



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

October 23, 2019

CALL NO. 100  
CONTRACT ID NO. 191245  
ADDENDUM # 2

**Subject:** LAUREL COUNTY, NHPP IM 0752 (059)  
Letting October 25, 2019

- (1) Revised - Proposal Bid Items- Pages 323-330 of 330
- (2) Revised - Plan Sheets - R2, R2a, R2g, R83, and R88

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 black ink that reads "Rachel Mills".

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

RM:mr  
Enclosures



An Equal Opportunity Employer M/F/D

**PROPOSAL BID ITEMS**

Report Date 10/23/19

**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	93,856.00	TON		\$	
0020	00018		DRAINAGE BLANKET-TYPE II-ASPH	77,836.00	TON		\$	
0030	00020		TRAFFIC BOUND BASE	500.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	817.00	TON		\$	
0050	00103		ASPHALT SEAL COAT	98.00	TON		\$	
0060	00190		LEVELING & WEDGING PG64-22	60,905.00	TON		\$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	4,219.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22	57,113.00	TON		\$	
0090	00217		CL4 ASPH BASE 1.00D PG64-22	23,303.00	TON		\$	
0100	00219		CL4 ASPH BASE 1.00D PG76-22	48,220.00	TON		\$	
0110	00301		CL2 ASPH SURF 0.38D PG64-22 (REVISED: 10-23-19)	4,174.00	TON		\$	
0120	00339		CL3 ASPH SURF 0.38D PG64-22	16,729.00	TON		\$	
0130	00342		CL4 ASPH SURF 0.38A PG76-22	26,141.00	TON		\$	
0140	00356		ASPHALT MATERIAL FOR TACK	560.00	TON		\$	
0150	00358		ASPHALT CURING SEAL	188.00	TON		\$	
0160	02677		ASPHALT PAVE MILLING & TEXTURING	23,033.00	TON		\$	
0170	02702		SAND FOR BLOTTER	587.00	TON		\$	
0180	24904EC		CL3 ASPH BASE CK PG64-22	57,314.00	TON		\$	
0190	24905EC		CL4 ASPH BASE CK PG64-22	61,234.00	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0200	00078		CRUSHED AGGREGATE SIZE NO 2	824.00	TON		\$	
0210	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0220	01314		PLUG PIPE	1.00	EACH		\$	
0230	01584		CAP DROP BOX INLET	1.00	EACH		\$	
0240	01585		REMOVE DROP BOX INLET	5.00	EACH		\$	
0250	01690		FLUME INLET TYPE 1	1.00	EACH		\$	
0260	01891		ISLAND HEADER CURB TYPE 2	2,141.00	LF		\$	
0270	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	1,745.00	EACH		\$	
0280	01984		DELINEATOR FOR BARRIER - WHITE	1,650.00	EACH		\$	
0290	01985		DELINEATOR FOR BARRIER - YELLOW	2,450.00	EACH		\$	
0300	02002		REMOVE TEMP CONC BARRIER WALL	962.00	LF		\$	
0310	02003		RELOCATE TEMP CONC BARRIER	84,380.00	LF		\$	
0320	02014		BARRICADE-TYPE III	12.00	EACH		\$	
0330	02159		TEMP DITCH	19,370.00	LF		\$	
0340	02160		CLEAN TEMP DITCH	9,685.00	LF		\$	
0350	02200		ROADWAY EXCAVATION	149,711.00	CUYD		\$	
0360	02223		GRANULAR EMBANKMENT	18,000.00	CUYD		\$	
0370	02237		DITCHING	24,925.00	LF		\$	
0380	02242		WATER (FOR DUST CONTROL)	75.00	MGAL		\$	
0390	02262		FENCE-WOVEN WIRE TYPE 1	1,268.00	LF		\$	
0400	02265		REMOVE FENCE	1,869.00	LF		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02268		REMOVE & REPLACE FENCE	71,741.00	LF		\$	
0420	02351		GUARDRAIL-STEEL W BEAM-S FACE	30,850.00	LF		\$	
0430	02360		GUARDRAIL TERMINAL SECTION NO 1	5.00	EACH		\$	
0440	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	12.00	EACH		\$	
0450	02367		GUARDRAIL END TREATMENT TYPE 1	8.00	EACH		\$	
0460	02369		GUARDRAIL END TREATMENT TYPE 2A	29.00	EACH		\$	
0470	02373		GUARDRAIL END TREATMENT TYPE 3	3.00	EACH		\$	
0480	02381		REMOVE GUARDRAIL	33,459.00	LF		\$	
0490	02383		REMOVE & RESET GUARDRAIL	2,700.00	LF		\$	
0500	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	2.00	EACH		\$	
0510	02391		GUARDRAIL END TREATMENT TYPE 4A	21.00	EACH		\$	
0520	02429		RIGHT-OF-WAY MONUMENT TYPE 1	6.00	EACH		\$	
0530	02483		CHANNEL LINING CLASS II	1,181.00	TON		\$	
0540	02484		CHANNEL LINING CLASS III	4,420.00	TON		\$	
0550	02545		CLEARING AND GRUBBING (APPROXIMATELY 72.5 ACRES)	1.00	LS		\$	
0560	02555		CONCRETE-CLASS B	15.20	CUYD		\$	
0570	02562		TEMPORARY SIGNS	1,500.00	SQFT		\$	
0580	02585		EDGE KEY	310.00	LF		\$	
0590	02602		FABRIC-GEOTEXTILE CLASS 1	27,262.00	SQYD		\$	
0600	02603		FABRIC-GEOTEXTILE CLASS 2	7,000.00	SQYD		\$	
0610	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0620	02671		PORTABLE CHANGEABLE MESSAGE SIGN	10.00	EACH		\$	
0630	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0640	02690		SAFELOADING	27.50	CUYD		\$	
0650	02696		SHOULDER RUMBLE STRIPS	106,193.00	LF		\$	
0660	02701		TEMP SILT FENCE	19,370.00	LF		\$	
0670	02703		SILT TRAP TYPE A	33.00	EACH		\$	
0680	02704		SILT TRAP TYPE B	33.00	EACH		\$	
0690	02705		SILT TRAP TYPE C	33.00	EACH		\$	
0700	02706		CLEAN SILT TRAP TYPE A	33.00	EACH		\$	
0710	02707		CLEAN SILT TRAP TYPE B	33.00	EACH		\$	
0720	02708		CLEAN SILT TRAP TYPE C	33.00	EACH		\$	
0730	02726		STAKING	1.00	LS		\$	
0740	02731		REMOVE STRUCTURE (EXISTING 3-SPAN BRIDGE: I-75 OVER KY 2041 N.B.)	1.00	LS		\$	
0750	02731		REMOVE STRUCTURE (EXISTING 3-SPAN BRIDGE: I-75 OVER KY 2041 S.B.)	1.00	LS		\$	
0760	02731		REMOVE STRUCTURE (EXISTING 3-SPAN BRIDGE: I-75 OVER WOOD CREEK N.B.)	1.00	LS		\$	
0770	02731		REMOVE STRUCTURE (EXISTING 3-SPAN BRIDGE: I-75 OVER WOOD CREEK S.B.)	1.00	LS		\$	
0780	02731		REMOVE STRUCTURE (EXISTING 4-SPAN BRIDGE: US 25 OVER I-75 NORTH CROSS)	1.00	LS		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0790	02731		REMOVE STRUCTURE (EXISTING 4-SPAN BRIDGE: US 25 OVER I-75 SOUTH CROSS)	1.00	LS		\$	
0800	02775		ARROW PANEL	4.00	EACH		\$	
0810	02898		RELOCATE CRASH CUSHION	8.00	EACH		\$	
0820	03225		TUBULAR MARKERS	600.00	EACH		\$	
0830	05950		EROSION CONTROL BLANKET	37,043.00	SQYD		\$	
0840	05952		TEMP MULCH	103,511.00	SQYD		\$	
0850	05953		TEMP SEEDING AND PROTECTION	77,633.00	SQYD		\$	
0860	05963		INITIAL FERTILIZER	16.00	TON		\$	
0870	05964		MAINTENANCE FERTILIZER	8.00	TON		\$	
0880	05985		SEEDING AND PROTECTION	120,798.00	SQYD		\$	
0890	05992		AGRICULTURAL LIMESTONE	96.00	TON		\$	
0900	06401		FLEXIBLE DELINEATOR POST-M/W	565.00	EACH		\$	
0910	06510		PAVE STRIPING-TEMP PAINT-4 IN	24,560.00	LF		\$	
0920	06511		PAVE STRIPING-TEMP PAINT-6 IN	846,000.00	LF		\$	
0930	06513		PAVE STRIPING-TEMP PAINT-12 IN	30,000.00	LF		\$	
0940	06546		PAVE STRIPING-THERMO-12 IN W	1,870.00	LF		\$	
0950	06549		PAVE STRIPING-TEMP REM TAPE-B	2,500.00	LF		\$	
0960	06550		PAVE STRIPING-TEMP REM TAPE-W	11,200.00	LF		\$	
0970	06551		PAVE STRIPING-TEMP REM TAPE-Y	12,500.00	LF		\$	
0980	06554		PAVE STRIPING-DUR TY 1-4 IN W	1,484.00	LF		\$	
0990	06555		PAVE STRIPING-DUR TY 1-4 IN Y	1,484.00	LF		\$	
1000	06556		PAVE STRIPING-DUR TY 1-6 IN W	816.00	LF		\$	
1010	06557		PAVE STRIPING-DUR TY 1-6 IN Y	544.00	LF		\$	
1020	06585		PAVEMENT MARKER TY IVA-MW TEMP	3,204.00	EACH		\$	
1030	06600		REMOVE PAVEMENT MARKER TYPE V	1,507.00	EACH		\$	
1040	08903		CRASH CUSHION TY VI CLASS BT TL3	10.00	EACH		\$	
1050	10020NS		FUEL ADJUSTMENT	754,809.00	DOLL	\$1.00	\$	\$754,809.00
1060	10030NS		ASPHALT ADJUSTMENT	1,394,171.00	DOLL	\$1.00	\$	\$1,394,171.00
1070	15125		S CIPP LINER 18 INCH	97.00	LF		\$	
1080	20071EC		JOINT ADHESIVE	213,754.00	LF		\$	
1090	20191ED		OBJECT MARKER TY 3	29.00	EACH		\$	
1100	20432ES112		REMOVE CRASH CUSHION	8.00	EACH		\$	
1110	20471ES509		TEMP CONC MED BARRIER	74,380.00	LF		\$	
1120	21430ES508		CONC MEDIAN BARRIER TYPE 12C(50)	35,676.00	LF		\$	
1130	22045NN		FLUME INLET TY 2-MOD (MOD)	10.00	EACH		\$	
1140	23268ES717		PAVE MARK TY 1 TAPE-MERGE ARROW	6.00	EACH		\$	
1150	23484EC		PIPE LINER ACCEPTANCE TESTING	1.00	LS		\$	
1160	23607EC		PAVE MARK THERMO-LANE REDUCTION ARROW	4.00	EACH		\$	
1170	23864EC		CHANNEL LINING CLASS III-MOD	383.00	TON		\$	
1180	23911EC		GROUT	128.00	CUYD		\$	
1190	24255EC		REMOVE CABLE GUARDRAIL BARRIER SYSTEM	32,888.00	LF		\$	
1200	24401EC		DURABLE WATERBORNE MARKING-4 IN W	6,526.00	LF		\$	
1210	24402EC		DURABLE WATERBORNE MARKING-4 IN Y	7,026.00	LF		\$	
1220	24489EC		INLAID PAVEMENT MARKER	1,957.00	EACH		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1230	24492EC		CLEAN (CLEAN WEIR AT WOOD CREEK DAM STA 2527+57)	1.00	LS		\$	
1240	24779EC		INTELLIGENT COMPACTION FOR SOIL	100,272.00	CUYD		\$	
1250	24780EC		INTELLIGENT COMPACTION FOR AGGREGATE	92,070.00	TON		\$	
1260	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	431,746.00	TON		\$	
1270	24814EC		PIPELINE INSPECTION	9,169.00	LF		\$	
1280	24852EC		BARRIER WALL GATE	1.00	EACH		\$	
1290	24873EC		CONTROL SYSTEM FOR INCIDENT MANAGEMENT	1.00	L S		\$	
1300	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	13,227,207.00	SF		\$	
1310	24969ED		LONGITUDINAL SAW CUT	11,412.00	LF		\$	
1320	25008EC		PAVE STRIPING-THERMO-6 IN W-WET REFLECT	124,184.00	LF		\$	
1330	25009EC		PAVE STRIPING-THERMO-6 IN Y-WET REFLECT	74,765.00	LF		\$	
1340	25019EC		GROOVE FOR PAVE STRIPING - 7 IN	198,949.00	LF		\$	
1345	25075EC		QUEUE PROTECTION VEHICLE (ADDED: 10-17-19)	500.00	HOURL		\$	
1346	25076EC		FURNISH QUEUE PROTECTION VEHICLES (ADDED: 10-17-19)	1.00	LS		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	00440		ENTRANCE PIPE-15 IN	45.00	LF		\$	
1360	00461		CULVERT PIPE-15 IN	101.00	LF		\$	
1370	00462		CULVERT PIPE-18 IN	36.00	LF		\$	
1380	00466		CULVERT PIPE-30 IN	4.00	LF		\$	
1390	00468		CULVERT PIPE-36 IN	14.00	LF		\$	
1400	00469		CULVERT PIPE-42 IN	51.00	LF		\$	
1410	00471		CULVERT PIPE-54 IN	24.00	LF		\$	
1420	00521		STORM SEWER PIPE-15 IN	1,236.00	LF		\$	
1430	00522		STORM SEWER PIPE-18 IN	407.00	LF		\$	
1440	00524		STORM SEWER PIPE-24 IN	863.00	LF		\$	
1450	01000		PERFORATED PIPE-4 IN	7,250.00	LF		\$	
1460	01001		PERFORATED PIPE-6 IN	33,246.00	LF		\$	
1470	01002		PERFORATED PIPE-8 IN	2,921.00	LF		\$	
1480	01010		NON-PERFORATED PIPE-4 IN	225.00	LF		\$	
1490	01020		PERF PIPE HEADWALL TY 1-4 IN	3.00	EACH		\$	
1500	01024		PERF PIPE HEADWALL TY 2-4 IN	3.00	EACH		\$	
1510	01028		PERF PIPE HEADWALL TY 3-4 IN	7.00	EACH		\$	
1520	01032		PERF PIPE HEADWALL TY 4-4 IN	11.00	EACH		\$	
1530	01202		PIPE CULVERT HEADWALL-15 IN	5.00	EACH		\$	
1540	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
1550	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
1560	01208		PIPE CULVERT HEADWALL-24 IN	2.00	EACH		\$	
1570	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
1580	01214		PIPE CULVERT HEADWALL-42 IN	2.00	EACH		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1590	01391		METAL END SECTION TY 3-18 IN	1.00	EACH		\$	
1600	01452		S & F BOX INLET-OUTLET-30 IN	1.00	EACH		\$	
1610	01490		DROP BOX INLET TYPE 1	2.00	EACH		\$	
1620	01541		DROP BOX INLET TYPE 10	1.00	EACH		\$	
1630	01650		JUNCTION BOX	14.00	EACH		\$	
1640	01741		CORED HOLE DRAINAGE BOX CON-6 IN	140.00	EACH		\$	
1650	01742		CORED HOLE DRAINAGE BOX CON-8 IN	29.00	EACH		\$	
1660	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	8,930.00	SQYD	\$2.00	\$	\$17,860.00
1670	08100		CONCRETE-CLASS A	93.45	CUYD		\$	
1680	21601NN		CONC MED BAR BOX INLET TY 12A2-50	3.00	EACH		\$	
1690	21602NN		CONC MED BARR BOX INLET TY 12B2-50	57.00	EACH		\$	
1700	21799EN		BORE AND JACK PIPE-24 IN	254.00	LF		\$	
1710	23126EN		BORE AND JACK PIPE-18 IN	77.00	LF		\$	
1720	23976EC		CONC MED BARR BOX INLET TY 12A2-50 (MOD)	1.00	EACH		\$	
1730	23978EC		CONC MED BARR BOX INLET TY 12B2-50 (MOD)	10.00	EACH		\$	
1740	24026EC		PIPE CULVERT HEADWALL-54 IN	1.00	EACH		\$	
1750	24861EC		PVC FOLD AND FORM PIPE LINER-15 IN	3,615.00	LF		\$	
1760	24862EC		PVC FOLD AND FORM PIPE LINER-18 IN	6,782.00	LF		\$	
1770	24863EC		PVC FOLD AND FORM PIPE LINER-24 IN	1,746.00	LF		\$	
1780	24864EC		PVC FOLD AND FORM PIPE LINER-30 IN	529.00	LF		\$	
1790	24865EC		PVC FOLD AND FORM PIPE LINER-36 IN	975.00	LF		\$	

**Section: 0004 - BRIDGE - I-75 OVER KY 2041 STA 2234+21.725 DWG. # 24532**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1800	02231		STRUCTURE GRANULAR BACKFILL	839.00	CUYD		\$	
1810	02403		REMOVE CONCRETE MASONRY	10.00	CUYD		\$	
1820	02998		MASONRY COATING	1,712.00	SQYD		\$	
1830	03299		ARMORED EDGE FOR CONCRETE	248.00	LF		\$	
1840	08001		STRUCTURE EXCAVATION-COMMON	1,010.00	CUYD		\$	
1850	08002		STRUCTURE EXCAV-SOLID ROCK	157.00	CUYD		\$	
1860	08020		CRUSHED AGGREGATE SLOPE PROT	548.00	TON		\$	
1870	08046		PILES-STEEL HP12X53	784.00	LF		\$	
1880	08094		PILE POINTS-12 IN	32.00	EACH		\$	
1890	08100		CONCRETE-CLASS A	453.50	CUYD		\$	
1900	08104		CONCRETE-CLASS AA	588.90	CUYD		\$	
1910	08136		MECHANICAL REINF COUPLER #11	48.00	EACH		\$	
1920	08150		STEEL REINFORCEMENT	60,061.00	LB		\$	
1930	08151		STEEL REINFORCEMENT-EPOXY COATED	178,687.00	LB		\$	
1940	08160		STRUCTURAL STEEL (APPROX. WEIGHT = 716 LBS. IN DECK DRAINS)	1.00	LS		\$	
1950	08670		PRECAST PC BOX BEAM SB27	2,052.50	LF		\$	
1960	21532ED		RAIL SYSTEM TYPE III	262.00	LF		\$	

**Section: 0005 - BRIDGE - I-75 OVER WOOD CREEK STA 2210+77.10 DWG. #. 24535**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1970	02231		STRUCTURE GRANULAR BACKFILL	981.00	CUYD		\$	
1980	02403		REMOVE CONCRETE MASONRY	10.00	CUYD		\$	
1990	02998		MASONRY COATING	1,114.00	SQYD		\$	
2000	03299		ARMORED EDGE FOR CONCRETE	286.40	LF		\$	
2010	08001		STRUCTURE EXCAVATION-COMMON	363.00	CUYD		\$	
2020	08002		STRUCTURE EXCAV-SOLID ROCK	130.00	CUYD		\$	
2030	08019		CYCLOPEAN STONE RIP RAP	1,822.00	TON		\$	
2040	08046		PILES-STEEL HP12X53	560.00	LF		\$	
2050	08094		PILE POINTS-12 IN	32.00	EACH		\$	
2060	08100		CONCRETE-CLASS A	456.10	CUYD		\$	
2070	08104		CONCRETE-CLASS AA	664.30	CUYD		\$	
2080	08136		MECHANICAL REINF COUPLER #11	48.00	EACH		\$	
2090	08150		STEEL REINFORCEMENT	56,243.00	LB		\$	
2100	08151		STEEL REINFORCEMENT-EPOXY COATED	160,799.00	LB		\$	
2110	08160		STRUCTURAL STEEL (APPROX. WEIGHT = 753 LBS IN DECK DRAINS)	1.00	LS		\$	
2120	08632		PRECAST PC I BEAM TYPE 2	2,208.00	LF		\$	
2130	21532ED		RAIL SYSTEM TYPE III	283.00	LF		\$	

**Section: 0006 - BRIDGE - US-25 OVER I-75 SOUTH CROSSING DWG. #. 24526**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2140	02231		STRUCTURE GRANULAR BACKFILL	249.00	CUYD		\$	
2150	02998		MASONRY COATING	2,103.00	SQYD		\$	
2160	08001		STRUCTURE EXCAVATION-COMMON	935.00	CUYD		\$	
2170	08002		STRUCTURE EXCAV-SOLID ROCK	494.00	CUYD		\$	
2180	08020		CRUSHED AGGREGATE SLOPE PROT	346.00	TON		\$	
2190	08100		CONCRETE-CLASS A	899.50	CUYD		\$	
2200	08104		CONCRETE-CLASS AA	705.40	CUYD		\$	
2210	08150		STEEL REINFORCEMENT	87,397.00	LB		\$	
2220	08151		STEEL REINFORCEMENT-EPOXY COATED	162,235.00	LB		\$	
2230	08160		STRUCTURAL STEEL (APPROXIMATELY 2,143 LBS)	1.00	LS		\$	
2240	08269		ELECTRICAL CONDUIT	1.00	LS		\$	
2250	23035EN		PPC BOX BEAM-SB31 (51" X 48")	1,861.00	LF		\$	
2260	23540EC		PIPE UNDERDRAIN-8 IN	184.00	LF		\$	

**Section: 0007 - BRIDGE - US-25 OVER I-75 NORTH CROSSING DWG. # 24527**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2270	02231		STRUCTURE GRANULAR BACKFILL	266.00	CUYD		\$	
2280	02998		MASONRY COATING	2,176.00	SQYD		\$	
2290	08001		STRUCTURE EXCAVATION-COMMON	1,310.00	CUYD		\$	
2300	08002		STRUCTURE EXCAV-SOLID ROCK	404.00	CUYD		\$	
2310	08020		CRUSHED AGGREGATE SLOPE PROT	382.00	TON		\$	
2320	08033		TEST PILES	22.00	LF		\$	



**PROPOSAL BID ITEMS**

Report Date 10/23/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2330	08046		PILES-STEEL HP12X53	360.00	LF		\$	
2340	08094		PILE POINTS-12 IN	18.00	EACH		\$	
2350	08100		CONCRETE-CLASS A	962.00	CUYD		\$	
2360	08104		CONCRETE-CLASS AA	759.10	CUYD		\$	
2370	08130		MECHANICAL REINF COUPLER #5	55.00	EACH		\$	
2380	08131		MECHANICAL REINF COUPLER #6	66.00	EACH		\$	
2390	08135		MECHANICAL REINF COUPLER #10	18.00	EACH		\$	
2400	08136		MECHANICAL REINF COUPLER #11	21.00	EACH		\$	
2410	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	1,528.00	EACH		\$	
2420	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	8.00	EACH		\$	
2430	08150		STEEL REINFORCEMENT	93,674.00	LB		\$	
2440	08151		STEEL REINFORCEMENT-EPOXY COATED	180,570.00	LB		\$	
2450	08160		STRUCTURAL STEEL (APPROXIMATELY 2,304.00 LBS.)	1.00	LS		\$	
2460	08269		ELECTRICAL CONDUIT	1.00	LS		\$	
2470	23035EN		PPC BOX BEAM-SB31 (51" X 48")	1,861.00	LF		\$	
2480	23540EC		PIPE UNDERDRAIN-8 IN	99.00	LF		\$	

**Section: 0008 - BRIDGE - CULVERT 6 X 6 RCBC STA. 2294+00.80 DWG. # 25080**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2490	02403		REMOVE CONCRETE MASONRY	19.00	CUYD		\$	
2500	08001		STRUCTURE EXCAVATION-COMMON	88.00	CUYD		\$	
2510	08002		STRUCTURE EXCAV-SOLID ROCK	4.00	CUYD		\$	
2520	08100		CONCRETE-CLASS A	52.00	CUYD		\$	
2530	08150		STEEL REINFORCEMENT	4,718.00	LB		\$	

**Section: 0009 - BRIDGE - CULVERT 5 X 4 RCBC STA 2307+97.81 DWG. # 25081**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2540	02403		REMOVE CONCRETE MASONRY	9.00	CUYD		\$	
2550	08001		STRUCTURE EXCAVATION-COMMON	50.00	CUYD		\$	
2560	08002		STRUCTURE EXCAV-SOLID ROCK	5.00	CUYD		\$	
2570	08100		CONCRETE-CLASS A	24.00	CUYD		\$	
2580	08150		STEEL REINFORCEMENT	1,196.00	LB		\$	
2590	23930EC		LIGHTWEIGHT CELLULAR CONCRETE FILL	110.00	CUYD		\$	

**Section: 0010 - SIGNING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2600	04903		REFERENCE MARKER	34.00	EACH		\$	
2610	04904		BARRIER MOUNTING BRACKET	4.00	EACH		\$	
2620	06400		GMSS GALV STEEL TYPE A	9,018.00	LB		\$	
2630	06405		SBM ALUMINUM PANEL SIGNS	2,436.00	SQFT		\$	



**PROPOSAL BID ITEMS**

Report Date 10/23/19

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2640	06406		SBM ALUM SHEET SIGNS .080 IN	373.00	SQFT		\$	
2650	06410		STEEL POST TYPE 1	530.00	LF		\$	
2660	06412		STEEL POST MILE MARKERS	14.00	EACH		\$	
2670	06441		GMSS GALV STEEL TYPE C	8,288.00	LB		\$	
2680	06449		REM OVERHEAD SIGN SUPPORT STR	1.00	EACH		\$	
2690	06451		REMOVE SIGN SUPPORT BEAM	15.00	EACH		\$	
2700	06490		CLASS A CONCRETE FOR SIGNS	56.40	CUYD		\$	
2710	06491		STEEL REINFORCEMENT FOR SIGNS	1,708.00	LB		\$	
2720	20419ND		ROADWAY CROSS SECTION	14.00	EACH		\$	
2730	20912ND		BARRIER WALL POST	4.00	EACH		\$	
2740	21373ND		REMOVE SIGN	17.00	EACH		\$	
2750	21596ND		GMSS TYPE D	2.00	EACH		\$	

**Section: 0011 - TRAINEES**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2760	02742		TRAINEE PAYMENT REIMBURSEMENT CARPENTER	1,400.00	HOUR		\$	
2770	02742		TRAINEE PAYMENT REIMBURSEMENT CEMENT MASON	1,200.00	HOUR		\$	
2780	02742		TRAINEE PAYMENT REIMBURSEMENT GROUP 2,3,4 OPERATOR	1,400.00	HOUR		\$	

**Section: 0012 - DEMOBILIZATION &/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2790	02568		MOBILIZATION	1.00	LS		\$	
2800	02569		DEMOBILIZATION	1.00	LS		\$	

# TYPICAL SECTIONS I-75 OVERLAY

## I-75 - OVERLAY SECTIONS

### OVERLAY

#### OVERLAY

APPROX. 1.5" SURFACE — 1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22

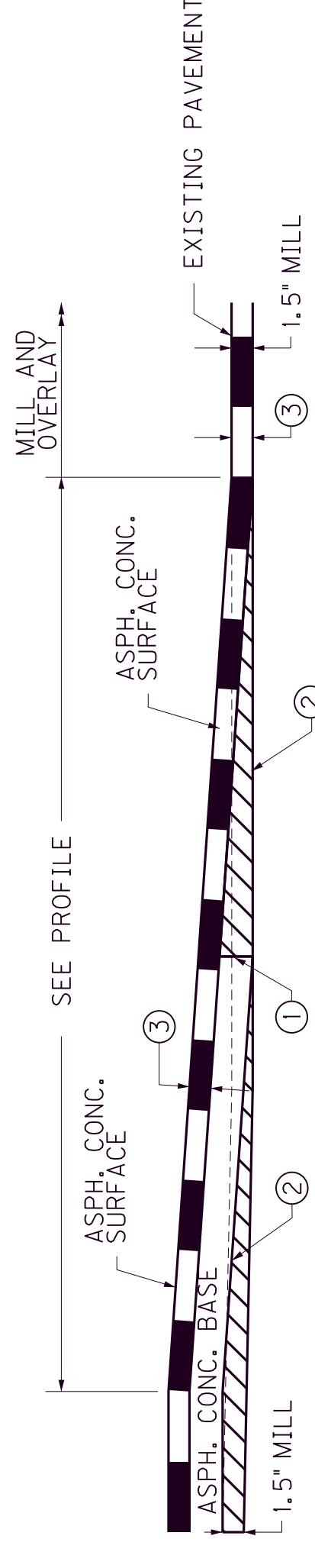
APPROX. 1.5" MILLING — 1.5" MILLING AND TEXTURING

#### FULL DEPTH OVERLAY

APPROX. 1.5" SURFACE — 1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22

APPROX. 3" BASE — 3" CLASS 4 ASPHALT BASE 1.00D PG76-22  
LEVELING AND WEDGING PG64-22  
1.5" MILLING AND TEXTURING

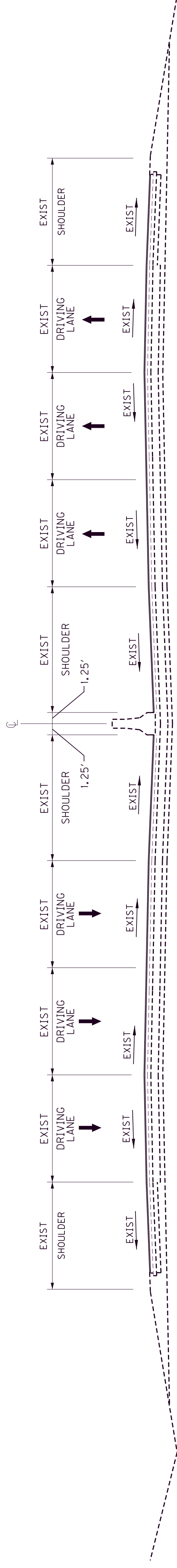
COUNTY OF	ITEM NO.	SHEET NO.
LAUREL	11-11.00	R2



- ① MINIMUM COMPACTED THICKNESS
- ② ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.
- ③ ASPHALT SURFACE THICKNESS (FULL DEPTH)
- ④ MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY).  
TAPER LENGTH (T) =  $\frac{t}{12} \times \text{TAPER RATE}$

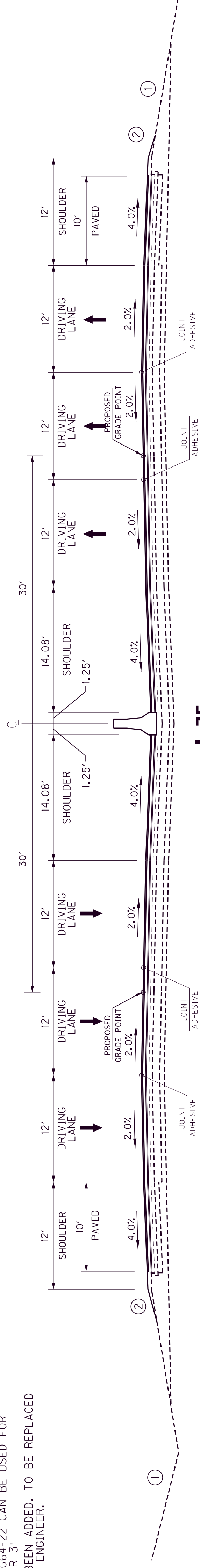
FOR A TAPER RATE OF 1:1200  
TAPER LENGTH = 125 FEET WHEN t = 1.25 inches  
TAPER LENGTH = 150 FEET WHEN t = 1.50 inches

## TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)

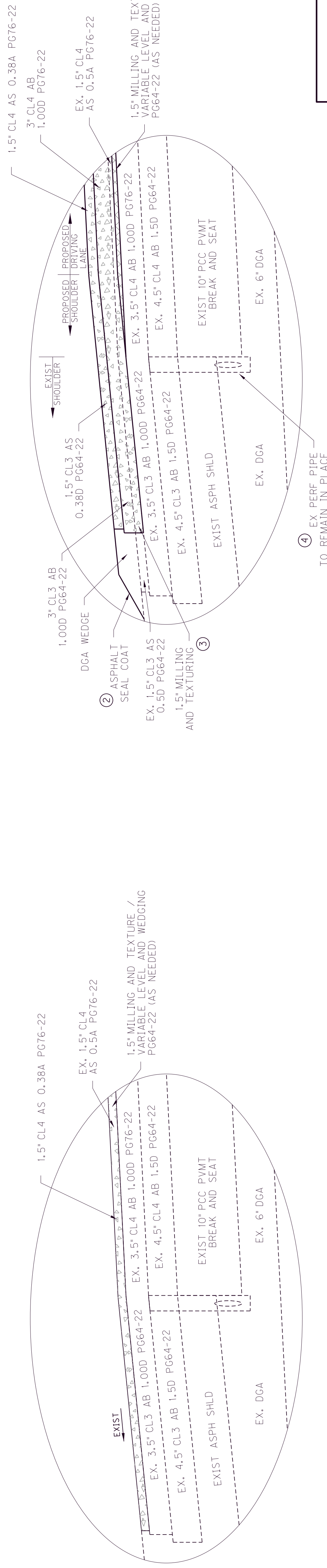


### I-75 OVERLAY SECTION STA. 2172+00 TO STA. 2177+00

- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
- ② 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 2.4 LBS/50 SQ. YD.  
ASPHALT SEAL AGGREGATE 20 LBS/50 YD. (Size #8 or 9M)
- ③ CL3 ASPHALT BASE 1.00D PG64-22 CAN BE USED FOR LEVELING AND WEDGING OVER 3".
- ④ A NOMINAL QUANTITY HAS BEEN ADDED. TO BE REPLACED AT THE DISCRETION OF THE ENGINEER.



### I-75 FULL DEPTH OVERLAY SECTION STA. 2177+00 TO STA. 2187+00



DETAIL "A"

DETAIL "A"

SCALE: 1"=12'

I-75  
OVERLAY  
TYPICAL SECTIONS

# TYPICAL SECTIONS I-75 OVERLAY

## I-75 - OVERLAY SECTIONS

### OVERLAY

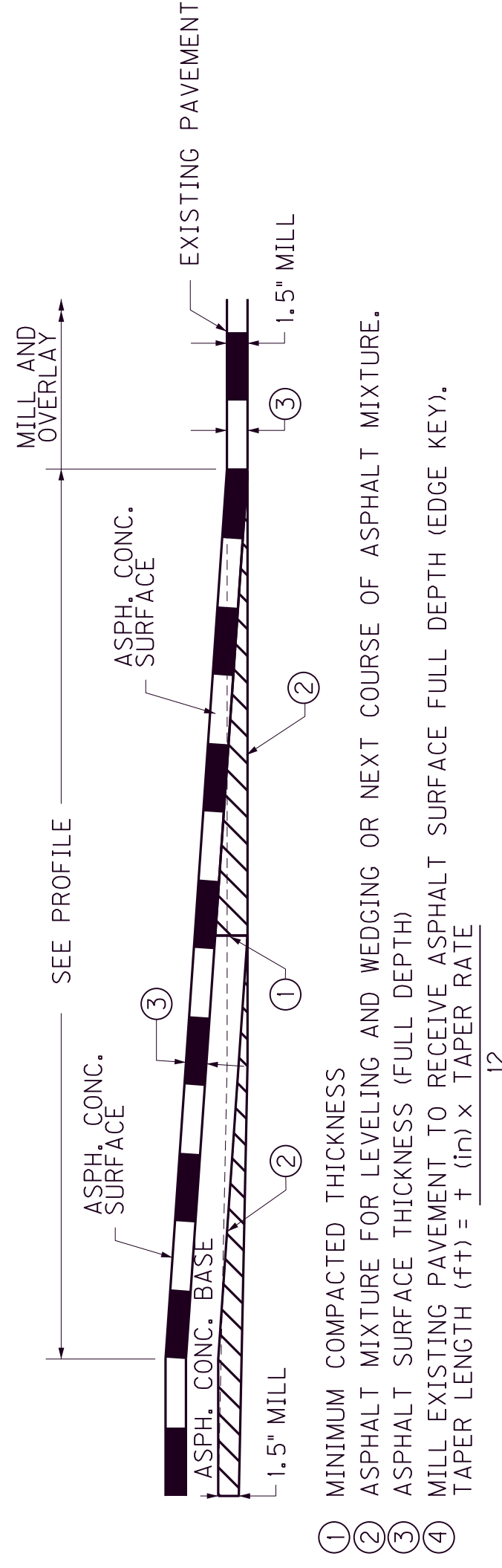
#### OVERLAY

- APPROX. 1.5" SURFACE — 1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
- APPROX. 1.5" MILLING — 1.5" MILLING AND TEXTURING

#### FULL DEPTH OVERLAY

- APPROX. 1.5" SURFACE — 1.5" CLASS 4 ASPHALT SURFACE 0.38A PG76-22
- APPROX. 3" BASE — 3" CLASS 4 ASPHALT BASE 1.00D PG76-22  
LEVELING AND WEDGING PG64-22  
1.5" MILLING AND TEXTURING

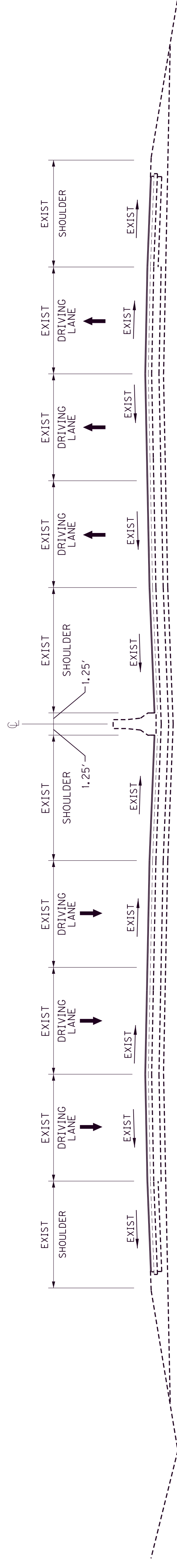
COUNTY OF	ITEM NO.	SHEET NO.
LAUREL	11-11.00	R2



- ① MINIMUM COMPACTED THICKNESS
- ② ASPHALT MIXTURE FOR LEVELING AND WEDGING OR NEXT COURSE OF ASPHALT MIXTURE.
- ③ ASPHALT SURFACE THICKNESS (FULL DEPTH)
- ④ MILL EXISTING PAVEMENT TO RECEIVE ASPHALT SURFACE FULL DEPTH (EDGE KEY).  
TAPER LENGTH (T) =  $\frac{t}{12} \times \text{TAPER RATE}$

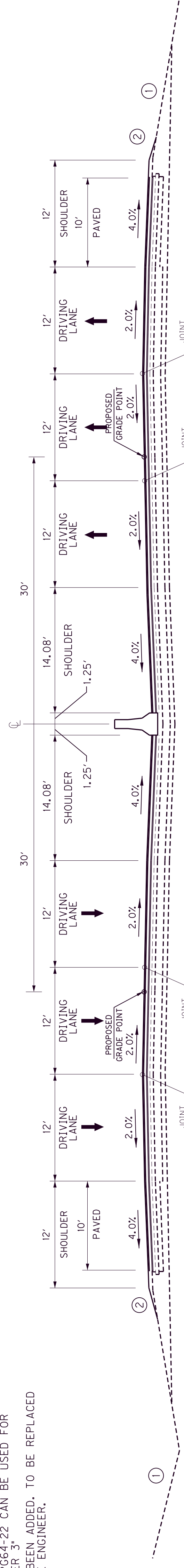
FOR A TAPER RATE OF 1:1200  
TAPER LENGTH = 125 FEET WHEN t = 1.25 inches  
TAPER LENGTH = 150 FEET WHEN t = 1.50 inches

## TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (≥45 MPH)

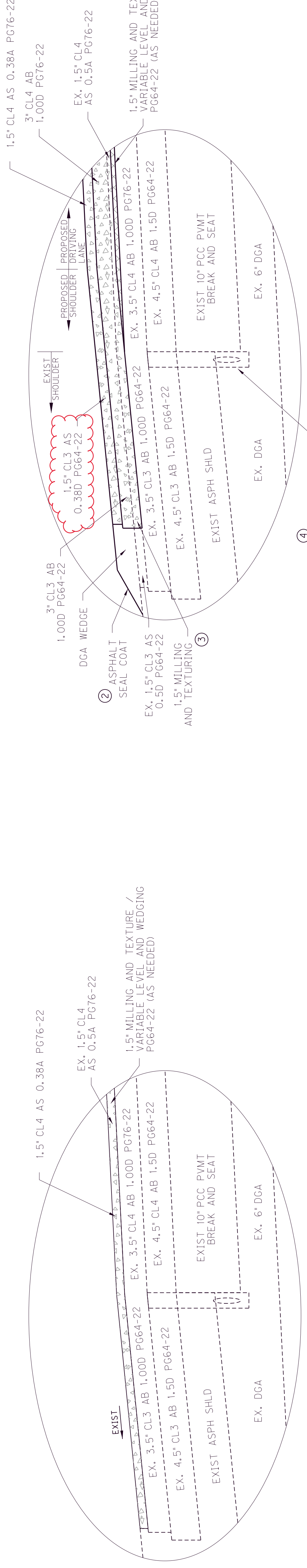


**I-75  
OVERLAY SECTION  
STA. 2172+00 TO STA. 2177+00**

- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS.
- ② 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 2.4 LBS/50 SQ. YD.  
ASPHALT SEAL AGGREGATE 20 LBS/50 YD. (Size #8 or 9M)
- ③ CL3 ASPHALT BASE 1.00D PG64-22 CAN BE USED FOR LEVELING AND WEDGING OVER 3"
- ④ A NOMINAL QUANTITY HAS BEEN ADDED. TO BE REPLACED AT THE DISCRETION OF THE ENGINEER.



**I-75  
FULL DEPTH OVERLAY SECTION  
STA. 2177+00 TO STA. 2187+00**



DETAIL "A"

DETAIL "A"

SCALE: 1"=12'

I-75  
OVERLAY  
TYPICAL SECTIONS











**PAVING AREAS**

ITEM	S U D O S										
	TRUCK CLIMBING LANE	MOT	ENTRANCE	KY 2041	US 25 NORTH CROSSING	US 25 SOUTH CROSSING	I-75	TOTAL PROJECT			
1.5" CL4 ASPH SURF 0.38A P64-22	12,600						304,253	316,853			
1.5" CL3 ASPH SURF 0.38D P64-22	9,761						193,012	202,773			
1.5" CL2 ASPH SURF 0.38D P64-22		1613	691			572	7,780	17,258			
4.5" CL4 ASPH BASE CK P64-22							247,407	247,407			
4.5" CL3 ASPH BASE CK P64-22							231,570	231,570			
3" CL4 ASPH BASE 1,00D P676-22							292,242	292,242			
3.5" CL4 ASPH BASE 1,00D P64-22							121,052	121,052			
3.5" CL3 ASPH BASE 1,00D P64-22							111,488	121,249			
3" CL3 ASPH BASE 1,00D P64-22							192,801	202,562			
3.75" CL2 ASPH BASE 1,00D P64-22							3,191	8,328			
3" CL2 ASPH BASE 1,00D P64-22							6,326	14,636			
2.25" CL2 ASPH BASE 1,00D P64-22							6,697	14,636			
DRAINAGE BLANKET-TYPE-II-ASPH (CUYD FROM X-SEC)							43,242	43,242			
4" DGA BASE								712			
6" DGA BASE							233,344	243,285			
9.75" DGA BASE							2,002	3,889			
FULL DEPTH DGA BASE (CUYD)							2,292	3,661			
LEVELLING & WEDGING P64-22 (CUYD FROM X-SEC)							29,851	30,760			
LEVELLING & WEDGING P64-22							59,105	60,905			
CL2 ASPH BASE 1,00D P64-22							1,701	4,219			
CL3 ASPH BASE 1,00D P64-22							2,165	4,219			
CL4 ASPH BASE 1,00D P64-22							53,274	57,113			
CL4 ASPH BASE 1,00D P676-22							23,303	23,303			
CL2 ASPH SURF 0.38D P64-22							48,220	48,220			
CL2 ASPH SURF 0.38D P64-22	48						15,924	16,729			
CL3 ASPH SURF 0.38D P64-22							25,101	26,141			
ASPHALT MATERIAL FOR TACK							188	560			
ASPHALT CURING SEAL							587	188			
SAND FOR BLOTTER							21,944	587			
ASPHALT PAVE MILLING & TEXTURING							57,314	188			
CL3 ASPH BASE CK P64-22							61,234	57,314			
CL4 ASPH BASE CK P64-22							61,234	61,234			

**PAVING SUMMARY**

ITEM CODE	ITEM	UNIT	I-75	US 25 SOUTH CROSSING	US 25 NORTH CROSSING	KY 2041	ENTRANCE	MOT	TRUCK CLIMBING LANE	TOTAL PROJECT
00001	DGA BASE	TON	85,248	3,083	3,739		164	556	1,066	93,856
00018	DRAINAGE BLANKET-TYPE-II-ASPH	TON	77,836							77,836
00020	TRAFFIC BOUND BASE	TON						500		500
00100	ASPHALT SEAL AGGREGATE	TON	643	44	46				84	817
00103	ASPHALT SEAL COAT	TON	77	5	6				10	98
00190	LEVELLING & WEDGING P64-22	TON	59,105					1,800		60,905
00212	CL2 ASPH BASE 1,00D P64-22	TON	1,701		2,165				86	4,219
00214	CL3 ASPH BASE 1,00D P64-22	TON	53,274					350	3,489	57,113
00217	CL4 ASPH BASE 1,00D P64-22	TON	23,303							23,303
00219	CL4 ASPH BASE 1,00D P676-22	TON	48,220							48,220
00301	CL2 ASPH SURF 0.38D P64-22	TON	545	642		48	57	2,882		4,174
00339	CL3 ASPH SURF 0.38D P64-22	TON	15,924					805		16,729
00342	CL4 ASPH SURF 0.38A P676-22	TON	25,101					1,040		26,141
00356	ASPHALT MATERIAL FOR TACK	TON								560
00358	ASPHALT CURING SEAL	TON	188							188
02702	SAND FOR BLOTTER	TON	587							587
02677	ASPHALT PAVE MILLING & TEXTURING	TON	21,944							23,033
24904EC	CL3 ASPH BASE CK P64-22	TON	57,314							57,314
24905EC	CL4 ASPH BASE CK P64-22	TON	61,234							61,234

**NOTES**

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
  - ② BASED ON 2 APPLICATIONS AT A RATE OF 20 LBS/SY.
  - ③ BASED ON 2 APPLICATIONS AT A RATE OF 2.4 LBS/SY.
  - ④ ESTIMATED AT 1.6 LBS. PER SQ. YD.
  - ⑤ ESTIMATED AT 5 LBS. PER SQ. YD.
  - ⑥ ESTIMATED AT 1.80 TONS PER CUB. YD.
  - ⑦ ESTIMATED AT 2.07 TONS PER CUB. YD.
  - ⑧ ESTIMATED AT 1.98 TONS PER CUB. YD.
  - ⑨ INCLUDES 350 TONS FOR EDGE DRAIN TRENCH CAP
  - ⑩ ESTIMATED AT 0.84 LBS. PER SQ. YD.
  - ⑪ INCLUDES 2,750 TONS FOR SHOULDER RUMBLE STRIP REMOVAL

**PAVING AREAS**

ITEM	S	U	A	R	E	Y	A	R	D	S
1.5" CL4 ASPH SURF 0.38A P64-22	304,253					12,600				316,853
1.5" CL3 ASPH SURF 0.38D P64-22	193,012						9,761			202,773
1.5" CL2 ASPH SURF 0.38D P64-22	6,602	7,780	572	691		1613				17,258
4.5" CL4 ASPH BASE CK P64-22	247,407									247,407
4.5" CL3 ASPH BASE CK P64-22	231,570									231,570
3" CL4 ASPH BASE 1,00D P64-22	292,242									292,242
3.5" CL4 ASPH BASE 1,00D P64-22	121,052						9,761			121,052
3.5" CL3 ASPH BASE 1,00D P64-22	111,488						9,761			121,249
3" CL3 ASPH BASE 1,00D P64-22	192,801							9,761		202,562
3.75" CL2 ASPH BASE 1,00D P64-22	3,191	5,137								8,328
3" CL2 ASPH BASE 1,00D P64-22	6,326	6,697				1613				14,636
2.25" CL2 ASPH BASE 1,00D P64-22			698							698
DRAINAGE BLANKET-TYPE-II-ASPH (CUYD FROM X-SEC)	43,242									43,242
4" DGA BASE				712						712
6" DGA BASE	233,344	3,191	5,137			1613				243,285
9.75" DGA BASE	2,002	1,887								3,889
FULL DEPTH DGA BASE (CUYD)	2,292	415	439			515				3,661
LEVELLING & WEDGING P64-22 (CUYD FROM X-SEC)	29,851				909					30,760
ASPHALT PAVE MILLING & TEXTURING (CUYD FROM X-SEC)	11,083	24			525					11,632
ASPHALT SEAL COAT	32,133	2,216	2,278							40,827
ASPHALT SEAL AGGREGATE	32,133	2,216	2,278			4,200				40,827
ASPHALT CURING SEAL	234,927									234,927
SAND FOR BLOTTER	234,927									234,927

**PAVING SUMMARY**

ITEM CODE	ITEM	UNIT	1-75	US 25 SOUTH CROSSING	US 25 NORTH CROSSING	KY 2041	ENTRANCE	MOT	TRUCK CLIMBING LANE	TOTAL PROJECT
00001	DGA BASE	TON	85,248	3,083	3,739		164	556	1,066	93,856
00018	DRAINAGE BLANKET-TYPE-II-ASPH	TON	77,836							77,836
00020	TRAFFIC BOUND BASE	TON						500		500
00100	ASPHALT SEAL AGGREGATE	TON	643	44	46				84	817
00103	ASPHALT SEAL COAT	TON	77	5	6				10	98
00190	LEVELLING & WEDGING P64-22	TON	59,105					1,800		60,905
00212	CL2 ASPH BASE 1,00D P64-22	TON	1,701	2,165			86	267		4,219
00214	CL3 ASPH BASE 1,00D P64-22	TON	53,274					350	3,489	57,113
00217	CL4 ASPH BASE 1,00D P64-22	TON	23,303							23,303
00219	CL4 ASPH BASE 1,00D P64-22	TON	48,220							48,220
00301	CL2 ASPH SURF 0.38D P64-22	TON	545	642	48		57	2,882	4,174	4,174
00339	CL3 ASPH SURF 0.38D P64-22	TON	15,924					805	16,729	16,729
00342	CL4 ASPH SURF 0.38A P64-22	TON	25,101					1,040	26,141	26,141
00356	ASPHALT MATERIAL FOR TACK	TON								560
00358	ASPHALT CURING SEAL	TON	188							188
02702	SAND FOR BLOTTER	TON	587							587
02677	ASPHALT PAVE MILLING & TEXTURING	TON	21,944					1,039		23,033
24904EC	CL3 ASPH BASE CK P64-22	TON	57,314							57,314
24905EC	CL4 ASPH BASE CK P64-22	TON	61,234							61,234

**NOTES**

- ① ESTIMATED AT .115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ② BASED ON 2 APPLICATIONS AT A RATE OF 20 LBS/SY.
- ③ BASED ON 2 APPLICATIONS AT A RATE OF 2.4 LBS/SY.
- ④ ESTIMATED AT 1.6 LBS. PER SQ. YD.
- ⑤ ESTIMATED AT 5 LBS. PER SQ. YD.
- ⑥ ESTIMATED AT 1.80 TONS PER CUB. YD.
- ⑦ ESTIMATED AT 2.07 TONS PER CUB. YD.
- ⑧ ESTIMATED AT 1.98 TONS PER CUB. YD.
- ⑨ INCLUDES 350 TONS FOR EDGE DRAIN TRENCH CAP

- ⑩ ESTIMATED AT 0.84 LBS. PER SQ. YD.
- ⑪ INCLUDES 2,750 TONS FOR SHOULDER RUMBLE STRIP REMOVAL



# MAINTENANCE OF TRAFFIC I-75

## TRAFFIC CONTROL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
LAUREL	II-11.00	R83

**7. REMOVAL OF EXISTING PAVEMENT MARKERS**

The lenses of the existing pavement markers shall be removed prior to showing a conflicting marking scheme during any construction phase.

**8. EXISTING RUMBLE STRIPS**

The existing rumble strips on the Northbound and Southbound outside shoulder shall be removed prior to shifting traffic in Phase I by milling 1.5" deep 4 feet wide (may be field adjusted to match existing surface layer). This area shall then be overlaid with 1.5" CL2 ASPH SURF 0.380 PG64-22. All exposed areas that have been milled will be replaced with asphalt before the lane closure can be removed. Quantities for both milling and asphalt surface have been included in the plans.

**9. DOUBLE FINE NOTE**

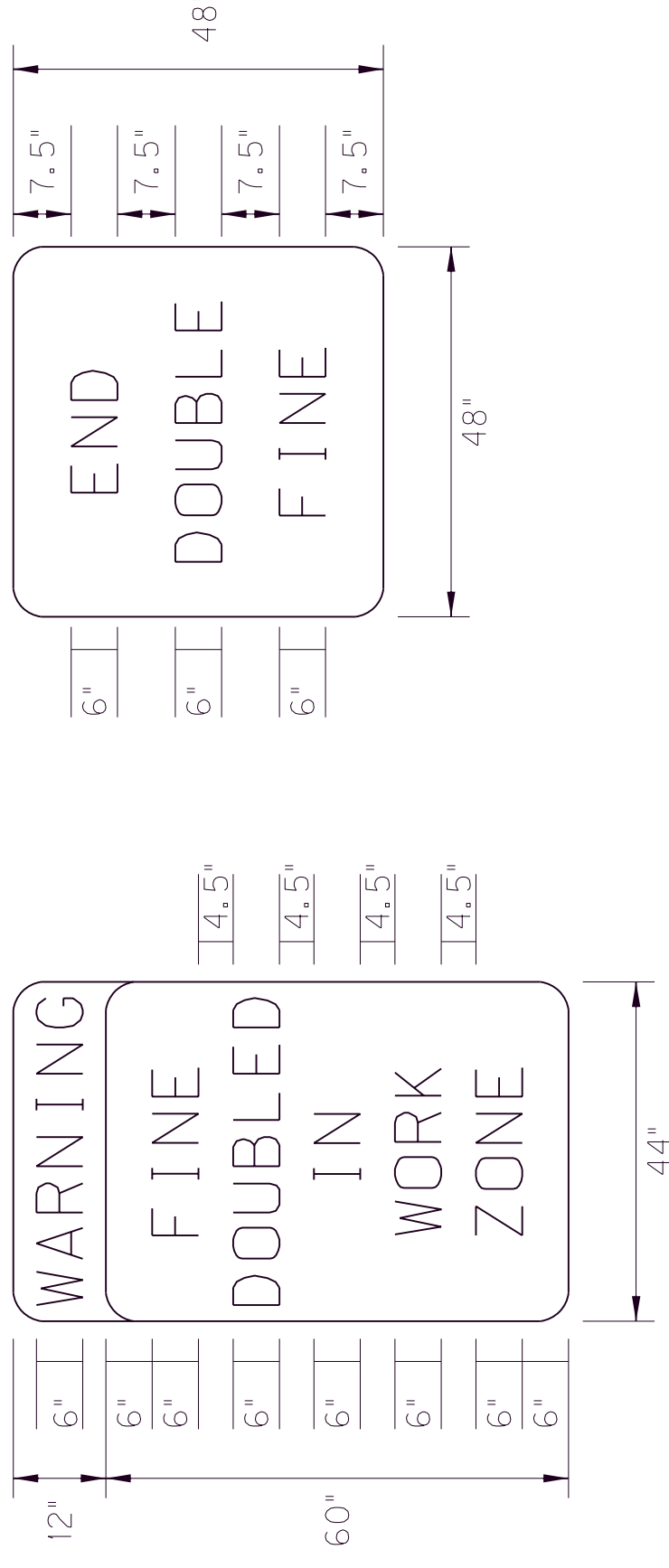
Locations not routinely protected by a barrier wall are eligible for DOUBLE FINE signs. A highway zone which has barrier wall but in which unusual or hazardous conditions exist which expose the workers to traffic hazards shall be eligible for the placement of the DOUBLE FINE signs. However, the double fine signs shall only be placed in portion of highway work zone where workers are exposed to traffic hazards.

The Contractor shall notify the Project Engineer at least 12 hours prior to using the DOUBLE FINE signs.

The Project Engineer shall contact the "Drive Smart Coordinator" with any project with double fines.

At the beginning of highway work zone, the "FINE DOUBLED IN WORK ZONE" sign will be placed. At the end of the highway work zone, the "END DOUBLE FINE" sign will be placed. The signs shall be removed or covered when the highway work zone does not have workers for more than two (2) hour period of time.

Payment for the signs shall be a unit bid price for sign erected. The moving and covering of signs shall be incidental to the bid item Maintain and Control Traffic.



**10. SPEED LIMIT**

The speed limit will be reduced to 55 mph along the I-75 work zone. Reduce Speed Ahead signs (R2-5A) and 55 mph signs (R2-1) shall be installed both Northbound and Southbound. The speed limit will be reduced to 45 mph along the US 25 work zone. Reduce Speed Ahead signs (R2-5A) and 45 mph signs (R2-1) shall be installed along the approaches to the work zone. Payment for these signs shall be included in the bid item Temporary Signs.

**11. CONCRETE BARRIER WALL DELINEATORS**

An estimated quantity of delineators for the existing and permanent concrete barrier walls (mono white and mono yellow) is included on the General Summary. Delineators are to be installed on the existing and permanent barrier walls, bridge barrier walls, and temporary barrier walls, prior to shifting traffic next to them. Contrary to the Standard Drawing RBM-020, delineators for permanent barrier walls will be required every 50 feet and delineators on temporary barrier walls will be required every 20 feet.

Delineators placed on the permanent concrete barrier wall shall conform to the location of traffic in each phase. Specifically, during construction Phase II, III and IV when one lane of traffic is shifted to opposite side of the barrier wall. After Phase IV construction the delineators shall conform to the permanent traffic pattern.

**CONSTRUCTION ACCESS**

The Contractor will not be allowed to drive or haul construction equipment across the median from one side of the interstate to the other side, unless appropriate Barrier Wall Gates and/or lane closures are installed. All other equipment movements from one side of the interstate to the other shall utilize the nearest interchange. Hauling equipment that uses I-75 shall be restricted to licensed vehicles only. Vehicles shall not park or stop except within work areas designated by the Engineer. Location of temporary Barrier Wall Gates shall be approved by the engineer. When constructing temporary gates for access/egress from the median, the contractor shall construct grading, drainage, and pavement for the full median width through the asphalt base course which matches grade to the existing mainline driving lanes. Any shoulder used for the deceleration lane and acceleration lane shall be widened and paved to adequately support heavy truck traffic. All expense to construct Barrier Wall Gates including but not limited to signing, widening and surfacing the existing shoulders, delineation, additional temporary barrier wall and crash cushions, and the removal of the existing shall be the responsibility of the Contractor and be incidental to the contract.

**13. LIQUIDATED DAMAGES AND DISINCENTIVES**

The following damages will be assessed if road closures are kept for longer than 15 minutes:

- 15 minutes to 30 minutes: \$1,000
- 30 minutes to 45 minutes: \$2,000
- 45 minutes to 60 minutes: \$4,000

All road closures longer than 60 minutes will be assessed damages of \$4,000 per hour or fraction thereof. Damages for any fraction of an hour will be charged at the full \$4,000 hourly rate. Interruptions to traffic shall not occur more than once in a period of permitted road closures unless normal traffic flow has been restored and the Engineer approves another road closure.

The contractor shall submit in writing plans for stopping traffic which will be reviewed for approval by the Department of Highway and the FHWA.

A disincentive fee of \$1,300 per lane closure per hour will be charged for the first hour or fraction of an hour that two lanes in each direction of I-75 are not open excepting for the permitted hours as denoted as "Hours of Low Traffic Volumes". The \$1,300 per lane closure per hour disincentive also will be assessed for any single lane closure not specifically permitted in the traffic control plan. Lane closures in place for more than one hour in excess of permitted hours will be charged disincentive fees at a higher rate. The disincentive fee for the second hour of lane closure in place beyond permitted hours will be \$2,600 per lane closure per hour. The disincentive fee for the third hour of lane closure in place beyond permitted hours and for any additional hour or portion of an hour will be \$4,000 per lane closure per hour.

Lane closure liquidated damages shall be in addition to the above road closure liquidated damages for the duration of the project.

Lane closure and road closure liquidated damages are in addition to any project liquidated damages assessed due to project completion.

**14. PORTABLE CHANGEABLE MESSAGE SIGN**

The contractor shall furnish and maintain ten (10) changeable message signs. The contractor shall install, operate, and maintain the changeable message signs through the completion of the project. They shall be placed in a location designated or approved by the Engineer. The changeable message signs will be in accordance with "Special Note for Portable Changeable Message Signs". The changeable message signs will remain the property of the contractor after construction is completed.

**15. FLASHING ARROWS**

Long term arrow panels will be paid for per section 112.04.05 of the Standard Specifications, Current Edition.

**16. TEMPORARY CRASH CUSHIONS**

Temporary crash cushions required for this project will be paid for at the contract price each when hit or damaged by the public and not through contractor's negligence. This does not apply to crash cushions required along Temporary Concrete Barrier Gates or crash cushions installed on barrier wall for the contractors convenience, as replacement of these will be incidental to the contract.

**17. TRAFFIC CONTROL DEVICES**

Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the contractor when no longer needed.

**18. CONFLICTING TRAFFIC CONTROL**

The contractor shall completely cover any signs, either existing, permanent, or temporary, which do not properly apply to the current traffic phasing, and shall maintain the covering until the signs are applicable or removed. Remove any pavement markings or devices that do not comply with the current traffic phasing. Pavement striping removal will be incidental to "Maintain and Control Traffic".

**19. NO MEDIAN STOCKPILING**

The contractor shall not stockpile earthwork in the median to prevent saturation of the underlying subgrade when construction activities are not being performed.

**20. WORKING OUT OF PHASE**

The contractor shall not advance to a subsequent phase until all work from the previous phase is complete. The contractor shall not work outside of the phased work zones shown in the traffic control scheme unless approved by the engineer.

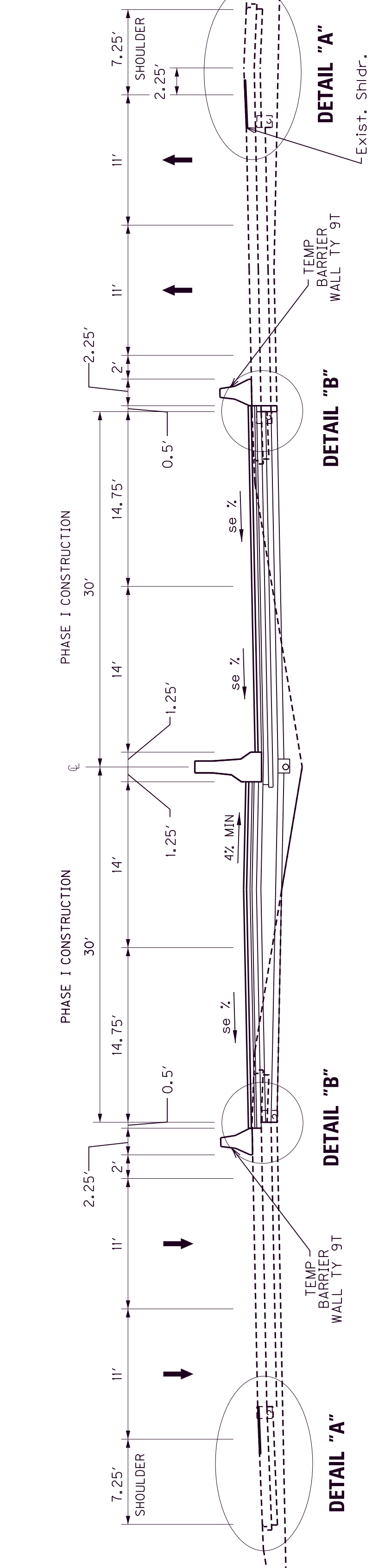
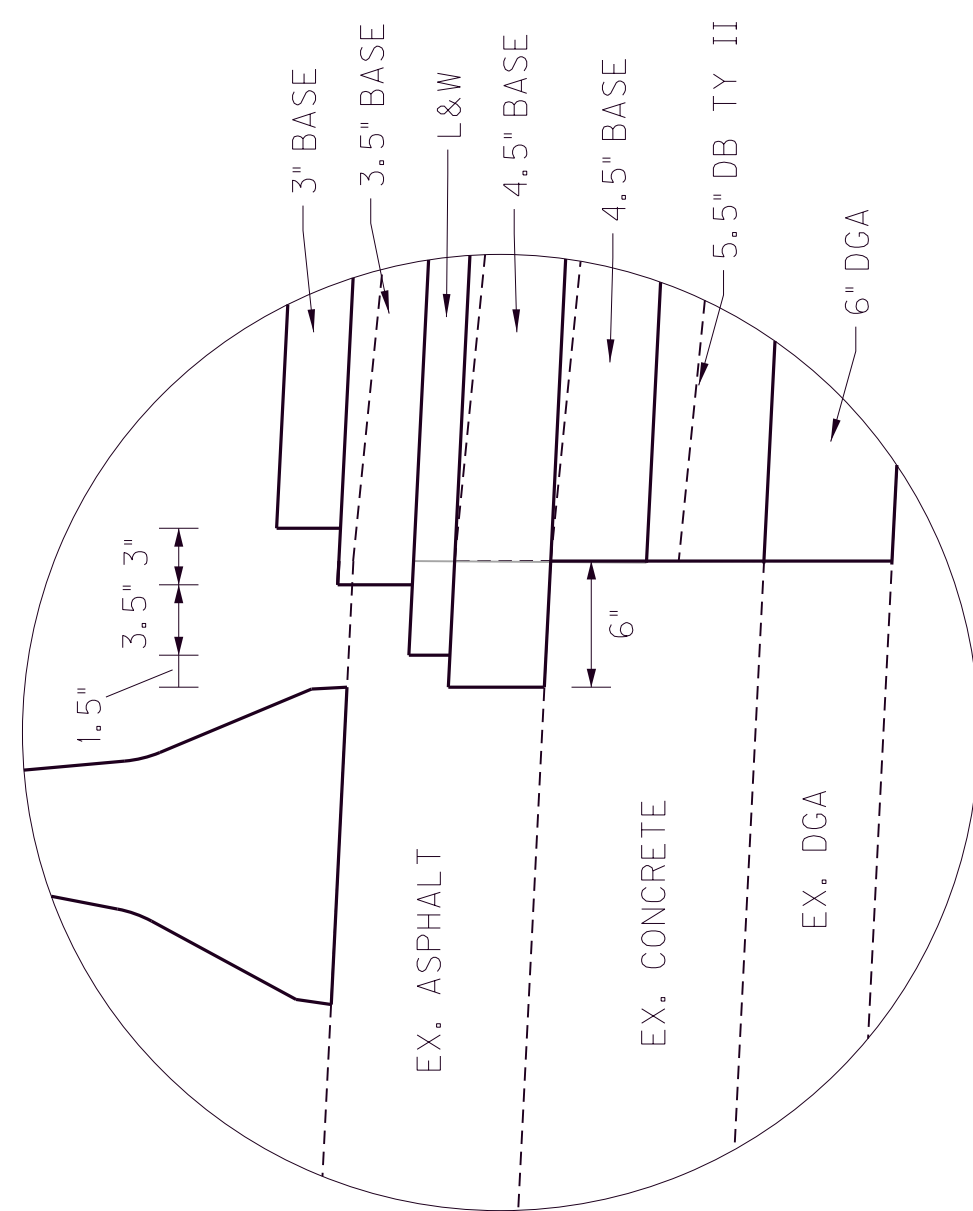
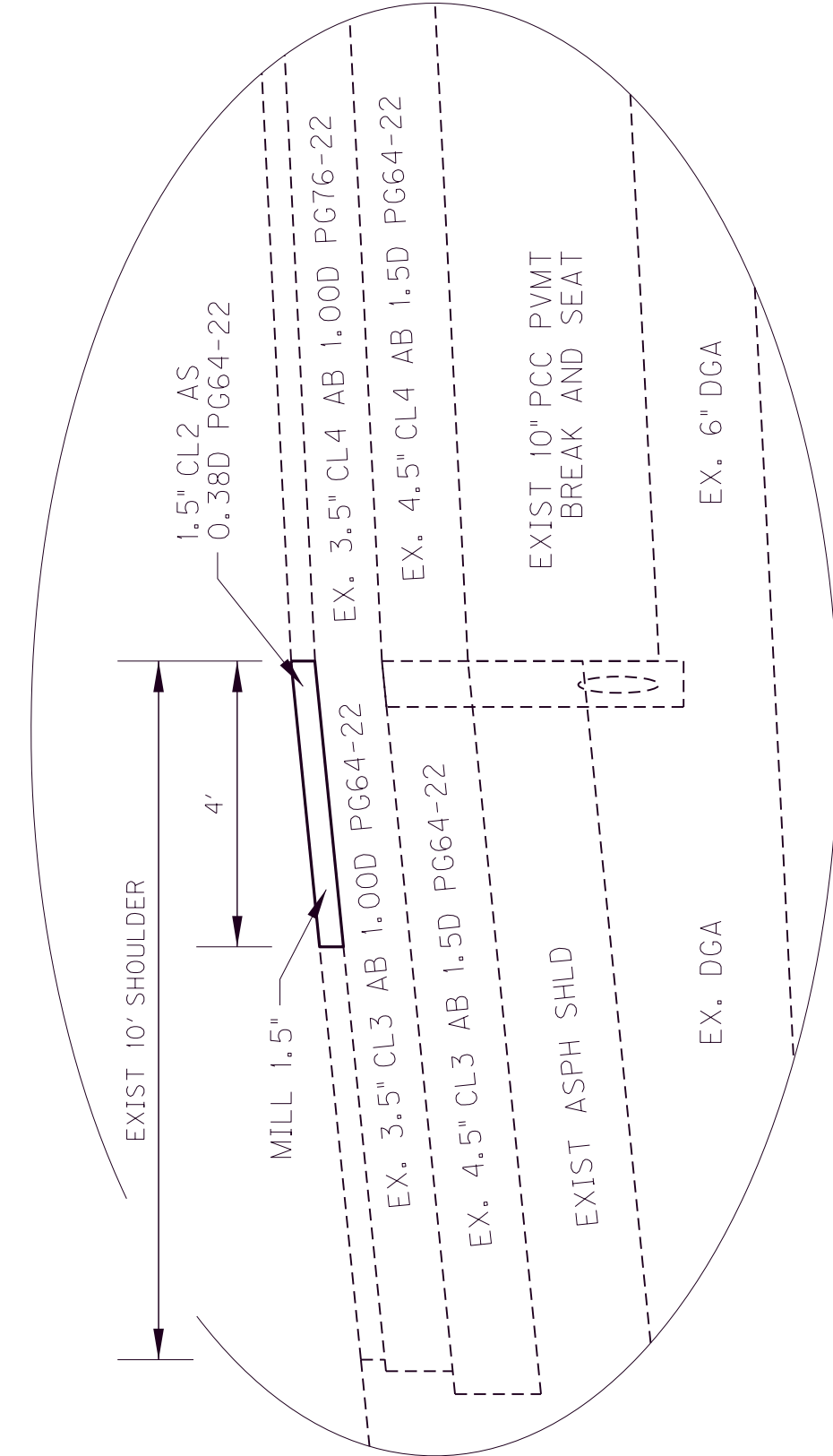
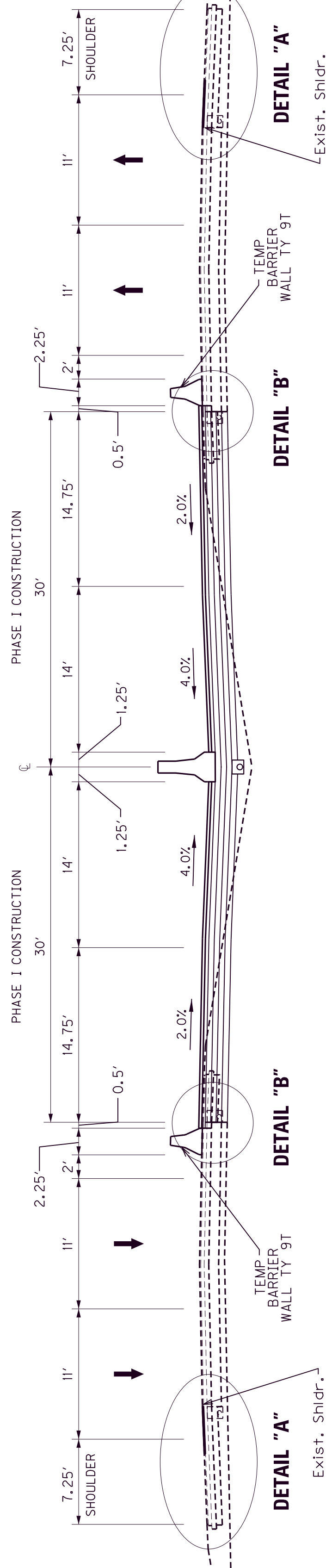






# MAINTENANCE OF TRAFFIC I-75 PHASE I

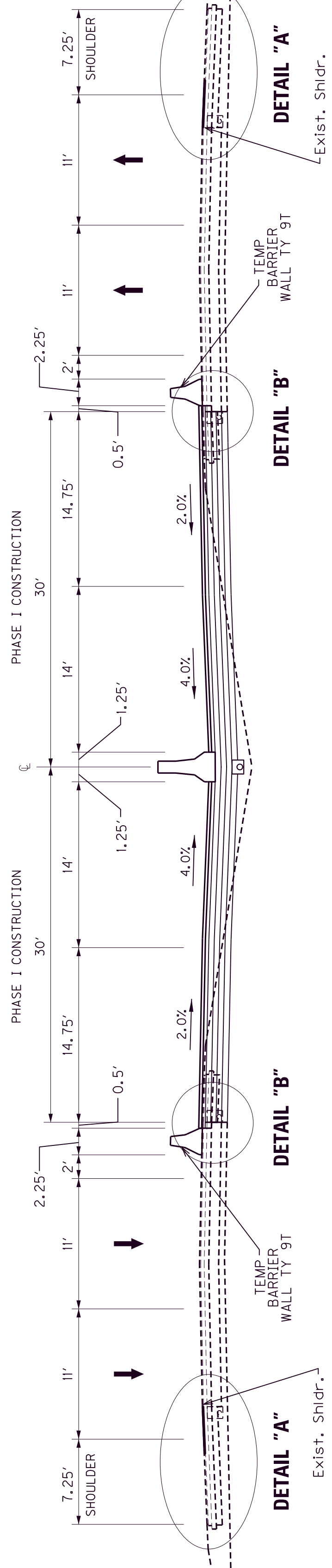
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LAUREL	11-11.00	R88



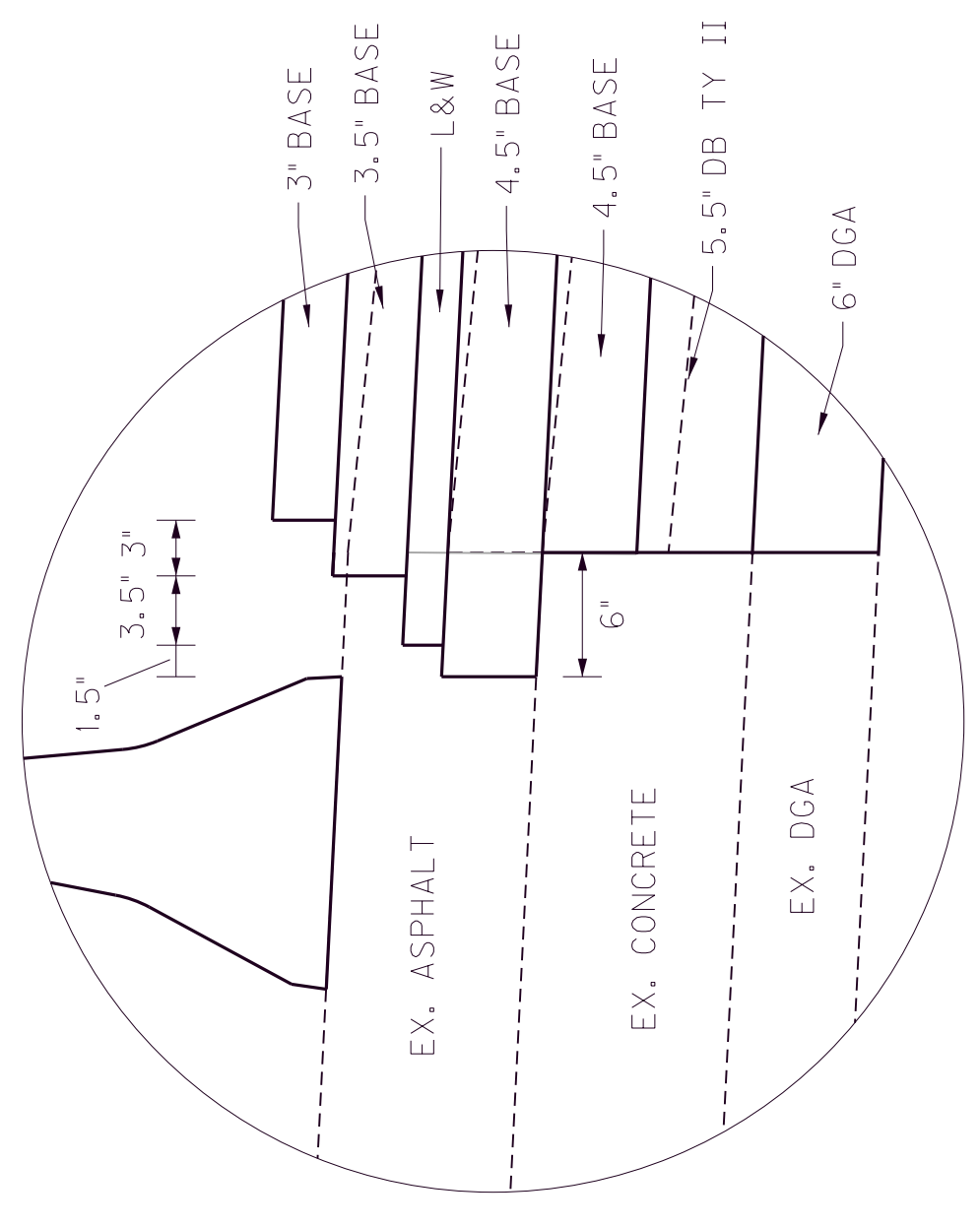
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	CONSTRUCT THIS PHASE
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# MAINTENANCE OF TRAFFIC I-75 PHASE I

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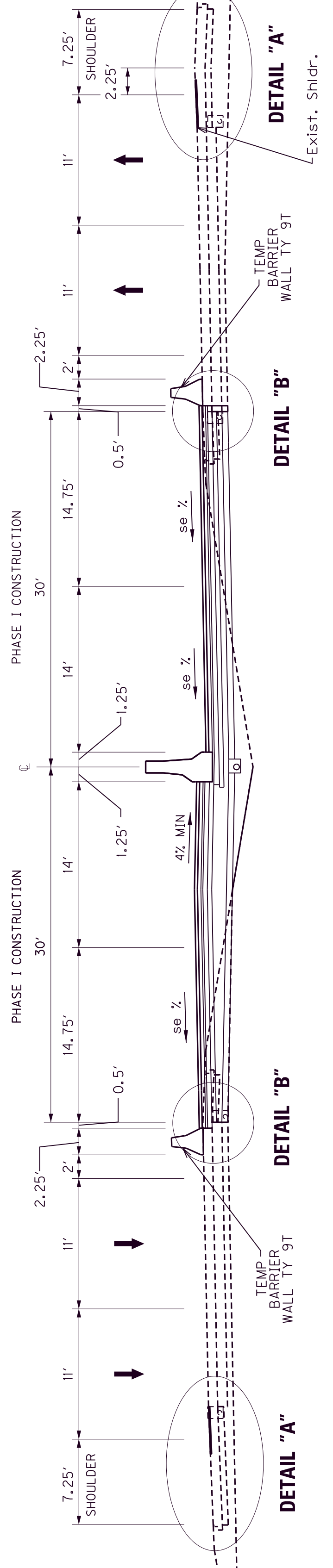


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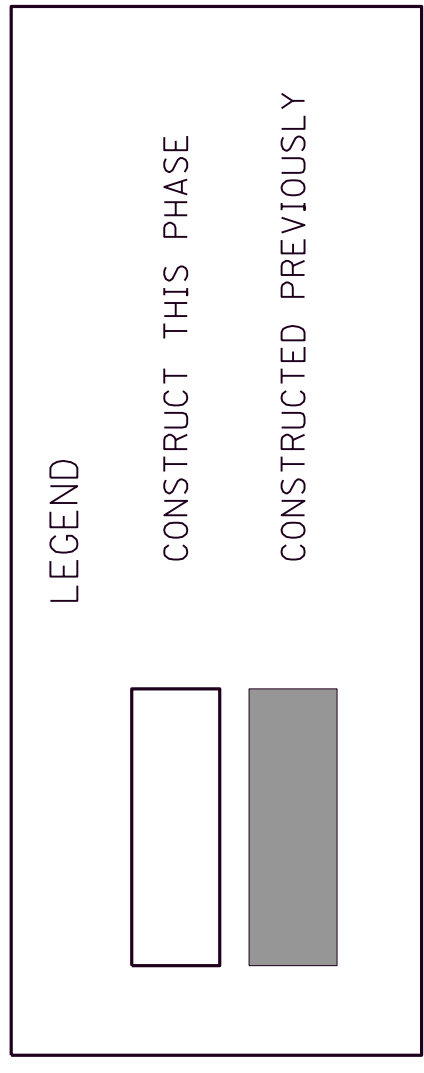


DETAIL "A"

DETAIL "B"



**SUPERELEVATED SECTION**



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 DATE PLOTTED: October 23, 2019  
 USER: msjps

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