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TENNESSEE DEPARTMENT OF TRANSPORTATION
7512 VOLKSWAGEN DRIVE

CHATTANOOGA, TN 37416
JOSEPH H. BURCHFIELD, P.E. NO. 122745

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 SHEETS.....	ROADWAY-SIGN4
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A
ESTIMATED ROADWAY QUANTITIES	2, 2-1

YEAR	PROJECT NO.	SHEET NO.
2025	71951-3510-04	ROADWAY-SIGN4
REV. 09-30-25 SHEET ADDED.		
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION		
SIGNATURE SHEET		

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ROADWAY INDEX

SHEET NAME	SHEET NO.	DWG.	REV.	DESCRIPTION
SIGNATURE SHEETS.....	ROADWAY-SIGN1-4	RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
TITLE SHEET	1	RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A	RD-L-8	02-20-20	STANDARD LEGEND FOR NATURAL STREAM DESIGN
STANDARD ROADWAY DRAWINGS.....	1A1	10-101.00 ROADWAY DESIGN STANDARDS		
STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS.....	1A2	RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
PROJECT COMMITMENTS.....	1B	RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
ESTIMATED ROADWAY QUANTITIES.....	2 – 2-1	RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
ESTIMATED BOX BRIDGE QUANTITIES.....	2A	RD11-TS-1	06-28-19	DESIGN STANDARDS FOR LOW-VOLUME ROADS
TYPICAL SECTIONS AND PAVEMENT SCHEDULE.....	2B, 2B1, 2B2	RD11-TS-2		DESIGN STANDARDS FOR COLLECTORS, 2-LANE ROADS AND STREETS
GENERAL NOTES.....	2C, 2C1	RD11-TS-7B	07-17-20	DESIGN STANDARDS 2-LANE HIGHWAYS WITH CONTINUOUS 2-WAY LEFT-TURN LANE
SPECIAL NOTES.....	2D	RD11-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
ENVIRONMENTAL NOTES.....	2E	RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
TABULATED QUANTITIES	2F, 2F1	RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS.....	3	RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RIGHT-OF-WAY ACQUISITION TABLE AND PROPERTY MAP(S).....	3A – 3C	RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
PRESENT LAYOUT(S).....	4 – 7	RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RIGHT-OF-WAY DETAILS	4A – 7A	10-102.00 PIPE CULVERTS AND ENDWALLS		
PROPOSED LAYOUT(S)	4B – 7B	D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
PROPOSED PROFILE(S)	4C – 6C	D-PE-18A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
SIDE ROADS PROFILE(S)	8 – 11	D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S).....	12 – 13	D-PE-24A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
DRAINAGE MAP(S).....	14 – 15	D-PE-24B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE, BILL OF STEEL AND PRECAST NOTES
CULVERT SECTION(S)	16 – 19	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)
EROSION PREVENTION AND SEDIMENT CONTROL PLANS.....	20, 21, 22-22C, 23-23D, 24-24C	D-PE-30B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE, BILL OF STEEL AND PRECAST NOTES
SIGN SCHEDULE SHEET(S).....	25	D-PE-36A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
ROADWAY CROSS SECTIONS	26 – 49	D-PE-36B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE, BILL OF STEEL AND PRECAST NOTES
SIDE ROAD CROSS SECTIONS.....	50 – 70	D-NSD-30	05-01-20	SUBSTRATE RESTORATION
TRAFFIC CONTROL PLANS	T1 – T8	D-SEW-1A	07-07-23	TYPE "SAFETY" SIDE ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE
GEOTECHNICAL PLANS	G-1	10-104.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS.....	S-1	S-F-1	03-01-23	HIGH VISIBILITY FENCE
UTILITIES PLANS.....	U1–1	RP-R-1A		STANDARD RAMP DETAILS FOR LOW VOLUME RURAL ROADWAYS
NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.				
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS				
RD-TP-1	09-26-16	STANDARD ROADWAY DRAWINGS TITLE SHEET		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L		
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z		
RD-L-1	02-20-20	STANDARD LEGEND		
RD-L-1A		STANDARD LEGEND		
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING		
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING		
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL		

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
10-106.00	SAFETY DESIGN AND GUARDRAILS	
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-CC-1	01-09-24	CRASH CUSHION
S-GR31-1	06-15-21	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GRS-2	01-28-22	SPECIAL CASE GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GRS-7	01-09-24	SHORT – RADIUS GUARDRAIL SYSTEM (SRGS)
S-GRS-7A	07-30-24	SHORT – RADIUS GUARDRAIL SYSTEM (SRGS) DETAILS
S-GRS-8		SAFETY PLAN AT SIDEROADS OR DRIVEWAYS FOR LOW SPEED ROADWAYS
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL (RETROFIT)
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
S-GRA-3	01-09-24	TYPE 13 GUARDRAIL ANCHOR
S-GRA-4	03-01-23	IN-LINE GUARDRAIL ANCHOR TO PRIVATE DRIVE

10-107.00	DESIGN - TRAFFIC CONTROL	
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-09-24	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-07-23	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	07-17-20	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-16	07-30-24	RUMBLE STRIPE INSTALLATION LAYOUT
T-M-16A	02-03-20	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-PBR1	12-09-22	INTERCONNECTED PORTABLE BARRIER RAIL
T-WZ-PCB2	12-09-22	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB3	01-28-22	PORTABLE CONCRETE BARRIER RAIL DETAILS
T-WZ-PCB4	12-09-22	PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	1A
PS&E	2025	71951-3510-04	1A

REV. 05-29-25
ROADWAY-SIGN2 ADDED TO INDEX.

REV. 09-24-25
ROADWAY-SIGN3 ADDED TO INDEX.
ADDED S-GRA-4 AND S-GRS-8 TO
STANDARD DRAWINGS.

REV. 09-30-25
ROADWAY-SIGN4 ADDED TO INDEX.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

REV. 05-29-25
ITEMS 203-09.09 AND 208-01.05
REMOVED. ITEMS 201-01, 203-01,
203-02.01, 203-04, 203-06, 203-07,
AND 203-20.01 ADDED. ITEMS 303-01.01,
415-01.01, AND 607-39.02 UPDATED.
FOOTNOTES RENUMBERED.

REV. 09-30-25
UPDATED ITEMS 203-01 AND 713-13.03.
ADDED ITEMS 203-05 AND 713-13.02.

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(SEE SHEET 2-1 FOR FOOTNOTES)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

FOOTNOTES	
(1)	SEE SECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT. ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
(2)	SEE SHEET 2F FOR TABULATED QUANTITIES.
(3)	INCLUDES 499 CY FOR CULVERT PROTECTION (TYPE 1).
(4)	INCLUDES 430 C.Y. FOR SCARIFIED DRAINAGE CONTOUR AT WWC-2/EPH-1.
(5)	THIS ITEM TO BE USED BETWEEN STA. 8+50 TO 19+50, STA. 25+00 TO 27+00, AND BAXTER ROAD STA. 112+00 TO 113+00 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE. SEE SHEET G2.
(6)	ITEM TO BE USED AS INDICATED IN THE GEOTECHNICAL PLANS.
(7)	INCLUDES 69 C.Y. FOR SEDIMENT FILTER BAGS.
(8)	INCLUDES 45 TONS TO BE USED FOR TRAFFIC CONTROL.
(9)	INCLUDES 369 TONS TO BE USED FOR DRIVEWAYS.
(10)	SEE SHEET G2 FOR DETAILS ON USE BETWEEN STA. 26+50 TO STA. 27+00.
(11)	INCLUDES 2032 TONS FOR BOX BRIDGE AND 20 TONS TO BE USED AS INDICATED IN THE GEOTECHNICAL PLANS.
(12)	INCLUDES 38 TONS TO BE USED FOR CULVERT PROTECTION (TYPE 1) AND 46 TONS TO BE USED FOR SEDIMENT FILTER BAGS.
(13)	INCLUDES 12 TONS TO BE USED FOR TRAFFIC CONTROL.
(14)	ITEM TO BE USED AS DIRECTED BY THE ENGINEER.
(15)	INCLUDES 0.1 TONS TO BE USED FOR TRAFFIC CONTROL.
(16)	BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PIPE CULVERT.
(17)	SEE SHEET 2F1 FOR TABULATED QUANTITIES.
(18)	INCLUDES 100 TONS FOR TEMPORARY CONSTRUCTION EXITS.
(19)	INCLUDES 80 TONS TO BE USED AS INDICATED IN THE GEOTECHNICAL PLANS
(20)	INCLUDES 1285 TONS FOR WINGWALL STABILIZATION
(21)	INCLUDES RIGHT TURN SIGN (STA 55+50), SPEED LIMIT SIGN (STA 52+50), AND YIELD SIGN (STA 50+50) ON EXISTING DITTY ROAD. 3 STOP SIGNS (STA 111+65, 112+70, 113+55), 3 INTERSTATE ROUTE SIGNS (STA 112+90, 112+90, 109+00), 2 TWO-DIRECTION LARGE ARROW SIGNS (STA 111+25, 112+50), 2 INTERSECTION WARNING SIGNS (STA 112+50, 108+00), NOTICE SIGN (STA 114+25), SPEED LIMIT SIGN (STA 110+00) ON BAXTER ROAD.
(22)	TO BE USED FOR TEMPORARY PAVEMENT MARKINGS.
(23)	INCLUDES 2.6 L.M. TO BE USED AS GUIDE FOR RUMBLE
(24)	TO BE USED FOR PERMANENT PAVEMENT MARKINGS.
(25)	GEOMEMBRANE MATERIAL AND INSTALLATION SHALL MEET THE REQUIREMENTS SPECIFIED IN SPECIAL PROVISION 740D.
(26)	INCLUDES 172 S.Y. FOR TEMPORARY CONSTRUCTION EXITS.
(27)	INCLUDES 998 S.Y. FOR CULVERT PROTECTION (TYPE 1).
(28)	INCLUDES 332 S.Y. FOR SEDIMENT FILTER BAGS.
(29)	PERMANENT VEGETATIVE STABILIZATION USING NATIVE OR NATURALIZED PERENNIAL VEGETATION MUST BE APPLIED TO ALL DISTURBED RIPARIAN AREAS (I.E., STREAMS, EPHEMERALS, WET WEATHER CONVEYANCES), INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FT OF THE EDGE OF WATER, AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM THE TNIPC (https://www.tnipc.org/landscaping/) GUIDANCE. PERMANENT VEGETATIVE STABILIZATION USING PLANTINGS ACCORDING TO TDEC EPSC HANDBOOK (https://tnepsc.org/handbook.asp) TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES) MAY BE APPLIED BEYOND RIPARIAN AREAS. PERMANENT VEGETATIVE STABILIZATION USING PLANTINGS ACCORDING TO TDEC EPSC HANDBOOK TABLE 7.9-2 (ALLOWABLE SEED MIXES AND PLANTING DATES) SHOULD BE AVOIDED.
(30)	INCLUDES 7 M.G. FOR EROSION PREVENTION AND SEDIMENT CONTROL
(31)	SHALL NOT CONTAIN MONOFILAMENT NETTING.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	2
PS&E	2025	71951-3510-04	2-1

REV. 05-29-25
UPDATED FOOTNOTES.

REV. 09-30-25
UPDATED FOOTNOTES.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES