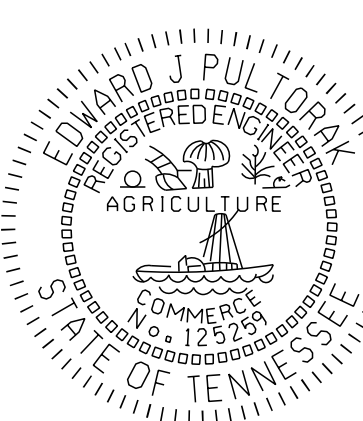


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JACOBS ENGINEERING
1999 BRYAN ST
DALLAS, TX 75201
EDWARD J. PULTORAK, P.E. NO. 125259

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.
ROADWAY INDEX AND STANDARD DRAWINGS.....	1A
ESTIMATED ROADWAY QUANTITIES.....	2
EROSION PREVENTION AND SEDIMENT CONTROL PLANS.....	14

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

REV. 03-03-2025: ADDED SHEET.

YEAR	PROJECT NO.	SHEET NO.
2025	STP-M-I-24-1(136)	SIGN-2

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PS&E INDEX OF SHEETS

SHEET NAME	SHEET NO.
SIGNATURE SHEET	SIGN-1
.....	SIGN-2
TITLE SHEET	1
ROADWAY INDEX AND STANDARD DRAWINGS.....	1A
ESTIMATED ROADWAY QUANTITIES.....	2
GENERAL NOTES.....	2C
SPECIAL NOTES.....	2D, 2D1
ENVIRONMENTAL NOTES.....	2E
UTILITY NOTES AND UTILITY OWNERS.....	3
PRESENT LAYOUTS	4 – 6
PROPOSED LAYOUTS	4A – 6A
CONTROL CENTER AND POWER SUPPLY DETAILS.....	7
LIGHTING DETAILS	8 – 10
DRAINAGE MAP.....	11
EROSION PREVENTION AND SEDIMENT CONTROL PLANS.....	12 – 19
TRAFFIC CONTROL PLANS	T-1
GEOTECHNICAL PLANS	G-1
UTILITY PLANS.....	U1-1
NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.	

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
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-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	02-20-20	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
10-104.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
S-F-1	03-01-23	HIGH VISIBILITY FENCE
10-107.00 DESIGN - TRAFFIC CONTROL		
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-18	07-07-23	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD
10-108.00 EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-8	06-10-14	FILTER SOCK
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-37	06-10-14	SEDIMENT TUBE

STANDARD STRUCTURE DRAWINGS

NEW STRUCTURES

STD-8-4	SIGN, LUMINAIRE, AND TRAFFIC SIGNAL SUPPORTS
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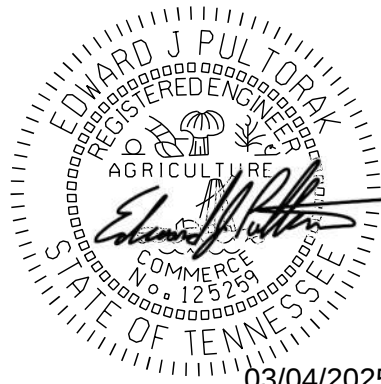
STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG.	REV.	DESCRIPTION
LIGHTING AND UTILITY POLES		
T-L-1	09-12-23	STANDARD LIGHTING FOUNDATION DETAILS
T-L-1TM		STANDARD LIGHTING DETAILS TENON MOUNTED OFFSET LIGHTING SUPPORTS
T-L-3	04-15-96	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	05-25-11	STANDARD LIGHTING DETAILS CONDUITS, CABLE INSTALLATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	STP-M-I-24-1(136)	1A
PS&E	2025	STP-M-I-24-1(136)	1A

REV. 03-03-2025: ADDED SIGN-2 TO INDEX.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND STANDARD
DRAWINGS

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ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75100-0125-54
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	40
209-02.03	8" TEMPORARY SLOPE DRAIN	L.F.	1320
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	4525
209-08.09	FILTER SOCK CHECK DAM	EACH	1
209-09.01	SANDBAGS	BAG	198
209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	1464
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	4625
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	70
712-01	TRAFFIC CONTROL	LS	1
712-06	SIGNS (CONSTRUCTION)	S.F.	505
712-08.03	ARROW BOARD (TYPE C)	EACH	2
714-03	DIRECTIONAL BORED CONDUIT	L.F.	1530
714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F.	17480
714-04.01	CONDUIT (STRUCTURES - 1" RGS)	L.F.	300
714-05.04	PULL BOXES (TYPE C)	EACH	31
714-06.04	CABLE (1/C # 8 AWG)	L.F.	2250
714-06.05	CABLE (1/C # 6 AWG)	L.F.	46014
714-06.06	CABLE (1/C # 4 AWG)	L.F.	7566
714-06.08	CABLE (1/C # 8 BARE)	L.F.	750
714-06.09	CABLE (1/C # 6 BARE)	L.F.	15338
714-06.10	CABLE (1/C # 4 BARE)	L.F.	2522
714-06.11	CABLE (1/C # 2/0 AWG)	L.F.	120
714-06.12	CABLE (1/C # 2/0 BARE)	L.F.	40
714-06.13	CABLE (1/C # 3/0 AWG)	L.F.	1650
714-06.14	CABLE (1/C # 3/0 BARE)	L.F.	550
714-08.09	LIGHT STANDARDS (OFFSET POLES-44' M.H.)	EACH	23
714-08.10	LIGHT STANDARDS (HIGHMAST POLES 150' M.H.)	EACH	2
714-08.11	LIGHT STANDARDS (HIGHMAST POLES 100' M.H.)	EACH	8
714-08.23	FOUNDATION (ONLY) FOR LIGHT STANDARDS	EACH	23
714-08.40	FOUNDATION FOR LIGHT STANDARDS - HIGH MAST (100' & 150' M.H.)	EACH	10
714-09.10	LUMINAIRES (206W LED OFFSET LIGHT)	EACH	23
714-09.11	LUMINAIRES (295W LED HIGH MAST)	EACH	88
714-09.12	LUMINAIRES (72W LED UNDERPASS)	EACH	4
714-12.01	CONTROL CENTER (NO. 1)	LS	1
714-12.02	CONTROL CENTER (NO. 2)	LS	1
714-25.01	ELECTRICAL CONNECTION (CONTROL CENTER NO. 1)	LS	1
714-25.02	ELECTRICAL CONNECTION (CONTROL CENTER NO. 2)	LS	1
717-01	MOBILIZATION	LS	1
740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	120
740-11.01	TEMPORARY SEDIMENT TUBE 8IN	L.F.	930
801-01	SEEDING (WITH MULCH)	UNIT	25
801-03	WATER (SEEDING & SODDING)	M.G.	3

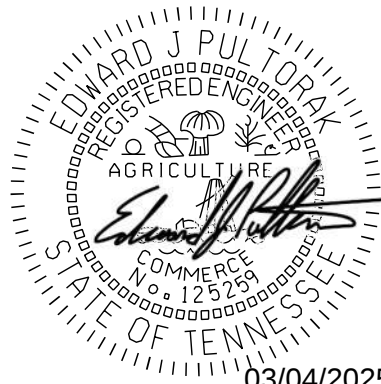
PAY ITEM FOOTNOTES

- (1) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER. SEE SECTION 209.07 OF THE STANDARDS SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
- (2) METHOD OF INSTALLATION SHALL BE DIRECTIONAL BORING METHOD ONLY. CONDUIT SHALL BE SHEDULE 80 PVC. INCLUDES 2-2" CONDUITS AT EACH DIRECTIONAL BORE CROSSING. ONE (1) CONDUIT SHALL BE SPARE. INCLUDES THE COST OF THE PULL WIRE IN THE SPARE CONDUIT.
- (3) SHALL BE CLASS 'A' CONCRETE FOUNDATION, SEE TDOT STD. DWG. T-L-1 AND STD-8-4. COSTS ASSOCIATED WITH THE FOUNDATION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE. THE DESIGN OF THE HIGH-MAST LIGHT STANDARD FOUNDATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SEE STANDARD DRAWING T-L-1.
- (4) OFFSET ROADWAY LUMINAIRE SHALL BE 206W HOLOPHANE MONGOOSE LED (MGLED): MGLEDM, P5 40K MVOLT, WR, UN, GRSD. LUMINAIRE SHALL BE BALLASTED FOR 240 VOLT OPERATION. INCLUDES THE COST OF THE 7 PIN LED COMPLIANT PHOTOCELL.
- (5) HIGH MAST LUMINAIRE SHALL BE 295W HOLOPHANE LED ROADWAY: HMLED4, PK2, 40K, MVOLT (240V), AW (AREA WIDE), PR7. TOTAL LUMENS = 43,659. LUMINAIRE SHALL BE BALLASTED FOR 240 VOLT OPERATION. INCLUDES THE COST OF THE 7 PIN LED COMPLIANT PHOTOCELL.
- (6) UNDERPASS LUMINAIRE SHALL BE 72W HOLOPHANE LED WALLPACK LIGHTING: W4GLED, 20C1000, 40K, MVOLT (120V), SPD, PR7, GYSDP. TOTAL LUMENS = 6,495. LUMINAIRE SHALL BE BALLASTED FOR 120 VOLT OPERATION. INCLUDES THE COST OF THE 7 PIN LED COMPLIANT PHOTOCELL.
- (7) THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE CONTROL CENTER(S). THESE CHARGES SHALL BE INCLUDED IN THE BID FOR THIS ITEM. INCLUDES THE COST OF THE CONCRETE PAD(S), 100 AMP DISCONNECT, METER, AND THE STEEL CONDUIT RISER ASSEMBLY. ALSO, INCLUDES THE COST TO FURNISH AND INSTALL TRANSFORMER AS REQUIRED, AND ALL APPURTENANCES REQUIRED FOR THE COMPLETE INSTALLATION.
- (8) INCLUDES THREE (3) THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL
- (9) FOR GROUNDING.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	STP-M-I-24-1(136)	2
PS&E	2025	STP-M-I-24-1(136)	2

REV. 03-03-2025: ITEM 209-20.03 QUANTITY UPDATED.

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03/04/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	STP-M-I-24-1(136)	14
PS&E	2025	STP-M-I-24-1(136)	14

REV. 03-03-2025: ITEM 209-20.03 QUANTITY UPDATED.

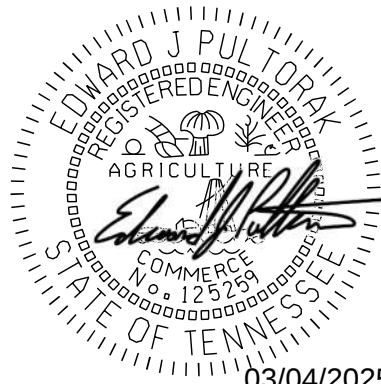
TABULATED EPSC QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY 75100-0125-54
(1) 203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	40
(1) 209-02.03	8" TEMPORARY SLOPE DRAIN	L.F.	1320
(1) 209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	4525
(1) 209-08.09	FILTER SOCK CHECK DAM	EACH	1
(1) 209-09.01	SANDBAGS	BAG	198
(1) 209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	1464
(1) 707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	4625
(1) 709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	70
(1) 740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	120
(1) 740-11.01	TEMPORARY SEDIMENT TUBE 8IN	L.F.	930
801-01	SEEDING (WITH MULCH)	UNIT	25
801-03	WATER (SEEDING & SODDING)	M.G.	3

FOOTNOTES

- (1) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER. SEE SECTION 209.07 OF THE STANDARDS SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
** TUBE 8" ** TUBE 8" **	8 INCH SEDIMENT TUBE	EC-STR-37
* HVF * HVF *	HIGH VISIBILITY FENCE	S-F-1
** SOCK 8" ** SOCK 8" **	8 INCH FILTER SOCK	EC-STR-8
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25

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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID G2012BU7.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND & TABULATION