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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-SIGN3
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2

YEAR	PROJECT NO.	SHEET NO.
2026	23S211-S3-004	ROADWAY-SIGN 3
	23S211-S3-005	
REV. 06/24/26 ADDED SHEET TO PLANS.		
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION		
SIGNATURE SHEET		

ROADWAY INDEX

SHEET NAME	SHEET NO.	DWG.	REV.	DESCRIPTION
SIGNATURE SHEETS.....	ROADWAY-SIGN 1	RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
.....	ROADWAY-SIGN 2	RD-L-1	02-20-20	STANDARD LEGEND
.....	ROADWAY-SIGN 3	RD-L-1A		STANDARD LEGEND
TITLE SHEET	1	RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A	RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
STANDARD ROADWAY & TRAFFIC DRAWINGS.....	1A1	RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
PROJECT COMMITMENTS.....	1B	RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
ESTIMATED ROADWAY QUANTITIES	2	RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1	RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
GENERAL NOTES.....	2C, 2C1			
SPECIAL NOTES.....	2D			
ENVIRONMENTAL NOTES.....	2E			
TABULATED QUANTITIES	2F, 2F1			
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS.....	3			
PROPERTY MAP(S) AND RIGHT-OF-WAY ACQUISITION TABLE(S).....	3A – 3B			
PRESENT LAYOUT(S).....	4 – 7			
RIGHT-OF-WAY DETAILS	4A – 7A			
PROPOSED LAYOUT(S)	4B – 7B			
PROPOSED PROFILE(S)	4C – 7C			
HAUL ROAD PROFILE(S).....	8 – 8A			
DRIVEWAY PROFILE(S)	9			
DRAINAGE MAP(S).....	10			
EROSION PREVENTION AND SEDIMENT CONTROL PLANS.....	11 – 24			
SIGNING AND PAVEMENT MARKING PLAN(S).....	25 – 28			
SIGN SCHEDULE SHEET(S).....	29			
ROADWAY CROSS SECTIONS	35 – 69			
RETAINING WALL PLANS	R-1			
TRAFFIC CONTROL PLANS	T1 – T5A			
LIGHTING PLANS	L-1 – L-7			
BRIDGE PLANS	B-1			
NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS. NUMERS 30-34 NOT USED.				
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		

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS
RP-VC-11	03-04-21	VERTICAL CONCRETE CURB AND CURB AND GUTTER (FOR 6” & 7” GUTTER DEPTH)
W-CIP-1	05-01-20	ROADWAY FEATURES AT CAST IN PLACE RETAINING WALL
W-MSE-1	05-01-20	ROADWAY FEATURES FOR MSE SEGMENTAL PRECAST FACING RETAINING WALL
W-MSE-2	05-01-20	ROADWAY FEATURES FOR MSE MODULAR BLOCK FACING RETAINING WALL
W-SG-1	07-30-24	STANDARD GRAVITY-TYPE RETAINING WALLS
W-SP-1	05-01-20	ROADWAY FEATURES AT SOLDIER PILE AND SOIL ANCHORED RETAINING WALLS
S-F-1	03-01-23	HIGH VISIBILITY FENCE
10-101.00 STANDARDS ROADWAY DRAWINGS		
RD-CTS-R1		CONTEXTUAL TYPICAL SECTIONS RURAL ARTERIAL
RD-CTS-U1		CONTEXTUAL TYPICAL SECTION URBAN ARTERIAL
RD18-TS-5		URBAN MINOR ARTERIAL (2-3 LANE)
RD18-TS-5A	10-31-25	RURAL MINOR ARTERIAL (2-3 LANE)
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-S-11B		DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
RD11-SA-1	01-09-24	SAFETY APPROACH TO UNDERPASSES GRADING DESIGN AND SLOPE PROTECTION
10-102.00 AQUATIC ORGANISM PASSAGE (AOP) DESIGN, PIPE		
D-FLU-2		BRIDGE END DRAIN FLUME DETAILS
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-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PB-4	01-09-24	PIPE COLLAR DETAILS
D-PEW-4		PROTECTED STRAIGHT ENDWALLS (PIPE SIZES 18” TO 30” & EQU. OVAL PIPES)
10-104.00 CATCH BASINS AND MANHOLES		
D-RL-1		ROUND LID DETAILS FOR SINGLE CURB AND WALL INLET
D-RS-1		PRECAST ROUND STRUCTURES (48” THRU 120”)
D-RS-2		PRECAST ROUND STRUCTURES REINFORCEMENT DETAILS
D-RS-3		MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
10-106.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
RP-J-11	05-01-20	3/4" AND 1 3/4" EXPANSION AND EDGE PAVEMENT JOINTS
RP-J-13	05-01-20	3/4" AND 1 3/4" ELASTOMERIC COMPRESSION JOINT SEALS
RP-D-15	04-01-25	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-D-16	04-01-25	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-I-5	05-01-20	EXAMPLES OF STREET & ALLEY INTERSECTIONS
10-107.00 MULTIMODAL		
CR-GN-1		GENERAL NOTES CURB RAMP
MM-BPR-1	06-12-25	BIKE AND PEDESTRIAN SAFETY RAIL
MM-SW-1	07-07-23	DETAILS FOR CONCRETE SIDEWALKS
MM-TS-2	06-15-21	LATERAL OFFSETS FOR SIDEWALK AND SHARED USE PATH
MM-TS-3	06-30-25	SEPARATED SHARED USE PATH TYPICAL SECTIONS
10-108.00 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-1A	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-1B	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED ON CURVED ROADWAYS
S-PL-3	03-01-23	SAFETY PLAN MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-GR31-1	10-31-25	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GRC-4	10-31-25	GUARDRAIL CONNECTION TO BRIDGE RAILING CONCRETE PARAPET
S-GRS-1	06-15-21	SPECIAL CASE LONG SPAN GUARDRAIL 1 POST, 2 OR 3 POSTS OMITTED
S-GRS-7	01-09-24	SHORT RADIUS-GR SYSTEM (SRGS) CONNECTION TO BRIDGE END
S-GRS-7A	07-30-24	SHORT RADIUS-GUARDRAIL SYSTEM (SRGS) ANCHOR DETAILS
S-GRS-7B		SHORT RADIUS-GR SYSTEM (SRGS) EYE-BOLT SPACING DETAILS
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

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	23S211-F0-004	NA
		23S211-F0-005	
FUNC.	2025	23S211-S2-004	NA
		23S211-S2-005	
PS&E	2026	23S211-S3-004	1A
		23S211-S3-005	

REV. 05/22/26 ADDED ROADWAY-SIGN2 TO INDEX

REV. 06/24/26 ADDED ROADWAY-SIGN3 TO INDEX & REMOVED STD MM-BPR-3

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	23S211-S3-004 QUANTITY	23S211-S3-005 QUANTITY	TOTAL QUANTITY
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	0.5	0.5	1
201-01	CLEARING AND GRUBBING	LS	0.5	0.5	1
202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	219	312	531
202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	162	90	252
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	3936	2114	6050
203-04	PLACING AND SPREADING TOPSOIL	C.Y.	139	88	227
203-06	WATER	M.G.	10	5	15
203-50	CONSTRUCTION OF HAUL ROAD	LS	0.5	0.5	1
208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	0.6	0.3	0.9
209-05	SEDIMENT REMOVAL	C.Y.	9	9	18
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	1850	3542	5392
209-08.08	ENHANCED ROCK CHECK DAM	EACH	6	3	9
209-09.04	SEDIMENT FILTER BAG (15' X 10')	EACH		1	1
209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	10	10	20
209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	5	4	9
209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.		149	149
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	177	124	301
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	29	29	58
307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	715	68	783
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	197	88	285
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	7	4	11
402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	1	1	2
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	5	2	7
407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	493	254	747
411-01.10	ACS MIX(PG64-22) GRADING D	TON	393	232	625
415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	555	293	848
604-07.01	RETAINING WALL (R1, S.R. 211 STA. 514+40.32 - STA. 514+92.35)	S.F.	231		231
607-03.30	18" PIPE CULVERT	L.F.	95	251	347
611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	4	3	7
611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	L.B.	180	135	315
611-10.02	CATCH BASINS, TYPE 10, > 4' - 8' DEPTH	EACH	2	2	4
611-60.01	CATCH BASINS, 48IN ROUND, 4' - 8' DEPTH	EACH	2	2	4
611-62.01	MANHOLE STRUCTURE, 48IN ROUND, > 4FT - 8FT DEPTH	EACH	1	1	2
611-62.02	MANHOLE STRUCTURE, 48IN ROUND, > 8FT - 12FT DEPTH	EACH		1	1
611-62.03	MANHOLE STRUCTURE, 48IN ROUND, > 12FT - 16FT DEPTH	EACH	1		1
620-05	CONCRETE PARAPET WITH STRUCTURAL TUBING	L.F.	52		52
621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	57		57
621-05.10	TEMPORARY SHORING (GRADING WORK)	LS	0.5	0.5	1
701-01.01	CONCRETE SIDEWALK (4")	S.F.	2319	1305	3624
702-01	CONCRETE CURB	C.Y.	2	1	3
702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	25	17	42
705-06.01	W BEAM GR (TYPE 2) MASH TL-3	L.F.	213	163	375
705-06.10	GR TERMINAL TRAILING END (TYPE 13) MASH TL-3	EACH		1	1
705-06.16	SHORT-RADIUS GUARDRAIL SYSTEM (24 FT RADIUS) MASH TL-3	EACH		1	1
705-06.20	TANGENT ENERGY ABSORBING TERM. MASH TL-3	EACH	4	1	5
705-06.25	THRIE BEAM BRIDGE TRANSITION MASH TL-3	EACH	4	3	7
705-06.30	GR TERMINAL (ENERGY ABSORBING) MASH TL-2	EACH		1	1
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	3412	4132	7544
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	100	100	200
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	17	8	25
709-05.08	MACHINED RIP-RAP (CLASS B)	TON	1411	777	2188
712-01	TRAFFIC CONTROL	LS	0.5	0.5	1
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	20	20	40
712-05.01	WARNING LIGHTS (TYPE A)	EACH	4	4	8
712-06	SIGNS (CONSTRUCTION)	S.F.	306	285	591
712-07.02	TEMPORARY BARRICADES (TYPE II)	L.F.	10	15	25
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	160	180	340
713-11.01	"U" SECTION STEEL POSTS	LB.	64	308	372
713-11.22	U POST SLIP BASE	EACH	2	2	4
713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.		35	35
713-30.09	PARAPET)	EACH		1	1

ESTIMATED ROADWAY QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	23S211-S3-004 QUANTITY	23S211-S3-005 QUANTITY	TOTAL QUANTITY
713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	0.5	0.5	1
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4	4	8
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.		41	41
716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH		1	1
716-05.10	PAINTED PAVEMENT MARKING (RXR)	EACH		1	1
716-09.86	CONTRAST PAVEMENT MARKING 6"	L.M.	0.5	0.6	1.1
716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	1.1	0.6	1.7
717-01	MOBILIZATION	LS	0.5	0.5	1
740-07.04	GEOGRID REINFORCEMENT TYPE 2	S.Y.	973	973	1946
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	272	272	544
740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	364	364	728
740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	44	0	44
801-01	SEEDING (WITH MULCH)	UNIT	17	14	31
801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	20	15	35
801-01.36	SPECIAL WETLAND SEED MIXTURE	UNIT	4	35	39
801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT		3	3
801-03	WATER (SEEDING & SODDING)	M.G.	12	8	20
803-01	SODDING (NEW SOD)	S.Y.	332	123	455
805-01.03	TURF REINFORCEMENT MAT (CLASS III)	S.Y.	70	16	86
806-02.03	PROJECT MOWING	CYCL	3	3	6

- FOOTNOTES:
- (1)

ITEM INLCUDES 5928 C.Y. FOR GENERAL EXCAVATION, 122 C.Y. FOR BRIDGE FLUMES AND 122 C.Y. FOR EPSC.
- (2)

ITEM INCLUDES 26 TONS FOR SEDIMENT FILTER BAGS AND 31 TONS FOR PAVEMENT AT BRIDGE ENDS.
- (3)

ITEM INCLUDES 200 TONS FOR TEMP. CONST. EXITS.
- (4)

ITEM INCLUDES 200 S.Y. FOR SEDIMENT FILTER BAG AND 344 S.Y. FOR TEMP. CONST. EXITS. TO BE USED AS DIRECTED BY THE ENGINEER.
- (6)

SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT
- (7)

SIGNAGE FOR DETOUR ROUTE TO BE SPLIT EVENLY BETWEEN PROJECT NUMBERS.
- (8)

ITEM INCLUDES 25 TONS FOR SCOUR APRONS.
- (9)

SEE SHEET T2 FOR TABLUATED QUANTITIES, ADDITIONAL SIGNS AS DIRECTED BY THE ENGINEER SHALL BE PAID FOR AT THE UNIT COST OF THIS ITEM.
- (10)

1. REMOVE THE TOP 12 INCHES OF TOPSOIL AND STOCKPILE IT UNTIL CONSTRUCTION IS COMPLETE. 2. ONCE CONSTRUCTION ACTIVITIES ARE COMPLETED, RESTORE ALL TEMPORARY WETLAND IMPACT AREAS TO PRE-CONSTRUCTION CONDITIONS. THIS INCLUDES REMOVING HAUL ROADS(IF APPLICABLE), RESTORING THE TO THE ORIGINAL (JRE-CONSTRUCTION) ELEVATION, AND SPREADING STOCKPILED TOPSOIL BACK OVER THE WETLAND SITE. 3. THE AREA OF TEMPORARY IMPACTS WILL BE STABILIZED WITH WETLAND SEED MIXTURE 801-01.36 ONLY. 4. WETLAND AREA LOCATED OUTSIDE OF PROPOSED RIGHT-OF-WAY AND CONSTRUCTION EASEMENTS ARE TO BE CLEARLY MARKED AND NOT TO BE DISTURBED.
- (11)

CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
- (12)

BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF PIPE.
- (13)

INCLUDES REMOVAL OF 5 EXISTING SIGNS.
- (14)

SEE SHEET 2F FOR DETAILED BREAKDOWN OF PAVING QUANTITIES.
- (15)

ITEM TO BE USED FOR PAVEMENT AT BRIDGE ENDS.
- (16)

ITEM INLCUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE COST OF THE ITEM NO. 806-02.03 PROJECT MOWING PER CYCLE.
- (17)

ITEM NUMBER 203-50 SHALL INCLUDE GEOTEXTILE (TYPE IV), MACHINED RIP-RAP(CLASS A-1, CLASS B, OR CLASS C), MINERAL AGGREGATE (SIZE 57), AND TEMPORARY DRAINAGE PIPE. THE MINERAL AGGREGATE INCLUDES AN ADDITIONAL TEN (10) PERCENT FOR MAINTENANCE. SEE SHEET 2B1 FOR TYPICAL SECTION DETAILS.
- (18)

ITEM TO BE USED FOR PAVEMENT MARKING ON CONCRETE SURFACES.
- (19)

CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.
- (20)

ALL COST OF BUILDING AND INSTALLING THE RETAINING WALL, INCLUDING FOUNDATION PREPARATION, BACKFILLING, AND EXCAVATION, SHALL BE INCLUDED IN THE SQUARE FOOTAGE COST OF THE RETAINING WALL. FOR FURTHER INFORMATION ON RETAINING WALL AND QUANTITIES, SEE SHEET R1.
- (21)

CONCRETE PARAPET IS LOCATED ON RETAINING WALL R1 AND IS NOT INCLUDED IN THE COST OF THE RETAINING WALL.
- (22)

ITEM ONLY APPLIES TO PARAPET NOT LOCATED ON THE BRIDGE DECK OR P.A.B.E. ALL PARAPET LOCATED ON THE BRIDGE DECK AND P.A.B.E. SHALL BE INCLUDED IN THE COST OF THE BRIDGE.
- (23)

PERMANENT STABILIZATION WITH NATIVE OR NATURALIZED PERENNIAL VEGETATION IS REQUIRED IN ALL AREAS AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS TO STREAMS AND RIPARIAN AREAS, INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FT OF THE EDGE OF WATER. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES) FOUND IN CHAPTER 7.9 (PERMANENT VEGETATION) OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION.

TYPE

YEAR

PROJECT NO.

SHEET NO.

L&G

2025

23S211-F0-004

NA

FUNC.

2025

23S211-F0-005

2

PS&E

2026

23S211-S3-004

2

REV. 5/22/26 DESCRIPTION ADDED TO ITEM NO. 713-30.09

REV. 6/24/26 REMOVED ITEM NO. 711-05.82

SEALED BY

MATTHEW D. NEWMAN

REGISTERED ENGINEER

AGRICULTURE

STATE OF TENNESSEE

NO. 124706

6/24/26

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 2018.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Bordelon, Julian Digitally signed by Bordelon, Julian
Date: 2026.06.24 12:51:24 -05'00'

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JULIAN BORDELON, P.E. NO. 130630

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	LIGHTING-SIGN 3
LIGHTING PLANS	L-1, L-5

YEAR	PROJECT NO.	SHEET NO.
2026	23S211-S3-004	LIGHTING-SIGN 3
	23S211-S3-005	
REV. 06-24-2026 ADDED SHEET TO PLANS.		
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION		
SIGNATURE SHEET		

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	23S211-F0-004	L - 1
FUNC.	2025	23S211-F0-005	L - 1
		23S211-S2-005	
PS&E	2026	23S211-S3-004	L - 1
		23S211-S3-005	

REV 6-24-2026: REMOVED ITEM NO. 714-02.02

ESTIMATED LIGHTING QUANTITIES					
ITEM NO.	DESCRIPTION	UNIT	23S211-S3-004 QUANTITY	23S211-S3-005 QUANTITY	TOTAL QUANTITY
(1) 714-03	JACKED OR BORED CONDUIT	L.F.	50	50	100
714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F.	210	125	335
714-05.04	PULL BOXES (TYPE C)	EACH	5	3	8
714-06.03	CABLE (1/C #10 AWG)	L.F.	4590	5040	9630
714-06.12	CABLE (#10 COPPER SOFT DRAWN BARE) (GROUND)	L.F.	1530	1680	3210
(2) 714-08.09	LIGHT STANDARDS (14' M.H. POST TOP)	EACH	14	16	30
(4) 714-08.34	REMOVAL OF LIGHT STANDARD	EACH		14	14
714-09.47	LED LUMINAIRES (56 WATT)	EACH	14	16	30
714-12.01	CONTROL CENTER (NO. 1)	EACH	1		1
714-12.02	CONTROL CENTER (NO. 2)	EACH		1	1
(3) 714-25.01	ELECTRICAL CONNECTION (TO CONTROL CENTER NO. 1)	LS	1		1
(3) 714-25.02	ELECTRICAL CONNECTION (TO CONTROL CENTER NO. 2)	LS		1	1

FOOTNOTES:

- (1) SCHEDULE 80, 2" PVC, DIRECTIONAL BORING ONLY
- (2) A JUNCTION BOX (6" X 6") SHALL BE PROVIDED FOR EACH LIGHT POLE FOR THE PURPOSE OF PULLING AND SPLICING WIRE. IF THE LIGHT POLE IS MANUFACTURED WITH AN ACCESS PANEL AT THE BASE, THE JUNCTION BOX WILL NOT BE REQUIRED. THE COST OF THE JUNCTION BOX SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE LIGHT POLE.
- (3) THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR CHANGES TO ELECTRICAL SERVICE AT THE EXISTING CONTROL CENTER. THESE CHARGES SHALL BE INCLUDED IN THE BID FOR THIS ITEM. INCLUDES THE COST TO FURNISH AND INSTALL ALL APPURTENANCES FOR A COMPLETE INSTALLATION.
- (4) INCLUDES THE COST TO REMOVE EXISTING LIGHT FIXTURE, POLE, LABEL, AND WIRING WITHIN THE POLE. ALL LIGHT FIXTURES, POLES, AND ASSOCIATED LIGHTING EQUIPMENT SHALL BE SALVAGED AND RETURNED TO DYERSBURG ELECTRIC SYSTEM (DES). CONTRACTOR TO CONTACT JAKE WEATHERLY (731-445-6818) TEN (10) DAYS PRIOR TO REMOVAL TO COORDINATE DES DE-ENERGIZING EXISTING LIGHT STANDARDS TO BE REMOVED AND THE TRANSFER OF SALVAGED MATERIALS.

STANDARD TRAFFIC DESIGN DRAWINGS

DWG. REV. DESCRIPTION

10-202.00 LIGHTING AND UTILITY POLES

T-L-1	07-15-24	STANDARD LIGHTING FOUNDATION DETAILS
T-L-1SA	07-15-24	STANDARD LIGHTING DETAILS FOR SINGLE ARM SUPPORTS
T-L-3	07-15-24	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	07-15-24	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION
T-L-5		STANDARD LIGHTING DETAILS CONTROL CENTER DETAILS

GENERAL NOTES

1. ANY DEVIATION OF THE CONDITIONS LISTED MUST BE APPROVED BY THE OWNER PRIOR TO THE DEVIATION TAKING PLACE ON THE PROJECT. FAILURE BY THE LIGHTING CONTRACTOR OR SUBCONTRACTORS TO FOLLOW THESE CONDITIONS AS LISTED WILL RESULT IN REFUSAL OF ACCEPTANCE BY THE OWNER TO ACCEPT THE PROJECT AT IT'S COMPLETION UNTIL SUCH TIME AS ANY DEFICIENCIES ARE CORRECTED TO THE SATISFACTION OF THE OWNER.
2. ALL WORK SHALL BE DONE IN A SAFE, THOROUGH AND WORKMAN-LIKE MANNER IN ACCORDANCE WITH THE PLAN SHEETS, CONSTRUCTION DETAILS AND TECHNICAL SPECIFICATIONS AS WELL AS ANY AND ALL APPLICABLE SAFETY CODES, INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL SAFETY CODE (NESC), AND ANY OTHER STATE AND LOCAL CODES THAT ARE REQUIRED FOR THE TYPE OF WORK THAT IS BEING PERFORMED AS PART OF THIS CONTRACT.
3. THE LIGHTING CONTRACTOR SHALL BEAR THE RESPONSIBILITY FOR THE SAFETY OF ITS EMPLOYEES AND SHALL ENSURE THAT THEY ABIDE BY ALL STATE, FEDERAL AND LOCAL REGULATIONS REGARDING SAFE WORK PRACTICES. IF SUCH REGULATIONS ARE VIOLATED, THE OWNER SHALL MAINTAIN THE RIGHT TO STOP WORK ON THEIR FACILITIES UNTIL SUCH CONDITIONS ARE CORRECTED.
4. IN GENERAL, THE LIGHTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE LIGHTING CONSTRUCTION DRAWINGS AND THE TECHNICAL SPECIFICATIONS THAT ARE NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION OF THE LIGHTING FACILITIES BEING INSTALLED.
5. ALL MATERIALS TO BE USED BY THE LIGHTING CONTRACTOR ON THE PROJECT MUST BE NEW MATERIALS AND MUST BE APPROVED BY THE OWNER PRIOR TO PURCHASE OR USE. A PROPOSED LIST OF MATERIALS SHALL BE SUBMITTED TO THE OWNER AS NOTED IN THE TECHNICAL SPECIFICATIONS FOR THE PROJECT. NO MATERIAL SUBSTITUTIONS ARE ALLOWED WITHOUT THE PRIOR CONSENT OF THE UTILITY OWNER. STORAGE LOCATION OF MATERIALS ON THE PROJECT SITE MUST BE A SECURE ENVIRONMENT. THE LIGHTING CONTRACTOR IS RESPONSIBLE FOR ANY LOST, STOLEN OR DAMAGED MATERIALS ON THE PROJECT.

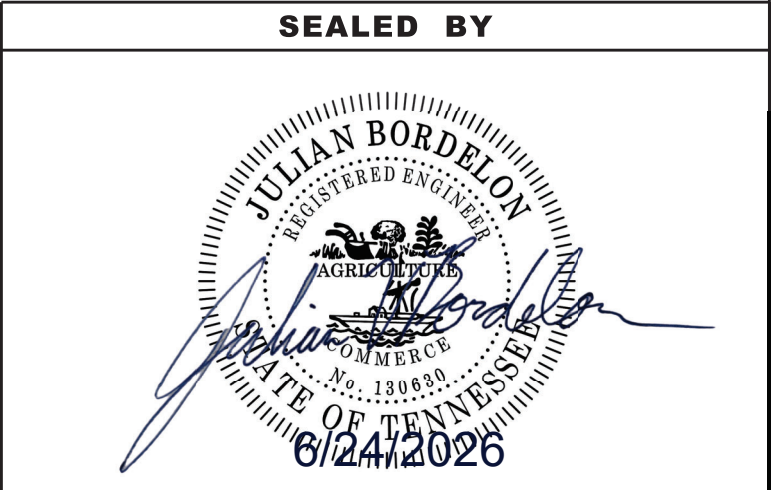
6. IF FIELD CONDITIONS ARISE WHICH PREVENT THE CONSTRUCTION ON THE PROJECT FROM PROCEEDING AS DESIGNED, THE LIGHTING CONTRACTOR WILL COORDINATE WITH THE OWNER / ENGINEER TO RESOLVE THE ISSUES SO THAT CONSTRUCTION CAN CONTINUE.
7. THE LIGHTING CONTRACTOR SHALL REQUEST EXISTING UTILITY LOCATIONS A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO BEGINNING ANY CONSTRUCTION IN THE AREA OF THE UTILITIES IN QUESTION.
8. SOME EXISTING UTILITIES CAN BE LOCATED BY CALLING TENNESSEE ONE-CALL SYSTEMS, INC. AT "811".
9. THE LIGHTING CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THE PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND EXISTING UTILITIES, THE LIGHTING CONTRACTOR SHALL BE REQUIRED TO FURNISH THE EQUIPMENT NECESSARY TO COMPLETE THE WORK.
10. THE LIGHTING CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY ITS EMPLOYEES IN AREAS OUTSIDE OF ROW ALONG THE LENGTH OF THE PROJECT. THE LIGHTING CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RESOLVING ALL COMPLAINTS THAT MAY ARISE FROM ITS ACTIVITIES, AND SHALL PROMPTLY REPORT SUCH COMPLAINTS TO THE OWNER AS TO WHETHER OR NOT IT HAS BEEN RESOLVED.
11. INSPECTION OF INSTALLED FACILITIES ONCE COMPLETED SHALL BE THE RESPONSIBILITY OF THE LIGHTING CONTRACTOR. ANY CORRECTIONS THAT ARE REQUIRED SHALL BE DONE DURING THE CONSTRUCTION OF THE PROJECT AND VERIFIED BY THE OWNER / ENGINEER.
12. WHILE SOME WORK MAY ONLY BE REQUIRED "AROUND" OTHER UTILITY FACILITIES, SOME WORK MAY NEED TO BE DONE CONCURRENTLY WITH THE OPERATIONS OF OTHER CONTRACTORS. IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR TO ENSURE THAT ALL COORDINATION BE ADDRESSED DURING THE CONSTRUCTION OF THE PROJECT.
13. THE LIGHTING CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL FACILITIES INDICATED WITHIN THESE DRAWINGS AT "FINAL GRADE" AS SHOWN. ANY TEMPORARY INSTALLATIONS THAT ARE NOT SPECIFICALLY NOTED WITHIN THESE DRAWINGS AND THAT ARE NOT ADDRESSED AND COORDINATED PRIOR TO CONSTRUCTION OF THE PROJECT WILL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR.
14. THE LIGHTING CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL CONSTRUCTION DRAWINGS AND TECHNICAL SPECIFICATIONS FOR THE INSTALLATION OF FACILITIES PRIOR TO BIDDING THE PROJECT. ANY QUESTIONS CONCERNING INFORMATION SHOWN IN THE CONTRACT DOCUMENTS SHALL BE ADDRESSED TO THE OWNER / ENGINEER PRIOR TO BIDDING ON THE PROJECT.
15. CONTRACTOR TO CONTACT THE PROJECT MANAGER THREE DAYS BEFORE THE START OF PROJECT WORK IN ORDER TO ARRANGE FOR INSPECTIONS. FAILURE TO OBTAIN INSPECTIONS MAY RESULT IN THE INSTALLATION NOT BEING ACCEPTED BY THE OWNER.
16. CONTRACTOR SHALL HAVE QUALIFIED JOURNEYMAN ELECTRICIAN ON THE JOB SITE AT ALL TIMES TO SUPERVISE THE INSTALLATION AND TESTING OF ALL LIGHTING SYSTEM COMPONENTS AND TO INSURE ADHERENCE TO ALL STANDARDS AND CODES.
17. CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION DEFECTS FOR A PERIOD OF ONE YEAR AFTER THE CITY ACCEPTS THE INSTALLATION.
18. ALL WIRE IN CONDUIT SHALL BE RATED FOR DRY AND WET LOCATIONS AND SHALL BE STRANDED COPPER WITH XHHW TYPE XLPE INSULATION. WIRE SIZE 14-10 AWG SHALL HAVE A MINIMUM INSTALLATION THICKNESS OF 30 MILS, WIRE SIZE 8-2 AWG SHALL HAVE A MINIMUM INSTALLATION THICKNESS OF 45 MILS, AND WIRE SIZE 1/0-4/0 SHALL HAVE A MINIMUM INSTALLATION THICKNESS OF 55 MILS.
19. OBTAIN FINAL INSPECTION AND WRITTEN LETTER OF ACCEPTANCE FROM THE OWNER BEFORE FINAL PROJECT IS CLOSED OUT.
20. IN-LINE FUSES ARE REQUIRED IN EACH AND EVERY HOT LEG FOR EACH LIGHT AND RECEPTACLE.
21. FACTORY BENDS ARE MANDATORY. HEAT BENDING OF CONDUIT IS NOT ALLOWED. ALL CONDUIT INSTALLATIONS ARE SUBJECT TO MANDREL TESTING. CONTRACTOR TO PERFORM TESTING AT NO ADDITIONAL EXPENSE TO THE OWNER.
22. ALL CONDUITS AND DUCT BANKS CROSSING UNDER ROADWAYS SHALL BE CONCRETE ENCASED FROM A MINIMUM OF 12" OUTSIDE CURB TO A MINIMUM OF 12" OUTSIDE CURB, OR SHALL BE BORED USING HDPE CONDUIT.
23. LIGHTING ASSEMBLIES SHALL INCLUDE THE FOLLOWING:

A. POLE GROUND LUG SHALL BE TINNED OR RATED FOR COPPER TO ALUMINUM CONNECTIONS.

B. TAMPER RESISTANT STAINLESS STEEL SCREWS SIMILAR TO FASTENAL X204C0040SSX600, SIZED AS REQUIRED.

C. WIRING INSIDE POLES SHALL BE THW TYPE WITH 75 DEG C RATING.

D. SINGLE 8 FOOT COPPERCLAD GROUND ROD
24. LIGHTING INSTALLATION SHALL COMPLY WITH ALL APPLICABLE TDOT STANDARD LIGHTING DETAILS.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING QUANTITIES
AND GENERAL NOTES

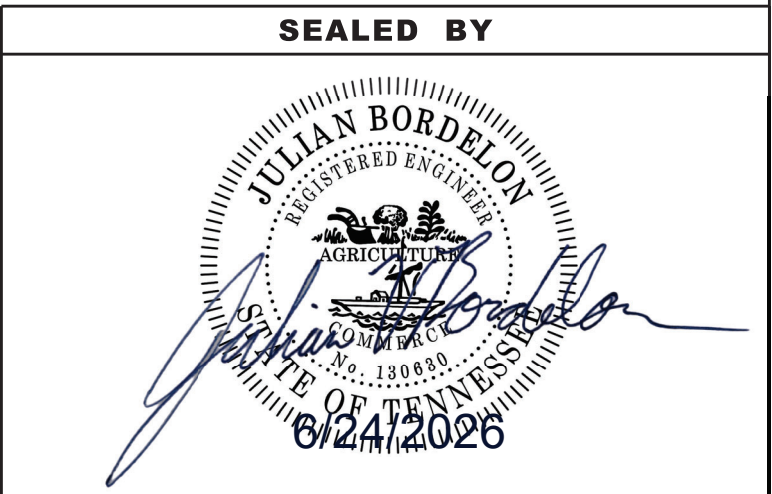
SCALE: N.T.S.

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	23S211-F0-004	L-5
		23S211-F0-005	
FUNC.	2025	23S211-S2-004	L-5
		23S211-S2-005	
PS&E	2026	23S211-S3-004	L-5
		23S211-S3-005	

· REV 6-24-2026: ADDED REFERENCE TO ITEM NO 714-01.01, 714-01.02, AND BRIDGE PLANS

WIRING AND CONDUIT SCHEDULE							
RUN NO.	POLE NO.		CONDUIT LENGTH (FT.)				NO. & SIZE OF WIRE
	FROM	TO	OPEN TRENCH (FT.) (SCH. 40 PVC)	DIRECTIONAL BORE (FT.) (SCH. 80 PVC)	ENCASED (FT.) (SCH. 40 PVC)	TOTAL LENGTH (FT.)	
CC1-A	CC1	PB1	21			21	(3) 1C #10 AWG (1) #10 AWG COPPER
	PB1	PB2	85			85	
	PB2	PB4	51			51	
	PB4	LP1			28	28	
	LP1	LP3			100	100	
	LP3	LP5			102	102	
	LP5	LP7			101	101	
	LP7	LP9			102	102	
	LP9	LP11			101	101	
	LP11	LP13			100	100	
	PB2	PB3		46		46	
	PB3	PB5	51			51	
	PB5	LP2			27	27	
	LP2	LP4			100	100	
	LP4	LP6			101	101	
	LP6	LP8			102	102	
	LP8	LP10			101	101	
	LP10	LP12			101	101	
	LP12	LP14			100	100	
CC2-A	CC2	PB6	10			10	(3) 1C #10 AWG (1) #10 AWG COPPER
	PB6	PB7	115			115	
	PB7	LP16			31	31	
	LP16	LP18			102	102	
	LP18	LP20			105	105	
	LP20	LP22			105	105	
	LP22	LP24			105	105	
	LP24	LP26			104	104	
	LP26	LP28			105	105	
	LP28	LP30			87	87	
	PB7	PB8		49		49	
	PB8	LP15			30	30	
	LP15	LP17			101	101	
	LP17	LP19			105	105	
	LP19	LP21			104	104	
	LP21	LP23			105	105	
	LP23	LP25			104	104	
	LP25	LP27			105	105	
	LP27	LP29			103	103	

SEE TDOT STANDARD DRAWING STD-8-2SS FOR CONDUIT INSTALLED ON BRIDGES.
ENCASED CONDUIT IS INCLUDED IN ITEM NO. 714-01.01 AND 714-01.02 SEE BRIDGE PLANS FOR DETAILS



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WIRING AND CONDUIT
DETAILS

SCALE: N.T.S.