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MATTERN & CRAIG
429 CLAY STREET
KINGSPORT, TN 37660
JASON CARDER, P.E. NO. 110081

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	SIGNAL-SIGN1
TITLE SHEET	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
GENERAL NOTES AND SPECIAL NOTES	2C
R.O.W. ACQUISITION TABLE, UTILITY NOTES, AND OWNERS	3
RIGHT OF WAY DETAILS	4
PROPOSED SIGNAL LAYOUT	4A

YEAR	PROJECT NO.	SHEET NO.
2026	30S070-S3-002	SIGNAL-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO X
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO X

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.		
STATE PROJ. NO.	30S070-S3-002	

GREENE COUNTY

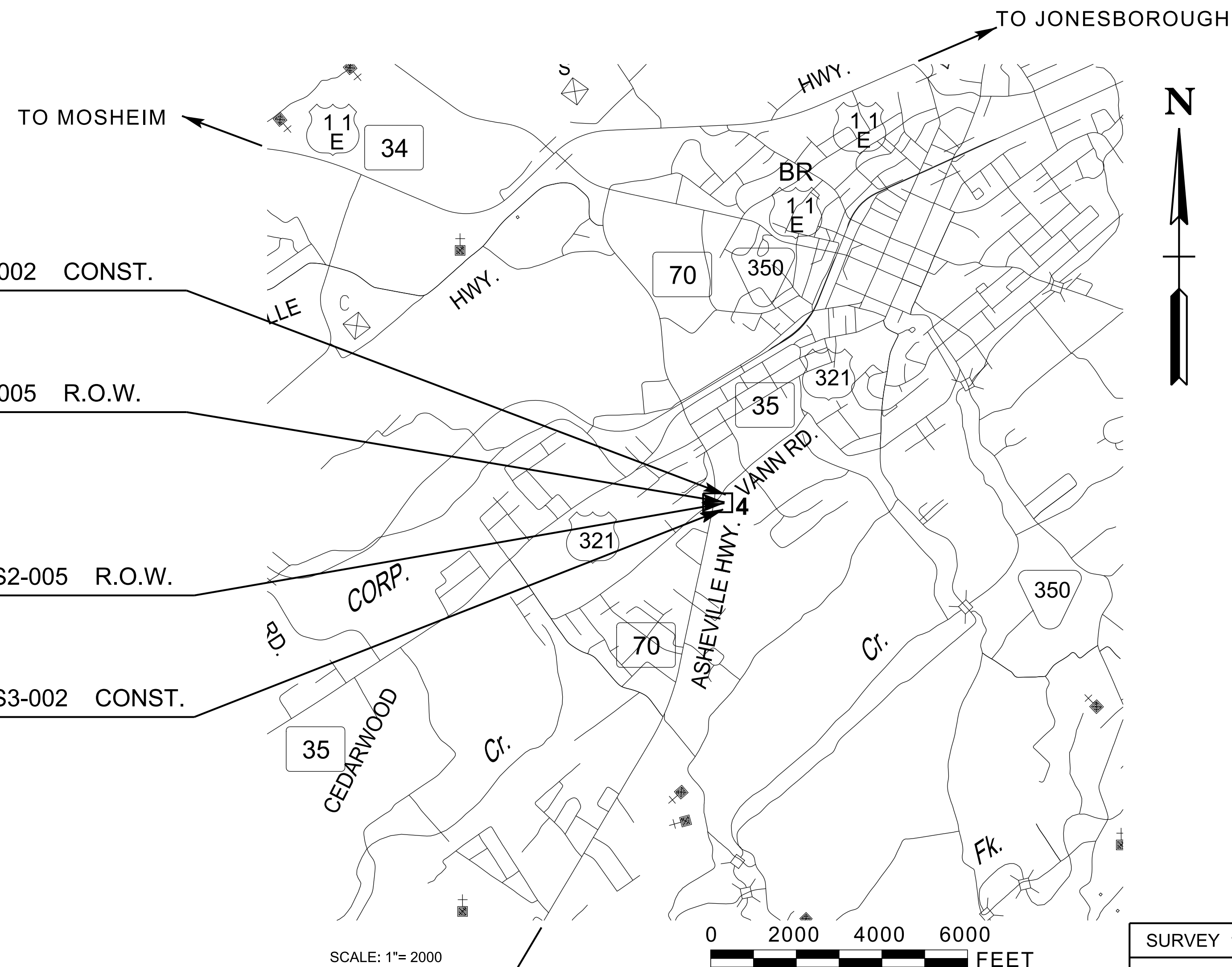
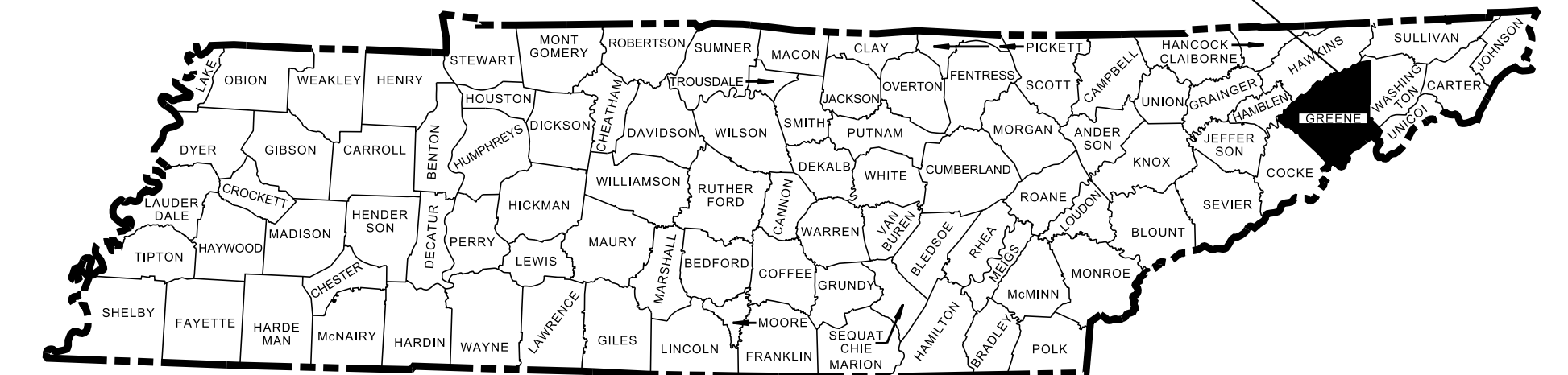
SR-70 (ASHEVILLE HIGHWAY), INTERSECTION AT VANN ROAD
IN GREENEVILLE (TSMP)

PS&E

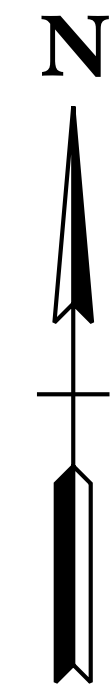
TRAFFIC SIGNAL MODERNIZATION PROGRAM

STATE HIGHWAY NO. 70 F.A.H.S. NO. N/A

PROJECT LOCATION



NO EXCLUSIONS



END PROJECT NO. 30S070-S3-002 CONST.
STA. 14+00.00
N 675876.7411 E 2899572.0680

END PROJECT NO. 30S070-S2-005 R.O.W.
STA. 12+23.55
N 675702.3012 E 2899545.9299

BEGIN PROJECT NO. 30S070-S2-005 R.O.W.
STA. 11+99.29
N 675678.5311 E 2899541.0799

BEGIN PROJECT NO. 30S070-S3-002 CONST.
STA. 10+50.00
N 675532.4361 E 2899510.3594

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT STATEWIDE TRANSPORTATION ENGINEER: STEPHEN K. BRYAN, P.E.

DESIGNED BY: MATTERN & CRAIG

DESIGNER: TODD JONES, P.E. CHECKED BY JASON CARDER, P.E., PTOE, RSP

P.E. NO. 30S070-S3-002

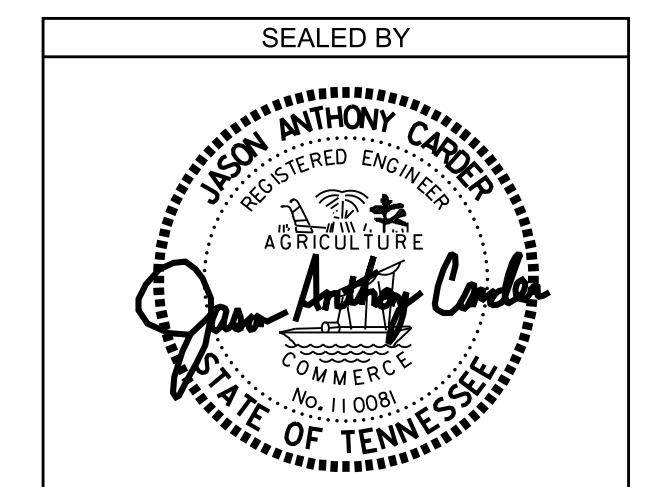
PIN NO. 129736.31

R.O.W. LENGTH	0.005 MILES
ROADWAY LENGTH	0.066 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
PROJECT LENGTH	0.066 MILES

SR-70

SURVEY 11-28-22	TRAFFIC DATA	
	ADT (2026)	12,550
	ADT (2031)	12,860
	DHV (2031)	1,286
	D	65 - 35
	T (ADT)	2 %
	T (DHV)	1 %
	V	30 MPH

COORDINATE VALUES ARE NAD 83 (CORS 2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001, AND TIED TO TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING THE GEOID 18 MODEL, OBTAINED ON 10-19-22.



APPROVED:
SHANE HESTER, CHIEF ENGINEER

DATE: _____

APPROVED:
WILL REID, COMMISSIONER

PS&E INDEX OF SHEETS

SHEET NAME

SHEET NO.

SIGNATURE SHEET	SIGNAL-SIGN1
TITLE SHEET	1
ROADWAY INDEX, STANDARD ROADWAY DRAWINGS, AND TRAFFIC DESIGN DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
GENERAL NOTES AND SPECIAL NOTES	2C
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RIGHT OF WAY DETAILS	4
PROPOSED SIGNAL LAYOUT	4A
UTILITY INDEX, UTILITY OWNERS	U1-1

NOTE:

NO PROJECT COMMITMENTS INCLUDED IN THIS PLAN SET.

STANDARD ROADWAY DRAWINGS

DWG. NO. REV. DESCRIPTION

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	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING

STANDARD TRAFFIC DESIGN DRAWINGS

DWG. REV. DESCRIPTION

SIGNALS

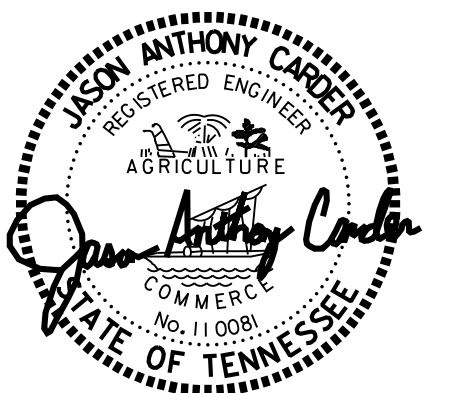
T-SG-3	07-11-17	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
T-SG-3A	06-27-16	ALTERNATE DETECTION LOOPS
T-SG-4	06-27-16	SPAN WIRE AND MESSENGER CABLE DETAILS
T-SG-5	06-27-16	CONTROLLER CABINET DETAILS
T-SG-7	10-21-19	SIGNAL HEAD ASSEMBLIES
T-SG-7C		TYPICAL SIGNAL HEAD PLACEMENT ONE-LANE AND TWO-LANE APPROACHES
T-SG-7D	09-12-23	TYPICAL SIGNAL HEAD PLACEMENT TWO-LANE APPROACHES
T-SG-7E		TYPICAL SIGNAL HEAD PLACEMENT THREE-LANE APPROACHES
T-SG-8	06-27-16	STRAIN POLE DETAILS FOR SPAN MOUNTED SIGNALS
T-SG-9A	07-12-17	MISCELLANEOUS SIGNAL DETAILS
T-SG-12	12-20-19	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS

DESIGN-TRAFFIC CONTROL

T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	30S070-S3-002	1A
PS&E	2026	30S070-S3-002	1A

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX,
STANDARD ROADWAY DRAWINGS,
AND TRAFFIC DESIGN DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	30S070-S3-002	2
PS&E	2026	30S070-S3-002	2

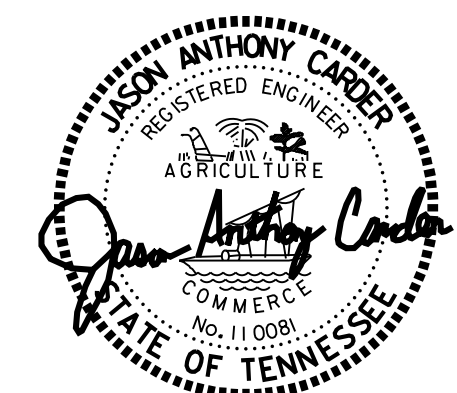
ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY 30S070-S3-002
(1) 712-01	TRAFFIC CONTROL	LS	1
717-01	MOBILIZATION	LS	1
(2) 730-01.02	REMOVAL OF SIGNAL EQUIPMENT	EACH	1
730-02.03	SIGNAL HEAD ASSEMBLY (130 A3 WITH BACKPLATES)	EACH	1
730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATES)	EACH	4
730-02.14	SIGNAL HEAD ASSEMBLY (140 A1 WITH BACKPLATES)	EACH	2
730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATES)	EACH	2
(3) 730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1
730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	1000
(4) 730-09.20	SPAN WIRE ASSEMBLY	L.F.	600
730-10.01	TETHER WIRE ASSEMBLY - 1/4" DIAMETER	L.F.	600
730-12.03	CONDUIT 3" DIAMETER (PVC SCHEDULE 40)	L.F.	40
(5) 730-13.08	VEHICLE DETECTOR (RADAR - STOP LINE)	EACH	4
(6) 730-15.07	CABINET (ATC)	EACH	1
(7) (8) 730-16.04	CONTROLLER (ATC)	EACH	1
801-01	SEEDING (WITH MULCH)	UNIT	1
801-03	WATER (SEEDING & SODDING)	M.G.	1

FOOTNOTES

- (1) ITEM TO INCLUDE PAYMENT FOR APPROPRIATE TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH THE MUTCD, INCLUDING BUT NOT LIMITED TO DRUMS, SIGNS, BARRICADES, ETC.
- (2) ITEM TO INCLUDE THE COST OF REMOVING EIGHT (8) EXISTING SIGNAL HEADS, WIRING, EXISTING CABINET, AND CABINET BASE.
- (3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER. THESE CHARGES AND ANY OTHER EQUIPMENT NECESSARY FOR A COMPLETE SERVICE CONNECTION SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM FOR PAYMENT BY THE CONTRACTOR. ELECTRIC METER TO BE MOUNTED TO SIDE OF CABINET.
- (4) ITEM TO INCLUDE ALL CABLES AND HARDWARE NECESSARY TO INSTALL THE SPAN ASSEMBLY AS SHOWN ON THE PLANS.
- (5) EQUIPMENT SHALL BE FOR A STOP BAR DETECTION SYSTEM. INCLUDES ALL SENSOR UNITS, HARDWARE, SOFTWARE, MOUNTING ASSEMBLIES, 1,000 FEET OF POWER CABLE, SURGE PROTECTION, AND ANY RELATED EQUIPMENT TO PROVIDE A FULLY FUNCTIONAL RADAR DETECTION SYSTEM AS SHOWN ON THE PLANS. CONTRACTOR TO ENSURE COMPATIBILITY WITH SIGNAL CONTROLLER.
- (6) ITEM TO INCLUDE THE CONSTRUCTION OF THE BASE AND INSTALLATION OF THE CABINET.
- (7) SEE SP730 FOR ADDITIONAL INFORMATION.
- (8) CONTRACTOR SHALL PROGRAM THE NEW CONTROLLER WITH PHASING AND TIMING DATA FROM EXISTING CONTROLLER.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

GENERAL NOTES

SEEDING AND SODDING

- (4) ITEM NO. 801-01, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

MISCELLANEOUS

- (3) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

SIGNALIZATION

- (1) EQUIPMENT AND INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS, SECTION 730.
- (6) SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE TOWN OF GREENEVILLE AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE TOWN OF GREENEVILLE.
- (8) ANY SIGNAL HEADS, WHEN VISIBLE TO DRIVERS BUT NOT OPERATIONAL, SHALL BE COMPLETELY COVERED.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (5) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (7) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SPECIAL NOTES

SIGNAL HEADS

- (1) ALL CIRCULAR AND ARROW INDICATIONS WITHIN ALL VEHICULAR SIGNAL HEADS PROPOSED FOR THIS PROJECT SHALL CONSIST OF AN LED (LIGHT EMITTING DIODE) SIGNAL MODULE UNLESS OTHERWISE NOTED IN THE PLANS.
- (2) CIRCULAR INDICATIONS SHALL MEET "ITE VTCSH-LED CIRCULAR SIGNAL SUPPLEMENT" FOR EXPANDED/EXTENDED VIEW. ARROW INDICATIONS SHALL MEET "ITE VTCSH-3 LED ARROW SPECIFICATION" FOR EXPANDED/EXTENDED VIEW.
- (3) INCANDESCENT OR SCREW-IN MODULES ARE NOT ACCEPTABLE.
- (4) COMPATIBILITY WITH CONFLICT MONITORS AND LOAD SWITCHES SHALL BE TESTED AND CONFIRMED.
- (5) MANUFACTURER SHALL PROVIDE A MINIMUM FIVE-YEAR WARRANTY FOR OPERATION OF THE UNIT.
- (6) ALL SIGNAL HEADS WITH LED LENSES SHALL INCLUDE SWIVEL BALANCE ADJUSTERS TO MAINTAIN THE PROPER VISIBILITY. COSTS OF ADJUSTERS TO BE INCLUDED IN COSTS OF SIGNAL HEADS.
- (7) THE ATTACHMENT OF THE TETHER WIRE TO THE POLE SHALL BE LOCATED BELOW THE LOWEST ELEVATION OF THE SIGNAL HEADS.
- (8) SIGNAL HEADS SHALL INCLUDE LOUVERED BACKPLATES WITH A 1" MINIMUM, 3" MAXIMUM YELLOW RETRO REFLECTIVE BORDER AROUND THE PERIMETER OF THE FACE OF THE BACKPLATE. THE RETRO REFLECTIVE BORDER IS TO BE MADE OF A TYPE III PRISMATIC OR BETTER MATERIAL.

SCOPE OF WORK

- (9) WORK TO INCLUDE MODIFICATION TO THE EXISTING TRAFFIC SIGNAL SYSTEM.

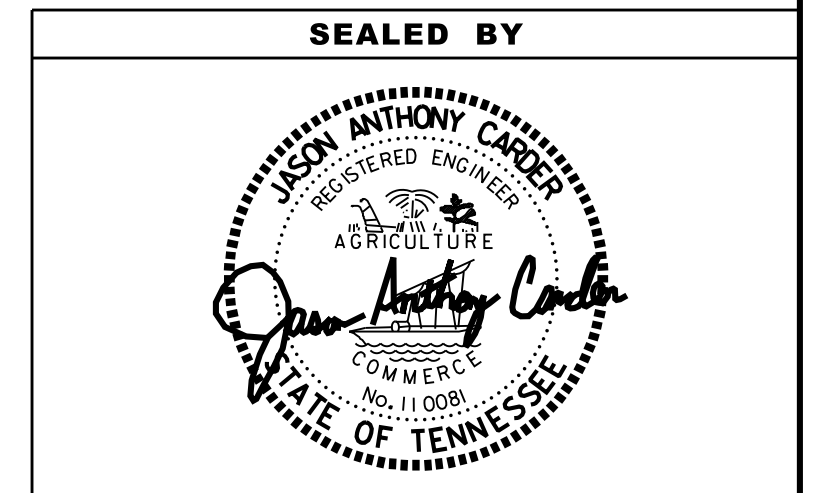
LANE CLOSURES

- (10) LANE CLOSURES MUST BE SCHEDULED TO AVOID IMPACTS TO SCHOOL TRAFFIC DURING ARRIVAL AND DISMISSAL.

CONSTRUCTION WORK ZONE AND TRAFFIC CONTROL

- (11) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-01, TRAFFIC CONTROL, LUMP SUM.
- (12) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL, LUMP SUM.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	30S070-S3-002	2A
PS&E	2026	30S070-S3-002	2C



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND
SPECIAL NOTES

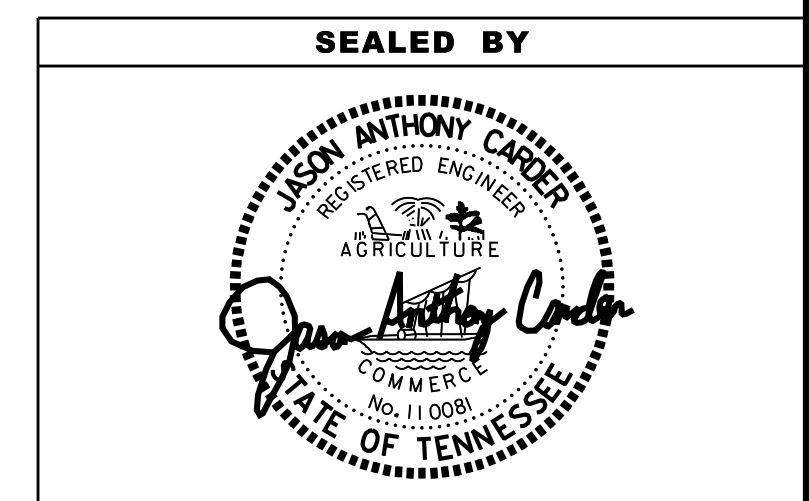
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	30S070-S2-005	3
P.I.H.	2025	30S070-S3-002	3
PS&E	2026	30S070-S3-002	3

UTILITY

UTILITY OWNERS

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

DISTURBED AREA		
IN BETWEEN SLOPE LINES	0.000	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.000	(AC)
TOTAL DISTURBED AREA	0.009	(AC)
TOTAL PROJECT AREA	0.009	(AC)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

R.O.W. ACQUISITION TABLE,
UTILITY NOTES,
AND OWNERS

R.O.W. ACQUISITION TABLE																	
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION (1)	AIR RIGHTS
				BOOK	PAGE												
1	CAROLINE GRACE, LLC	110J/G	041.00	201A	1			14.104			14.104						
(1) 2	TOWN OF GREENEVILLE, TENNESSEE	110C/A	002.00	211	496			18.789			18.789					399 S.F.	
ACQUISITION TOTALS (ACRES)																399 S.F.	

(1) TO BE USED FOR WORKING ROOM.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	30S070-S2-005	5
P.I.H.	2025	30S070-S3-002	4
PS&E	2026	30S070-S3-002	4

END PROJECT NO. 30S070-S3-002 CONST.

STA. 14+00.00

N 675876.7411 E 2899572.0680

CONTROL POINTS			
Point	North	East	Elevation
S08	675942.149	2899544.074	1554.808
S09	675580.878	2899468.974	1531.254
S10	675273.055	2899502.161	1523.315

END PROJECT NO. 30S070-S2-005 R.O.W.

STA. 12+23.55

N 675702.3012 E 2899545.9299

BEGIN PROJECT NO. 30S070-S2-005 R.O.W.

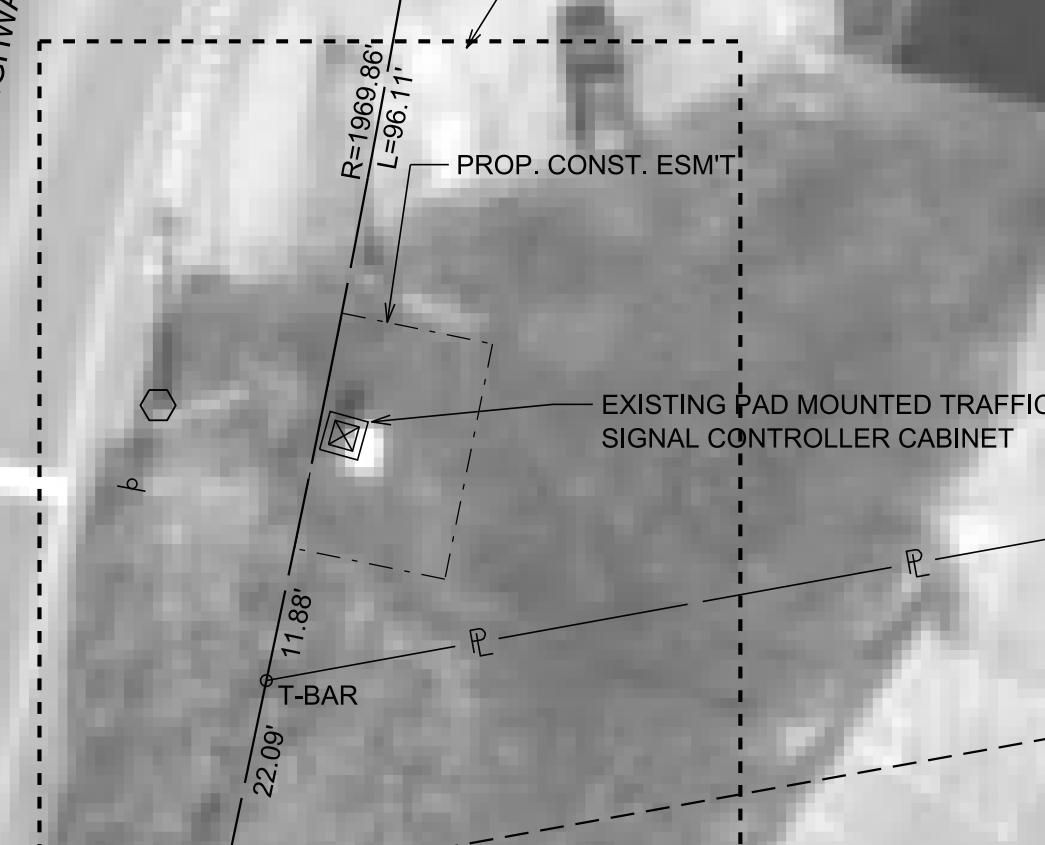
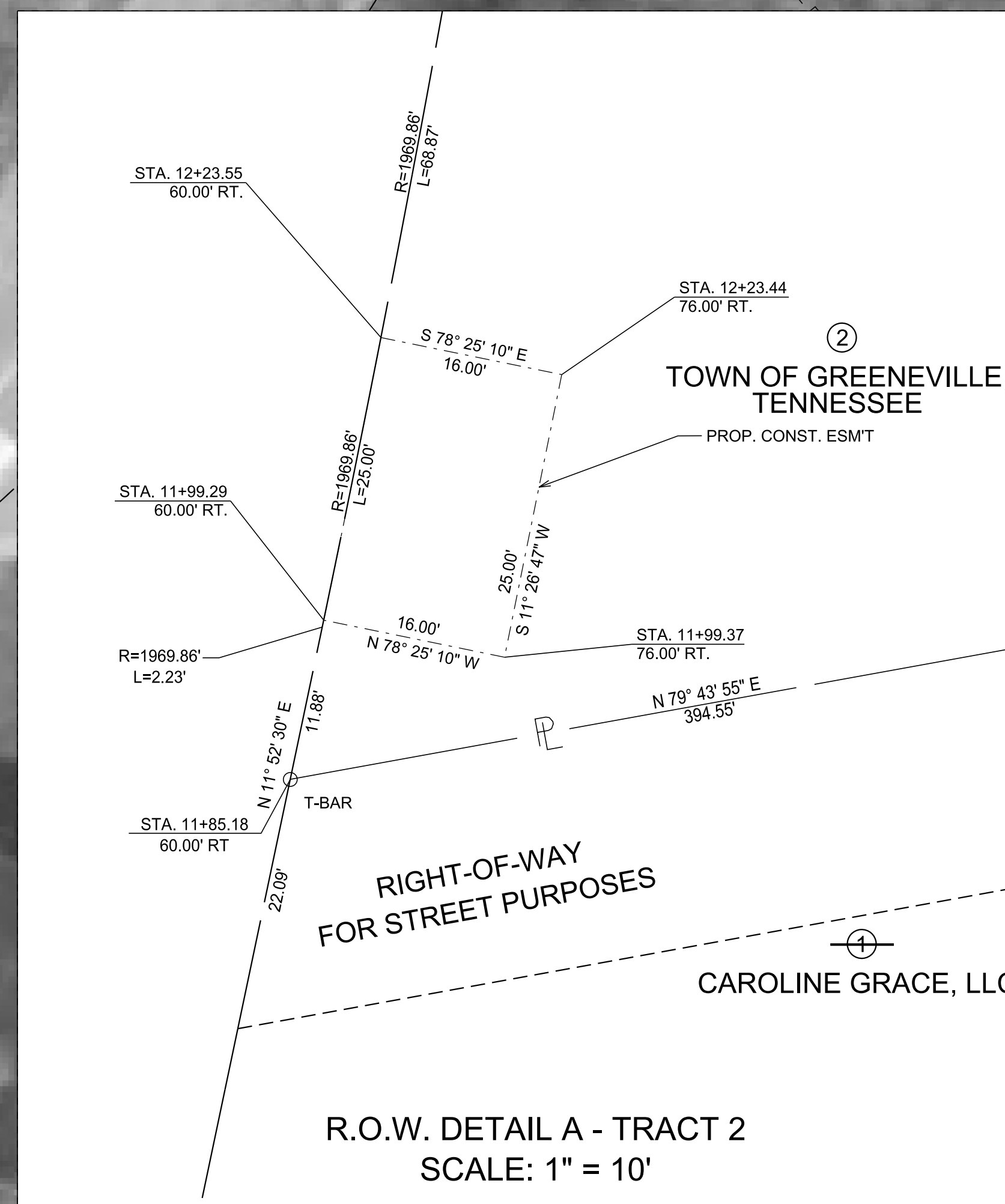
STA. 11+99.29

N 675678.5311 E 2899541.0799

BEGIN PROJECT NO. 30S070-S3-002 CONST.

STA. 10+50.00

N 675532.4361 E 2899510.3594



SEALED BY

COORDINATE VALUES ARE NAD 83 (CORS 2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001, AND TIED TO TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING THE GEOID 18 MODEL, OBTAINED ON 10-19-22.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**RIGHT OF WAY
DETAILS**

STA. 10+50 TO STA. 14+00
SCALE: 1" = 20'

SR-70 (ASHEVILLE HIGHWAY)
AND
VANN ROAD

12/30/2025 3:39:33 PM H:\4328B - Greenville - SR70 at Vann Rd\03 Design\05-CAD\04_ROW Details.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	30S070-S2-005	4
P.I.H.	2025	30S070-S3-002	4A
PS&E	2026	30S070-S3-002	4A

END PROJECT NO. 30S070-S3-002 CONST.

STA. 14+00.00

N 675876.7411 E 2899572.0680

CONTROL POINTS			
Point	North	East	Elevation
S08	675942.149	2899544.074	1554.808
S09	675580.878	2899468.974	1531.254
S10	675273.055	2899502.161	1523.315

END PROJECT NO. 30S070-S2-005 R.O.W.

STA. 12+23.55

N 675702.3012 E 2899545.9299

BEGIN PROJECT NO. 30S070-S2-005 R.O.W.

STA. 11+99.29

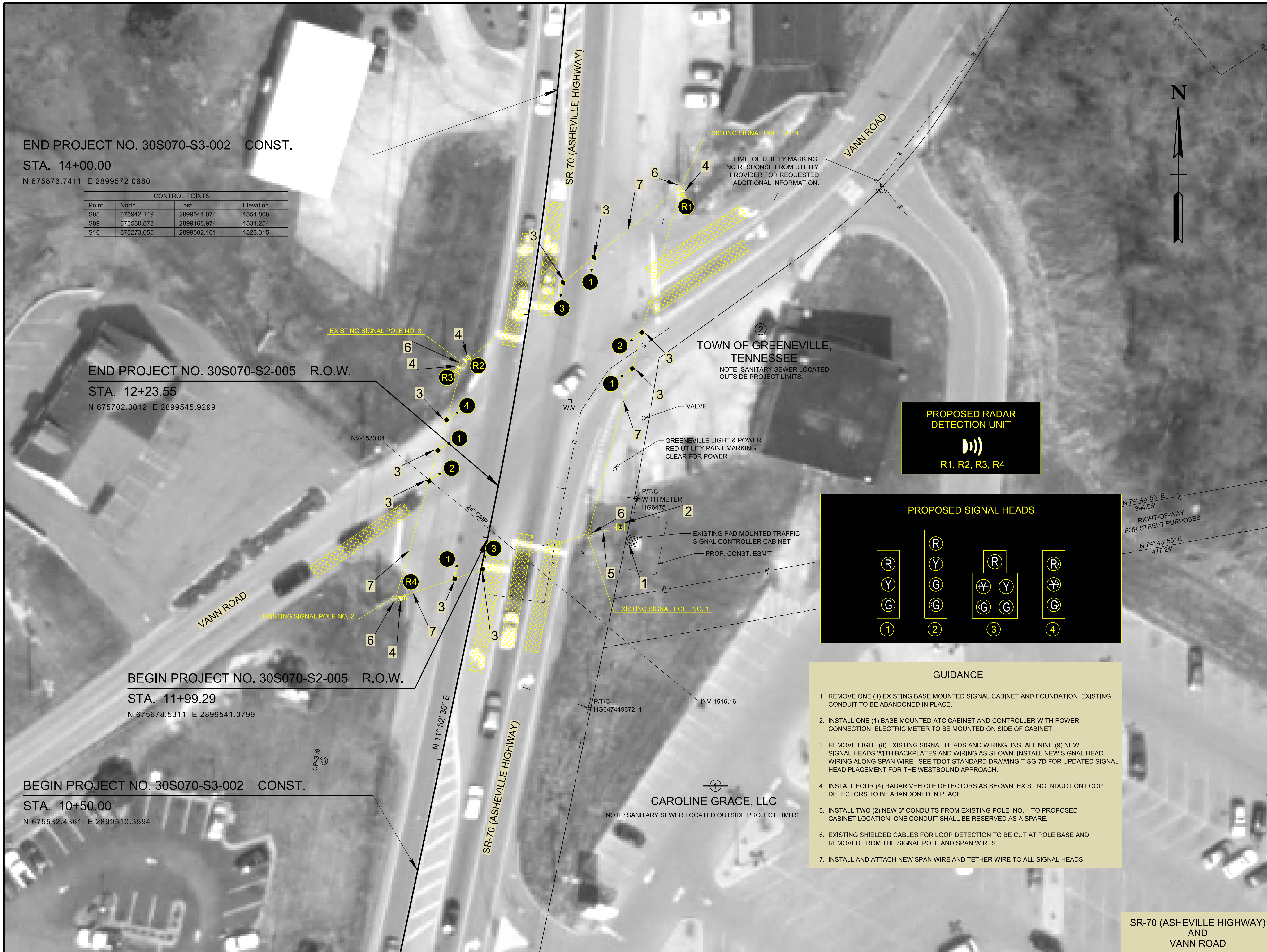
N 675678.5311 E 2899541.0799

BEGIN PROJECT NO. 30S070-S3-002 CONST.

STA. 10+50.00

N 675532.4361 E 2899510.3594

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PROPOSED RADAR DETECTION UNIT

R1, R2, R3, R4

PROPOSED SIGNAL HEADS

- GUIDANCE**
- REMOVE ONE (1) EXISTING BASE MOUNTED SIGNAL CABINET AND FOUNDATION. EXISTING CONDUIT TO BE ABANDONED IN PLACE.
 - INSTALL ONE (1) BASE MOUNTED ATC CABINET AND CONTROLLER WITH POWER CONNECTION. ELECTRIC METER TO BE MOUNTED ON SIDE OF CABINET.
 - REMOVE EIGHT (8) EXISTING SIGNAL HEADS AND WIRING. INSTALL NINE (9) NEW SIGNAL HEADS WITH BACKPLATES AND WIRING AS SHOWN. INSTALL NEW SIGNAL HEAD WIRING ALONG SPAN WIRE. SEE TDOT STANDARD DRAWING T-SG-7D FOR UPDATED SIGNAL HEAD PLACEMENT FOR THE WESTBOUND APPROACH.
 - INSTALL FOUR (4) RADAR VEHICLE DETECTORS AS SHOWN. EXISTING INDUCTION LOOP DETECTORS TO BE ABANDONED IN PLACE.
 - INSTALL TWO (2) NEW 3" CONDUITS FROM EXISTING POLE NO. 1 TO PROPOSED CABINET LOCATION. ONE CONDUIT SHALL BE RESERVED AS A SPARE.
 - EXISTING SHIELDED CABLES FOR LOOP DETECTION TO BE CUT AT POLE BASE AND REMOVED FROM THE SIGNAL POLE AND SPAN WIRES.
 - INSTALL AND ATTACH NEW SPAN WIRE AND TETHER WIRE TO ALL SIGNAL HEADS.

SR-70 (ASHEVILLE HIGHWAY) AND VANN ROAD

SEALED BY

COORDINATE VALUES ARE NAD 83 (CORS 2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001, AND TIED TO TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING THE GEOID 18 MODEL, OBTAINED ON 10-19-22.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAL LAYOUT
 STA. 10+50 TO STA. 14+00
 SCALE: 1"= 20'

TENN.	YEAR	SHEET NO.
	2026	U1-1
FED. AID PROJ. NO.		
STATE PROJ. NO.	30S070-S3-005	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

GREENE COUNTY

S.R. 70 (ASHEVILLE HIGHWAY) INTERSECTION AT VANN ROAD,
IN GREENEVILLE (TSMP)

STATE HIGHWAY NO. 70 F.A.H.S. NO.

UTILITIES INDEX	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITY OWNERS	U1 SERIES

**UTILITIES NOT IN
ROADWAY CONTRACT**

<p>ELEC: GREENEVILLE LIGHT AND POWER P.O. BOX 1690 GREENEVILLE, TN 37744 STACY BOLTON (423) 636-6227 (NO CONFLICT)</p>	<p>GAS: ATMOS 2833 WEST MARKET STREET JOHNSON CITY, TN 37604 AARON BOTT (423) 507-4892 (NO CONFLICT)</p>
<p>SEWER: GREENEVILLE WATER COMMISSION 516 NORTH MAIN STREET GREENEVILLE, TN 37745 ERIC FRYE (423) 828-1330 (NO CONFLICT)</p>	<p>SEWER: GREENEVILLE WATER COMMISSION 516 NORTH MAIN STREET GREENEVILLE, TN 37745 ERIC FRYE (423) 828-1330 (NO CONFLICT)</p>
<p>COMM: BRIGHTSPEED (CENTURYLINK) 101 NORTH ROAN STREET JOHNSON CITY, TN 37601 ANDREW ICE 423-470-5636 (NO CONFLICT)</p>	

\$\$\$\$\$TIME\$\$\$\$\$
\$\$\$\$\$DIMENSIONS\$\$\$\$\$
\$\$\$\$\$SPECIFICATIONS\$\$\$\$\$