		73		1		
		X	X	4453+00 TO 4454+50	61.223 TO 61.251		150						
		X	X	4454+50 TO 4457+50	61.251 TO 61.308		300						
		X		X	4454+50 TO 4457+50	61.251 TO 61.308	2	300	90		1		
		X	X	4457+50 TO 4460+50	61.308 TO 61.365		300						
		X		X	4457+50 TO 4460+50	61.308 TO 61.365	2	300	77		1		
		X	X	4460+50 TO 4463+50	61.365 TO 61.422		300						
		X		X	4460+50 TO 4463+50	61.365 TO 61.422	2	300	70		1		
		X	X	4463+50 TO 4466+50	61.422 TO 61.478		300						
		X		X	4463+50 TO 4466+50	61.422 TO 61.478	2	300	90		1		
		X	X	4466+50 TO 4469+50	61.478 TO 61.535		300						
		X		X	4466+50 TO 4469+50	61.478 TO 61.535	2	300	90		1		
		X	X	4469+50 TO 4472+50	61.535 TO 61.592		300						
		X		X	4469+50 TO 4472+50	61.535 TO 61.592	2	300	90		1		
		X	X	4472+50 TO 4475+50	61.592 TO 61.649		300						
		X		X	4472+50 TO 4475+50	61.592 TO 61.649	2	300	90		1		
		X	X	4475+50 TO 4479+50	61.649 TO 61.725		400						
		X		X	4475+50 TO 4479+50	61.649 TO 61.725	2	400	76		1		
		X	X	4479+50 TO 4482+50	61.725 TO 61.781		300						
		X		X	4479+50 TO 4482+50	61.725 TO 61.781	2	300	70		1		

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN													
I-24 - CALDWELL, LYON, AND TRIGG COUNTY													
COUNTY		INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL				
CALDWELL	LYON			TRIGG	STATION		MILEPOINT	PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
										TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
					01000	03383	01020	01024	01028	01032			
		X	X	4482+50 TO 4485+50	61.781 TO 61.838		300						
		X		4482+50 TO 4485+50	61.781 TO 61.838	2	300	69			1		
		X	X	4485+50 TO 4488+50	61.838 TO 61.895		300						
		X		4485+50 TO 4488+50	61.838 TO 61.895	2	300	67			1		
		X	X	4488+50 TO 4491+50	61.895 TO 61.952		300						
		X		4488+50 TO 4491+50	61.895 TO 61.952	2	300	70			1		
		X	X	4491+50 TO 4494+50	61.952 TO 62.009		300						
		X		4491+50 TO 4494+50	61.952 TO 62.009	2	300	71			1		
		X	X	4494+50 TO 4497+00	62.009 TO 62.056		250						
		X		4494+50 TO 4497+00	62.009 TO 62.056	2	250	77			1		
		X	X	4497+00 TO 4498+07	62.056 TO 62.076		107						
		X		4497+00 TO 4498+07	62.056 TO 62.076	2	107	80			1		
		X	X	4498+07 TO 4501+00	62.076 TO 62.132		293						
		X		4498+07 TO 4501+00	62.076 TO 62.132	2	293	72			1		
		X	X	4501+00 TO 4504+00	62.132 TO 62.189		300						
		X		4501+00 TO 4504+00	62.132 TO 62.189	2	300	64			1		
		X	X	4504+00 TO 4507+00	62.189 TO 62.245		300						
		X		4504+00 TO 4507+00	62.189 TO 62.245	2	300	90			1		
		X	X	4507+00 TO 4510+00	62.245 TO 62.302		300						
		X		4507+00 TO 4510+00	62.245 TO 62.302	2	300	90			1		
		X	X	4510+00 TO 4513+00	62.302 TO 62.359		300						
		X		4510+00 TO 4513+00	62.302 TO 62.359	2	300	69			1		
		X	X	4513+00 TO 4516+00	62.359 TO 62.416		300						
		X		4513+00 TO 4516+00	62.359 TO 62.416	2	300	76			1		
		X	X	4516+00 TO 4517+00	62.416 TO 62.435		100						
		X		4516+00 TO 4519+00	62.416 TO 62.473	2	300	60			1		
		X	X	4519+00 TO 4522+00	62.473 TO 62.530	2	300	45			1		
		X		4522+00 TO 4525+00	62.530 TO 62.586	2	300	46			1		
		X	X	4525+00 TO 4528+00	62.586 TO 62.643	2	300	46			1		
		X		4528+00 TO 4531+00	62.643 TO 62.700	2	300	60			1		
		X	X	4531+00 TO 4534+00	62.700 TO 62.757	2	300	60		1			
		X	X	4532+00 TO 4534+00	62.719 TO 62.757		200						
		X	X	4534+00 TO 4537+00	62.757 TO 62.814		300						
		X		4534+00 TO 4537+00	62.757 TO 62.814	2	300	90			1		
		X	X	4537+00 TO 4540+00	62.814 TO 62.870		300						

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN													
I-24 - CALDWELL, LYON, AND TRIGG COUNTY													
COUNTY		INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL				
CALDWELL	LYON			TRIGG	STATION		MILEPOINT	PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH			
										TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)
					01000	03383	01020	01024	01028	01032			
		X	X	4537+00 TO 4540+00	62.814 TO 62.870	2	300	90				1	
		X	X	4540+00 TO 4543+00	62.870 TO 62.927		300						
		X	X	4540+00 TO 4543+00	62.870 TO 62.927	2	300	90				1	
		X	X	4543+00 TO 4546+00	62.927 TO 62.984		300						
		X	X	4543+00 TO 4546+00	62.927 TO 62.984	2	300	90				1	
		X	X	4546+00 TO 4549+00	62.984 TO 63.041		300						
		X	X	4546+00 TO 4549+00	62.984 TO 63.041	2	300	90				1	
		X	X	4549+00 TO 4552+00	63.041 TO 63.098		300						
		X	X	4549+00 TO 4552+00	63.041 TO 63.098	2	300	90				1	
		X	X	4552+00 TO 4558+00	63.098 TO 63.211		600						
		X	X	4552+00 TO 4558+00	63.098 TO 63.211	2	600	90				1	
		X	X	4558+00 TO 4561+00	63.211 TO 63.268		300						
		X	X	4558+00	63.211	2		90				1	
		X	X	4561+00 TO 4564+00	63.268 TO 63.325		300						
		X	X	4561+00	63.268	2		90				1	
		X	X	4564+00 TO 4567+00	63.325 TO 63.382		300						
		X	X	4564+00	63.325	2		90				1	
		X	X	4567+00 TO 4568+49	63.382 TO 63.410		149						
		X	X	4567+00	63.382	2		67				1	
		X	X	4568+49 TO 4571+00	63.410 TO 63.458		251						
		X	X	4568+49	63.410	2		76				1	
		X	X	4571+00 TO 4574+00	63.458 TO 63.514		300						
		X	X	4571+00 TO 4574+00	63.458 TO 63.514	2	300	90				1	
		X	X	4574+00 TO 4577+00	63.514 TO 63.571		300						
		X	X	4574+00 TO 4577+00	63.514 TO 63.571	2	300	90				1	
		X	X	4577+00 TO 4580+00	63.571 TO 63.628		300						
		X	X	4577+00 TO 4580+00	63.571 TO 63.628	2	300	90				1	
		X	X	4580+00 TO 4583+00	63.628 TO 63.685		300						
		X	X	4580+00 TO 4583+00	63.628 TO 63.685	2	300	90				1	
		X	X	4583+00 TO 4586+00	63.685 TO 63.742		300						
		X	X	4583+00 TO 4586+00	63.685 TO 63.742	2	300	90				1	
		X	X	4586+00 TO 4589+00	63.742 TO 63.798		300						
		X	X	4586+00 TO 4589+00	63.742 TO 63.798	2	300	67				1	
		X	X	4589+00 TO 4592+00	63.798 TO 63.855		300						
		X	X	4589+00 TO 4592+00	63.798 TO 63.855	2	300	62				1	

SCHEDULE AND SUMMARY OF PAVEMENT UNDERDRAIN												
I-24 - CALDWELL, LYON, AND TRIGG COUNTY												
COUNTY		INSIDE SHOULDER	OUTSIDE SHOULDER	EASTBOUND MP 51.886 TO MP 64.500		NOTES	LIN. FT.		4-INCH PERFORATED PIPE HEADWALL			
CALDWELL	LYON			TRIGG	STATION		MILEPOINT	PERFORATED PIPE 4 INCH	PVC PIPE 4 INCH	EACH		
								TYPE 1 (2:1)	TYPE 2 (3:1)	TYPE 3 (4:1)	TYPE 4 (6:1)	
							01000	03383	01020	01024	01028	01032
		X	X		4592+00 TO 4595+00	63.855 TO 63.912		300				
		X		X	4592+00 TO 4595+00	63.855 TO 63.912	2	300	90			1
		X	X		4595+00 TO 4596+00	63.912 TO 63.931		100				
		X		X	4595+00 TO 4596+00	63.912 TO 63.931	2	100	63			1
		X	X		4596+00 TO 4599+00	63.931 TO 63.988		300				
		X		X	4596+00 TO 4599+00	63.931 TO 63.988	2	300	74			1
		X	X		4599+00 TO 4602+00	63.988 TO 64.045		300				
		X		X	4599+00 TO 4602+00	63.988 TO 64.045	2	300	79			1
		X	X		4602+00 TO 4605+00	64.045 TO 64.102		300				
		X		X	4602+00 TO 4605+00	64.045 TO 64.102	2	300	90			1
		X	X		4605+00 TO 4608+00	64.102 TO 64.158		300				
		X		X	4605+00 TO 4608+00	64.102 TO 64.158	2	300	90			1
		X	X		4608+00 TO 4611+00	64.158 TO 64.215		300				
		X		X	4608+00 TO 4611+00	64.158 TO 64.215	2	300	60			1
		X		X	4611+00 TO 4614+00	64.215 TO 64.272	2	300	60			1
		X		X	4614+00 TO 4618+00	64.272 TO 64.348	2	400	60			1
		X		X	4618+00 TO 4621+00	64.348 TO 64.405	2	300	60			1
		X	X		4621+00 TO 4624+00	64.405 TO 64.461		300				
		X		X	4621+00 TO 4624+00	64.405 TO 64.461	2	300	90			1
		X	X		4624+00 TO 4626+12	64.461 TO 64.502		212				
		X		X	4624+00 TO 4626+12	64.461 TO 64.502	2	212	90			1
		X		X	4626+12	64.502	2		90			1
CALDWELL COUNTY TOTALS:							22,600	2,295	0	0	9	38
LYON COUNTY TOTALS:							32,208	3,092	2	1	26	26
TRIGG COUNTY TOTALS:							59,452	8,402	3	1	4	108
PROJECT TOTALS:							114,260	13,699	5	2	39	172

NOTES:

- Quantities are carried over and included in General Summary.
- All perforated pipe headwalls require 1 ton of Crushed Aggregate No. 2. Project total for Crushed Aggregate No. 2 is 218 tons.
- Perforated pipe headwall types shall be confirmed by the Contractor.

GENERAL NOTES
I-24 – CALDWELL, LYON, AND TRIGG
PAGE 4 OF 4

- 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, and Terminal Sections to be replaced are listed by mileposts. Exact placement to be approved by the Engineer on construction.
- D. Any signs and any light poles that are damaged during Construction are to be replaced at the Contractor's expense.
- E. The existing edge drain system that is not being replaced is to be preserved. Care should be taken when pavement is removed and replaced, any edge drains damaged during these activities will be replaced at the Contractor's expense.
- F. Pavement rideability requirements in accordance with Section 501 Category A of the standard specifications shall apply on this project.
- G. The Department will accept the compaction of asphalt mixtures furnished for the shoulders at one inch or greater on this project by Option B according to subsections 402 and 403 of the Standard Specifications.
- H. The Contractor shall be responsible for the repair of any pavement 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. Repair or reconstruction of shoulder 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. Quantities have been included in the General Summary for 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.
- M. Locations of pavement subsurface drainage outlets are listed. These locations may be adjusted by the Engineer. Engineer may elect to add or reduce the number of outlets.
- N. Allowing traffic to travel on milled shoulder surface is not allowed unless approved by the Engineer.
- O. PVC pipe shall be used for all 4-inch non-perforated pipe (minimum schedule 40). The unit bid price for construction of the PVC pipe shall include all fittings, connections, etc.
- P. A vacuum truck shall be required during all milling operations.
- Q. The old rest areas (eastbound and westbound) near MP 54.5 may be used by the Contractor for staging. A staging plan shall be submitted to the Engineer for approval. Upon completion of use of these areas the Contractor shall restore them to original condition as approved by the Engineer. Payment for restoration will not be allowed.
- R. Cement Stabilized Roadbed– Stabilize the top 12 inches of the finished roadbed with Portland cement in accordance with section 208 of the standard specifications. Use selected soils, with a minimum CBR value of 3, for this purpose. The Portland cement content is 6.0 percent by weight, and the estimated plan quantity uses an average dry density of 120 lbs/cubic feet. However, adjust the quantity after constructing the roadbed and submitting the samples for testing. This takes approximately two weeks.

Commonwealth of Kentucky

DEPARTMENT OF HIGHWAYS

I-24

LYON, CALDWELL, AND TRIGG COUNTIES

CONCRETE PAVEMENT AND ROADWAY REHABILITATION

ROADWAY PLANS

INDEX OF SHEETS

R1A --- PROJECT OVERVIEW

R2 - R2G --- TYPICAL SECTIONS AND DETAILS

R3 - R36 --- PLAN AND PROFILE SHEETS

R37 - R41 --- MOT MISC. DETAILS AND CROSSOVER SHEETS

Prepared By:
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1792 ALYSHEBA WAY
LEXINGTON, KY 40509
859-272-5400
September 18, 2019

**GEOMETRIC DATA SHEET
 I-24 - CALDWELL, LYON, AND TRIGG COUNTY**

I-24 EASTBOUND BASELINE GEOMETRIC COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
POB	3906+51.14	3529667.686	4277998.386
PI	3952+63.03	3527617.178	4282129.362
PI	3965+13.40	3527061.853	4283249.643
PI	3969+63.52	3526862.813	4283653.370
PI	3972+13.63	3526751.080	4283877.131
PI	3974+13.67	3526662.065	4284056.280
PI	3983+58.49	3526242.442	4284902.799
PI	3989+04.73	3525999.778	4285392.176
PI	3990+54.79	3525932.799	4285526.456
PI	3993+04.93	3525821.961	4285750.700
PI	3996+55.02	3525666.969	4286064.620
PI	3999+05.08	3525555.562	4286288.483
PI	4002+05.22	3525422.207	4286557.371
PI	4004+55.26	3525311.772	4286781.705
PI	4007+05.24	3525199.898	4287005.258
PI	4013+55.52	3524911.731	4287588.199
PI	4017+55.62	3524734.108	4287946.704
PI	4021+55.68	3524555.819	4288304.842
PI	4028+55.90	3524245.072	4288932.340
PI	4032+05.99	3524089.511	4289245.963
PI	4036+56.05	3523889.595	4289649.189
PI	4041+50.21	3523669.698	4290091.726
PI	4044+56.39	3523534.081	4290366.231
PI	4049+06.50	3523334.272	4290769.564
PI	4053+56.62	3523134.877	4291173.103
PI	4058+06.75	3522934.983	4291576.418
PI	4062+06.87	3522757.632	4291935.090
PI	4071+57.20	3522335.721	4292786.628
PI	4076+57.38	3522113.850	4293234.899
PI	4079+57.43	3521979.957	4293503.421
PI	4098+08.09	3521157.895	4295161.479
PI	4109+58.48	3520646.541	4296191.969

**GEOMETRIC DATA SHEET
 I-24 - CALDWELL, LYON, AND TRIGG COUNTY**

I-24 EASTBOUND BASELINE GEOMETRIC COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
PI	4118+08.71	3520269.263	4296953.912
PI	4125+58.95	3519935.959	4297626.051
PI	4129+09.04	3519780.425	4297939.690
PI	4131+59.08	3519668.664	4298163.372
PI	4179+10.45	3517559.166	4302420.780
PI	4181+10.50	3517470.845	4302600.270
PI	4186+60.61	3517226.297	4303093.036
PI	4191+10.77	3517026.335	4303496.354
PC	4207+60.63	3516293.781	4304974.656
PI	4220+41.56	3515725.034	4306122.395
PT	4232+95.81	3514794.486	4307002.657
PI	4236+54.64	3514533.810	4307249.247
PI	4249+05.05	3513625.055	4308108.133
PI	4261+05.28	3512753.282	4308933.089
PI	4262+55.22	3512644.475	4309036.259
PI	4264+55.24	3512498.504	4309173.008
PI	4271+05.41	3512026.276	4309619.914
PI	4277+55.47	3511554.956	4310067.612
PI	4284+05.63	3511082.241	4310513.983
PI	4285+55.67	3510972.936	4310616.762
PI	4292+05.96	3510501.050	4311064.201
PC	4297+79.45	3510084.415	4311458.295
PI	4308+35.70	3509317.067	4312184.130
PT	4318+86.14	3508693.434	4313036.621
PI	4335+90.63	3507687.060	4314412.311
PI	4340+90.51	3507392.831	4314816.416
PC	4345+79.90	3507103.126	4315210.853
PI	4351+98.49	3506736.946	4315709.413
PT	4358+16.87	3506348.559	4316190.876
PI	4386+82.79	3504544.118	4318427.745
PI	4390+32.76	3504323.903	4318699.749
PI	4391+82.70	3504230.491	4318817.030

**GEOMETRIC DATA SHEET
 I-24 - CALDWELL, LYON, AND TRIGG COUNTY**

I-24 EASTBOUND BASELINE GEOMETRIC COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
PI	4396+32.67	3503948.094	4319167.363
PI	4399+82.80	3503727.486	4319439.242
PI	4406+82.99	3503288.200	4319984.494
PI	4409+83.03	3503099.120	4320217.455
PI	4414+33.01	3502817.656	4320568.543
PI	4418+83.10	3502534.368	4320918.292
PI	4430+83.43	3501781.263	4321852.974
PI	4435+33.58	3501499.023	4322203.650
PI	4439+33.70	3501247.634	4322514.942
PI	4445+83.95	3500838.716	4323020.521
PC	4448+91.22	3500646.006	4323259.852
PI	4450+79.33	3500528.034	4323406.364
PT	4452+67.40	3500414.960	4323556.689
PI	4472+85.22	3499201.997	4325169.244
PI	4478+35.41	3498871.548	4325609.139
PI	4481+85.55	3498660.358	4325888.424
PI	4485+35.72	3498450.157	4326168.482
PI	4488+85.76	3498238.988	4326447.660
PI	4490+85.88	3498118.169	4326607.192
PI	4494+86.00	3497878.199	4326927.354
PI	4499+36.23	3497606.575	4327286.421
PI	4502+36.33	3497426.988	4327526.862
PI	4509+86.58	3496975.483	4328126.043
PI	4512+36.70	3496825.158	4328325.941
PI	4516+86.87	3496553.938	4328685.237
PC	4518+78.60	3496438.611	4328838.411
PI	4524+62.76	3496087.249	4329305.082
PT	4530+44.64	3495669.022	4329712.911
PI	4533+36.13	3495460.333	4329916.411
PI	4539+36.09	3495030.502	4330334.975
PI	4542+86.05	3494780.304	4330579.667
PI	4546+36.06	3494528.965	4330823.252

**GEOMETRIC DATA SHEET
 I-24 - CALDWELL, LYON, AND TRIGG COUNTY**

I-24 EASTBOUND BASELINE GEOMETRIC COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
PI	4548+36.08	3494385.497	4330962.627
PI	4549+86.09	3494278.113	4331067.372
PI	4551+36.12	3494170.968	4331172.396
PI	4553+86.19	3493991.818	4331346.866
PI	4557+86.32	3493704.497	4331625.347
PC	4559+56.45	3493582.671	4331744.102
PI	4564+94.59	3493197.324	4332119.735
PT	4570+29.62	3492888.099	4332560.159
PI	4576+88.51	3492509.488	4333099.409
PI	4584+38.65	3492077.920	4333712.968
PI	4592+38.92	3491617.997	4334367.868
PI	4596+89.08	3491359.070	4334736.110
PI	4600+89.22	3491129.786	4335064.050
PI	4604+39.35	3490929.681	4335351.358
PI	4607+89.48	3490727.733	4335637.387
PC	4612+69.12	3490452.443	4336030.155
PI	4615+94.48	3490265.700	4336296.591
PT	4619+19.51	3490058.578	4336547.512
PI	4622+89.52	3489823.033	4336832.865
PI	4629+39.76	3489411.163	4337336.026
POE	4639+90.21	3488745.156	4338148.353

**GEOMETRIC DATA SHEET
 I-24 - CALDWELL, LYON, AND TRIGG COUNTY**

CROSSOVER 1 COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
POB	0+00.00	3527906.781	4281575.858
PC	1+34.37	3527847.511	4281696.449
PI	5+29.74	3527673.112	4282051.282
PT	9+24.65	3527529.092	4282419.493
PC	9+27.90	3527527.909	4282422.517
PI	12+78.97	3527400.030	4282749.465
PT	16+29.71	3527248.144	4283065.975
PI	17+56.52	3527193.282	4283180.300
POE	18+38.45	3527157.025	4283253.777

CROSSOVER 2 COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
POB	0+00.00	3519671.752	4298352.583
PC	0+68.67	3519641.253	4298414.110
PI	3+09.55	3519534.273	4298629.931
PT	5+49.26	3519392.123	4298824.395
PC	7+12.55	3519295.761	4298956.221
PI	8+29.50	3519226.743	4299050.638
PT	9+46.32	3519165.811	4299150.463
POE	9+67.91	3519154.562	4299168.892

**GEOMETRIC DATA SHEET
 I-24 - CALDWELL, LYON, AND TRIGG COUNTY**

CROSSOVER 3 COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
POB	0+00.00	3517903.113	4301683.438
PC	1+99.34	3517818.197	4301863.783
PI	4+25.28	3517721.946	4302068.203
PT	6+50.26	3517659.594	4302285.376
PC	7+07.57	3517643.779	4302340.462
PI	9+61.44	3517573.722	4302584.474
PT	12+13.93	3517461.066	4302811.978
POE	12+21.46	3517457.725	4302818.725

CROSSOVER 4 COORDINATE DATA			
STATION		STATE PLANE COORDINATES	
		NORTHING	EASTING
POB	0+00.00	3489708.159	4337109.833
PC	1+24.35	3489624.714	4337202.022
PI	2+76.62	3489522.525	4337314.918
PT	4+28.87	3489416.737	4337424.449
PC	7+41.87	3489199.297	4337649.582
PI	9+92.25	3489025.355	4337829.679
PT	12+42.34	3488867.022	4338023.641
POE	12+71.30	3488848.710	4338046.074

**VERTICAL AND HORIZONTAL CONTROL POINTS SHEET
 I-24 - CALDWELL, LYON, AND TRIGG COUNTY**

VERTICAL AND HORIZONTAL CONTROL POINTS						
POINT	DESCRIPTION	STATION AND OFFSET	STATE PLANE COORDINATES		ELEVATION	
			NORTHING	EASTING		
A	#4 REBAR w/ CAP	I-24 CL STA. 4414+27.99	147.09' RT.	3502748.791	4320506.444	445.958
B	#4 REBAR w/ CAP	I-24 CL STA. 4592+17.19	549.49' LT.	3492124.503	4334700.352	543.506
C	#4 REBAR w/ CAP	I-24 CL STA. 4296+48.61	113.82' LT.	3510771.899	4311888.567	506.664
D	#4 REBAR w/ CAP	I-24 CL STA. 4157+69.22	136.34' RT.	3518438.330	4300466.719	593.093
E	#4 REBAR w/ CAP	I-24 CL STA. 4065+95.72	147.61' LT.	3522766.911	4292373.690	528.200
F	#4 REBAR w/ CAP	I-24 CL STA. 3969+18.60	356.72' RT.	3527252.112	4283796.202	548.704
G	#4 REBAR w/ CAP	---	---	3531001.087	4277220.604	530.905

Commonwealth of Kentucky

DEPARTMENT OF HIGHWAYS

I-24

LYON, CALDWELL, AND TRIGG COUNTIES

CONCRETE PAVEMENT AND ROADWAY REHABILITATION

CROSS SECTIONS

INDEX OF SHEETS

X1 - X465 --- EASTBOUND FULL DEPTH REPLACEMENT

X466 - X471 --- CROSSOVER #1

X472 - X474 --- CROSSOVER #2

X475 - X479 --- CROSSOVER #3

X480 - X483 --- CROSSOVER #4

Prepared By:
WSP USA INC.
1792 ALYSHEBA WAY
LEXINGTON, KY 40509
859-272-5400
September 18, 2019

MATERIAL SUMMARY

CONTRACT ID: 191064

121GR19D064 - NHPP IM

DE01700241964

I-24 ADDRESS PCC PAVEMENT CONDITIONS ON I-24 FROM MP 55.6 TO MP 57.1 IN CALDWELL COUNTY JPC PAVEMENT REPAIRS, A DISTANCE OF 1.5 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0935	00001	DGA BASE	3,655.00	TON
0940	00008	CEMENT STABILIZED ROADBED	45,373.00	SQYD
0945	00078	CRUSHED AGGREGATE SIZE NO 2	58.00	TON
0950	00080	CRUSHED AGGREGATE SIZE NO 23	60.00	TON
0955	00100	ASPHALT SEAL AGGREGATE	286.00	TON
0960	00103	ASPHALT SEAL COAT	34.00	TON
0965	00190	LEVELING & WEDGING PG64-22	182.00	TON
0970	00214	CL3 ASPH BASE 1.00D PG64-22	1,587.00	TON
0975	00312	CL3 ASPH SURF 0.50D PG64-22	1,609.00	TON
0980	00356	ASPHALT MATERIAL FOR TACK	6.00	TON
0985	00358	ASPHALT CURING SEAL	91.00	TON
0990	01005	PERFORATED PIPE EDGE DRAIN-4 IN	22,820.00	LF
0995	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM - CALDWELL	1.00	LS
1000	01028	PERF PIPE HEADWALL TY 3-4 IN	9.00	EACH
1005	01032	PERF PIPE HEADWALL TY 4-4 IN	49.00	EACH
1010	01740	CORED HOLE DRAINAGE BOX CON-4 IN	1.00	EACH
1015	01986	DELINEATOR FOR BARRIER WALL-B/Y	681.00	EACH
1020	02058	REMOVE PCC PAVEMENT	45,802.00	SQYD
1025	02060	PCC PAVEMENT DIAMOND GRINDING	40,470.00	SQYD
1030	02069	JPC PAVEMENT-10 IN	650.00	SQYD
1035	02071	JPC PAVEMENT-11 IN	45,373.00	SQYD
1040	02091	REMOVE PAVEMENT	650.00	SQYD
1045	02115	SAW-CLEAN-RESEAL TVERSE JOINT	16,556.00	LF
1050	02116	SAW-CLEAN-RESEAL LONGIT JOINT	13,797.00	LF
1055	02542	CEMENT - (REVISED: 10-8-19)	1,470.00	TON
1060	02562	TEMPORARY SIGNS	600.00	SQFT
1065	02575	DITCHING AND SHOULDERING	13,797.00	LF
1070	02604	FABRIC-GEOTEXTILE CLASS 1A	650.00	SQYD
1075	02650	MAINTAIN & CONTROL TRAFFIC - CALDWELL	1.00	LS
1080	02655	CROSSOVER - #2- CALDWELL	1.00	LS
1085	02655	CROSSOVER - #3- CALDWELL	1.00	LS
1090	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
1095	02676	MOBILIZATION FOR MILL & TEXT - CALDWELL	1.00	LS
1100	02677	ASPHALT PAVE MILLING & TEXTURING	498.00	TON
1105	02695	RUMBLE STRIPS TYPE 3	500.00	LF
1110	02696	SHOULDER RUMBLE STRIPS	7,245.00	LF
1115	02701	TEMP SILT FENCE	1,350.00	LF
1120	02702	SAND FOR BLOTTER	113.00	TON
1125	02705	SILT TRAP TYPE C	2.00	EACH
1130	02726	STAKING - CALDWELL	1.00	LS
1135	03171	CONCRETE BARRIER WALL TYPE 9T	13,612.00	LF
1140	03383	PVC PIPE-4 IN	2,625.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1145	05950	EROSION CONTROL BLANKET	10,000.00	SQYD
1150	05953	TEMP SEEDING AND PROTECTION	717.00	SQYD
1155	05963	INITIAL FERTILIZER	.20	TON
1160	05964	MAINTENANCE FERTILIZER	.20	TON
1165	05985	SEEDING AND PROTECTION	2,323.00	SQYD
1170	05992	AGRICULTURAL LIMESTONE	1.44	TON
1175	06401	FLEXIBLE DELINEATOR POST-M/W	231.00	EACH
1180	06404	FLEXIBLE DELINEATOR POST-M/Y	64.00	EACH
1185	06511	PAVE STRIPING-TEMP PAINT-6 IN	54,447.00	LF
1190	06513	PAVE STRIPING-TEMP PAINT-12 IN	978.00	LF
1195	06556	PAVE STRIPING-DUR TY 1-6 IN W	34,261.00	LF
1200	06557	PAVE STRIPING-DUR TY 1-6 IN Y	27,408.00	LF
1205	06560	PAVE STRIPING-DUR TY 1-12 IN W	2,297.00	LF
1210	06600	REMOVE PAVEMENT MARKER TYPE V	173.00	EACH
1215	10020NS	FUEL ADJUSTMENT	24,821.00	DOLL
1220	10030NS	ASPHALT ADJUSTMENT	13,203.00	DOLL
1225	20366NN	REPLACE GRATE	2.00	EACH
1230	20412ED	REMOVE ASPHALT SHOULDER	9,169.00	SQYD
1235	21173EC	SAW-CLEAN-RESEAL RANDOM CRACKS	2,000.00	LF
1240	23147EN	HIGH TENSION CABLE-ROPE BARRIER	301.00	LF
1245	23148EN	END ANCHORS	4.00	EACH
1250	24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM	301.00	LF
1255	24489EC	INLAID PAVEMENT MARKER	447.00	EACH
1260	24969ED	LONGITUDINAL SAW CUT	9,282.00	LF
1265	24997EC	PARTIAL DEPTH PATCHING-POLYMER MOD	216.00	CUFT
1270	25050ED	GEOTEXTILE BOND BREAKER INTERLAYER	45,373.00	SQYD
1275	02568	MOBILIZATION	1.00	LS
1280	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 191064

121GR19D064 - NHPP IM

DE07200241964

I-24 ADDRESS PCC PAVEMENT CONDITIONS ON I-24 IN BOTH DIRECTIONS FROM MP 51.7 TO MP 53.9 IN LYON COUNTY JPC PAVEMENT REPAIRS, A DISTANCE OF 2.2 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00001	DGA BASE	6,921.00	TON
0010	00008	CEMENT STABILIZED ROADBED	52,130.00	SQYD
0015	00078	CRUSHED AGGREGATE SIZE NO 2	72.00	TON
0020	00080	CRUSHED AGGREGATE SIZE NO 23	100.00	TON
0025	00100	ASPHALT SEAL AGGREGATE	278.00	TON
0030	00103	ASPHALT SEAL COAT	33.00	TON
0035	00214	CL3 ASPH BASE 1.00D PG64-22	3,932.00	TON
0040	00312	CL3 ASPH SURF 0.50D PG64-22	1,464.00	TON
0045	00356	ASPHALT MATERIAL FOR TACK	7.00	TON
0050	00358	ASPHALT CURING SEAL	104.00	TON
0055	01005	PERFORATED PIPE EDGE DRAIN-4 IN	32,548.00	LF
0060	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM - LYON	1.00	LS

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0065	01020	PERF PIPE HEADWALL TY 1-4 IN	2.00	EACH
0070	01024	PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH
0075	01028	PERF PIPE HEADWALL TY 3-4 IN	26.00	EACH
0080	01032	PERF PIPE HEADWALL TY 4-4 IN	43.00	EACH
0085	01740	CORED HOLE DRAINAGE BOX CON-4 IN	1.00	EACH
0090	01890	ISLAND HEADER CURB TYPE 1	100.00	LF
0095	01891	ISLAND HEADER CURB TYPE 2	100.00	LF
0100	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	8.00	EACH
0105	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	7.00	EACH
0110	01986	DELINEATOR FOR BARRIER WALL-B/Y	782.00	EACH
0115	02058	REMOVE PCC PAVEMENT	69,507.00	SQYD
0120	02060	PCC PAVEMENT DIAMOND GRINDING	59,598.00	SQYD
0125	02069	JPC PAVEMENT-10 IN	950.00	SQYD
0130	02071	JPC PAVEMENT-11 IN	52,130.00	SQYD
0135	02091	REMOVE PAVEMENT	950.00	SQYD
0140	02115	SAW-CLEAN-RESEAL TVERSE JOINT	30,717.00	LF
0145	02116	SAW-CLEAN-RESEAL LONGIT JOINT	25,597.00	LF
0150	02351	GUARDRAIL-STEEL W BEAM-S FACE	796.00	LF
0155	02352	GUARDRAIL-STEEL W BEAM-D FACE	245.00	LF
0160	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
0165	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	5.00	EACH
0170	02365	CRASH CUSHION TYPE IX-A	2.00	EACH
0175	02367	GUARDRAIL END TREATMENT TYPE 1	4.00	EACH
0180	02369	GUARDRAIL END TREATMENT TYPE 2A	2.00	EACH
0185	02381	REMOVE GUARDRAIL	1,241.00	LF
0190	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	4.00	EACH
0195	02542	CEMENT - (REVISED: 10-8-19)	1,689.00	TON
0200	02562	TEMPORARY SIGNS	700.00	SQFT
0205	02565	OBJECT MARKER TYPE 2	2.00	EACH
0210	02575	DITCHING AND SHOULDERING	20,317.00	LF
0215	02604	FABRIC-GEOTEXTILE CLASS 1A	950.00	SQYD
0220	02650	MAINTAIN & CONTROL TRAFFIC - LYON	1.00	LS
0225	02655	CROSSOVER - #1 LYON	1.00	LS
0230	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0235	02695	RUMBLE STRIPS TYPE 3	1,000.00	LF
0240	02701	TEMP SILT FENCE	1,390.00	LF
0245	02702	SAND FOR BLOTTER	130.00	TON
0250	02705	SILT TRAP TYPE C	2.00	EACH
0255	02726	STAKING - LYON	1.00	LS
0260	02775	ARROW PANEL	1.00	EACH
0265	03171	CONCRETE BARRIER WALL TYPE 9T	15,639.00	LF
0270	03383	PVC PIPE-4 IN	3,602.00	LF
0275	05950	EROSION CONTROL BLANKET	13,000.00	SQYD
0280	05953	TEMP SEEDING AND PROTECTION	613.00	SQYD
0285	05963	INITIAL FERTILIZER	.10	TON
0290	05964	MAINTENANCE FERTILIZER	.10	TON
0295	05985	SEEDING AND PROTECTION	1,162.00	SQYD
0300	05992	AGRICULTURAL LIMESTONE	.72	TON
0305	06401	FLEXIBLE DELINEATOR POST-M/W	38.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0310	06511	PAVE STRIPING-TEMP PAINT-6 IN	65,541.00	LF
0315	06556	PAVE STRIPING-DUR TY 1-6 IN W	44,946.00	LF
0320	06557	PAVE STRIPING-DUR TY 1-6 IN Y	35,957.00	LF
0325	06600	REMOVE PAVEMENT MARKER TYPE V	320.00	EACH
0330	08903	CRASH CUSHION TY VI CLASS BT TL3	4.00	EACH
0335	10020NS	FUEL ADJUSTMENT	31,361.00	DOLL
0340	10030NS	ASPHALT ADJUSTMENT	21,096.00	DOLL
0345	20366NN	REPLACE GRATE	1.00	EACH
0350	20432ES112	REMOVE CRASH CUSHION	2.00	EACH
0355	21173EC	SAW-CLEAN-RESEAL RANDOM CRACKS	2,000.00	LF
0360	23147EN	HIGH TENSION CABLE-ROPE BARRIER	416.00	LF
0365	23148EN	END ANCHORS	2.00	EACH
0370	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - BRIDGES 072B00048L&R-LYON	1.00	LS
0375	24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM	416.00	LF
0380	24489EC	INLAID PAVEMENT MARKER	449.00	EACH
0385	24640ED	OBJECT MARKER TYPE 1	6.00	EACH
0390	24997EC	PARTIAL DEPTH PATCHING-POLYMER MOD	49.00	CUFT
0395	25050ED	GEOTEXTILE BOND BREAKER INTERLAYER	52,130.00	SQYD
0400	02568	MOBILIZATION	1.00	LS
0405	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 191064

121GR19D064 - NHPP IM

DE11100241964

I-24 ADDRESS PCC PAVEMENT CONDITION ON I-24 FROM MP 59.2 TO MP 67.1 IN TRIGG COUNTY JPC PAVEMENT REPAIRS, A DISTANCE OF 7.9 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0410	00001	DGA BASE	7,593.00	TON
0415	00008	CEMENT STABILIZED ROADBED	124,503.00	SQYD
0420	00078	CRUSHED AGGREGATE SIZE NO 2	714.00	TON
0425	00080	CRUSHED AGGREGATE SIZE NO 23	240.00	TON
0430	00100	ASPHALT SEAL AGGREGATE	744.00	TON
0435	00103	ASPHALT SEAL COAT	89.00	TON
0440	00190	LEVELING & WEDGING PG64-22	730.00	TON
0445	00214	CL3 ASPH BASE 1.00D PG64-22	2,495.00	TON
0450	00312	CL3 ASPH SURF 0.50D PG64-22	4,428.00	TON
0455	00356	ASPHALT MATERIAL FOR TACK	17.00	TON
0460	00358	ASPHALT CURING SEAL	249.00	TON
0465	01005	PERFORATED PIPE EDGE DRAIN-4 IN	60,372.00	LF
0470	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM - TRIGG	1.00	LS
0475	01020	PERF PIPE HEADWALL TY 1-4 IN	3.00	EACH
0480	01024	PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH
0485	01028	PERF PIPE HEADWALL TY 3-4 IN	4.00	EACH
0490	01032	PERF PIPE HEADWALL TY 4-4 IN	155.00	EACH
0495	01690	FLUME INLET TYPE 1	2.00	EACH
0500	01691	FLUME INLET TYPE 2	2.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0505	01740	CORED HOLE DRAINAGE BOX CON-4 IN	3.00	EACH
0510	01890	ISLAND HEADER CURB TYPE 1	75.00	LF
0515	01891	ISLAND HEADER CURB TYPE 2	50.00	LF
0520	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	157.00	EACH
0525	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	20.00	EACH
0530	01986	DELINEATOR FOR BARRIER WALL-B/Y	1,868.00	EACH
0535	02058	REMOVE PCC PAVEMENT	99,603.00	SQYD
0540	02060	PCC PAVEMENT DIAMOND GRINDING	274,122.00	SQYD
0545	02069	JPC PAVEMENT-10 IN	2,500.00	SQYD
0550	02071	JPC PAVEMENT-11 IN	124,503.00	SQYD
0555	02091	REMOVE PAVEMENT	2,500.00	SQYD
0560	02115	SAW-CLEAN-RESEAL TVERSE JOINT	112,141.00	LF
0565	02116	SAW-CLEAN-RESEAL LONGIT JOINT	93,451.00	LF
0570	02165	REMOVE PAVED DITCH	8,097.00	SQYD
0575	02351	GUARDRAIL-STEEL W BEAM-S FACE	10,354.00	LF
0580	02352	GUARDRAIL-STEEL W BEAM-D FACE	685.00	LF
0585	02360	GUARDRAIL TERMINAL SECTION NO 1	6.00	EACH
0590	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	11.00	EACH
0595	02365	CRASH CUSHION TYPE IX-A	6.00	EACH
0600	02367	GUARDRAIL END TREATMENT TYPE 1	10.00	EACH
0605	02369	GUARDRAIL END TREATMENT TYPE 2A	15.00	EACH
0610	02381	REMOVE GUARDRAIL	11,978.00	LF
0615	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	12.00	EACH
0620	02391	GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH
0625	02483	CHANNEL LINING CLASS II	1,575.00	TON
0630	02542	CEMENT - (REVISED: 10-8-19)	4,034.00	TON
0635	02562	TEMPORARY SIGNS	1,800.00	SQFT
0640	02565	OBJECT MARKER TYPE 2	6.00	EACH
0645	02575	DITCHING AND SHOULDERING	65,308.00	LF
0650	02575	DITCHING AND SHOULDERING - SPECIAL	2,198.00	LF
0655	02604	FABRIC-GEOTEXTILE CLASS 1A	2,500.00	SQYD
0660	02650	MAINTAIN & CONTROL TRAFFIC - TRIGG	1.00	LS
0665	02655	CROSSOVER - #4 TRIGG	1.00	LS
0670	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
0675	02676	MOBILIZATION FOR MILL & TEXT - TRIGG	1.00	LS
0680	02677	ASPHALT PAVE MILLING & TEXTURING	1,096.00	TON
0685	02696	SHOULDER RUMBLE STRIPS	18,368.00	LF
0690	02701	TEMP SILT FENCE	1,200.00	LF
0695	02702	SAND FOR BLOTTER	311.00	TON
0700	02705	SILT TRAP TYPE C	2.00	EACH
0705	02726	STAKING - TRIGG	1.00	LS
0710	02775	ARROW PANEL	1.00	EACH
0715	03171	CONCRETE BARRIER WALL TYPE 9T	37,351.00	LF
0720	03383	PVC PIPE-4 IN	9,782.00	LF
0725	05950	EROSION CONTROL BLANKET	42,000.00	SQYD
0730	05953	TEMP SEEDING AND PROTECTION	237.00	SQYD
0735	05963	INITIAL FERTILIZER	.10	TON
0740	05964	MAINTENANCE FERTILIZER	.10	TON
0745	05985	SEEDING AND PROTECTION	1,162.00	SQYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0750	05992	AGRICULTURAL LIMESTONE	.72	TON
0755	06401	FLEXIBLE DELINEATOR POST-M/W	465.00	EACH
0760	06404	FLEXIBLE DELINEATOR POST-M/Y	71.00	EACH
0765	06511	PAVE STRIPING-TEMP PAINT-6 IN	151,259.00	LF
0770	06556	PAVE STRIPING-DUR TY 1-6 IN W	163,502.00	LF
0775	06557	PAVE STRIPING-DUR TY 1-6 IN Y	130,801.00	LF
0780	06560	PAVE STRIPING-DUR TY 1-12 IN W	1,288.00	LF
0785	06600	REMOVE PAVEMENT MARKER TYPE V	1,169.00	EACH
0790	08903	CRASH CUSHION TY VI CLASS BT TL3	4.00	EACH
0795	10020NS	FUEL ADJUSTMENT	63,602.00	DOLL
0800	10030NS	ASPHALT ADJUSTMENT	29,920.00	DOLL
0805	20366NN	REPLACE GRATE	2.00	EACH
0810	20412ED	REMOVE ASPHALT SHOULDER	41,590.00	SQYD
0815	20432ES112	REMOVE CRASH CUSHION	6.00	EACH
0820	21173EC	SAW-CLEAN-RESEAL RANDOM CRACKS	6,000.00	LF
0825	22883EN	CONCRETE WEDGE CURB	2,198.00	LF
0830	23032EN	BRIDGE BARRIER RETROFIT	785.00	LF
0835	23147EN	HIGH TENSION CABLE-ROPE BARRIER	395.00	LF
0840	23148EN	END ANCHORS	2.00	EACH
0845	23949EC	BRIDGE CLEANING & PREVENTIVE MAINTENANCE - BRIDGES 111B00044L&R-TRIGG	1.00	LS
0850	24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM	395.00	LF
0855	24489EC	INLAID PAVEMENT MARKER	1,635.00	EACH
0860	24640ED	OBJECT MARKER TYPE 1	10.00	EACH
0865	24969ED	LONGITUDINAL SAW CUT	37,351.00	LF
0870	24997EC	PARTIAL DEPTH PATCHING-POLYMER MOD	1,991.00	CUFT
0875	25050ED	GEOTEXTILE BOND BREAKER INTERLAYER	124,503.00	SQYD
0880	04793	CONDUIT-1 1/4 IN	120.00	LF
0885	04795	CONDUIT-2 IN	40.00	LF
0890	04820	TRENCHING AND BACKFILLING	140.00	LF
0895	04829	PIEZOELECTRIC SENSOR	8.00	EACH
0900	04830	LOOP WIRE	3,000.00	LF
0905	04895	LOOP SAW SLOT AND FILL	760.00	LF
0910	20359NN	GALVANIZED STEEL CABINET	4.00	EACH
0915	20360ES818	WOOD POST	8.00	EACH
0920	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH
0925	02568	MOBILIZATION	1.00	LS
0930	02569	DEMOBILIZATION	1.00	LS

PROPOSAL BID ITEMS

Report Date 10/8/19

Section: 0001 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	18,169.00	TON		\$	
0020	00008		CEMENT STABILIZED ROADBED	222,006.00	SQYD		\$	
0030	00078		CRUSHED AGGREGATE SIZE NO 2	844.00	TON		\$	
0040	00080		CRUSHED AGGREGATE SIZE NO 23	400.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	1,308.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	156.00	TON		\$	
0070	00190		LEVELING & WEDGING PG64-22	912.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22	8,014.00	TON		\$	
0090	00312		CL3 ASPH SURF 0.50D PG64-22	7,501.00	TON		\$	
0100	00356		ASPHALT MATERIAL FOR TACK	30.00	TON		\$	
0110	00358		ASPHALT CURING SEAL	444.00	TON		\$	
0120	01005		PERFORATED PIPE EDGE DRAIN-4 IN	115,740.00	LF		\$	
0130	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM CALDWELL	1.00	LS		\$	
0140	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM LYON	1.00	LS		\$	
0150	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM TRIGG	1.00	LS		\$	
0160	01020		PERF PIPE HEADWALL TY 1-4 IN	5.00	EACH		\$	
0170	01024		PERF PIPE HEADWALL TY 2-4 IN	2.00	EACH		\$	
0180	01028		PERF PIPE HEADWALL TY 3-4 IN	39.00	EACH		\$	
0190	01032		PERF PIPE HEADWALL TY 4-4 IN	247.00	EACH		\$	
0200	01690		FLUME INLET TYPE 1	2.00	EACH		\$	
0210	01691		FLUME INLET TYPE 2	2.00	EACH		\$	
0220	01740		CORED HOLE DRAINAGE BOX CON-4 IN	5.00	EACH		\$	
0230	01890		ISLAND HEADER CURB TYPE 1	175.00	LF		\$	
0240	01891		ISLAND HEADER CURB TYPE 2	150.00	LF		\$	
0250	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	165.00	EACH		\$	
0260	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	27.00	EACH		\$	
0270	01986		DELINEATOR FOR BARRIER WALL-B/Y	3,331.00	EACH		\$	
0280	02058		REMOVE PCC PAVEMENT	214,912.00	SQYD		\$	
0290	02060		PCC PAVEMENT DIAMOND GRINDING	374,190.00	SQYD		\$	
0300	02069		JPC PAVEMENT-10 IN	4,100.00	SQYD		\$	
0310	02071		JPC PAVEMENT-11 IN	222,006.00	SQYD		\$	
0320	02091		REMOVE PAVEMENT	4,100.00	SQYD		\$	
0330	02115		SAW-CLEAN-RESEAL TVERSE JOINT	159,414.00	LF		\$	
0340	02116		SAW-CLEAN-RESEAL LONGIT JOINT	132,845.00	LF		\$	
0350	02165		REMOVE PAVED DITCH	8,097.00	SQYD		\$	
0360	02351		GUARDRAIL-STEEL W BEAM-S FACE	11,150.00	LF		\$	
0370	02352		GUARDRAIL-STEEL W BEAM-D FACE	930.00	LF		\$	
0380	02360		GUARDRAIL TERMINAL SECTION NO 1	8.00	EACH		\$	
0390	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	16.00	EACH		\$	
0400	02365		CRASH CUSHION TYPE IX-A	8.00	EACH		\$	
0410	02367		GUARDRAIL END TREATMENT TYPE 1	14.00	EACH		\$	
0420	02369		GUARDRAIL END TREATMENT TYPE 2A	17.00	EACH		\$	
0430	02381		REMOVE GUARDRAIL	13,219.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 10/8/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0440	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	16.00	EACH		\$	
0450	02391		GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH		\$	
0460	02483		CHANNEL LINING CLASS II	1,575.00	TON		\$	
0470	02542		CEMENT (REVISED: 10-8-19)	7,193.00	TON		\$	
0480	02562		TEMPORARY SIGNS	3,100.00	SQFT		\$	
0490	02565		OBJECT MARKER TYPE 2	8.00	EACH		\$	
0500	02575		DITCHING AND SHOULDERING	99,422.00	LF		\$	
0510	02575		DITCHING AND SHOULDERING SPECIAL	2,198.00	LF		\$	
0520	02604		FABRIC-GEOTEXTILE CLASS 1A	4,100.00	SQYD		\$	
0530	02650		MAINTAIN & CONTROL TRAFFIC CALDWELL	1.00	LS		\$	
0540	02650		MAINTAIN & CONTROL TRAFFIC LYON	1.00	LS		\$	
0550	02650		MAINTAIN & CONTROL TRAFFIC TRIGG	1.00	LS		\$	
0560	02655		CROSSOVER #1 LYON	1.00	LS		\$	
0570	02655		CROSSOVER #2- CALDWELL	1.00	LS		\$	
0580	02655		CROSSOVER #3- CALDWELL	1.00	LS		\$	
0590	02655		CROSSOVER #4 TRIGG	1.00	LS		\$	
0600	02671		PORTABLE CHANGEABLE MESSAGE SIGN	10.00	EACH		\$	
0610	02676		MOBILIZATION FOR MILL & TEXT CALDWELL	1.00	LS		\$	
0620	02676		MOBILIZATION FOR MILL & TEXT TRIGG	1.00	LS		\$	
0630	02677		ASPHALT PAVE MILLING & TEXTURING	1,594.00	TON		\$	
0640	02695		RUMBLE STRIPS TYPE 3	1,500.00	LF		\$	
0650	02696		SHOULDER RUMBLE STRIPS	25,613.00	LF		\$	
0660	02701		TEMP SILT FENCE	3,940.00	LF		\$	
0670	02702		SAND FOR BLOTTER	554.00	TON		\$	
0680	02705		SILT TRAP TYPE C	6.00	EACH		\$	
0690	02726		STAKING CALDWELL	1.00	LS		\$	
0700	02726		STAKING LYON	1.00	LS		\$	
0710	02726		STAKING TRIGG	1.00	LS		\$	
0720	02775		ARROW PANEL	2.00	EACH		\$	
0730	03171		CONCRETE BARRIER WALL TYPE 9T	66,602.00	LF		\$	
0740	03383		PVC PIPE-4 IN	16,009.00	LF		\$	
0750	05950		EROSION CONTROL BLANKET	65,000.00	SQYD		\$	
0760	05953		TEMP SEEDING AND PROTECTION	1,567.00	SQYD		\$	
0770	05963		INITIAL FERTILIZER	.40	TON		\$	
0780	05964		MAINTENANCE FERTILIZER	.40	TON		\$	
0790	05985		SEEDING AND PROTECTION	4,647.00	SQYD		\$	
0800	05992		AGRICULTURAL LIMESTONE	2.88	TON		\$	
0810	06401		FLEXIBLE DELINEATOR POST-M/W	734.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0820	06404		FLEXIBLE DELINEATOR POST-M/Y	135.00	EACH		\$	
0830	06511		PAVE STRIPING-TEMP PAINT-6 IN	271,247.00	LF		\$	
0840	06513		PAVE STRIPING-TEMP PAINT-12 IN	978.00	LF		\$	
0850	06556		PAVE STRIPING-DUR TY 1-6 IN W	242,709.00	LF		\$	
0860	06557		PAVE STRIPING-DUR TY 1-6 IN Y	194,166.00	LF		\$	
0870	06560		PAVE STRIPING-DUR TY 1-12 IN W	3,585.00	LF		\$	
0880	06600		REMOVE PAVEMENT MARKER TYPE V	1,662.00	EACH		\$	
0890	08903		CRASH CUSHION TY VI CLASS BT TL3	8.00	EACH		\$	
0900	10020NS		FUEL ADJUSTMENT	119,784.00	DOLL	\$1.00	\$	\$119,784.00
0910	10030NS		ASPHALT ADJUSTMENT	64,219.00	DOLL	\$1.00	\$	\$64,219.00
0920	20366NN		REPLACE GRATE	5.00	EACH		\$	
0930	20412ED		REMOVE ASPHALT SHOULDER	50,759.00	SQYD		\$	
0940	20432ES112		REMOVE CRASH CUSHION	8.00	EACH		\$	
0950	21173EC		SAW-CLEAN-RESEAL RANDOM CRACKS	10,000.00	LF		\$	
0960	22883EN		CONCRETE WEDGE CURB	2,198.00	LF		\$	
0970	23032EN		BRIDGE BARRIER RETROFIT	785.00	LF		\$	
0980	23147EN		HIGH TENSION CABLE-ROPE BARRIER	1,112.00	LF		\$	
0990	23148EN		END ANCHORS	8.00	EACH		\$	
1000	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE BRIDGES 072B00048L&R-LYON	1.00	LS		\$	
1010	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE BRIDGES 111B00044L&R-TRIGG	1.00	LS		\$	
1020	24255EC		REMOVE CABLE GUARDRAIL BARRIER SYSTEM	1,112.00	LF		\$	
1030	24489EC		INLAID PAVEMENT MARKER	2,531.00	EACH		\$	
1040	24640ED		OBJECT MARKER TYPE 1	16.00	EACH		\$	
1050	24969ED		LONGITUDINAL SAW CUT	46,633.00	LF		\$	
1060	24997EC		PARTIAL DEPTH PATCHING-POLYMER MOD	2,256.00	CUFT		\$	
1070	25050ED		GEOTEXTILE BOND BREAKER INTERLAYER	222,006.00	SQYD		\$	

Section: 0002 - TRAFFIC LOOPS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1080	04793		CONDUIT-1 1/4 IN	120.00	LF		\$	
1090	04795		CONDUIT-2 IN	40.00	LF		\$	
1100	04820		TRENCHING AND BACKFILLING	140.00	LF		\$	
1110	04829		PIEZOELECTRIC SENSOR	8.00	EACH		\$	
1120	04830		LOOP WIRE	3,000.00	LF		\$	
1130	04895		LOOP SAW SLOT AND FILL	760.00	LF		\$	
1140	20359NN		GALVANIZED STEEL CABINET	4.00	EACH		\$	
1150	20360ES818		WOOD POST	8.00	EACH		\$	
1160	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	4.00	EACH		\$	

Section: 0003 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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LYON - CALDWELL - TRIGG COUNTIES
 121GR19D064 - NHPP IM
 191064

PROPOSAL BID ITEMS

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Report Date 10/8/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1170	02568		MOBILIZATION	1.00	LS		\$	
1180	02569		DEMOBILIZATION	1.00	LS		\$	