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Eric S. Brown

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TENNESSEE DEPARTMENT OF TRANSPORTATION
300 BENCHMARK PLACE
BUILDING A, FIRST FLOOR
JACKSON, TN 38301
ERIC S. BROWN, P.E. NO. 120440

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN4
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A
ESTIMATED ROADWAY QUANTITIES.....	2-1
TABULATED QUANTITIES.....	2F1

YEAR	PROJECT NO.	SHEET NO.
2025	STP-1(202)	ROADWAY-SIGN4

REV 06-24-25: ADDED SHEET.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

ROADWAY INDEX

SHEET NAME

SHEET NO.

DWG.

REV.

DESCRIPTION

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NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.

Footnotes:

STANDARD ROADWAY DRAWINGS

DWG.

REV.

DESCRIPTION

10-102.00 PIPE CULVERTS AND ENDWALLS

D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	03-01-23	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-4	01-09-24	PIPE COLLAR DETAILS
D-PG-3	06-28-19	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
D-PO-1	06-28-19	STANARD OVAL AND REINFORCED CONCRETE ARCH PIPE CULVERT
D-PE-18A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-24A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-30A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-30B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-99	03-04-21	TYPE "U" CROSS DRAIN ENDWALL DETAILS, PIPE GRATE & SKEWED CONNECTION
D-SEW-1A	07-07-23	TYPE "SAFETY" SIDE ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18" TO 72", ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-2		PROTECTED ENDWALLS FOR ROUND PIPES DETAILS & QUANTITIES (PIPE SIZES 18" TO 72", ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-3		PROTECTED ENDWALLS FOR OVAL PIPES DETAILS & QUANTITIES (EQU. PIPE SIZES 18" TO 72", ALL SKEWS, 2:1 & 3:1 SLOPES)

10-103.00 CATCH BASINS AND MANHOLES

D-CB-10SB	02-20-20	STANDARD 4' X 4' SQUARE CONCRETE NO. 10 CATCH BASIN
D-CB-25P	02-20-20	STANDARD PRECAST RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25RA	01-28-22	STANDARD PRECAST 48" CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25RB	02-20-20	STANDARD PRECAST CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25S	02-20-20	STANDARD RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-25SB	02-20-20	STANDARD 4' X 4' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-26P	02-20-20	STANDARD PRECAST RECTANGULAR CONCRETE NO. 26 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-26S	02-20-20	STANDARD RECTANGULAR CONCRETE NO. 26 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-27S	02-20-20	STANDARD RECTANGULAR CONCRETE NO. 27 CATCH BASIN (FOR USE WITH 6" SLOPING CURB)
D-CB-42RB	02-20-20	STANDARD PRECAST CIRCULAR NO. 42 CATCH BASIN
D-CB-42SB	02-20-20	STANDARD 4' X 4' SQUARE CONCRETE NO. 42 CATCH BASIN
D-RL-3		ROUND LID DETAILS FOR SINGLE OPENING AREA DRAIN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	STP-1(202)	1A
PS&E	2025	STP-1(202)	1A

REV. 05-19-2025: ADDED ROADWAY-SIGN 2
REV. 06-16-2025: ADDED ROADWAY-SIGN 3
REV. 06-24-2025: ADDED ROADWAY-SIGN 4

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

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REV 06-16-25: ADDED ITEM 806-02.03.
REV 06-24-25: REVISED ITEM 303-01 FOR
TERNATE AA1 AND AA2.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	STP-1(202)	2F1
PS&E	2025	STP-1(202)	2F1

REV. 06-24-25: REVISED ITEM 303-01 FOR ALTERNATE AA1 AND AA2 IN THE PAVEMENT QUANTITIES TABULATION BLOCK.

CROSS DRAIN TABULATION																			
LOCATION	STATION	SKEW	RCP CLASS III FILL HEIGHT ≤ 16 FT. (L.F.)						RCP CLASS IV FILL HEIGHT ≤ 16 FT. (L.F.)						END TREATMENT				REMARKS
															INLET		OUTLET		
			18"	24"	30"	36"	42"	48"	18"	24"	30"	36"	42"	48"	TYPE	DRAWING NO.	TYPE	DRAWING NO.	
MISSIONARY GROVE	68+23.40	87°	47											U	D-PE-18A	U	D-PE-18A		
MISSIONARY GROVE	69+14.81	74°			66									U	D-SEW-1A	U	D-SEW-1A		
MISSIONARY GROVE	42+55.15	86°				57								A	D-PEW-1/ D-PEW-2	A	D-PEW-1/ D-PEW-2		
CUT-OFF	28+24.00	80°						56						A	D-PWE-1/ D-PEW-3	A	D-PWE-1/ D-PEW-3	68"X43" OVAL CONC. CULVERT TO BE USED	
OLD HWY 70	31+10	90°		30										U	D-PE-30A	U	D-PE-30A	30"X19" OVAL CONC. CULVERT TO BE USED	
				30									U	D-PE-30A	U	D-PE-30A	30"X19" OVAL CONC. CULVERT TO BE USED		
BROOK LANE	83+02.65	86°										85		A	D-PEW-1/ D-PEW-2	A	D-PEW-1/ D-PEW-2	JACKED-IN-PLACE	
TOTALS			47	60	66	57		56				85		Pipe Tabulation For Local Roadways					

PAVEMENT QUANTITIES													
LOCATION (ROADWAY)	ALTERNATE	TYPE - GRADE - PAY ITEM (TON)											
		MINERAL AGG.	CEMENT TREATED BASE (A-CBC)			BITUMINOUS PLANT MIX BASE (HOT MIX)			PRIME COAT		TACK COAT	ASPHALTIC CONCRETE SURFACE (HOT MIX)	
		D				A	A-S	B-M2				D	E
		303-01	309-01.01	309-01.02	309-02	307-01.01	307-01.20	307-01.08	402-01	402-02	403-01	411-01.10	411-01.07
S.R.1 (C&G)	1/2					21256.0	9667.0	9285.0	92.0	302.0	68.3	5425.0	
S.R. 1 (GRADED SHLDR.)	1/2					14960.0	12380.0	12087.0	118.0	387.0	66.6	5296.0	1697.0
MAPLE	1/2	826.0						187.0	2.1	6.80	0.8	88.0	
BENCO	1/2	404.0						93.0	1.0	3.30	0.4	43.0	
BENCO	1/2	345.0						79.0	0.9	2.80	0.4	37.0	
CUT-OFF ROAD	1/2	418.0						96.0	1.1	3.40	0.4	45.0	
OLD HWY. 70	1/2	1358.0						311.0	3.4	11.10	1.4	144.0	
MISSIONARY GROVE	1/2	488.0						112.0	1.2	4.00	0.5	52.0	
PALMER	1/2	694.0						144.0	1.4	4.70	0.6	61.0	
STONE	1/2	536.0						123.0	1.4	4.40	0.6	57.0	
BLACKBURN	1/2	523.0						120.0	1.3	4.30	0.6	56.0	
MISSIONARY GROVE	1/2	410.0						94.0	1.1	3.40	0.4	44.0	
GOODMAN	1/2	510.0						117.0	1.3	4.20	0.5	55.0	
OLD RT. 1	1/2	535.0						123.0	1.4	4.40	0.6	57.0	
HWY 70 E. ACCESS	1/2	473.0						108.0	1.2	3.90	0.5	51.0	
BROOK LANE	1/2	293.0						67.0	0.8	2.40	0.3	31.0	
OLD RT. 1	1/2	670.0						153.0	1.7	5.40	0.7	71.0	
RAMP A	1/2	1254.0						287.0	3.1	10.10	1.3	133.0	
RAMP B	1/2	1114.0						127.0	1.4	4.50	0.6	59.0	
CAMDEN LANDING	1/2	565.0						129.0	1.4	4.60	0.6	60.0	
RAMP E	1/2	293.0						67.0	0.8	2.40	0.3	31.0	
DRIVEWAYS	1/2	1997.0						564.0	14.0	44.3	2.7	700.0	
TRAFFIC CONTROL	1/2	27820.0				4173.0		2733.0	37.0	145.0	21.0	1683.0	
S.R.1 (C&G)	1	36221.0											
S.R. 1 (GRADED SHLDR.)	1	83098.0											
S.R.1 (C&G)	2		23926.0	1171.0	69.0								
S.R. 1 (GRADED SHLDR.)	2	30363.0	18574.0	909.0	54.0								
TOTALS						40389.0	22047.0	27206.0	289.0	968.4	170.0	14279.0	1697.0
TOTALS - ALT AA1		160845.0											
TOTALS - ALT AA2		71889.0	42500.0	2080.0	123.0								

RIGHT OF WAY MARKERS				
	Item #: 708-02.01			
SHEET NO.	QUANTITIES			
	"A"	"B"	"C"	TOTALS
4AA	3	3		6
5AA	4	8	2	14
6AA	2	9	5	16
7AA	4	11	3	18
8AA	1	6	1	8
9AA		2	1	3
10AA	17	4	11	32
11AA	4	8	5	17
12	6	5	4	15
13	10	4	2	16
14				
15				
16				
17		2	3	5
18		1		1
19				
20				
TOTALS	51	63	37	151

ENDWALL RIP-RAP					
ROADWAY	STATION	SIDE	DETAIL NO.	MACHINED RIP-RAP	
				CLASS A1 709-05.06 (TON)	CLASS B 709-05.08 (TON)
CUT-OFF RD.	28+13.92	RT	E-E	19.0	
CUT-OFF RD.	28+31.69	LT	F-F	15.0	
MISSION GROVE CHURCH	42+50.00	RT	G-G	5.0	
MISSION GROVE CHURCH	42+60.00	LT	H-H	5.0	
SR-1 (US-70)	200+07.26	LT	A-A		33.0
MISSION GROVE CHURCH	68+78.93	RT	N/A		42.0
BROOK LN.	83+02.65	RT	D-D	8.0	
BROOK LN.	83+02.65	LT	C-C		26.0
TOTALS				52	101

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TABULATED QUANTITIES