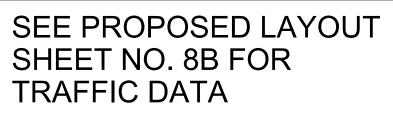


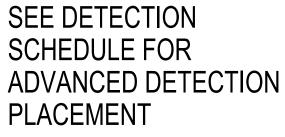
TYPE	YEAR	PROJECT NO.	SHEET NO.	
CONST.	2024	NH-34(86)	SIG-1	

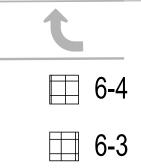
S.R. 34

HAMBLEN CO.

-										
Ξ	DATA AND SPAN DETAILS									
	SNS	S	S	SH-1	SH-2	SH-3	S	SNS	SH-4	
	13.54			26.9	38.55	46.55			54.55	
		80.07		86.57	98.57	110.57	116.81	124.64		
	37.47			48.41	60.88					
		46.29	54.26	63.44	81.44	93.54		108.83		

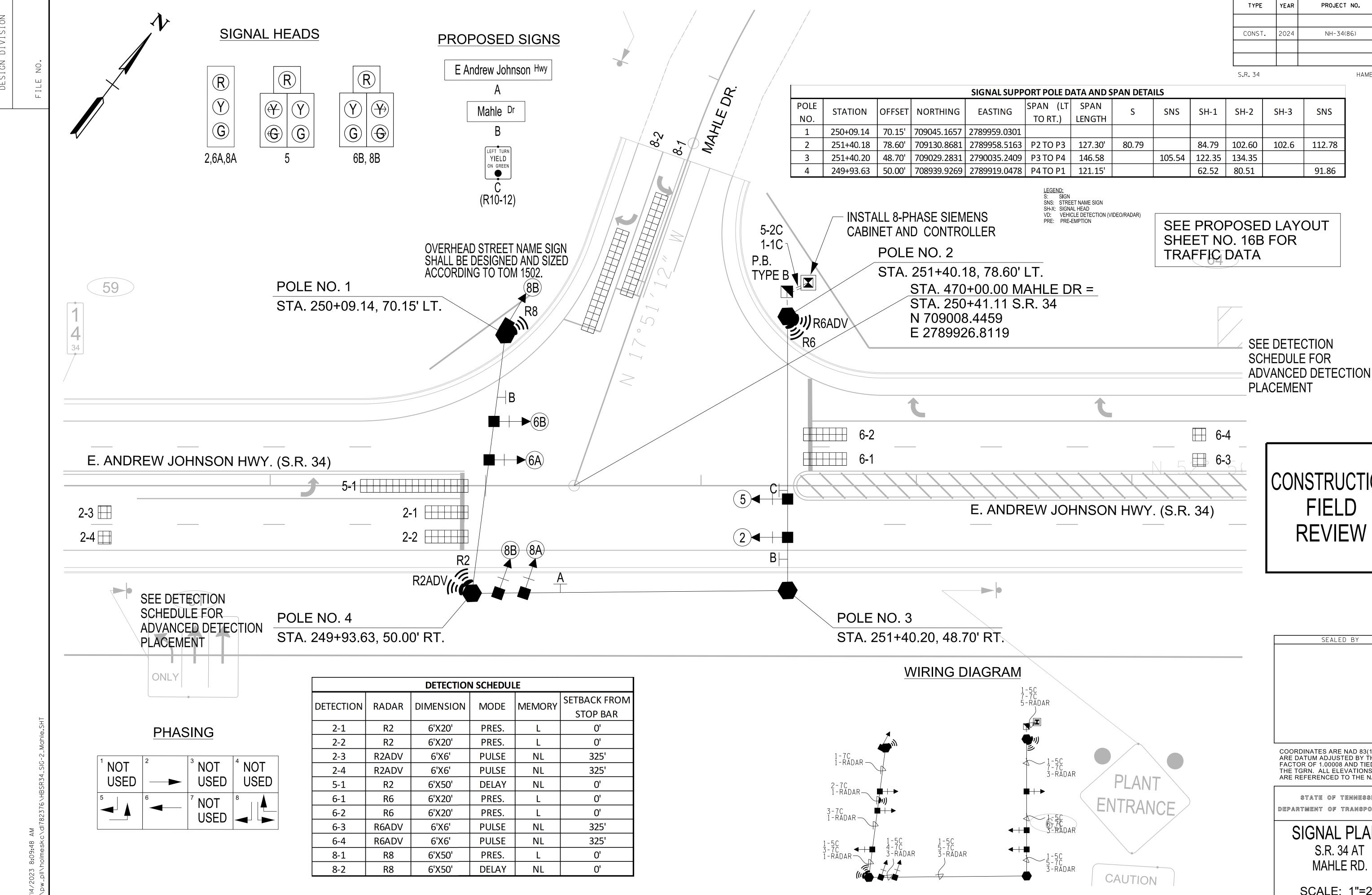






CONSTRUCTION FIELD REVIEW

SEALED BY
COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.
STATE OF TENNESSEE Department of transportation
SIGNAL PLANS S.R. 34 AT JAYBIRD
SCALE: 1"=20'



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2024	NH-34(86)	SIG-2

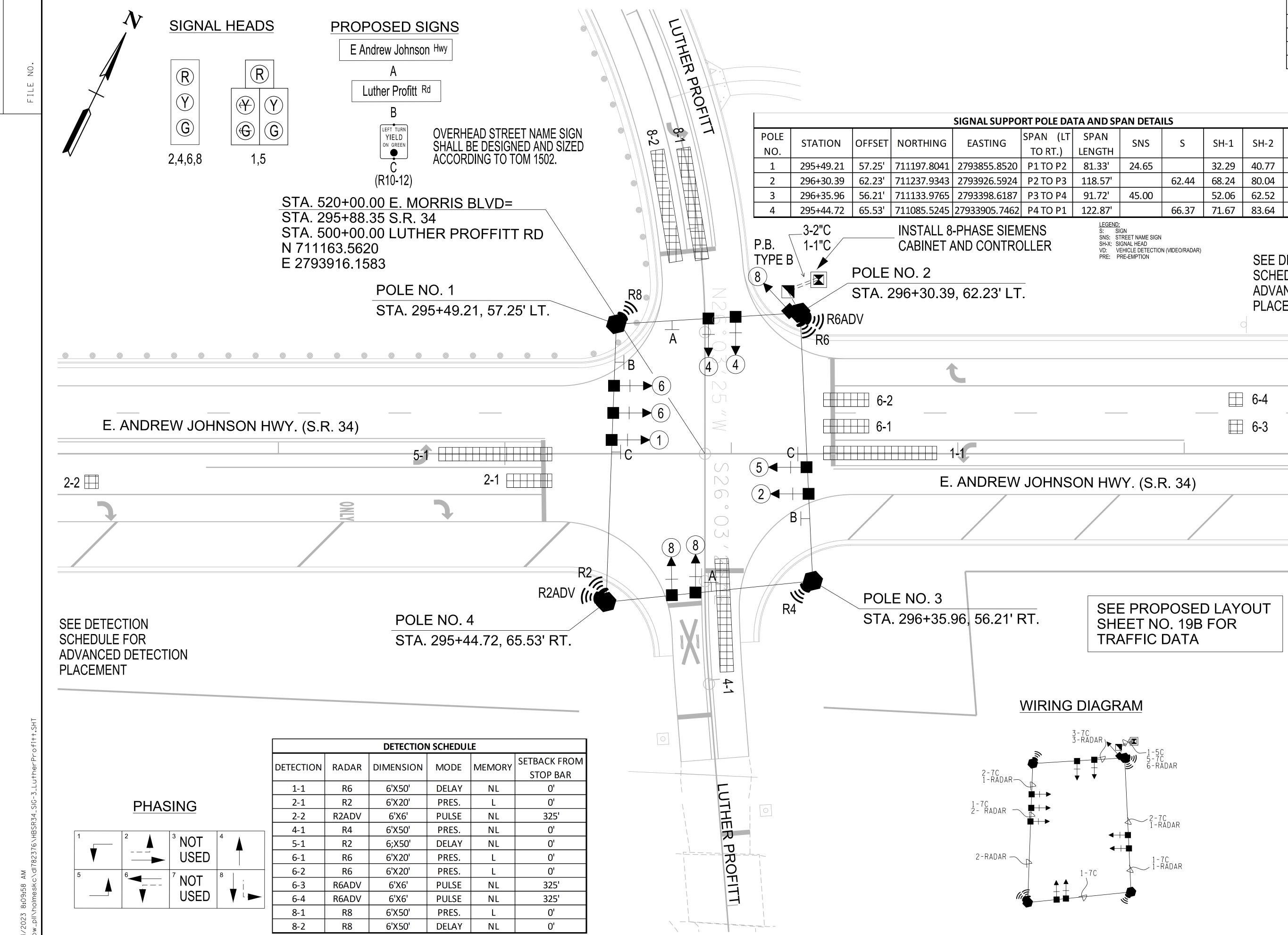
HAMBLEN CO.

(LT (T.)	SPAN LENGTH	S	SNS	SH-1	SH-2	SH-3	SNS
D P 3	127.30'	80.79		84.79	102.60	102.6	112.78
D P4	146.58		105.54	122.35	134.35		
D P1	121.15'			62.52	80.51		91.86

SEE PROPOSED LAYOUT SHEET NO. 16B FOR

CONSTRUCTION FIELD REVIEW

SEALED BY				
COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.				
STATE OF TENNESSEE Department of transportation				
SIGNAL PLANS S.R. 34 AT MAHLE RD.				
SCALE: 1"=20'				



TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2024	NH-34(86)	SIG-3
S.R. 34		HAMBLEN	V CO.

ND SPAN DETAILS								
AN IGTH	SNS	S	SH-1	SH-2	SH-3	SNS		
.33'	24.65		32.29	40.77	52.77			
8.57'		62.44	68.24	80.04		90.99		
.72'	45.00		52.06	62.52				
2.87'		66.37	71.67	83.64	95.64	106.05		



SEALED BY
COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
SIGNAL PLANS
S.R. 34 AT
LUTHER PROFITT
SCALE: 1"=20'

CONSTRUCTION

FIELD

REVIEW

NOTES	ITEM NO.	UNIT	DESCRIPTION	TOTAL QUANTI
	712-01	LS	TRAFFIC CONTROL	1
1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS NO. 730 AND CITY OF MORRISTOWN STANDARD	1 713-14.21	EA	STREET NAME SIGN (RIGID 0.100 IN THICK)	9
SPECIFICATIONS (SP730MTOWN)	713-16.20	EA	SIGNS (LED ELECTRONIC BLANK OUT R3-1)	1
 REFER TO TDOT STANDARD DETAILS NOS. 2, 3A, 4, 5, 7, 7A, C, D, E, F, G, HH, 8,9A, 12. 	713-16.21	EA	SIGNS (LED ELECTRONIC BLANK OUT R3-2)	1
3. CABINET AND CONTROLLER SHALL BE SIEMENS M60 COMPATIBLE	713-16.22	EA	SIGNS (R10-12)	3
WITH THE CITY OF MORRISTOWN CURRENT SIGNAL SYSTEM. 4. THE LOCATION OF THE UTILITIES SHOWN WITHIN THESE PLANS ARE	717-01	LS	MOBILIZATION	1
APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED.	2 730-01.02	EA	REMOVAL OF SIGNAL EQUIPMENT	2
ONTRACTOR RESPONSIBLE FOR COORDINATION WITH TENNESSEE NE CALL AND LOCATION OF ALL UTILITIES. COST OF ANY DAMAGE				
TO UTILITY FACILITIES TO BE BORNE BY CONTRACTOR.	730-02.03	EA	SIGNAL HEAD ASSEMBLY (130 A3 W/BACKPLATE)	2
6. COORDINATE ELECTRICAL SERVICE CONNECTION WITH THE CITY	730-02.08	EA	SIGNAL HEAD ASSEMBLY (130 POLE MOUNTED)	1
OF MORRISTOWN.	730-02.09	EA	SIGNAL HEAD ASSEMBLY (130 W/BACKPLATE)	15
 ALL TRAFFIC SIGNALS UTILIZE 12" DISPLAYS WITH BACKPLATES. UNLESS ATTACHED TO POLES WHERE NO BACKPLATE IS REQUIRED. 	730-02.14	EA	SIGNAL HEAD ASSEMBLY (140 A1 W/ BACKPLATE)	1
ANY SIGNAL HEAD VISIBLE TO DRIVERS AND NOT IN OPERATION	730-02.17	EA	SIGNAL HEAD ASSEMBLY (150 A2H W/BACKPLATE)	9
SHALL BECOVERED.	730-02.18	EA	SIGNAL HEAD ASSEMBLY (150 A2 POLE MOUNTED)	1
8. ALL CIRCULAR INDICATIONS WITHIN ALL VEHICULAR SIGNAL HEADS SHALL CONSIST OF A L.E.D. (LIGHT EMITTING DIODE) SIGNAL MODULE IN CONFORMANCE TO ITE STANDARDS. LED MODULE RETROFITS ARE UNACCEPTABLE AND MODULE SHALL BE COMPATIBLE	730-03.21	EA	INSTALL PULL BOX (TYPE B)	3
WITH THE CONFLICT MONITOR OR MMU.				
9. LED ARROW DISPLAYS SHALL BE OPERATED WITH THREE ROWS OF	3 730-05.01	EA	ELECTRICAL SERVICE CONNECTION	3
LED'S PER VECTOR OF ARROW. SINGLE ROW IS NOT PERMITTED.	730-08.02		SIGNAL CABLE - 5 CONDUCTOR	800
10. DISTURBED AREAS SHALL BE RETURNED TO ORIGINAL CONDITION UNLESS OTHERWISE APPROVED BY THE CITY OF MORRISTOWN.	730-08.03	LF	SIGNAL CABLE - 7 CONDUCTOR	3200
HICLE DETECTION WILL BE WAVETRONIX RADAR DETECTION TO	730-09.20	LF	SPAN WIRE ASSEMBLY	1270
LUDE ALL SENSING UNITS, PROCESSOR UNITS, HARDWARE, LE, AND RELATED EQUIPMENT TO PROVIDE DETECTION ZONES WN ON PLANS.	730-10.01	LF	TETHER WIRE ASSEMBLY - 1/4" DIAMETER	1270
RACTOR SHALL PROVIDE MODEM AND ALL DEVICES REQUIRED	730-11.01	EA	STEEL CONDUIT RISER ASSEMBLY	4
FOR COMMUNICATIONS WITHIN THE CITY OF MORRISTOWN SIGNAL SYSTEM.	4 730-12.08		CONDUIT 2" DIAMETER (RGS)	275
	1 720-12 16		CONDUIT 1" (RGS)	65
13. FINAL DESIGN OF POLES AND FOUNDATIONS ARE THE RESPONSIBILIT OF THE POLE MANUFACTURER AND/OR CONTRACTOR.	Y			
14. SIGNAL POLE LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED SUBJECT TO APPROVAL BY TDOT.		EA	VEHICLE DETECTOR (RADAR - STOP BAR)	11
	OVAL 730-13.13	EA	VEHICLE DETECTOR (RADAR - ADVANCE)	6
15. CONTRACTOR SHALL CONTACT THE CITY OF MORRISTOWN FOR APPF		EA	CABINET (EIGHT PHASE BASE MOUNTED)	3
15. CONTRACTOR SHALL CONTACT THE CITY OF MORRISTOWN FOR APPE PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS.	730-15.32			
PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS. 16. CONTRACTOR SHALL REMOVE STOP SIGNS WHEN THE TRAFFIC SIGN/ ACTIVATED IN THEIR INITIAL "FLASH" MODE PERIOD. SIGNS TO BE PROV	ALS ARE //IDED			
PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS. 16. CONTRACTOR SHALL REMOVE STOP SIGNS WHEN THE TRAFFIC SIGN/ ACTIVATED IN THEIR INITIAL "FLASH" MODE PERIOD. SIGNS TO BE PROV TO THE PROPERTY OWNER.	ALS ARE (IDED 730-16.14	EA	CONTROLLER (EIGHT PHASE ACTUATED, LOCAL)	3
PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS. 16. CONTRACTOR SHALL REMOVE STOP SIGNS WHEN THE TRAFFIC SIGN/ ACTIVATED IN THEIR INITIAL "FLASH" MODE PERIOD. SIGNS TO BE PROV	ALS ARE (IDED 730-16.14	EA EA	CONTROLLER (EIGHT PHASE ACTUATED, LOCAL) INSTALLATION OF CABINET AND CONTROLLER	3
 PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS. 16. CONTRACTOR SHALL REMOVE STOP SIGNS WHEN THE TRAFFIC SIGN, ACTIVATED IN THEIR INITIAL "FLASH" MODE PERIOD. SIGNS TO BE PROVID THE PROPERTY OWNER. 17. EMERGENCY PREEMPTION UNITS ARE TO BE 3M OPTICOM IR TO INCL ONE PHASE SELECTOR, 4 DETECTING DEVICES, AND ALL CABLE AND HARDWARE TO PROVIDE DETECTION ZONES SHOWN ON PLANS. 18. CONTRACTOR WILL PROVIDE A 8-PORT ETHERNET SWITCH AND 	UDE 730-16.14 730-16.25 730-20.01		· · · · ·	
 PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS. 16. CONTRACTOR SHALL REMOVE STOP SIGNS WHEN THE TRAFFIC SIGN, ACTIVATED IN THEIR INITIAL "FLASH" MODE PERIOD. SIGNS TO BE PROVID THE PROPERTY OWNER. 17. EMERGENCY PREEMPTION UNITS ARE TO BE 3M OPTICOM IR TO INCL ONE PHASE SELECTOR, 4 DETECTING DEVICES, AND ALL CABLE AND HARDWARE TO PROVIDE DETECTION ZONES SHOWN ON PLANS. 	ALS ARE (IDED UDE 730-16.14 730-16.25 730-20.01 TERMINAL.	EA	INSTALLATION OF CABINET AND CONTROLLER	3
 PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS. 16. CONTRACTOR SHALL REMOVE STOP SIGNS WHEN THE TRAFFIC SIGN, ACTIVATED IN THEIR INITIAL "FLASH" MODE PERIOD. SIGNS TO BE PROV TO THE PROPERTY OWNER. 17. EMERGENCY PREEMPTION UNITS ARE TO BE 3M OPTICOM IR TO INCL ONE PHASE SELECTOR, 4 DETECTING DEVICES, AND ALL CABLE AND HARDWARE TO PROVIDE DETECTION ZONES SHOWN ON PLANS. 18. CONTRACTOR WILL PROVIDE A 8-PORT ETHERNET SWITCH AND 	ALS ARE (IDED UDE TERMINAL. 730-16.14 730-16.25 730-20.01 730-23.01	EA EA EA EA	INSTALLATION OF CABINET AND CONTROLLER LOCAL COORDINATOR STEEL STRAIN POLE (SIGNAL SUPPORT)	3 3 12
 PRIOR TO SIGNAL ACTICATION TO FULL STOP AND-GO OPERATIONS. 16. CONTRACTOR SHALL REMOVE STOP SIGNS WHEN THE TRAFFIC SIGN, ACTIVATED IN THEIR INITIAL "FLASH" MODE PERIOD. SIGNS TO BE PROV TO THE PROPERTY OWNER. 17. EMERGENCY PREEMPTION UNITS ARE TO BE 3M OPTICOM IR TO INCL ONE PHASE SELECTOR, 4 DETECTING DEVICES, AND ALL CABLE AND HARDWARE TO PROVIDE DETECTION ZONES SHOWN ON PLANS. 18. CONTRACTOR WILL PROVIDE A 8-PORT ETHERNET SWITCH AND 	ALS ARE (IDED UDE 730-16.14 730-16.25 730-20.01 TERMINAL.	EA	INSTALLATION OF CABINET AND CONTROLLER	3

1/2023 8:10:07 AM pw_p11\holmeskc\dI

TENNESSEE D.O.T. DESIGN DIVISION

TOM 1502 STANDARDS.

CONTROLLER. THESE CHARGES AND ANY OTHER EQUIPMENT NECESSARY FOR A COMPLETE SERVICE

CONNECTION SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM.

4 TO BE INSTALLED BY OPEN CUTTING OR TRENCHING.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2024	NH-34(86)	SIG-4
S.R. 34		HAMBLEN	N CO.



