

L:\ODOT\19068303-00\_VAR-D12-D03-SftyDsgn\01\_CUY-422-110427\_Roadway\Sheets\110427\_CG001.dgn 6/12/2020 3:09:10 PM ghanse

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	11	12	16	26								01/SAF/OT		EXT	TOTAL			
				25								25	630	03100	25	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
				8								8	630	08600	8	EACH	SIGN POST REFLECTOR	
	2											2	630	11003	2	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-16.21, DESIGN 10, AS PER PLAN (CUY-422)	5
	1											1	630	11103	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-16.21, DESIGN 11, AS PER PLAN (CUY-422)	5
	15		6									21	630	79101	21	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN (CUY-422)	5
	9											9	630	79500	9	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
	160		16	115								291	630	80100	291	SF	SIGN, FLAT SHEET	
	4											4	630	80511	4	EACH	SIGN, STREET NAME, AS PER PLAN (CUY-422)	5
				22								22	630	83000	22	SF	COVERING OF SIGN (US-322)	
	3											3	630	84510	3	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	
	1			2								3	630	85000	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	
				4								4	630	85100	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
	2			2								4	630	86002	4	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
			2									2	630	87100	2	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION	
			1									1	630	87101	1	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION, AS PER PLAN (CUY-422)	5
	6											6	630	87510	6	EACH	REMOVAL OF POLE MOUNTED SIGN AND STORAGE	
	1											1	630	88550	1	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND STORAGE, TYPE TC-17.10	
				2								2	631	92001	2	EACH	SIGN FLASHER ASSEMBLY, AS PER PLAN, (US-322)	6
				2								2	631	92001	2	EACH	SIGN FLASHER ASSEMBLY, AS PER PLAN, (SPERRY ROAD)	6
		1,403										1,403	644	30000	1,403	FT	REMOVAL OF PAVEMENT MARKING, AS PER PLAN (CUY-422)	7
		23										23	644	30020	23	EACH	REMOVAL OF PAVEMENT MARKING, AS PER PLAN (CUY-422)	7
		0.11										0.11	644	00104	0.11	MILE	EDGE LINE, 6", WHITE	
		0.19										0.19	644	00200	0.19	MILE	LANE LINE, 4", WHITE	
		0.24										0.24	644	00300	0.24	MILE	CENTER LINE, 4", SOLID DOUBLE YELLOW	
		1,628										1,628	644	00400	1,628	FT	CHANNELIZING LINE, 8"	
		104										104	644	00500	104	FT	STOP LINE, 24"	
		520										520	644	00600	520	FT	CROSSWALK LINE, 12"	
		70										70	644	00700	70	FT	TRANSVERSE/DIAGONAL LINE, 24", YELLOW	
		275										275	644	00720	275	FT	CHEVRON MARKING, 24", WHITE	
		37										37	644	01300	37	EACH	LANE ARROW, 96"	
		680										680	644	01500	680	FT	DOTTED LINE, 4", WHITE	
																	<b>TRAFFIC SIGNALS</b>	
				1								1	625	10490	1	EACH	LIGHT POLE, CONVENTIONAL, AT-C TRANSFORMER BASE	
				1								1	625	14101	1	EACH	LIGHT POLE FOUNDATION, 24" X 8' DEEP, AS PER PLAN (GEA-322)	5
				1								1	625	18510	1	EACH	BRACKET ARM, 30'	
				1,130								1,130	625	25400	1,130	FT	CONDUIT, 2", 725.04	
				90								90	625	25500	90	FT	CONDUIT, 3", 725.04	
				170								170	625	25902	170	FT	CONDUIT, JACKED OR DRILLED, 725.04, 4"	
				1,320								1,320	625	29000	1,320	FT	TRENCH	
				10								10	625	30701	10	EACH	PULL BOX, 725.08, 18", AS PER PLAN, (GEA-322)	5
				1								1	625	30706	1	EACH	PULL BOX, 725.08, 24"	
	3			5								8	625	32001	8	EACH	GROUND ROD, AS PER PLAN	5, 7
				1,320								1,320	625	36000	1,320	FT	PLASTIC CAUTION TAPE	
			6									6	632	05007	6	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN (CUY-422)	6
			4									4	632	20731	4	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN, AS PER PLAN (CUY-422)	6
			8									8	632	25000	8	EACH	COVERING OF VEHICULAR SIGNAL HEAD (CUY-422)	
			4									4	632	25010	4	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
				2								2	632	26500	2	EACH	DETECTOR LOOP	
				2								2	632	27104	2	EACH	LOOP DETECTOR UNIT, 2 CHANNEL, DELAY AND EXTENSION TYPE	
				2,020								2,020	632	40400	2,020	FT	SIGNAL CABLE, 4 CONDUCTOR, NO. 14 AWG	
		300										300	632	40500	300	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
		1,120										1,120	632	40700	1,120	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
				3								3	632	64021	3	EACH	PEDESTAL FOUNDATION, AS PER PLAN (GEA-322)	5

**GENERAL SUMMARY**

**CUY-422-2.42  
GEA-322-4.05**

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	625E32001	630E11003	630E11003	630E79101	630E79500	630E80100	630E80511	630E85000	630E86002	630E87510	630E88550	630E4510	
							GROUND ROD, AS PER PLAN	OVERHEAD SIGN SUPPORT, TYPE TC-16-21, DESIGN 10, AS PER PLAN	OVERHEAD SIGN SUPPORT, TYPE TC-16-21, DESIGN 11, AS PER PLAN	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	SIGN, FLAT SHEET	SIGN, STREET NAME, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF POLE MOUNTED SIGN AND STORAGE	REMOVAL OF OVERHEAD SIGN SUPPORT AND STORAGE, TYPE TC-17.10	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	
							EACH	EACH	EACH	EACH	EACH	SF	EACH	EACH	EACH	EACH	EACH	EACH	
18	1	Woodland Ave.	122+15	RT	M3-2-24	24 x 12					1	2							
18	2	Woodland Ave.	122+15	RT	M1-5-24-2	24 x 24					1	4							
18	3	Woodland Ave.	122+15	RT	M6-2-21	21 x 15					1	2.2							
18	4	Woodland Ave.	122+15	RT	M3-2-24	24 x 12					1	2							
18	5	Woodland Ave.	122+15	RT	M1-5-24-2	24 x 24					1	4							
18	6	Woodland Ave.	122+15	RT	M5-2-21	21 x 15					1	2.2							
18	7	Woodland Ave.	122+15	RT	M3-2-24	24 x 12					1	2							
18	8	Woodland Ave.	122+15	RT	M1-4-30-3	30 x 24					1	5							
18	9	Woodland Ave.	122+15	RT	M5-2-21	21 x 15					1	2.2							
18	10	Woodland Ave.	124+80	RT	M1-5-24-2	24 x 24										1			
18	11	Woodland Ave.	124+80	RT	M6-3-12	12 x 9										1			
18	12	Woodland Ave.	124+80	RT	M1-4-24-3	30 x 24										1			
18	13	Woodland Ave.	124+80	RT	M1-5-24	24 x 24										1			
18	14	Woodland Ave.	124+80	RT	M5-2-12	12 x 9										1			
18	15	Woodland Ave.	124+80	RT	SPECIAL														
18	16	Woodland Ave.	124+80	RT	SPECIAL												1		
18	17	Woodland Ave.	124+80	RT	SPECIAL														
18	18	Woodland Ave.	124+80	RT	SPECIAL														
18	19	Woodland Ave.	125+60	RT	DOES NOT APPLY		1		1										1
18	20	Woodland Ave.	125+60	RT	D3-1-36	36 x 12				1		3	1						
18	21	Woodland Ave.	125+60	RT	R3-6R (MOD)	36 x 42				1		10.5							
18	22	Woodland Ave.	125+60	RT	D3-1-36	36 x 12				1		3	1						
18	23	Woodland Ave.	125+60	RT	R3-5A (MOD)	36 x 42				1		10.5							
18	24	Woodland Ave.	125+60	RT	D3-1-36	36 x 12				1		3	1						
18	25	Woodland Ave.	125+60	RT	R3-6L (MOD)	36 x 42				1		10.5							
20	24	E 55th St.	85+00	RT	DOES NOT APPLY		1	1											1
20	25	E 55th St.	85+00	RT	SPECIAL	66 X 42				2		19.25							
20	26	E 55th St.	85+00	RT	R3-5A-36	36 x 42				1		10.5							
20	27	E 55th St.	85+00	RT	R3-6L-36	36 x 42				1		10.5							
21	28	E 55th St.	90+37	LT	R3-H8cg-48	48 x 30								1	2				
21	29	E 55th St.	92+82	LT	DOES NOT APPLY		1	1											1
21	30	E 55th St.	92+82	LT	R3-6R-36	36 x 42				1		10.5							
21	31	E 55th St.	92+82	LT	R3-5A-36	36 x 42				1		10.5							
21	32	E 55th St.	92+82	LT	SPECIAL	60 X 42				1		17.5							
21	33	E 55th St.	92+93	LT	R3-H8cg-38	48 x 30										1			
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>							3	2	1	15	9	158.35	4	1	2	6	1	3	

**SIGN SUB-SUMMARY**

CALCULATED  
CWG  
CHECKED  
SAK

**CUY - 422 - 2.42**

11  
26

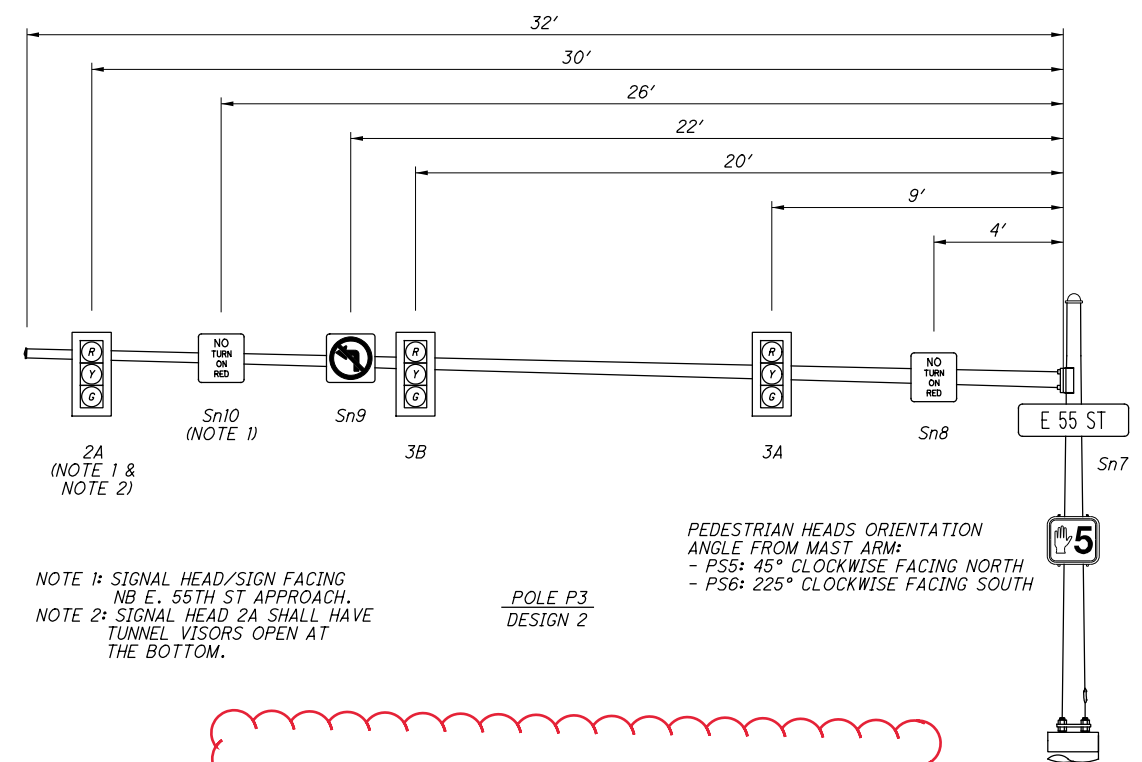
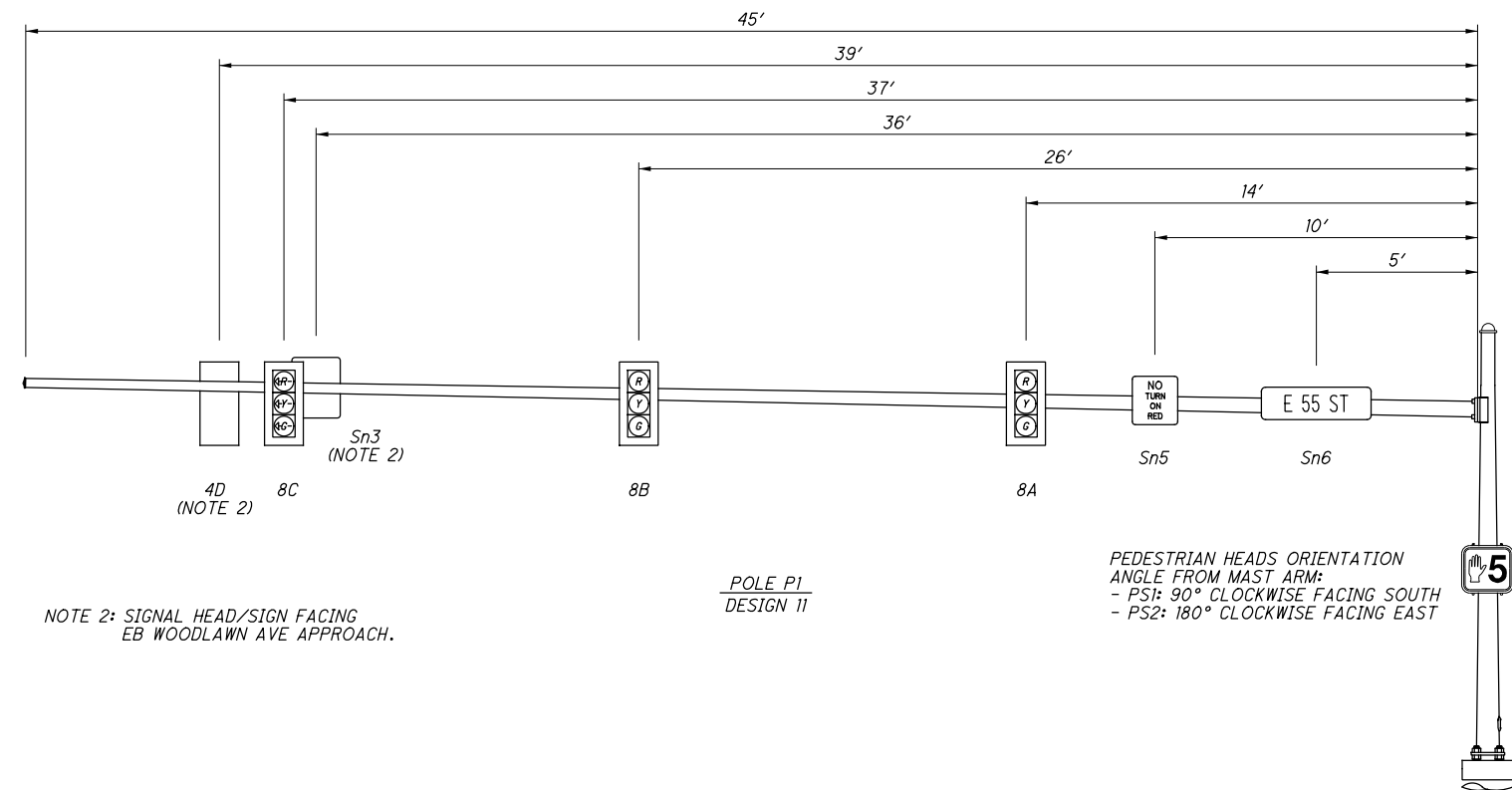
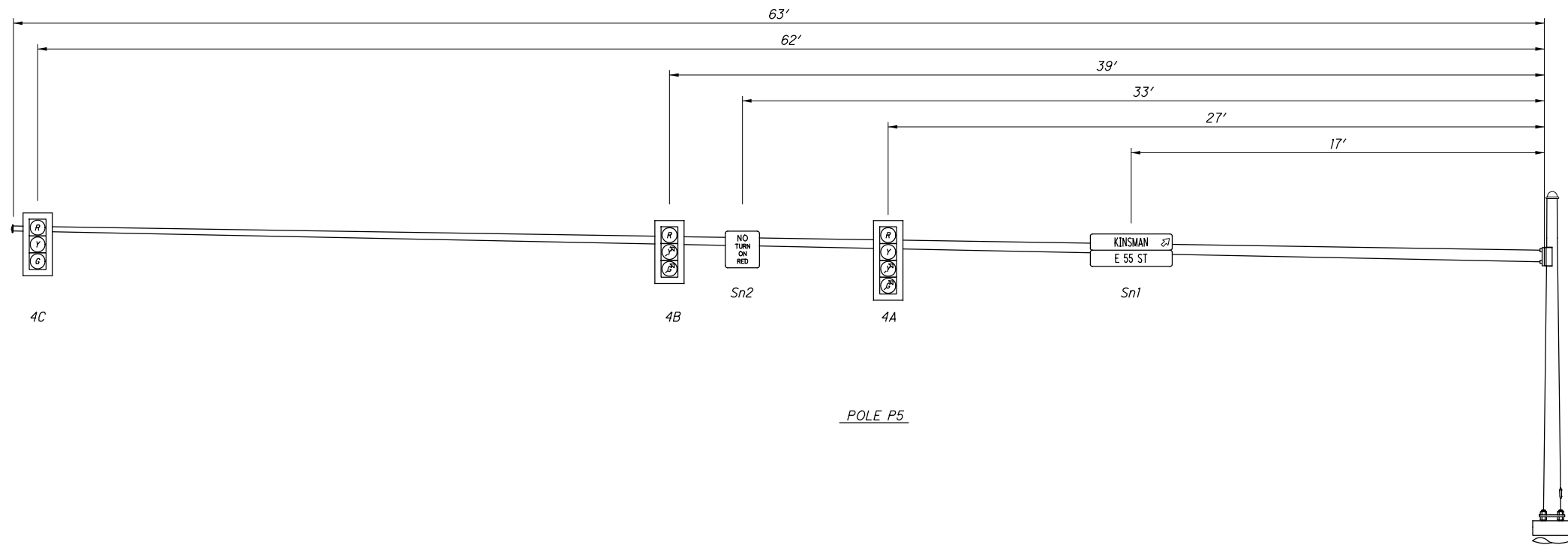
SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644E30000	644E30020	644E00104	644E00200	644E00300	644E00400	644E00500	644E00600	644E00720	644E00700	644E01300	644E01500													
			REMOVAL OF PAVEMENT MARKING, AS PER PLAN	REMOVAL OF PAVEMENT MARKING, AS PER PLAN		EDGE LINE, 6", WHITE	LANE LINE, 4", WHITE	CENTER LINE, 4", SOLID DOUBLE YELLOW	CHANNELIZING LINE, 8"	STOP LINE, 24"	CROSSWALK LINE, 12"	CHEVRON MARKING, 24", WHITE	TRANSVERSE LINE, 24", YELLOW	LANE ARROW, 96"	DOTTED LINE, 4", WHITE	FT	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT					
			FROM	TO		FT	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	FT													
18	1	Woodland Ave.	124+00	126+85	RT	758																								
18	2	Woodland Ave.	124+50	126+50	LT	200																								
18	3	Woodland Ave.	125+60	126+85	CL	125																								
18	4	Woodland Ave.	124+00	125+60	CL	160																								
18	5	Woodland Ave.	125+60	126+85	RT		12																							
18	6	Woodland Ave.		124+50	RT												3													
18	7	Woodland Ave.		125+80	RT												2													
18	8	Woodland Ave.		125+80	RT												2													
18	9	Woodland Ave.		126+30	RT												2													
18	10	Woodland Ave.		126+30	RT												2													
18	11	Woodland Ave.	124+00	126+82	RT						850																			
18	12	Woodland Ave.	124+50	126+47	LT						200																			
18	13	Woodland Ave.	122+42	123+00	RT				0.011																					
18	14	Woodland Ave.	122+42	124+50	RT				0.04																					
18	15	Woodland Ave.	126+60	126+63	RT							11																		
18	16	Woodland Ave.	126+71	126+74	RT							11																		
18	17	Woodland Ave.	126+76	126+82	RT							21																		
18	18	Woodland Ave.	126+63	126+73	RT									10																
18	19	Woodland Ave.	126+78	126+88	RT									14																
18	20	Woodland Ave.	126+96	127+08	RT									18																
18	21	Woodland Ave.	127+15	127+30	RT									25																
18	22	Woodland Ave.	124+00	126+60	CL					0.051																				
18	23	E 55th St.	WEST CROSSWALK LINE		LT								200																	
19	24	E 55th St.	NORTHEAST XWALK LINE		RT								155																	
19	25	Woodland Ave.	128+29	129+87	LT		3																							
19	26	Woodland Ave.		128+52	LT												1													
19	27	Woodland Ave.		128+52	LT												2													
19	28	Woodland Ave.		129+04	LT												1													
19	29	Woodland Ave.		129+04	LT												2													
19	30	Woodland Ave.		129+68	LT												1													
19	31	Woodland Ave.		129+68	LT												2													
19	32	Woodland Ave.	128+29	129+87	LT						313																			
19	33	Woodland Ave.	128+40	132+00	RT				0.069																					
19	34	Woodland Ave.	129+87	132+00	LT				0.042																					
19	35	Woodland Ave.		128+29	LT							25																		
19	36	Woodland Ave.		128+40	CL							12																		
19	37	Woodland Ave.	130+27	130+35	CL																									
19	38	Woodland Ave.	130+43	130+54	CL											10														
19	39	Woodland Ave.	130+63	130+72	CL											15														
19	40	Woodland Ave.	130+82	130+92	CL											15														
19	41	Woodland Ave.	131+02	131+10	CL											10														
19	42	Woodland Ave.	131+22	131+29	CL											10														
19	43	Woodland Ave.	128+40	132+00	RT					0.069																				
19	44	Woodland Ave.	130+03	130+43	CL					0.009																				
19	45	Woodland Ave.	130+43	132+00	LT					0.03																				
20	46	E 55th St.	85+18		RT												2													
20	47	E 55th St.	85+18		RT												1													
20	48	E 55th St.	87+06		RT												1													
20	49	E 55th St.	85+00	85+75	RT						75																			
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>						1243	15	0	0.162	0.159	1438	80	355	67	70	24	0													

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SHEET NO.	REFERENCE NO.	LOCATION	STATION		SIDE	644E30000	644E30020	644E00104	644E00200	644E00300	644E00400	644E00500	644E00600	644E00720	644E00700	644E01300	644E01500						
			REMOVAL OF PAVEMENT MARKING, AS PER PLAN	REMOVAL OF PAVEMENT MARKING, AS PER PLAN		EDGE LINE, 6", WHITE	LANE LINE, 4", WHITE	CENTER LINE, 4", SOLID DOUBLE YELLOW	CHANNELIZING LINE, 8"	STOP LINE, 24"	CROSSWALK LINE, 12"	CHEVRON MARKING, 24", WHITE	TRANSVERSE LINE, 24", YELLOW	LANE ARROW, 96"	DOTTED LINE, 4", WHITE								
			FT	EACH		MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	FT								
20	50	E 55th St.	82+55	84+30	RT			0.034															
20	51	E 55th St.	84+30	84+80	RT			0.01															
20	52	E 55th St.	82+91	82+96	RT										6								
20	53	E 55th St.	82+04	82+09	RT										7								
20	54	E 55th St.	82+16	82+23	RT										8								
20	55	E 55th St.	82+29	82+36	RT										9								
20	56	E 55th St.	82+41	82+50	RT										10								
20	57	E 55th St.	82+54	82+63	RT										12								
20	58	E 55th St.	82+66	82+77	RT										13								
20	59	E 55th St.	82+79	82+90	RT										14								
20	60	E 55th St.	82+92	84+03	RT										15								
20	61	E 55th St.	84+05	84+16	RT										15								
20	62	E 55th St.	84+17	84+30	RT										16								
20	63	E 55th St.	84+30	84+41	RT										14								
20	64	E 55th St.	84+43	84+51	RT										12								
20	65	E 55th St.	84+55	84+62	RT										8								
21	66	E 55th St.	88+06		RT																		
21	67	Woodland Ave. & E 55th St.	SEE PLAN FOR DETAILS													1					680		
21	68	E 55th St.	90+57		LT											1							
21	69	E 55th St.	91+31		LT											1							
21	70	E 55th St.	91+97		LT											1							
21	71	E 55th St.	92+62		LT											1							
22	72	Kinsman Rd.	0+93	2+50	LT																		
22	73	Kinsman Rd.	2+84	4+41	LT	160		8															
22	74	Kinsman Rd.	1+13		LT											1							
22	75	Kinsman Rd.	1+13		LT											1							
22	76	Kinsman Rd.	1+63		LT											1							
22	77	Kinsman Rd.	1+63		LT											1							
22	78	Kinsman Rd.	2+13		LT											1							
22	79	Kinsman Rd.	2+13		LT											1							
22	80	Kinsman Rd.	2+63		LT											1							
22	81	Kinsman Rd.	2+63		LT											1							
22	82	Kinsman Rd.	0+93	2+84	LT					190													
22	83	Kinsman Rd.	2+84	4+41	LT																		
22	84	Kinsman Rd.	0+93	2+84	RT			0.03															
22	85	Kinsman Rd.	2+84	4+10	LT																		
22	86	Kinsman Rd.	0+93	0+96	LT																		
22	87	Kinsman Rd.	3+35	3+41	LT																		
22	88	Kinsman Rd.	3+48	3+54	LT											4							
22	89	Kinsman Rd.	3+60	3+67	LT											4							
22	90	Kinsman Rd.	3+73	3+80	LT											5							
22	91	Kinsman Rd.	3+85	3+93	LT											6							
22	92	Kinsman Rd.	3+98	4+06	LT											7							
22	93	Kinsman Rd.	4+11	4+19	LT											7							
22	94	Kinsman Rd.	4+23	4+33	LT											8							
22	95	Kinsman Rd.	CROSSWALKS AT SOUTHEAST													8							
22	96	Kinsman Rd.	0+93	4+99	LT					0.08													
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>						160	8	0.111	0.025	0.08	190	24	165	208	0	13	680						

L:\ODOT\9068303-00\_VA-R-D12-D03-S-tyDsgn\01\_CUY-422-110-27\_Roadway\_Sheets\110-27-GS03.dgn 6/27/20 3:14:44 PM gons

<b>PAVEMENT MARKING SUB-SUMMARY</b>	CALCULATED CWG CHECKED SAK
<b>CUY - 422 - 2.42</b>	13 26



NOTE 2: SIGNAL HEAD/SIGN FACING EB WOODLAWN AVE APPROACH.

POLE P1  
DESIGN 11

PEDESTRIAN HEADS ORIENTATION ANGLE FROM MAST ARM:  
- PS1: 90° CLOCKWISE FACING SOUTH  
- PS2: 180° CLOCKWISE FACING EAST

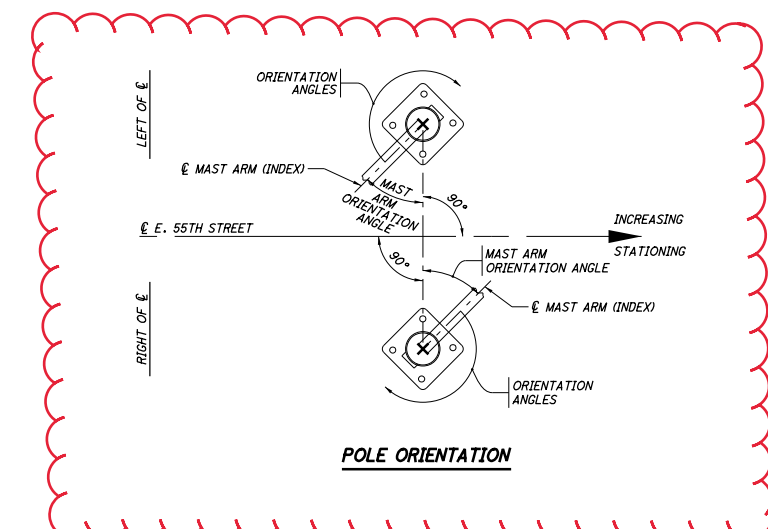
NOTE 1: SIGNAL HEAD/SIGN FACING NB E. 55TH ST APPROACH.  
NOTE 2: SIGNAL HEAD 2A SHALL HAVE TUNNEL VISORS OPEN AT THE BOTTOM.

POLE P3  
DESIGN 2

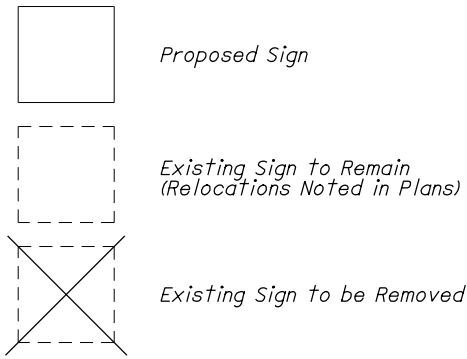
PEDESTRIAN HEADS ORIENTATION ANGLE FROM MAST ARM:  
- PS5: 45° CLOCKWISE FACING NORTH  
- PS6: 225° CLOCKWISE FACING SOUTH

MAST ARM TABLE (TEM FIGURE 498-37 & 38)

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											ORIENTATION ANGLES FROM MAST ARM			
			A (Pavt. Elev.)	B (Top of Found.)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	L5	L6	L7	MAST ARM ANGLE	PEDESTRIAN SIGNAL	HANDHOLE
P1	EX. SIGNAL SUPPORT FOUNDATION				TC-81.21	11	21.5	20	45	5	10	14	26	36	37	39	90	90/180	180
P3	EX. SIGNAL SUPPORT FOUNDATION				TC-81.21	2	21.5	20	32	4	9	20	22	26	30	-	315	45/225	180
P5	EX. SIGNAL SUPPORT																		



**SIGN LEGEND**



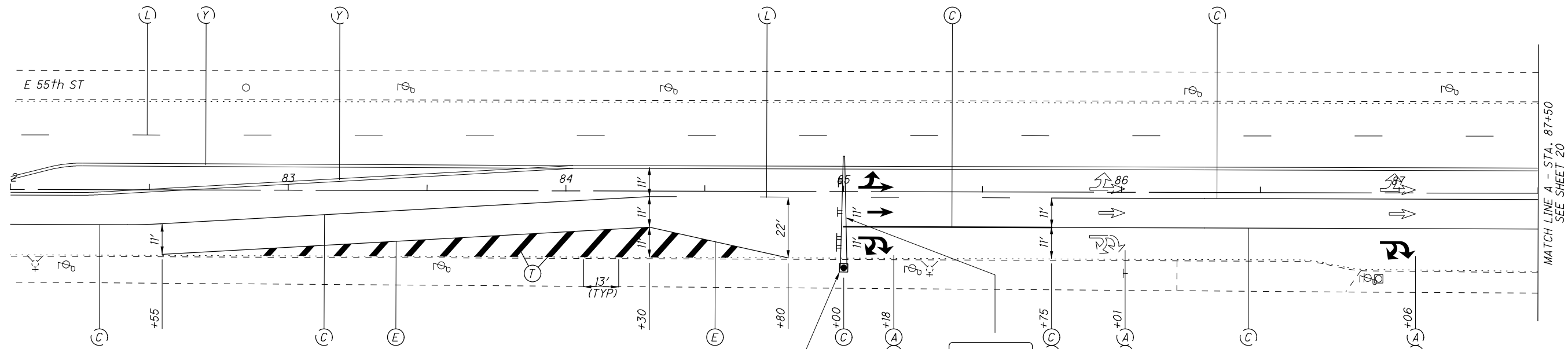
STREET NAME	SEE SHEET	STATION	OFFSET	ELEVATION		OVERHEAD SIGN SUPPORT TYPE TC-16.21										ORIENTATION ANGLES FROM MAST ARM				
				A (Pavt. Elev.)	B (Top of Found.)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT		L	L1	SIGN 1 AREA	L2	SIGN 2 AREA	L3	SIGN 3 AREA	L4	SIGN 4 AREA	MAST ARM ANGLE	HANDHOLE
								FT	FT											
WOODLAND AVE.	18	125+60	43 RT	EX. PAVEMENT ELEVATION	LEVEL WITH EX. SIDEWALK ELEVATION	TC-16.21	11	21	42	7	13.5	17	13.5	27	13.5	37	13.5	PERPENDICULAR TO ROADWAY	180	
E 55TH ST.	20	85+00	27 RT			TC-16.21	10	21	39	8	19.25	19	10.5	29	10.5	-	-		180	
E 55TH ST.	21	92+82	39 LT			TC-16.21	10	21	39	8	10.5	19	10.5	30	17.5	-	-		180	



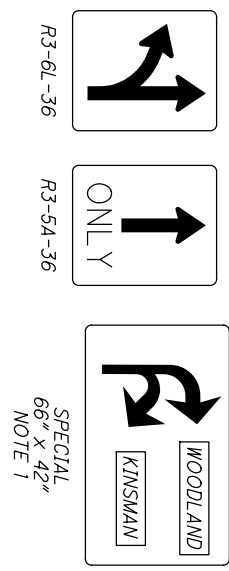
**TRAFFIC CONTROL PLAN - E 55th STREET**  
**STA. 82+00 TO STA. 87+50**

**CUY - 422 - 2.42**

20  
26



PROP. SIGN SUPPORT, DESIGN 10,  
 AS PER PLAN  
 STA. 85+00, 27' RT  
 PROP SIGN FOUNDATION  
 PROP. STREET NAME SIGN,  
 AS PER PLAN



NOTE 1: RIGHT TURN ARROWS TO USE A CURVE WITH A 135° ANGLE AND A 90° ANGLE.

FOR PAVEMENT MARKING LEGEND SEE SHEET 18.

L:\ODOT\19068303-00\_VAR-D12-D03-SftyDsgn\01\_CUY-422\110427\Roadway\Sheets\110427\_TPO03.dgn 6/12/2020 2:56:25 PM ghansel