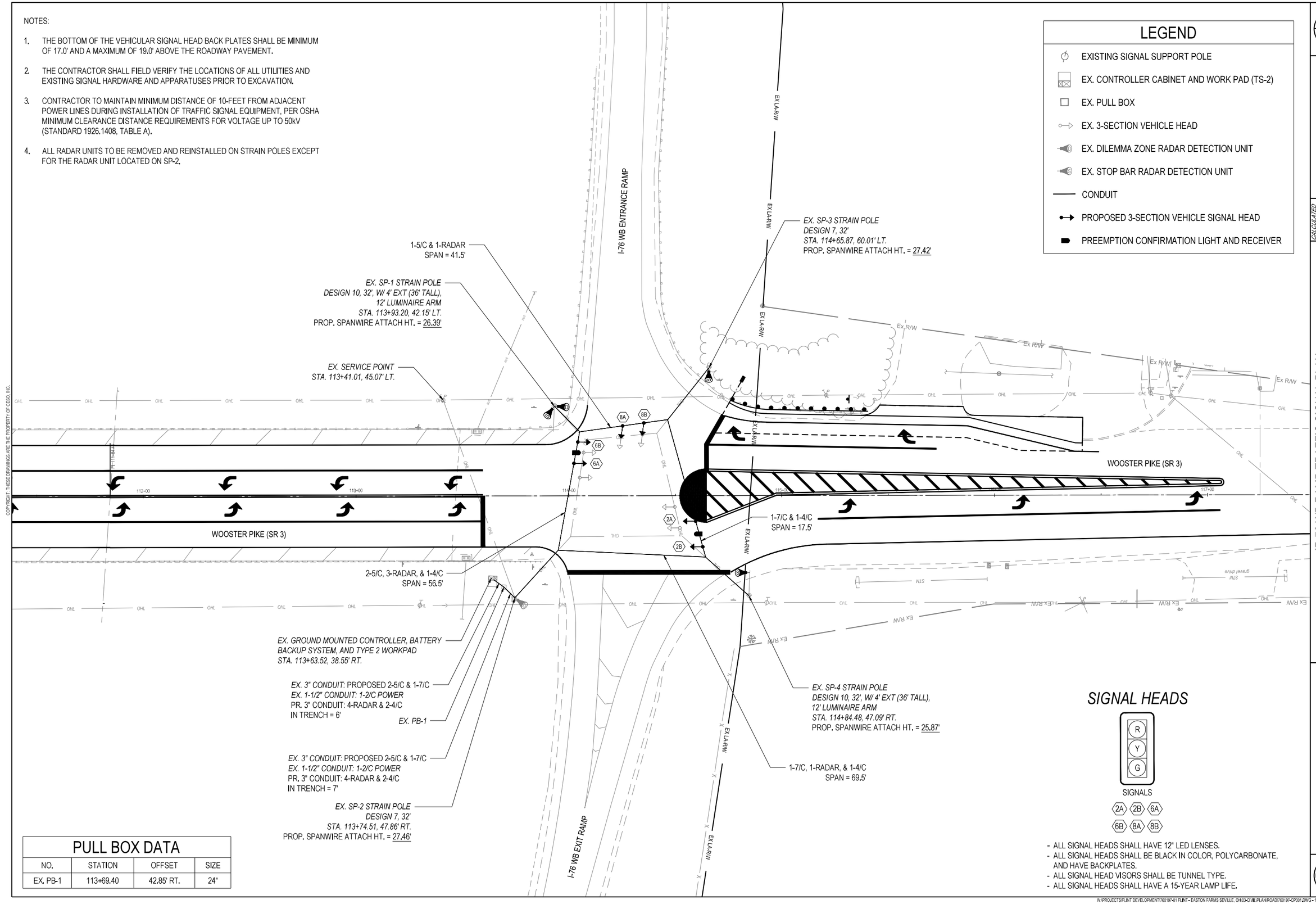
NOTES:

1. THE BOTTOM OF THE VEHICULAR SIGNAL HEAD BACK PLATES SHALL BE MINIMUM OF 17.0' AND A MAXIMUM OF 19.0' ABOVE THE ROADWAY PAVEMENT.
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL UTILITIES AND EXISTING SIGNAL HARDWARE AND APPARATUSES PRIOR TO EXCAVATION.
3. CONTRACTOR TO MAINTAIN MINIMUM DISTANCE OF 10-FEET FROM ADJACENT POWER LINES DURING INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT, PER OSHA MINIMUM CLEARANCE DISTANCE REQUIREMENTS FOR VOLTAGE UP TO 50kV (STANDARD 1926.1408, TABLE A).
4. ALL RADAR UNITS TO BE REMOVED AND REINSTALLED ON STRAIN POLES EXCEPT FOR THE RADAR UNIT LOCATED ON SP-2.

LEGEND

- EXISTING SIGNAL SUPPORT POLE
- EX. CONTROLLER CABINET AND WORK PAD (TS-2)
- EX. PULL BOX
- EX. 3-SECTION VEHICLE HEAD
- EX. DILEMMA ZONE RADAR DETECTION UNIT
- EX. STOP BAR RADAR DETECTION UNIT
- CONDUIT
- PROPOSED 3-SECTION VEHICLE SIGNAL HEAD
- PREEMPTION CONFIRMATION LIGHT AND RECEIVER



PULL BOX DATA

NO.	STATION	OFFSET	SIZE
EX. PB-1	113+69.40	42.85' RT.	24"

SIGNAL HEADS

SIGNALS

2A 2B 6A
6B 8A 8B

- ALL SIGNAL HEADS SHALL HAVE 12" LED LENSES.
- ALL SIGNAL HEADS SHALL BE BLACK IN COLOR, POLYCARBONATE, AND HAVE BACKPLATES.
- ALL SIGNAL HEAD VISORS SHALL BE TUNNEL TYPE.
- ALL SIGNAL HEADS SHALL HAVE A 15-YEAR LAMP LIFE.

GRAPHIC SCALE (IN FEET)
40 20 0 10 20

CALCULATED TMC
CHECKED REM

IR 76 WB RAMP TRAFFIC SIGNAL PLAN
WOOSTER PIKE (SR 3)

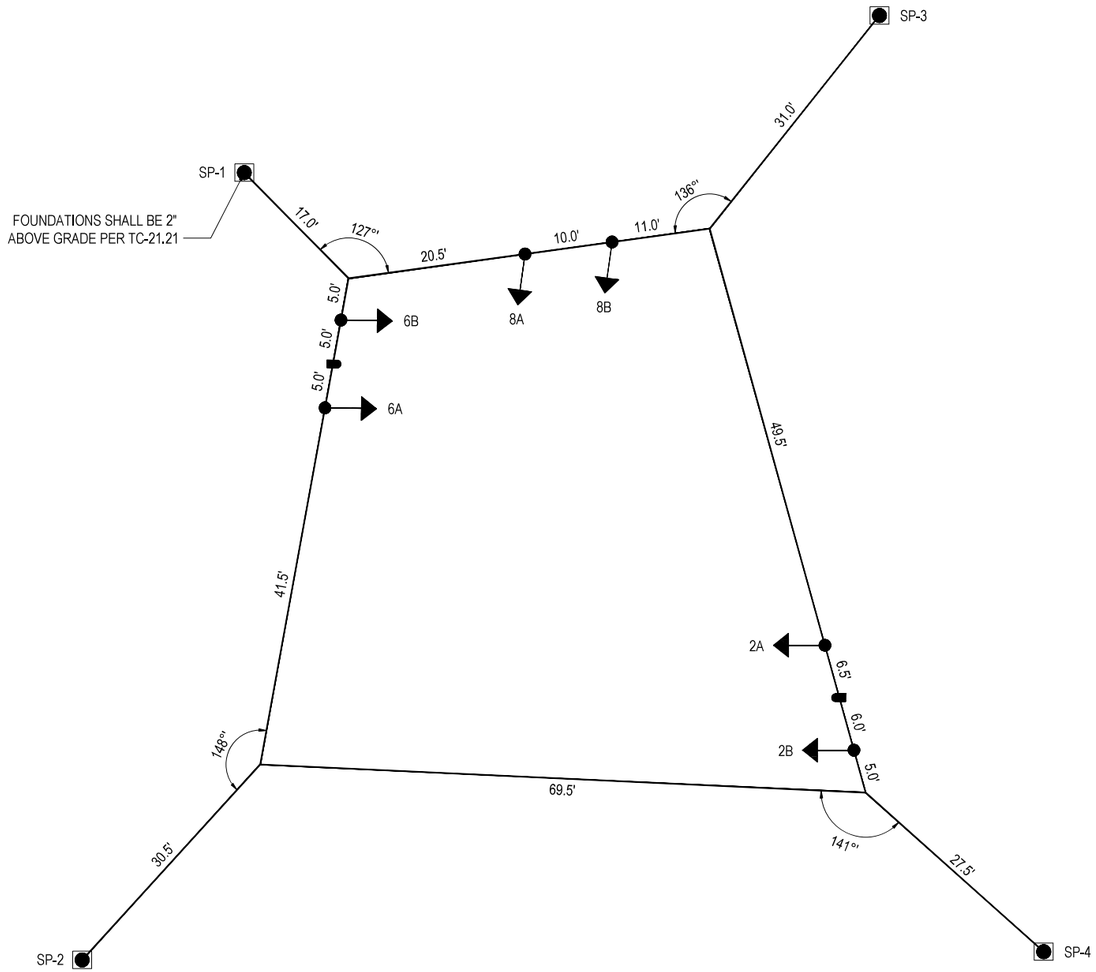
NEO COMMERCE CENTER
SEVILLE, OH

T8
T10

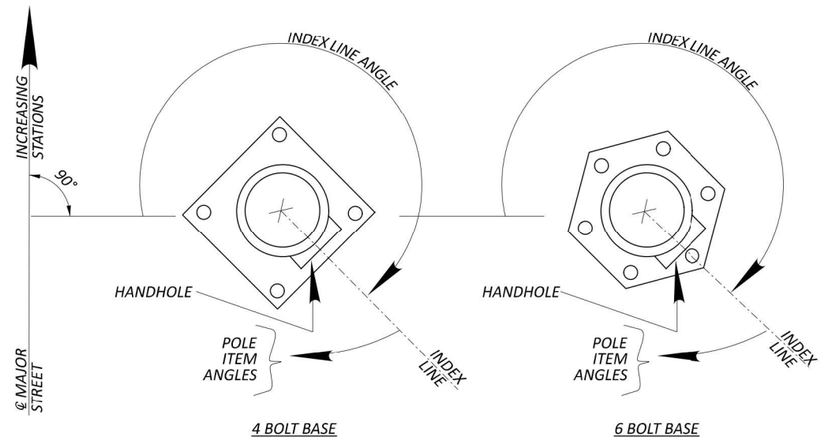
TEM Fig. 498-36: Plan Details for Strain Poles													
TYPE	REFERENCE SHEET NO.*	STATION & OFFSET*	POLE NO.	DESIGN NO.	POLE HEIGHT (FT.)	FOUNDATION ELEV.*	SPAN WIRE ATTACHED HEIGHT*	CABLE ENTRANCE DISTANCE FROM TOP (IN.)	INDEX LINE ANGLE (DEG.)	ANGLES (DEG.) FROM INDEX LINE			
										SIGNAL CABINET	POWER SERVICE	CABLE ENTRANCE	BRACKET ARM
EX.	T8	113+93.20, 42.15' LT.	SP-1	10	36	1109.92	26.39'	12	135	-	-	-	0
EX.	T8	113+74.51, 47.86' RT.	SP-2	7	32	1108.56	27.46'	12	225	85	115	115	-
EX.	T8	114+65.87, 60.01' LT.	SP-3	7	32	1109.82	27.42'	12	225	-	-	-	-
EX.	T8	114+84.48, 47.09' RT.	SP-4	10	36	1111.17	25.87'	12	135	-	-	-	0

NOTES:

- EX. = EXISTING SIGNAL



SPAN WIRE PLAN VIEW DETAIL



Note:

- Index line passes through the center of the handhole

POLE ORIENTATION

CALCULATED TMC
CHECKED REM

IR 76 WB RAMP TRAFFIC SIGNAL PLAN DETAILS
WOOSTER PIKE (SR 3)

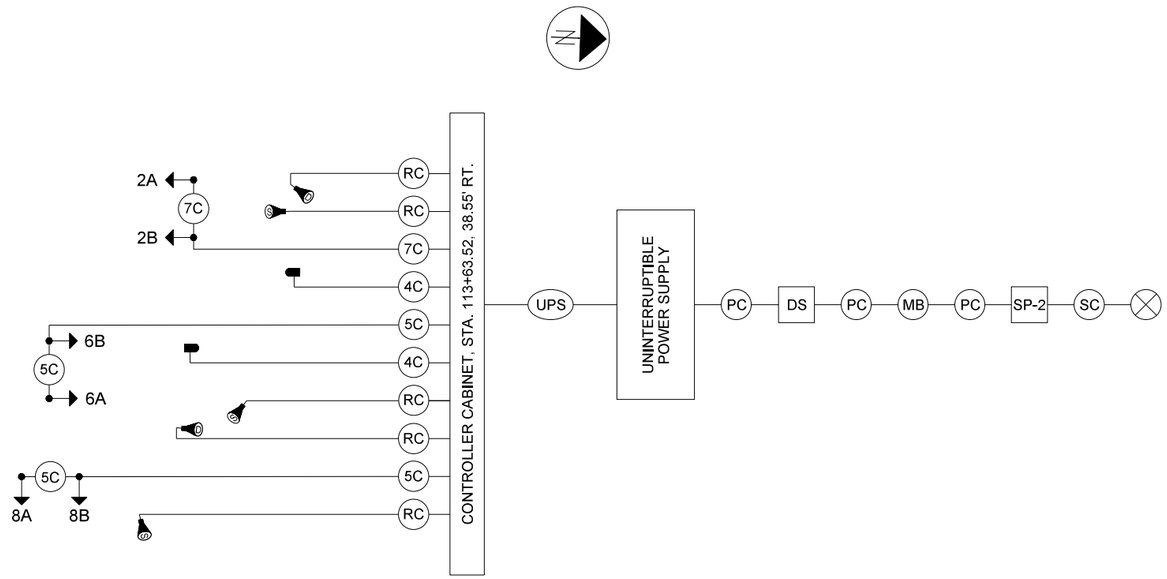
NEO COMMERCE CENTER
SEVILLE, OH

T9
T10

TRAFFIC SIGNAL QUANTITIES

ITEM NO.	DESCRIPTION	QTY.	UNIT
625	CONDUIT, 3", 725.051	13	L.F.
632	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE	6	EACH
632	COVERING OF VEHICULAR SIGNAL HEAD	6	EACH
632	TETHER WIRE W/ ACCESSORIES	343	L.F.
632	MESSENGER WIRE, 7-STRAND, 3/8" DIAMETER W/ ACCESSORIES	343	L.F.
632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	370	L.F.
632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	200	L.F.
809	EMERGENCY VEHICLE PREEMPTION, AS PER PLAN	1	EACH
809	PREEMPTION RECEIVING UNIT	2	EACH
809	PREEMPTION DETECTOR CABLE, 4 CONDUCTOR, NO. 14 AWG	318	L.F.
809	PREEMPTION PHASE SELECTOR	1	EACH
809	PREEMPTION CONFIRMATION LIGHT	2	EACH

WIRING DIAGRAM



FIELD WIRING HOOK-UP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
2A, 2B (NB)	R	Ø2 R	R
	Y	Ø2 Y	
	G	Ø2 G	
6A, 6B (SB)	R	Ø6 R	R
	Y	Ø6 Y	
	G	Ø6 G	
8A, 8B (WB)	R	Ø8 R	R
	Y	Ø8 Y	
	G	Ø8 G	

LEGEND

TRAFFIC SIGNAL, 3 UNIT HEAD, 12"	4C	SIGNAL CABLE, 4CONDUCTOR, NO. 14 AWG	SC	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG
DILEMMA ZONE RADAR DETECTION UNIT	5C	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	PC	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG
STOP LINE RADAR DETECTION UNIT	7C	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	MB	METER BASE
SP-1 SIGNAL SUPPORT POLE NO. __	RC	RADAR DETECTION CABLE	UPS	UNINTERRUPTIBLE POWER SUPPLY CABLE
DS SIGNAL DISCONNECT SWITCH		POWER SOURCE		

CALCULATED TMC
CHECKED REM

IR 76 WB RAMP TRAFFIC SIGNAL PLAN DETAILS
WOOSTER PIKE (SR 3)

NEO COMMERCE CENTER
SEVILLE, OH

T10
T10