LOCATION					SIGN PANEL						72000100	SIGN SUPPORT		72800100	73100100
ROUTE DIRECTION	STATION EXISTING	STATION PROPOSED	OFFSET	L/R	SIGN NO.	DESCRIPTION	SHAPE	WIDTH (IN.)	HEIGHT (IN.)	AREA (S.F.)	SIGN PANEL TYPE 1 (SQ FT)	SIGN HEIGHT (FT.)	NO. POSTS	TELESCOPING STEEL SIGN SUPPORT (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)
NB		145+76.54	43.5	LT	0	HOSPITAL INFORMATION SIGN		0	0	0.0	0.0	7.0	1	10.0	
SIGNAL		145+84.75	41.1	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		145+98.22	41.7	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
NB		146+11.80	64.5	LT	R8-3A	NO PARKING		18	24	3.0	3.0	8.0	1	15.0	1
SIGNAL		146+62.12	42.9	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		147+76.06	36.5	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
NB		151+80.66	36.1	LT	R2-1	SPEED LIMIT 35		30	36	7.5	7.5	8.5	1	13.0	
SIGNAL		152+46.10	44.5	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		152+53.07	37.4	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SB		153+16.50	67.3	RT	0	PACE BUS STOP		18	18	2.3	2.3	7.8	1	14.5	1
SIGNAL		153+26.32	49.1	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		153+41.48	34.5	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SB		154+50.46	27.0	RT	R2-1	SPEED LIMIT 35		30	36	7.5	7.5	8.5	1	13.0	
NB		155+83.05	37.1	LT	W?	HOSPITAL ENTRANCE		36	36	9.0	9.0	8.5	1	16.0	1
SIGNAL		159+01.44	48.6	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		159+10.24	43.9	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SB		159+77.76	67.5	RT	0	PACE BUS STOP		18	18	2.3	2.3	7.8	1	11.5	
SIGNAL		160+00.53	51.7	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		160+06.49	34.5	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SB		162+86.48	29.5	RT	W16-9P	AHEAD		24	12	2.0	2.0	7.5			
SAME POST		162+86.48	29.5	RT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	9.8	1	14.0	
NB		164+15.88	34.6	LT	R2-1	SPEED LIMIT 35		30	36	7.5	7.5	8.5	1	13.0	
SB		164+16.46	29.5	RT	S4-I100-2448	SCHOOL SPEED LIMIT 20		24	48	8.0	8.0	9.0	1	17.0	1
SB		165+72.16	29.7	RT	W16-7P	DIAGONAL ARROW		24	12	2.0	2.0	7.5			
SAME POST		165+72.16	29.7	RT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	9.8	1	14.0	
NB		165+94.75	51.1	LT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		165+94.75	51.1	LT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
SB		166+35.37	43.0	RT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		166+35.37	43.0	RT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
NB		166+55.66	34.8	LT	W16-7P	DIAGONAL ARROW		24	12	2.0	2.0	7.5			
SAME POST		166+55.66	34.8	LT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	9.8	1	17.0	1
NB		168+91.75	31.6	LT	S4-I100-2448	SCHOOL SPEED LIMIT 20		24	48	8.0	8.0	9.0	1	17.0	1
NB		168+98.00	43.0	RT	S5-2-24-30	END SCHOOL ZONE		24	30	5.0	1.0	9.0	1		
SAME POST		168+98.00	43.0	RT	R2-1-3036	END SCHOOL ZONE		30	36	7.5	7.5	9.0	1		
NB		170+50.38	31.6	LT	R7-4	NO PARKING		12	18	1.5	1.5	7.8			
SAME POST		170+50.38	31.6	LT	W16-9P	AHEAD		24	12	2.0	2.0	9.8			
SAME POST		170+50.38	31.6	LT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	12.0	1	19.3	1
NB		172+30.03	31.6	LT	S4-5	SCHOOL SPEED ZONE AHEAD		36	36	9.0	9.0	8.5	1	16.0	1
NB		172+57.62	47.6	LT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		172+57.62	47.6	LT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
SB		172+99.12	43.7	RT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		172+99.12	43.7	RT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
NB		179+13.60	47.7	LT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		179+13.60	47.7	LT	R1-1	STOP SIGN		36	36	7.9	7.9	10.8	1	18.3	1

$MODEL_NAME$

FILE NAME = P:\P-14\3824-00 IDOT Wood Street Ph II\DGN\CADD Sheets - 60Y72\D160Y72-sht-signschedule.dgn

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USER NAME = APatterson	DESIGNED - AGL	REVISED
	DRAWN - AGL	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - AJP	REVISED -
PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING SCHEDULE
WOOD STREET/ASHLAND AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	301
		CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			

LOCATION					SIGN PANEL						72000100	SIGN SUPPORT		72800100	73100100
ROUTE DIRECTION	STATION EXISTING	STATION PROPOSED	OFFSET	L/R	SIGN NO.	DESCRIPTION	SHAPE	WIDTH (IN.)	HEIGHT (IN.)	AREA (S.F.)	SIGN PANEL TYPE 1 (SQ FT)	SIGN HEIGHT (FT.)	NO. POSTS	TELESCOPING STEEL SIGN SUPPORT (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)
SB		179+60.21	43.8	RT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		179+60.21	43.8	RT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
NB		179+80.26	30.6	LT	O	PACE BUS STOP		18	18	2.3	2.3	7.8	1	11.5	
SB		180+76.02	32.6	RT	O	PACE BUS STOP		18	18	2.3	2.3	7.8	1	11.5	
SB		183+37.77	34.9	RT	R7-8	RESERVED ADA PARKING		18	24	3.0	3.0	8.0	1	12.0	
SIGNAL		185+52.99	38.9	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		185+55.97	54.5	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
NB		185+76.50	52.0	LT	R7-8	RESERVED ADA PARKING		18	24	3.0	3.0	8.0	1	15.0	1
NB		185+76.57	69.3	LT	R7-8	RESERVED ADA PARKING		18	24	3.0	3.0	8.0	1	15.0	1
NB		185+78.41	93.3	LT	R7-203	SNOW ROUTE		18	24	3.0	3.0	8.0	1	15.0	1
NB		186+24.00	93.6	LT	R7-203	SNOW ROUTE		18	24	3.0	3.0	8.0	1	15.0	1
SIGNAL		186+47.15	48.7	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SIGNAL		186+47.88	45.5	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
NB		186+76.89	29.2	LT	O	PACE BUS STOP		18	18	2.3	2.3	7.8	1	11.5	
NB		225+57.57	49.6	LT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		225+57.57	49.6	LT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
SB		226+02.50	44.5	RT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		226+02.50	44.5	RT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	14.8	
NB		226+17.57	35.6	LT	D3-1	INTERSECTION SIGNAGE		30	6	1.3	1.3	7.3			
SAME POST		226+17.57	35.6	LT	D3-2	INTERSECTION SIGNAGE		30	6	1.3	1.3	8.0	1	14.3	1
SB		226+18.96	29.1	RT	R2-1	SPEED LIMIT 35		30	36	7.5	7.5	8.5	1	13.0	
SB		227+22.30	30.3	RT	S4-5A	SCHOOL SPEED ZONE AHEAD		36	36	9.0	9.0	8.5	1	13.0	
NB		228+40.92	31.8	LT	R2-1	SPEED LIMIT 35		30	36	7.5	7.5	8.5	1	16.0	1
SB		228+58.21	32.6	RT	W16-9P	AHEAD		24	12	2.0	2.0	7.5			
SAME POST		228+58.21	32.6	RT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	9.8	1	17.0	1
SB		230+37.00	38.0	LT	s5-2-24-30	END SCHOOL ZONE		24	30	5.0	5.0	9.0	1		
SAME POST		230+37.01	39.0	LT	R2-1-3036	END SCHOOL ZONE		30	36	7.5	7.5	9.0	1		
SB		230+62.29	36.6	RT	.	SCHOOL SPEED LIMIT 20		24	48	8.0	8.0	9.0	1	17.0	1
SB		231+27.25	35.5	RT	W4-2	LANE ENDS WARNING		36	36	9.0	9.0	8.5	1	13.0	
SB		231+84.26	35.6	RT	W16-7P	DIAGONAL ARROW		24	12	2.0	2.0	7.5			
SAME POST		231+84.26	35.6	RT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	9.8	1	14.0	
NB		232+12.46	43.9	LT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		232+12.46	43.9	LT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
SB		232+57.82	45.7	RT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		232+57.82	45.7	RT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
NB		233+00.95	28.6	LT	R8-3A	NO PARKING		24	30	5.0	5.0	8.3			
SAME POST		233+00.95	28.6	LT	W16-7P	DIAGONAL ARROW		24	12	2.0	2.0	11.3			
SAME POST		233+00.95	28.6	LT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	13.5	1	20.8	1
SB		234+00.23	35.6	RT	W4-2	LANE ENDS WARNING		36	36	9.0	9.0	8.5	1	16.0	1
NB		234+91.06	28.7	LT	S4-1100-2448	SCHOOL SPEED LIMIT 20		24	48	8.0	8.0	9.0	1	17.0	1
SB		235+43.75	35.6	RT	R2-1	SPEED LIMIT 35		30	36	7.5	7.5	8.5	1	16.0	1
NB		237+49.71	24.1	LT	W16-9P	DIAGONAL ARROW		24	12	2.0	2.0	7.5			
SAME POST		237+49.71	24.1	LT	S1-1	SCHOOL CROSSING		30	30	6.8	6.8	9.8	1	17.0	1
SB		237+73.02	30.6	RT	R8-3A	NO PARKING		12	18	1.5	1.5	7.8			
SAME POST		237+73.02	30.6	RT	S4-5A	SCHOOL SPEED ZONE AHEAD		36	36	9.0	9.0	10.8	1	18.3	1
NB		238+72.86	36.7	LT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			

$MODEL_NAME$

FILE NAME = P:\P-14\3824-00 IDOT Wood Street Ph II\DGN\CADD Sheets - 60Y72\D160Y72-sht-signschedule.dgn

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USER NAME = APatterson	DESIGNED - AGL	REVISED
	DRAWN - AGL	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - AJP	REVISED -
PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING SCHEDULE
WOOD STREET/ASHLAND AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	302
		CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			

LOCATION					SIGN PANEL						72000100	SIGN SUPPORT		72800100	73100100
ROUTE DIRECTION	STATION EXISTING	STATION PROPOSED	OFFSET	L/R	SIGN NO.	DESCRIPTION	SHAPE	WIDTH (IN.)	HEIGHT (IN.)	AREA (S.F.)	SIGN PANEL TYPE 1 (SQ FT)	SIGN HEIGHT (FT.)	NO. POSTS	TELESCOPING STEEL SIGN SUPPORT (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)
SIGNAL		261+39.42	40.0	LT	D3-1	INTERSECTION SIGNAGE		18	60	7.5	7.5	0.0	1	0.0	
SIGNAL		261+40.82	46.9	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SB		263+00.65	27.5	RT	W12-2	BRIDGE HEIGHT WARNING		36	36	9.0	9.0	8.5	1	13.0	
NB		263+23.33	76.6	LT	W12-2	BRIDGE HEIGHT WARNING		36	36	9.0	9.0	8.5	1	16.0	1
SIGNAL		263+00.38	32.5	RT	D3-1	INTERSECTION SIGNAGE		18	60	7.5	7.5	0.0	1	0.0	
SIGNAL		263+24.42	59.0	LT	D3-1	INTERSECTION SIGNAGE		18	72	9.0	9.0	0.0	1	0.0	
SB		263+45.61	27.2	RT	R2-1	SPEED LIMIT 40		30	36	7.5	7.5	8.5	1	13.0	
SB		263+90.36	27.3	RT	W6-2	MEDIAN AHEAD		36	36	9.0	9.0	8.5	1	13.0	
NB		263+90.86	23.2	LT	M6-1	DIRECTIONAL ARROW		21	15	2.2	2.2	7.6			
SAME POST		263+90.86	23.2	LT	W12-2	BRIDGE HEIGHT WARNING		36	36	9.0	9.0	10.4	1	14.9	
NB		263+94.44	227.3	LT	W12-2	BRIDGE HEIGHT WARNING		36	36	9.0	9.0	8.5	1	16.0	1
NB		264+42.20	316.5	LT	W5-1	ROAD NARROWS		36	36	9.0	9.0	8.5	1	16.0	1
SB		267+10.80	35.9	RT	W8-6	TRUCK CROSSING		36	36	9.0	9.0	8.5	1	16.0	1
NB		270+03.77	25.7	LT	W16-8P	ADVANCE STREET NAME		30	9	1.9	1.9	7.4			
SAME POST		270+03.77	25.7	LT	W3-3	SIGNAL AHEAD		36	36	9.0	9.0	9.6	1	17.1	1
NB		271+80.14	25.7	LT	W8-6	TRUCK CROSSING		36	36	9.0	9.0	8.5	1	16.0	1
NB		274+71.46	26.7	LT	R2-1	SPEED LIMIT 40		30	36	7.5	7.5	8.5	1	13.0	
SB		274+78.90	25.6	RT	R2-1	SPEED LIMIT 40		30	36	7.5	7.5	8.5	1	13.0	
SB		279+06.59	47.5	RT	W4-4P	CROSS TRAFFIC DOES NOT STOP		36	18	4.5	4.5	7.8			
SAME POST		279+06.59	47.5	RT	R1-1	STOP SIGN		30	30	7.9	7.9	10.5	1	17.8	1
NB		279+42.26	35.0	LT	W12-2	BRIDGE HEIGHT WARNING		36	36	9.0	9.0	8.5	1	16.0	1
NB		280+71.10	37.8	LT	W6-2	MEDIAN AHEAD		36	36	9.0	9.0	8.5	1	16.0	1
NB		281+46.37	38.2	LT	W4-2	LANE ENDS WARNING		36	36	9.0	9.0	8.5	1	16.0	1
NB		283+84.18	38.1	LT	R2-1	SPEED LIMIT 40		36	36	9.0	9.0	8.5	1	16.0	1
SIGNAL		285+05.75	49.5	LT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
NB		285+59.32	38.1	LT	W1-7	TWO DIRECTION LARGE ARROW		48	24	8.0	8.0	8.0	1	15.0	1
SIGNAL		285+96.81	49.3	LT	D3-1	INTERSECTION SIGNAGE		18	72	9.0	9.0	0.0	1	0.0	
SIGNAL		286+22.75	46.0	RT	D3-1	INTERSECTION SIGNAGE		18	48	6.0	6.0	0.0	1	0.0	
SB		288+54.34	36.5	RT	W8-6	TRUCK CROSSING		36	36	9.0	9.0	8.5	1	16.0	1
					TOTAL										

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PLOT SCALE = 2.0000 ' / in.	CHECKED - AJP	REVISED -
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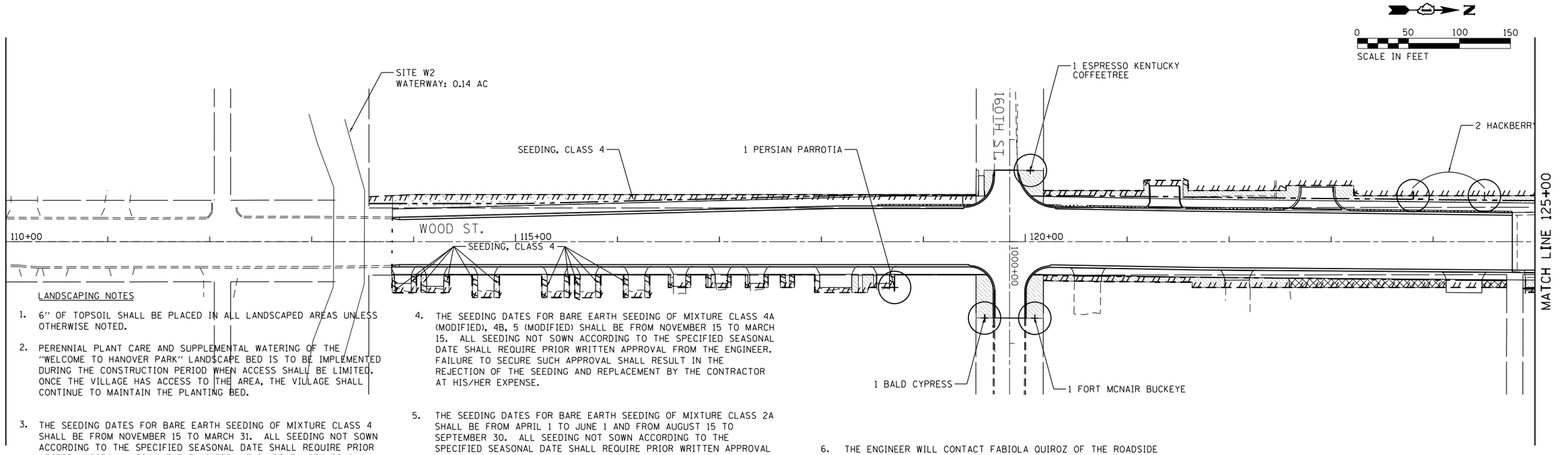
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING SCHEDULE
WOOD STREET/ASHLAND AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	303
		CONTRACT NO. 60Y72		
	ILLINOIS	FED. AID PROJECT		



LANDSCAPING NOTES

1. 6" OF TOPSOIL SHALL BE PLACED IN ALL LANDSCAPED AREAS UNLESS OTHERWISE NOTED.
2. PERENNIAL PLANT CARE AND SUPPLEMENTAL WATERING OF THE "WELCOME TO HANOVER PARK" LANDSCAPE BED IS TO BE IMPLEMENTED DURING THE CONSTRUCTION PERIOD WHEN ACCESS SHALL BE LIMITED. ONCE THE VILLAGE HAS ACCESS TO THE AREA, THE VILLAGE SHALL CONTINUE TO MAINTAIN THE PLANTING BED.
3. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 SHALL BE FROM NOVEMBER 15 TO MARCH 31. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
4. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4A (MODIFIED), 4B, 5 (MODIFIED) SHALL BE FROM NOVEMBER 15 TO MARCH 15. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
5. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 1 AND FROM AUGUST 15 TO SEPTEMBER 30. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THIS/HER EXPENSE.
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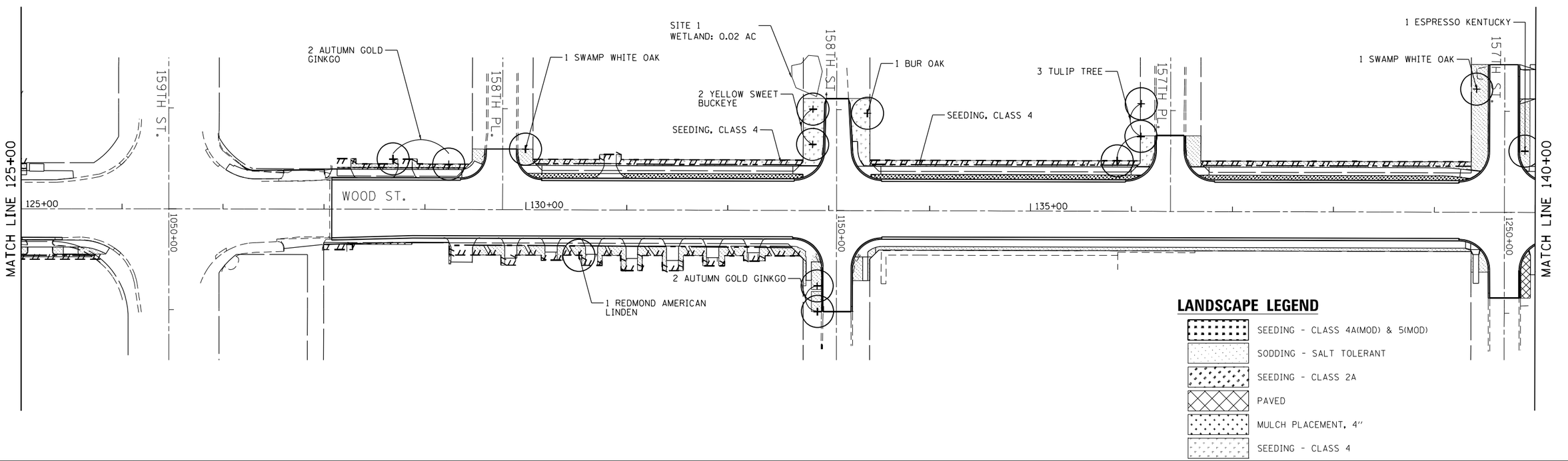

LANDSCAPE LEGEND

- SEEDING - CLASS 4A(MOD) & 5(MOD)
- SODDING - SALT TOLERANT
- SEEDING - CLASS 2A
- PAVED
- MULCH PLACEMENT, 4"
- SEEDING - CLASS 4

FILE NAME = P:\P-14\3824-00 IDOT Wood Street Ph II\DGN\CADD Sheets - 60Y72\D160Y72-sht-lndscp01.dgn

INFRASTRUCTURE ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
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USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AJP	REVISED -
PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
WOOD STREET/ASHLAND AVENUE

SCALE: 1"=50' | SHEET 1 OF 6 SHEETS | STA. 110+00 TO STA. 140+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	304
		CONTRACT NO. 60Y72		
	ILLINOIS	FED. AID PROJECT		

LANDSCAPING NOTES

1. 6" OF TOPSOIL SHALL BE PLACED IN ALL LANDSCAPED AREAS UNLESS OTHERWISE NOTED.
2. PERENNIAL PLANT CARE AND SUPPLEMENTAL WATERING OF THE "WELCOME TO HANOVER PARK" LANDSCAPE BED IS TO BE IMPLEMENTED DURING THE CONSTRUCTION PERIOD WHEN ACCESS SHALL BE LIMITED. ONCE THE VILLAGE HAS ACCESS TO THE AREA, THE VILLAGE SHALL CONTINUE TO MAINTAIN THE PLANTING BED.
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N

0 50 100 150
SCALE IN FEET

MATCH LINE 140+00

140+00 | 145+00 | 150+00

WOOD ST.

156TH ST.

155TH ST.

1300+00

1350+00

MATCH LINE 155+00

40 MINNET WEIGELA (3' O.C./STAGGERED)
1 AUTUMN BRILLIANCE SERVICEBERRY
28 BIRCHLEAF SPIREA (3' O.C./STAGGERED)
10 STREETSPIRE OAK (25' O.C.)
25 LITTLE DEVIL COMMON NINEBARK (3' O.C./STAGGERED)
1 STREETSPIRE OAK
18 SPILLED WINE WEIGELA
1 AUTUMN BRILLIANCE SERVICEBERRY
32 DWARF FOTHERGILLA (3' O.C.)
6 LITTLE DEVIL COMMON NINEBARK (3' O.C.)
3 PERSIAN PARROTIA
1 ESPRESSO KENTUCKY COFFEETREE
60 - BIRCHLEAF SPIREA (MULCH BED/30" O.C.)
2 IVORY SILK JAPANESE TREE LILAC
LANDSCAPE DETAIL
3 PERSIAN PARROTIA (40' O.C.)
1 AUTUMN BRILLIANCE SERVICEBERRY

MATCH LINE 155+00

155+00 | 160+00 | 165+00

WOOD ST.

154TH ST.

153RD ST.

1400+00

1450+00

MATCH LINE 170+00

1 THORNLESS COCKSPUR HAWTHORN
1 IVORY SILK JAPANESE TREE LILAC
1 CHINKAPIN OAK
1 IVORY SILK JAPANESE TREE LILAC
2 AUTUMN GOLD GINKGO
3 HACKBERRY
1 PRINCETON AMERICAN ELM
2 IVORY SILK JAPANESE TREE LILAC
1 AMERICAN HOPHORNBEAN
1 CHINKAPIN OAK
1 BLACK TUPELO
1 AUTUMN GOLD GINKGO
1 REDMOND AMERICAN LINDEN

LANDSCAPING NOTES

LANDSCAPE LEGEND

- SEEDING - CLASS 4A(MOD) & 5(MOD)
- SODDING - SALT TOLERANT
- SEEDING - CLASS 2A
- PAVED
- MULCH PLACEMENT, 4"
- SEEDING - CLASS 4

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PLOT SCALE = 100.0000 ' / in.	CHECKED - AJP	REVISED -
PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
WOOD STREET/ASHLAND AVENUE

SCALE: 1"=50' | SHEET 2 OF 6 SHEETS | STA. 140+00 TO STA. 170+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	305
		CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			

FILE NAME = P:\P-14\3824-00 IDOT Wood Street Ph II\DGN\CADD\Sheets - 60Y72\D160Y72-sht-lndscp02.dgn

LANDSCAPING NOTES

1. 6'' OF TOPSOIL SHALL BE PLACED IN ALL LANDSCAPED AREAS UNLESS OTHERWISE NOTED.

2. PERENNIAL PLANT CARE AND SUPPLEMENTAL WATERING OF THE ''WELCOME TO HANOVER PARK'' LANDSCAPE BED IS TO BE IMPLEMENTED DURING THE CONSTRUCTION PERIOD WHEN ACCESS SHALL BE LIMITED. ONCE THE VILLAGE HAS ACCESS TO THE AREA, THE VILLAGE SHALL CONTINUE TO MAINTAIN THE PLANTING BED.

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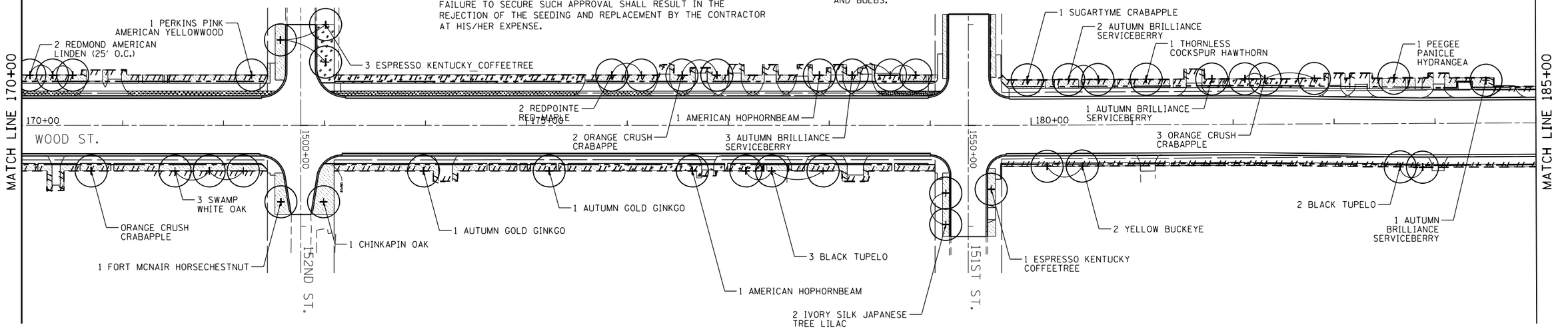
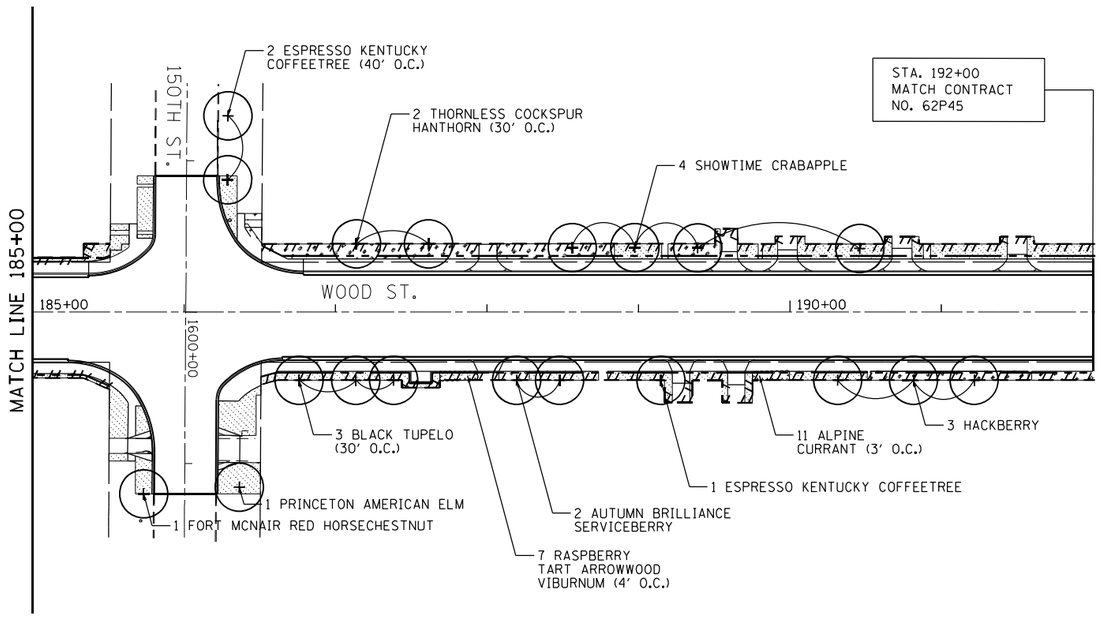
N

0 50 100 150

SCALE IN FEET





LANDSCAPE LEGEND

- SEEDING - CLASS 4A(MOD) & 5(MOD)
- SODDING - SALT TOLERANT
- SEEDING - CLASS 2A
- PAVED
- MULCH PLACEMENT, 4''
- SEEDING - CLASS 4

FILE NAME = P:\P-14\3824-00 IDOT Wood Street Ph II\DGN\CADD Outputs - 60Y72\D160Y72-sht-lndscp03.dgn

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1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.453.5900 | F 312.453.5949 | www.infrastructureeng.com

USER NAME = APatterson	DESIGNED - AGL	REVISED -
	DRAWN - AGL	REVISED -
PLOT SCALE = 100.0000 '/ in.	CHECKED - AJP	REVISED -
PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

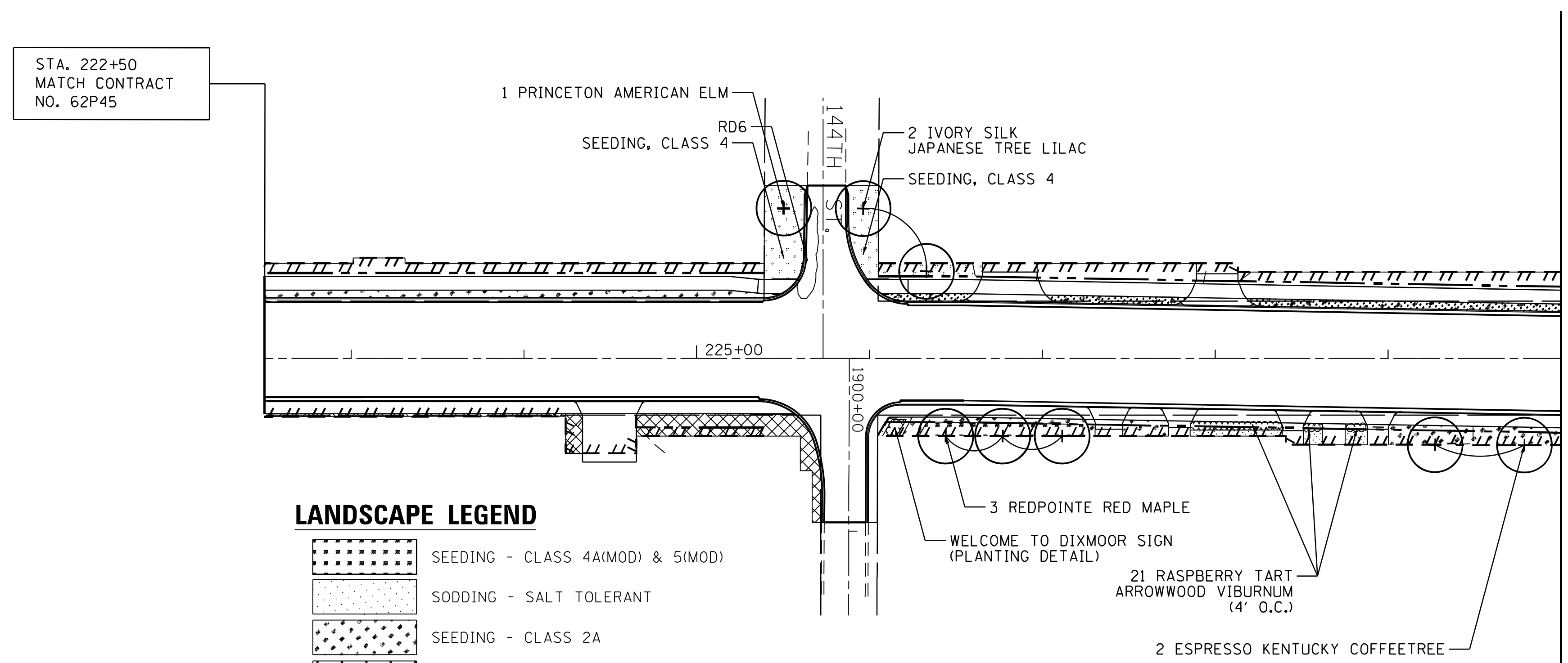
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
WOOD STREET/ASHLAND AVENUE

SCALE: 1''=50' | SHEET 3 OF 6 SHEETS | STA.170+00 TO STA.200+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	306
		CONTRACT NO. 60Y72		
	ILLINOIS	FED. AID PROJECT		

FILE NAME = P:\P-14\3024-00 IDOT Wood Street Ph II\DGN\CADD Default - 60Y72\D160Y72-sht-lndscp04.dgn



LANDSCAPE LEGEND

- ▦ SEEDING - CLASS 4A(MOD) & 5(MOD)
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- ▨ SEEDING - CLASS 2A
- ⊠ PAVED
- ∴ MULCH PLACEMENT, 4''
- ⁘ SEEDING - CLASS 4

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1 South Wacker | Suite 2650 | Chicago, IL 60606
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PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

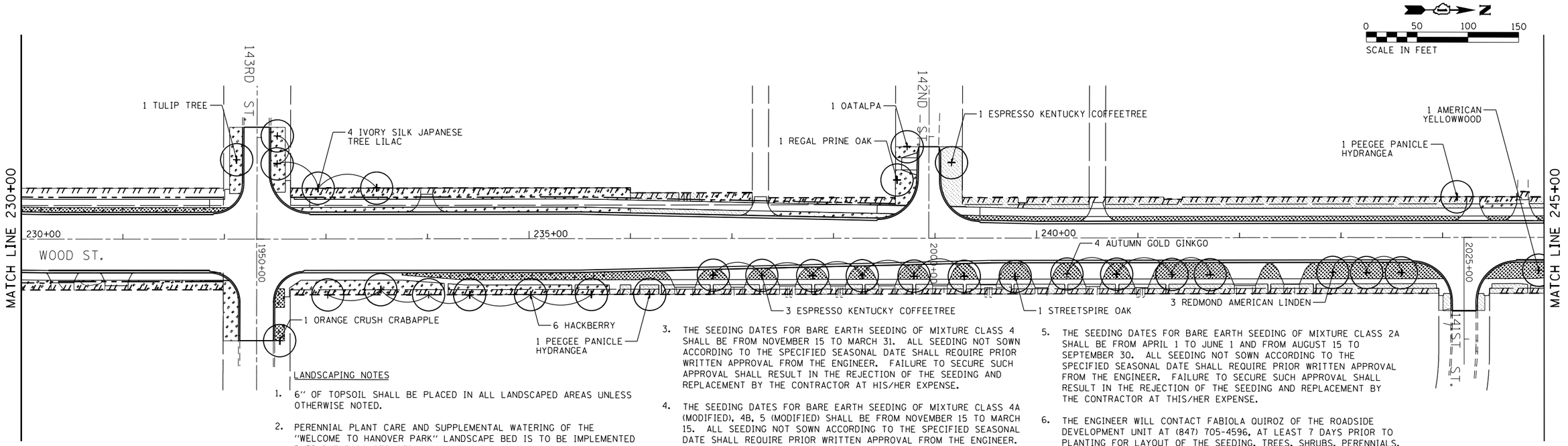
LANDSCAPE PLAN
WOOD STREET/ASHLAND AVENUE

SCALE: 1''=50' | SHEET 4 OF 6 SHEETS | STA. 200+00 TO STA. 230+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	307

CONTRACT NO. 60Y72

ILLINOIS | FED. AID PROJECT



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LANDSCAPE LEGEND

- SEEDING - CLASS 4A(MOD) & 5(MOD)
- SODDING - SALT TOLERANT
- SEEDING - CLASS 2A
- PAVED
- MULCH PLACEMENT, 4''
- SEEDING - CLASS 4

FILE NAME = P:\P-14\3824-00 IDOT Wood Street Ph II\DGN\CADD Default - 60Y72\D1600Y72-ahl-lndscp05.dgn

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1 South Wacker | Suite 2650 | Chicago, IL 60606
T 312.435.2560 | F 312.435.2564 | www.infrastructureeng.com

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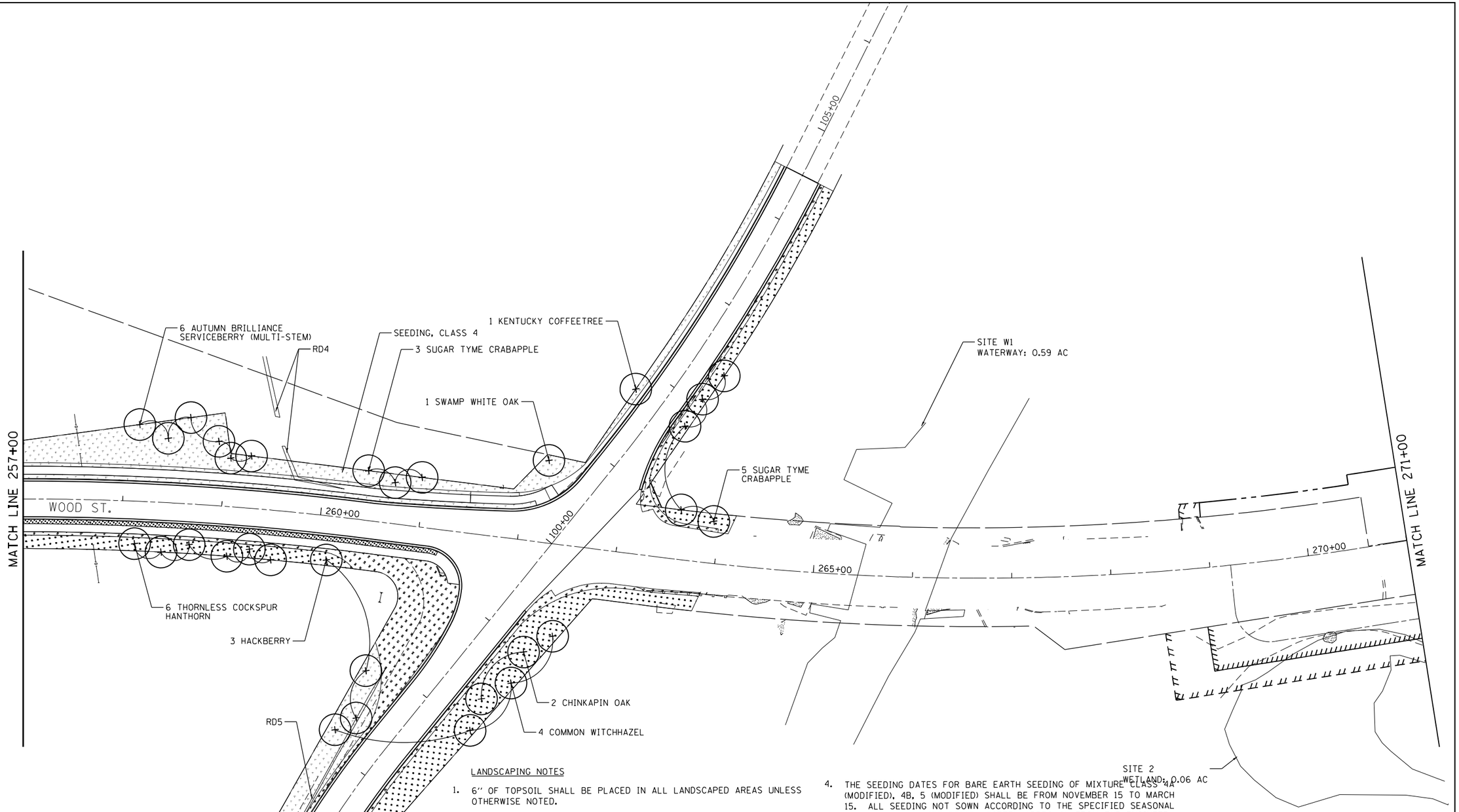
PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
WOOD STREET/ASHLAND AVENUE

SCALE: 1''=50' | SHEET 5 OF 6 SHEETS | STA. 230+00 TO STA. 257+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	308
		CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			



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LANDSCAPE LEGEND

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- SEEDING - CLASS 2A
- PAVED
- MULCH PLACEMENT, 4''
- SEEDING - CLASS 4

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USER NAME = APatterson	DESIGNED - AGL	REVISED
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PLOT SCALE = 100.0000 ' / in.	CHECKED - AJP	REVISED -
PLOT DATE = 12/12/2022	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
WOOD STREET/ASHLAND AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2) WRS&B-1	COOK	686	309
		CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			

FILE NAME = P:\P-14\3024-00 IDOT Wood Street Ph IV\DGN\CADD Sheets - 60Y72\D160Y72-sht-lndscp06.dgn

$MODEL NAME$

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	CC	CC
MASTER CONTROLLER	MC	MC
MASTER MASTER CONTROLLER	MMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX		
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET		
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	P	P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	P RB	P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

TS SHT NO. 1

USER NAME = footemj	DESIGNED - IP	REVISED -
	DRAWN - IP	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 3/4/2019	DATE - 9/29/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	310
	TS-05	CONTRACT NO. 60Y72		
		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

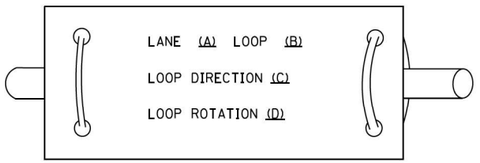
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

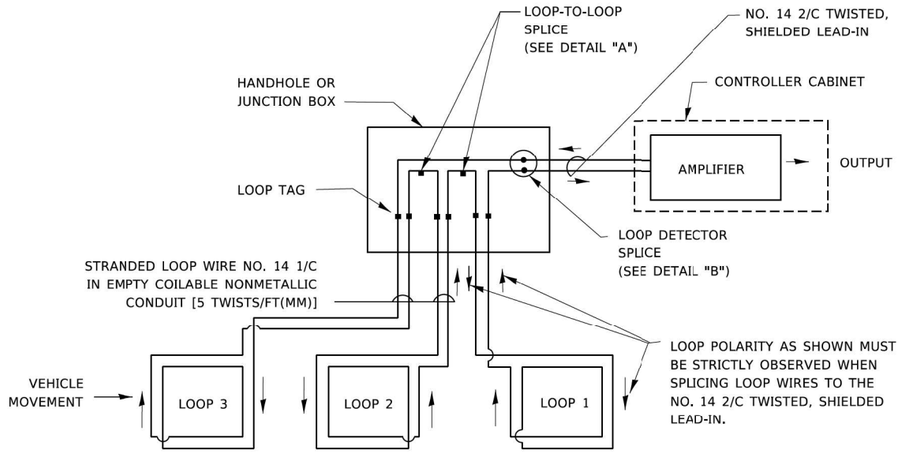


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

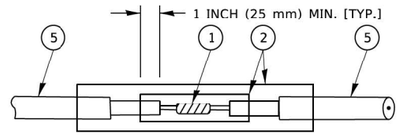
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

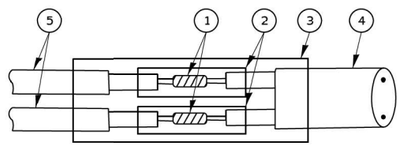


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

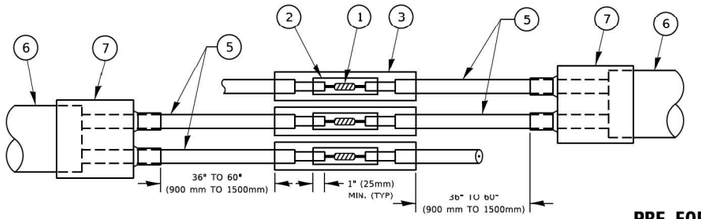


DETAIL "A"
LOOP-TO-LOOP SPLICE



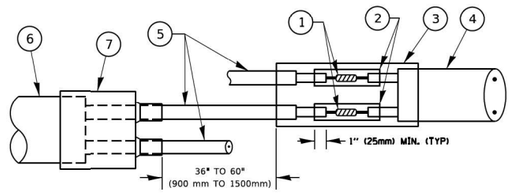
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

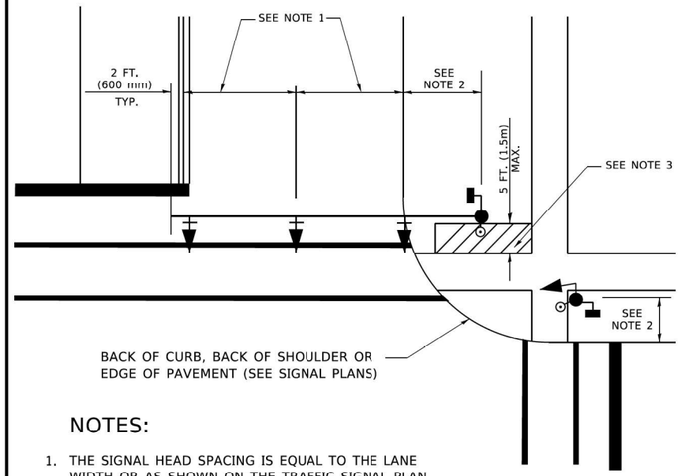
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	311
	TS-05	CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

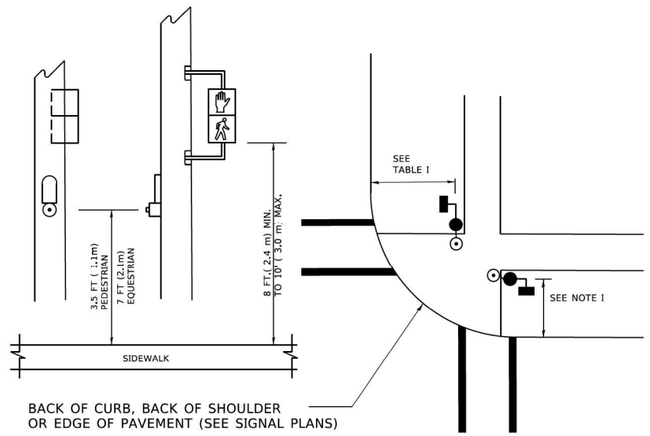
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

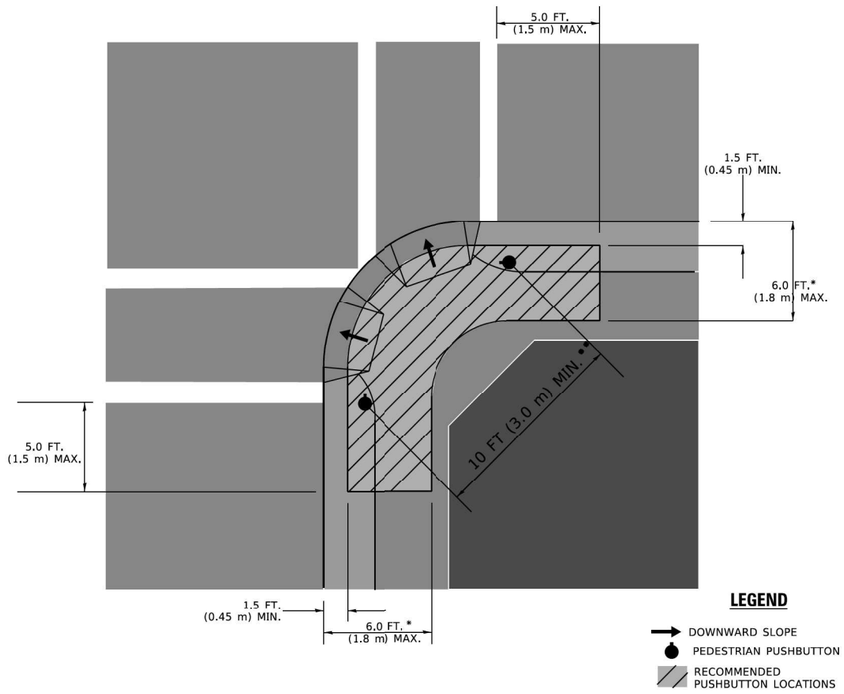
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

TS SHT NO. 3

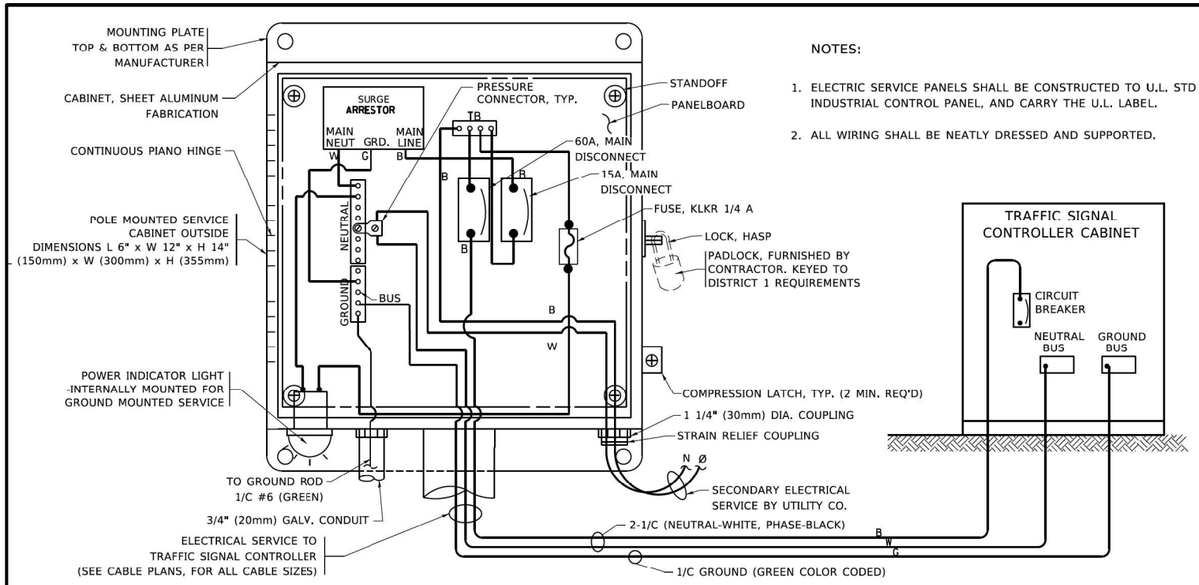
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	312
	TS-05	CONTRACT NO. 60Y72		
	ILLINOIS	FED. AID PROJECT		



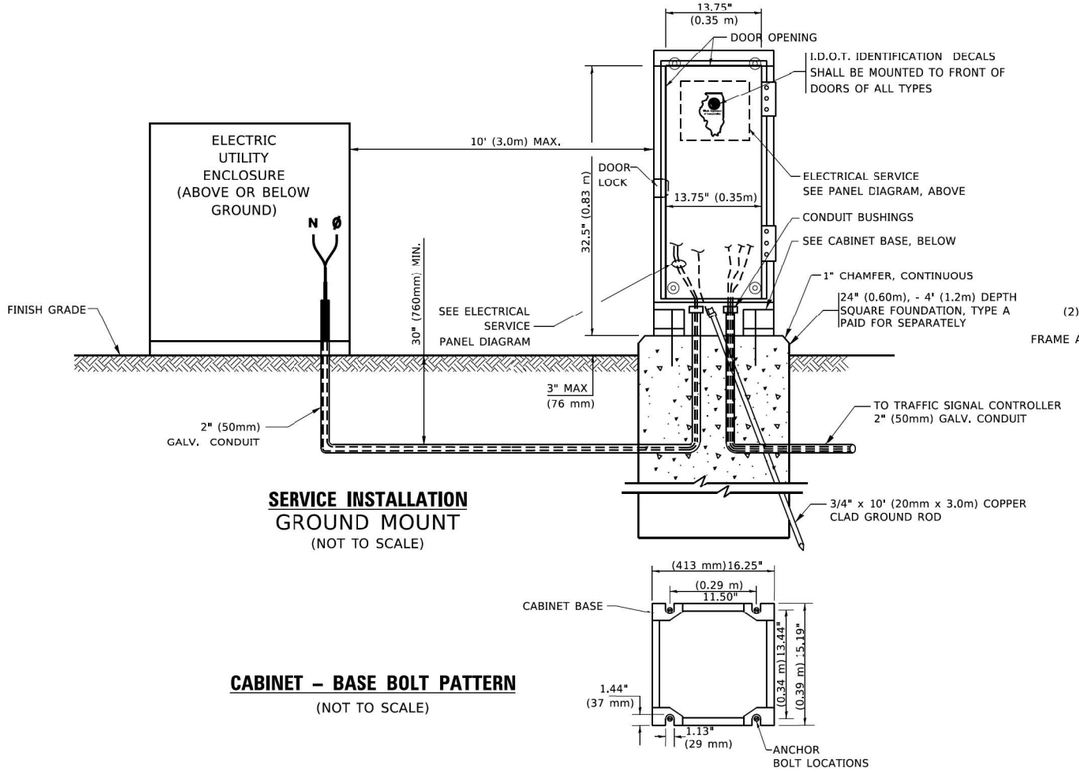
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



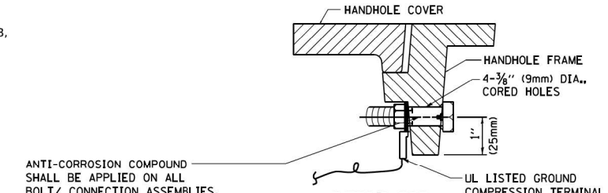
SERVICE INSTALLATION

GROUND MOUNT

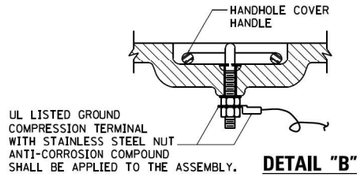
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"

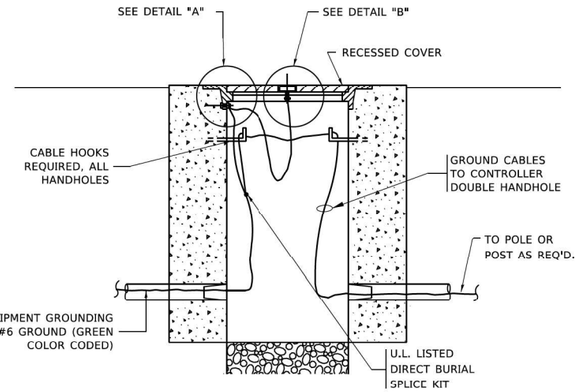


DETAIL "B"

NOTES:

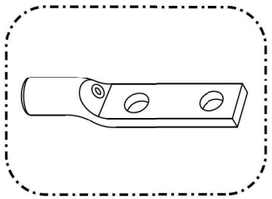
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

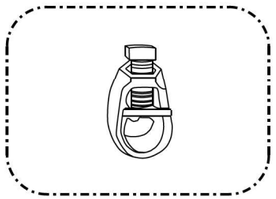


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



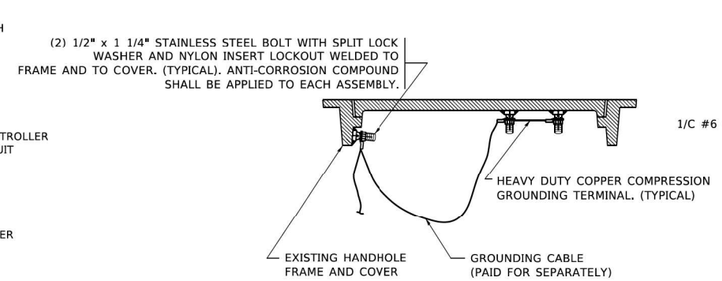
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

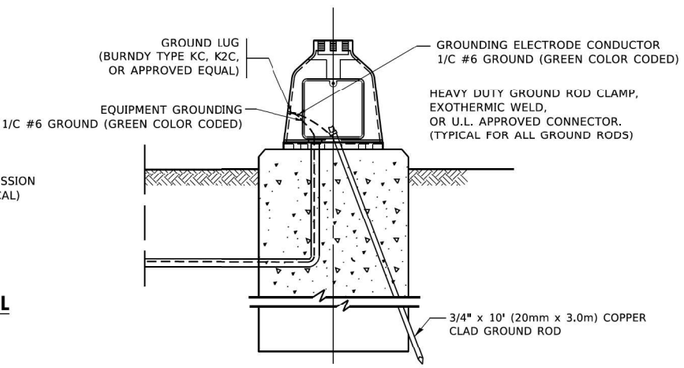
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

TS SHT NO. 4

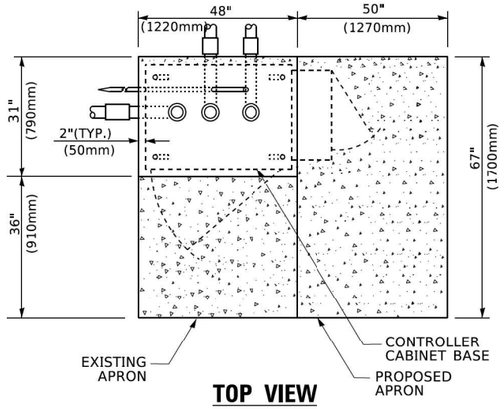
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

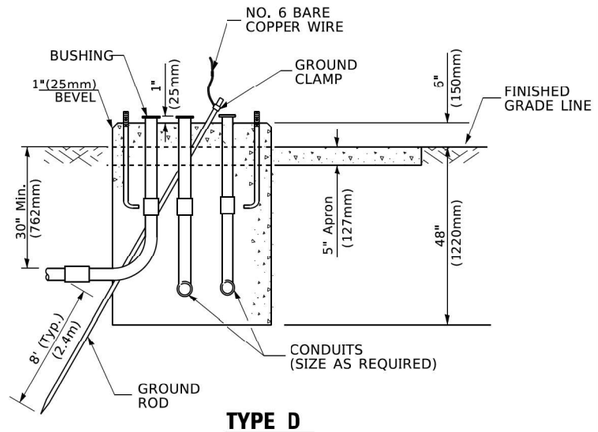
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

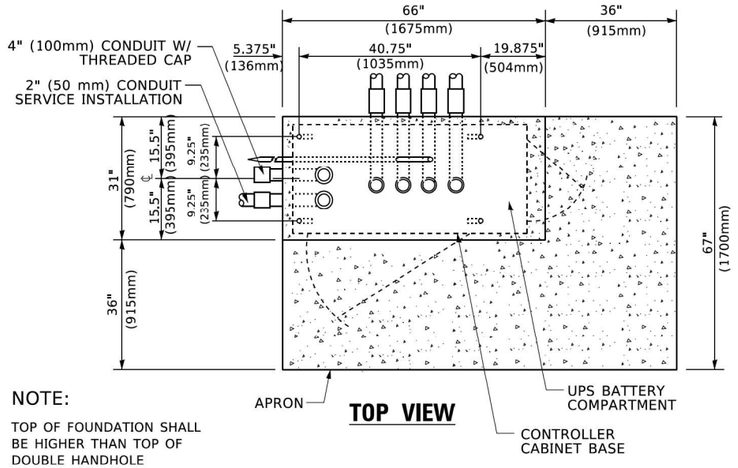
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	313
	TS-05	CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			



TOP VIEW



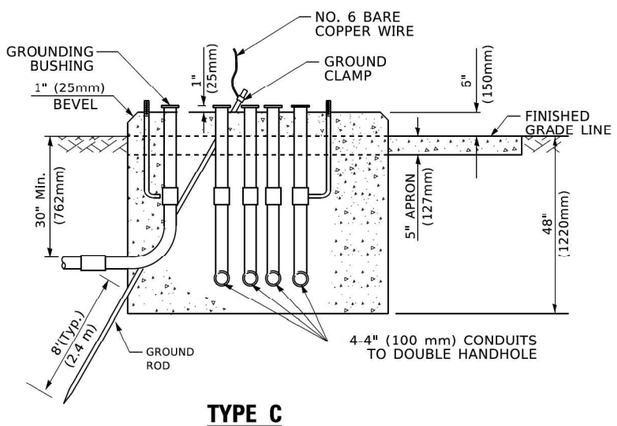
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



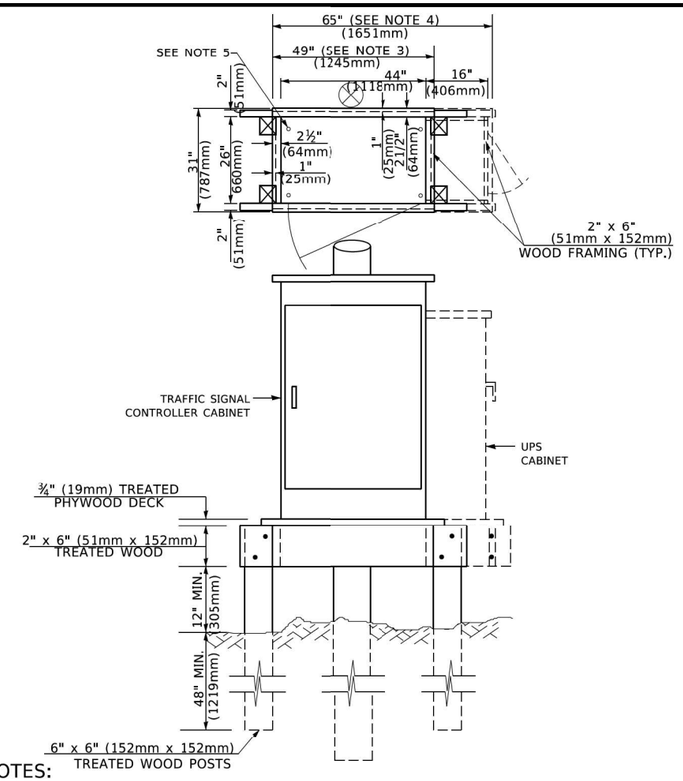
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TS SHT NO. 5

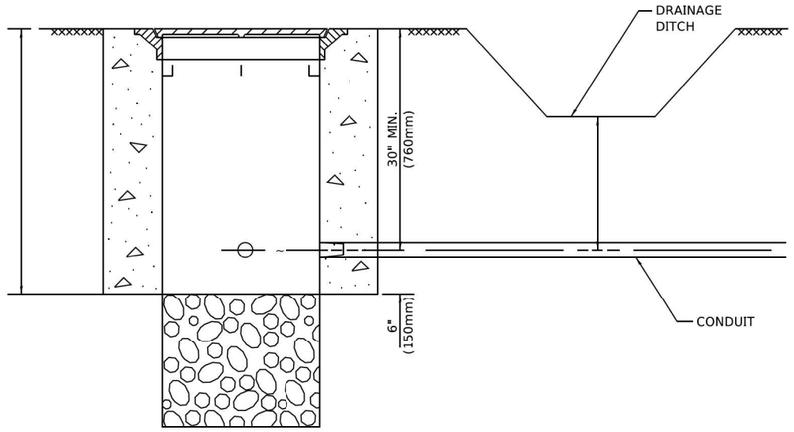
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	314
	TS-05	CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			

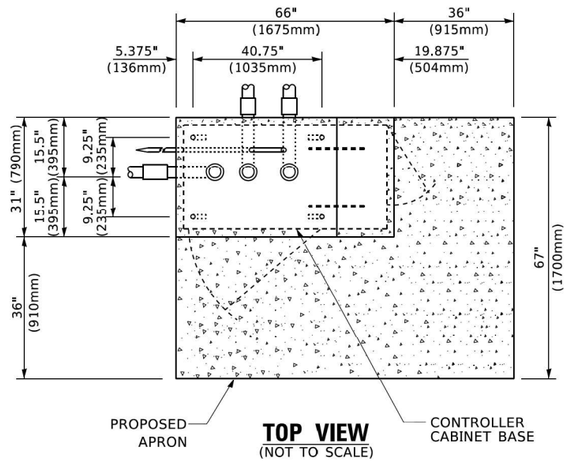


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

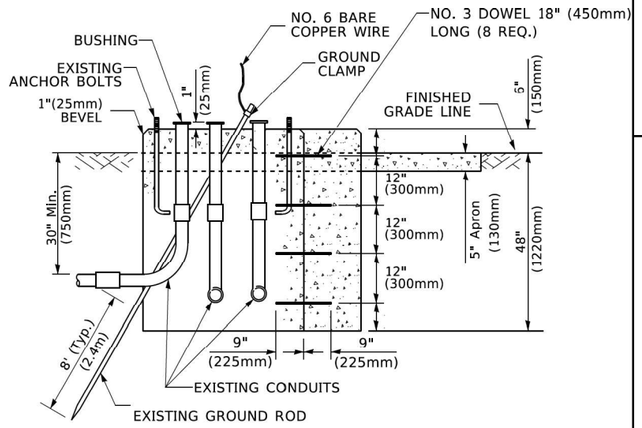
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



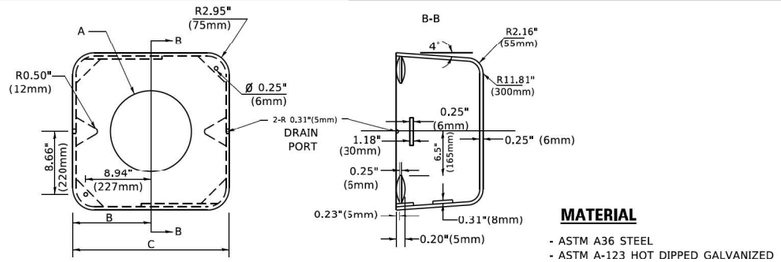
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

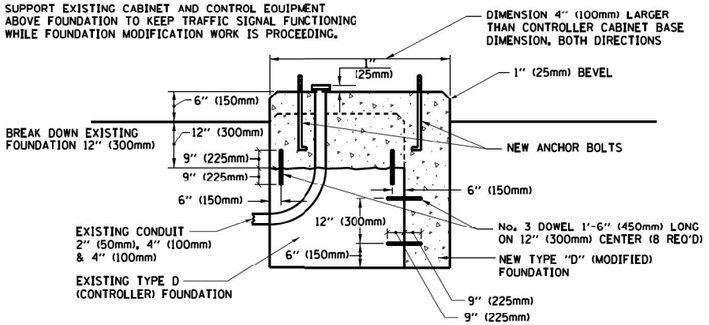
SHROUD

NOTES:

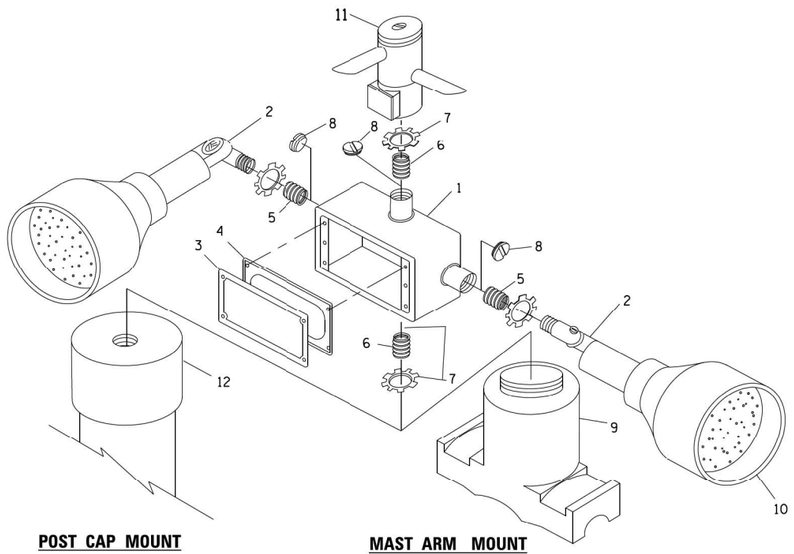
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



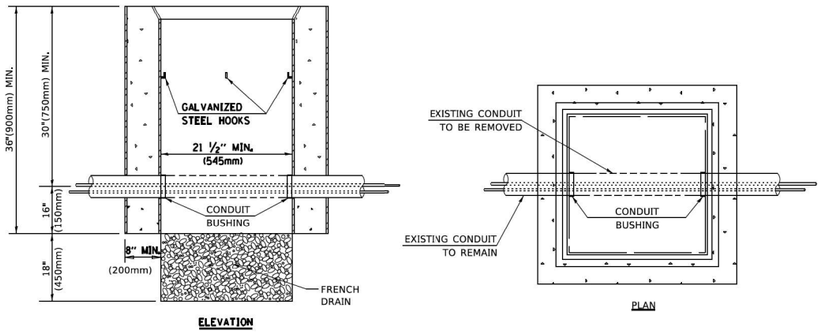
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

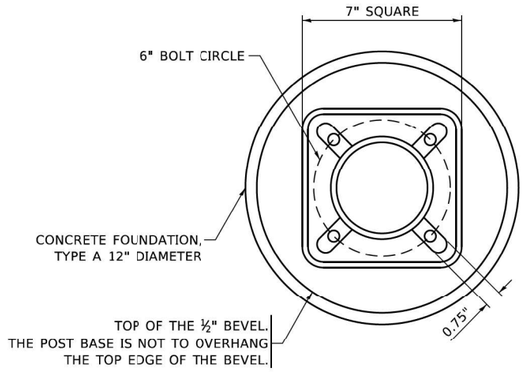
USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

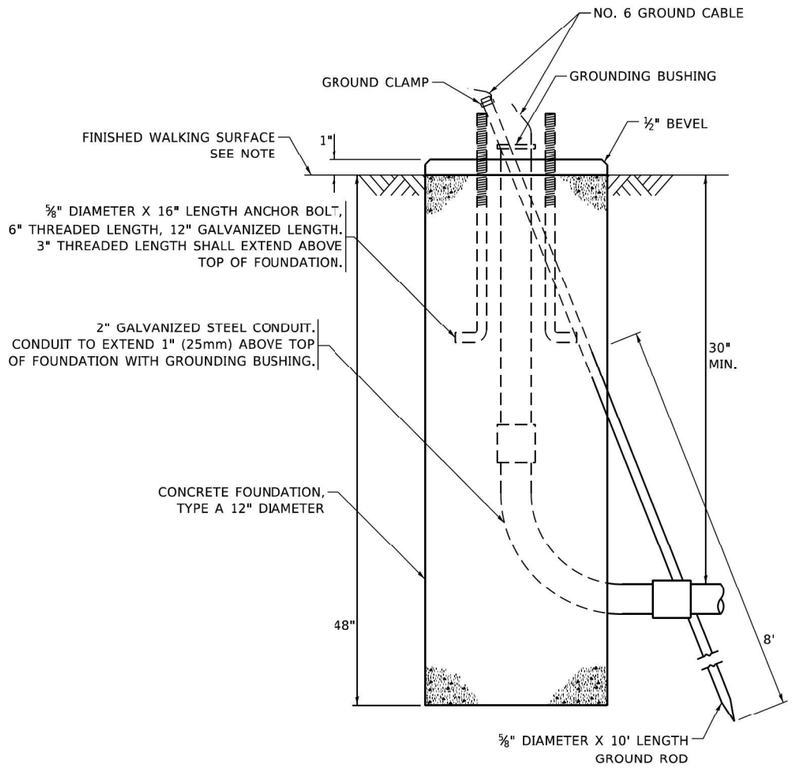
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	315
	TS-05	CONTRACT NO. 60Y72		
	ILLINOIS FED. AID PROJECT			



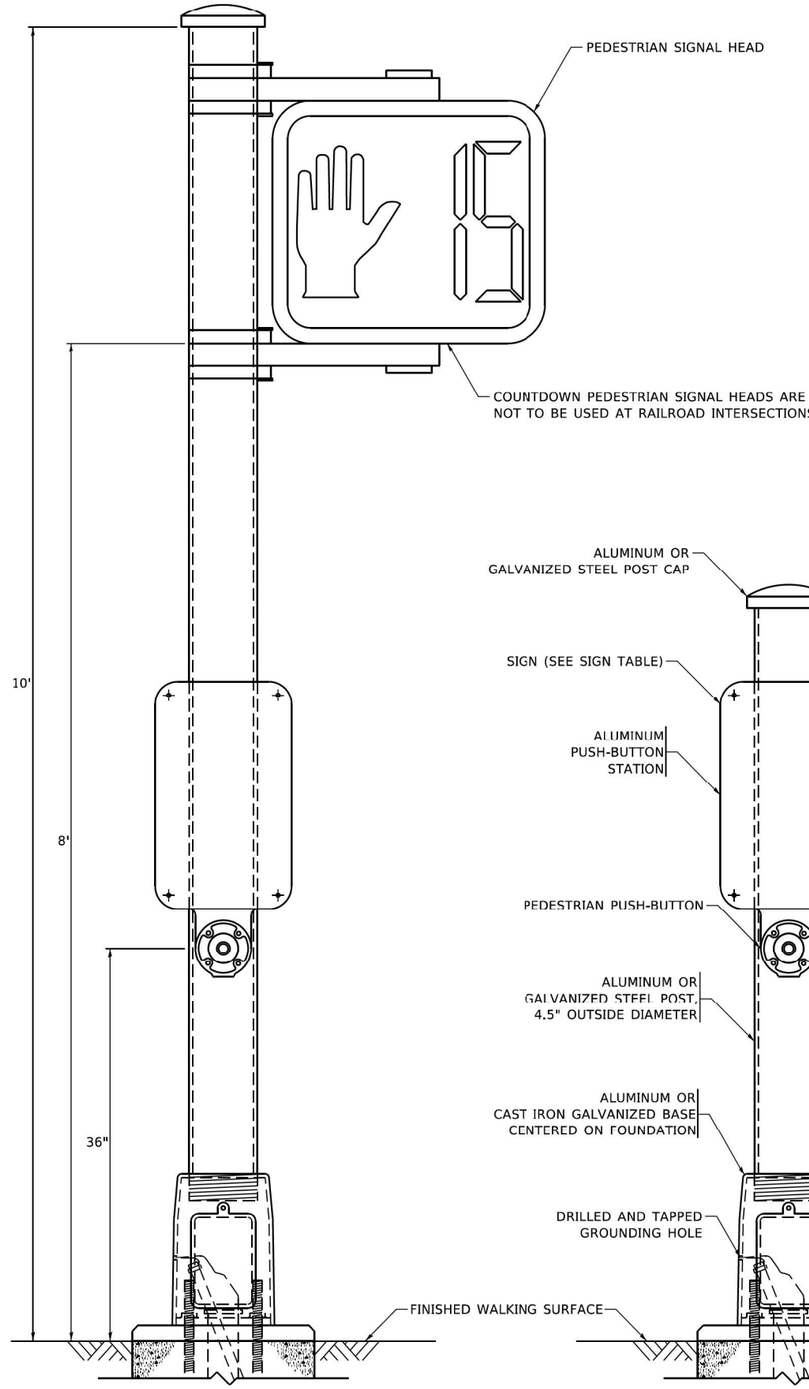
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

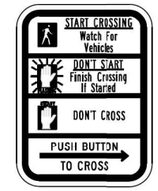


CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



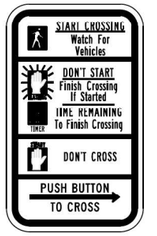
PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10–3b

R10–3d



R10–3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

TS SHT NO. 7

USER NAME = gaglianobt	DESIGNED - IP	REVISED - 10-15-2020	
	DRAWN - IP	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LP	REVISED -	
PLOT DATE = 11/23/2020	DATE - 10-15-2018	REVISED -	

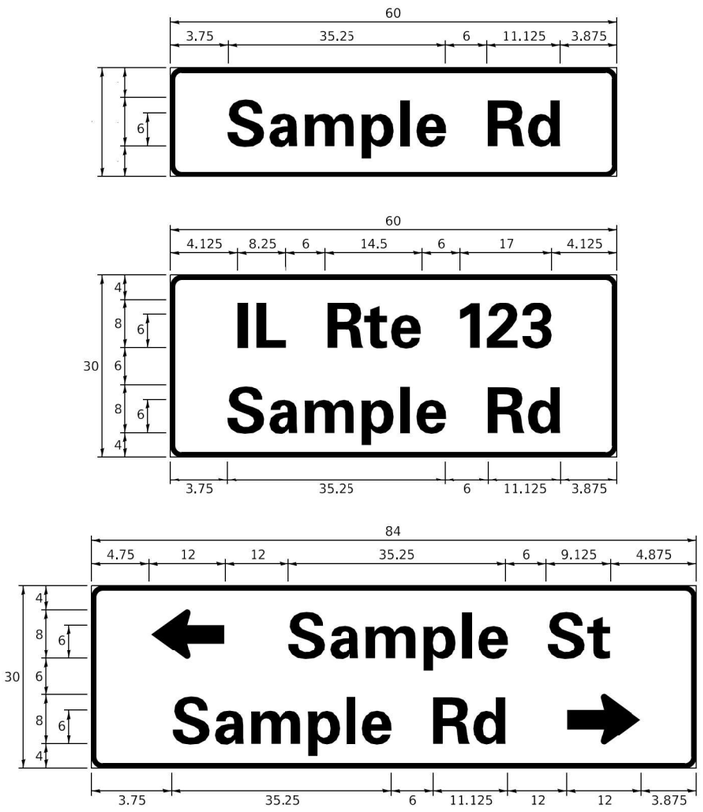
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	316
	TS–05	CONTRACT NO. 60Y72		
		ILLINOIS FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

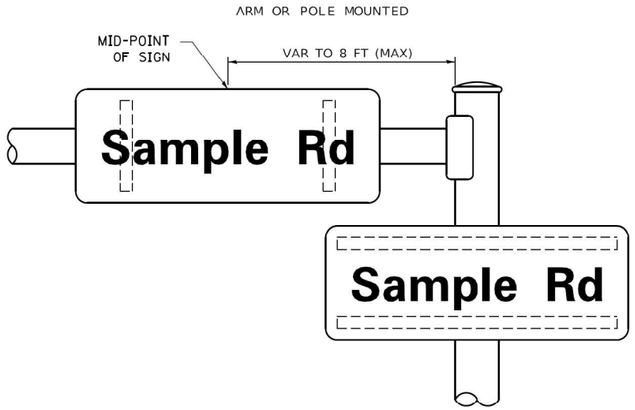
- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

PARTS LISTING:

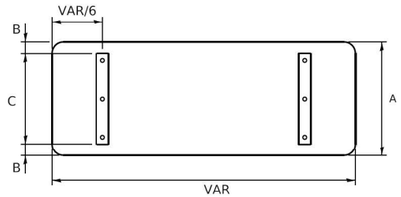
SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

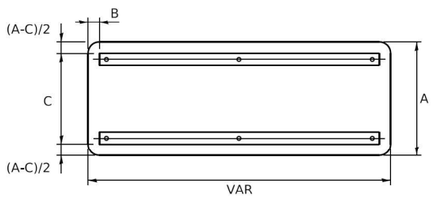
MOUNTING LOCATION



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

TS SHT NO. 8

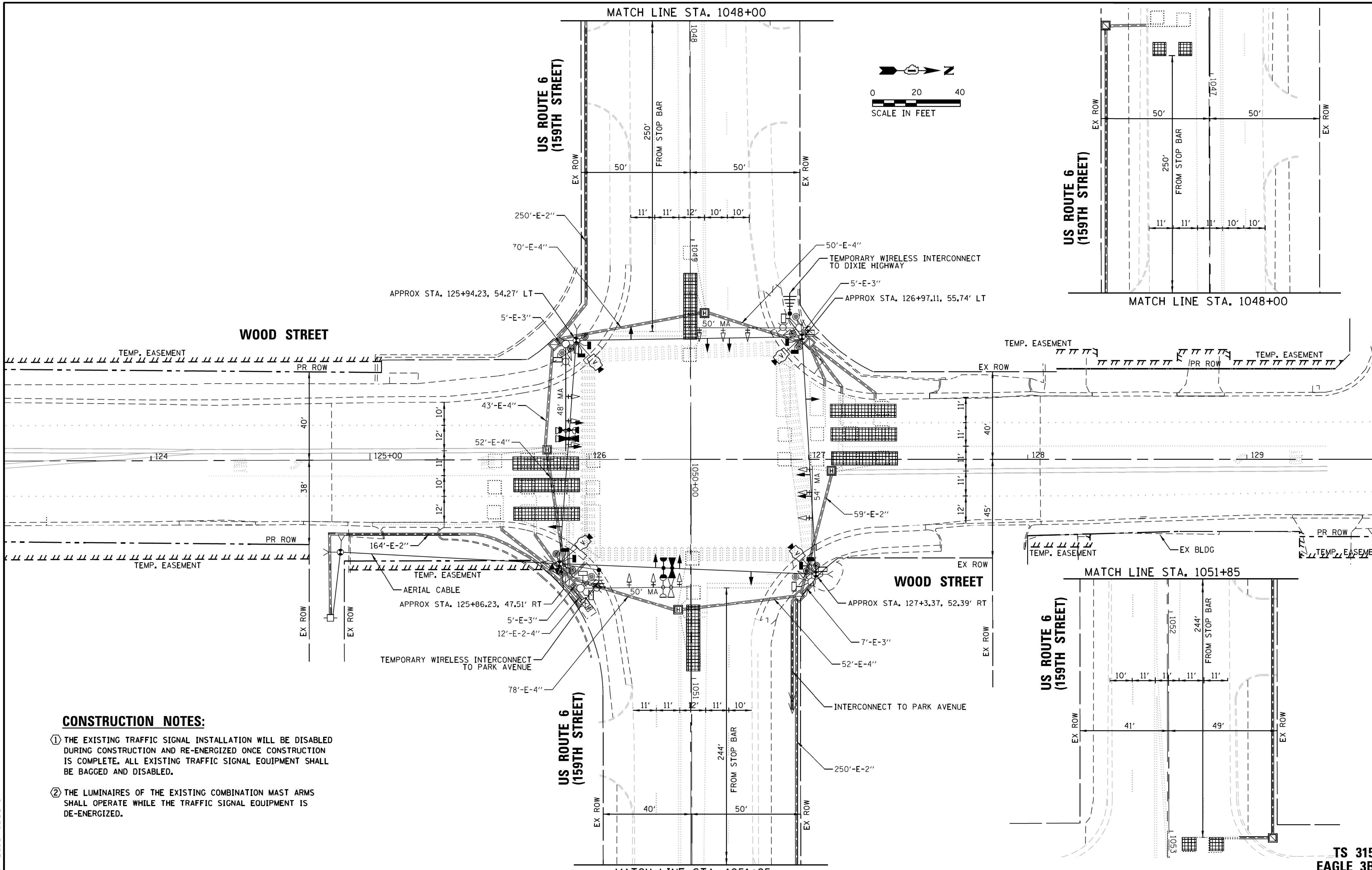
USER NAME = footemj	DESIGNED - LP/IP	REVISED - LP 07/01/2015	
	DRAWN - LP	REVISED -	
PLOT SCALE = 50.0000 ' / in.	CHECKED - IP	REVISED -	
PLOT DATE = 3/4/2019	DATE - 10/01/2014	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857(145,146&146S-2)WRS&B-1		COOK	686	317
	TS-02	CONTRACT NO.60Y72		
	ILLINOIS FED. AID PROJECT			



CONSTRUCTION NOTES:

1. THE EXISTING TRAFFIC SIGNAL INSTALLATION WILL BE DISABLED DURING CONSTRUCTION AND RE-ENERGIZED ONCE CONSTRUCTION IS COMPLETE. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE BAGGED AND DISABLED.

2. THE LUMINAIRES OF THE EXISTING COMBINATION MAST ARMS SHALL OPERATE WHILE THE TRAFFIC SIGNAL EQUIPMENT IS DE-ENERGIZED.

TS 315
EAGLE 3B

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN | NOTE BOOK NO. | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | BY | DATE

PROFILE | NOTE BOOK NO. | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTAT'NS CH'KD | BY | DATE

TS SHT NO. 9

FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-09_TMP_159th.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
WOOD STREET AND US ROUTE 6 (159TH STREET)

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	318
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

MATCH LINE STA. 1048+00

US ROUTE 6 (159TH STREET)

EX ROW 50′ 50′ EX ROW

11′ 11′ 12′ 10′ 10′

250′ FROM STOP BAR

1048 1049

TEMPORARY WIRELESS INTERCONNECT TO DIXIE HIGHWAY

0 20 40
SCALE IN FEET

MOT STAGE 1

US ROUTE 6 (159TH STREET)

EX ROW 50′ 50′ EX ROW

11′ 11′ 1′ 10′ 9′

250′ FROM STOP BAR

1047

MATCH LINE STA. 1048+00

WOOD STREET

TEMP. EASEMENT

PR ROW

40′ 10′ 10′ 10′

ONLY

124 125+00 126

BM

38′

TEMP. EASEMENT

PR ROW

AERIAL CABLE

TEMPORARY WIRELESS INTERCONNECT TO PARK AVENUE

1050+00

BM 127

TEMP. EASEMENT

EX ROW

11′ 11′ 11′ 40′

ONLY

10′

123 129

45′

TEMP. EASEMENT

EX BLDG

PR ROW

TEMP. EASEMENT

EX ROW

WOOD STREET

US ROUTE 6 (159TH STREET)

1051

11′ 11′ 12′ 11′ 10′

244′ FROM STOP BAR

EX ROW 40′ 50′ EX ROW

MATCH LINE STA. 1051+85

MATCH LINE STA. 1051+85

US ROUTE 6 (159TH STREET)

1052

10′ 11′ 11′ 11′ 11′

244′ FROM STOP BAR

EX ROW 41′ 49′ EX ROW

1053

TS 315
EAGLE 3B

TS SHT NO. 10

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Rosemont, Illinois 60018
(847) 823-0500

PLAN
SURVEYED BY
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
SURVEYED BY
PLOTTED
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.

BY DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-09a_MOT-Stage1_159th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1
WOOD STREET AND US ROUTE 6 (159TH STREET)

SCALE:1" = 40′ | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	319
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

PROFILE
NOTE BOOK
NO.

SURVEYED
PLOTTED
CROSS CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD

BY | DATE

MATCH LINE STA. 1048+00

US ROUTE 6
(159TH STREET)

EX ROW | 50′ | 50′ | EX ROW

11′ 11′ 12′ 10′ 10′

250′ FROM STOP BAR

1049

TEMPORARY WIRELESS INTERCONNECT
TO DIXIE HIGHWAY

N

0 20 40
SCALE IN FEET

MOT STAGE 2

US ROUTE 6
(159TH STREET)

EX ROW | 50′ | 50′ | EX ROW

0.04′

250′ FROM STOP BAR

11′ 11′ 1′ 10′ 9′

MATCH LINE STA. 1048+00

WOOD STREET

TEMP EASEMENT

PR ROW

40′

124 | 125+00

38′

11′ 10′ 9′

ONLY | ONLY

BM

26

1050+00

TEMP EASEMENT

EX ROW

40′

127 | 128 | 129

11′ 10′ 12′

45′

ONLY | ONLY

PR ROW

EX ROW

TEMP EASEMENT

AERIAL CABLE

TEMP. EASEMENT

WOOD STREET

TEMPORARY WIRELESS INTERCONNECT
TO PARK AVENUE

US ROUTE 6
(159TH STREET)

1051

11′ 11′ 12′ 11′ 11′

250′ FROM STOP BAR

EX ROW | 40′ | 50′ | EX ROW

MATCH LINE STA. 1051+85

MATCH LINE STA. 1051+85

US ROUTE 6
(159TH STREET)

1052

10′ 11′ 11′ 11′ 11′

EX ROW | 41′ | 49′ | EX ROW

244′ FROM STOP BAR

1053

TS 315
EAGLE 3B

TS SHT NO. 11

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-09b_MOT-Stage2_159th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
WOOD STREET AND US ROUTE 6 (159TH STREET)

SCALE: 1" = 40′ | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	320
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
CLOSURE CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
CLOSURE CHECKED
BAR. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

TS SHT NO. 12

MATCH LINE STA. 1048+00

US ROUTE 6 (159TH STREET)

EX ROW 50′ 50′ EX ROW

250′ FROM STOP BAR

11′ 11′ 12′ 10′ 10′

1048

1049

TEMPORARY WIRELESS INTERCONNECT TO DIXIE HIGHWAY

0 20 40
SCALE IN FEET

N

FINAL GEOMETRY

US ROUTE 6 (159TH STREET)

EX ROW 50′ 50′ EX ROW

250′ FROM STOP BAR

11′ 11′ 1′ 10′ 9′

1047

MATCH LINE STA. 1048+00

WOOD STREET

TEMP. EASEMENT

PR ROW

40′

14′ 11′ 11′ 11′

38′

124 125+00 126 127 128 129

1050+00

11′ 10′ 12′ 45′

EX ROW

TEMP. EASEMENT

PR ROW

TEMP. EASEMENT

TEMPORARY WIRELESS INTERCONNECT TO PARK AVENUE

EX BLDG

TEMP. EASEMENT

EX ROW

WOOD STREET

US ROUTE 6 (159TH STREET)

1051

11′ 11′ 12′ 11′ 11′

244′ FROM STOP BAR

EX ROW 40′ 50′ EX ROW

MATCH LINE STA. 1051+85

MATCH LINE STA. 1051+85

US ROUTE 6 (159TH STREET)

250′

10′ 11′ 11′ 11′ 11′

244′ FROM STOP BAR

EX ROW 41′ 49′ EX ROW

244′

1053

TS 315
EAGLE 3B

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-09c_MOT-Stage Final_159th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
FINAL GEOMETRY
WOOD STREET AND US ROUTE 6 (159TH STREET)

SCALE:1″ = 40′ | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	321
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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Rosemont, Illinois 60018
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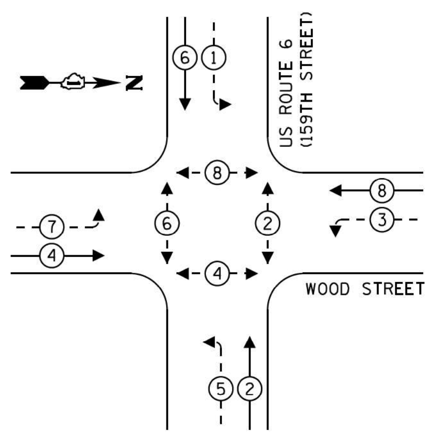
PLAN	SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME	BY	DATE
NOTE BOOK NO.			

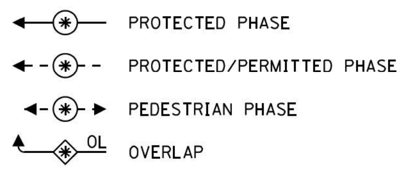
PROFILE	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD	BY	DATE
NOTE BOOK NO.			

TS SHT NO. 13

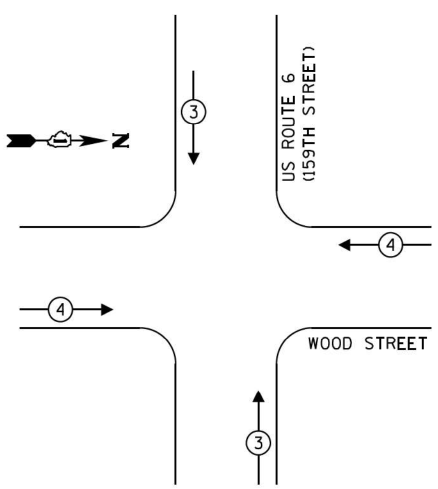
TEMPORARY CONTROLLER SEQUENCE



LEGEND:



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

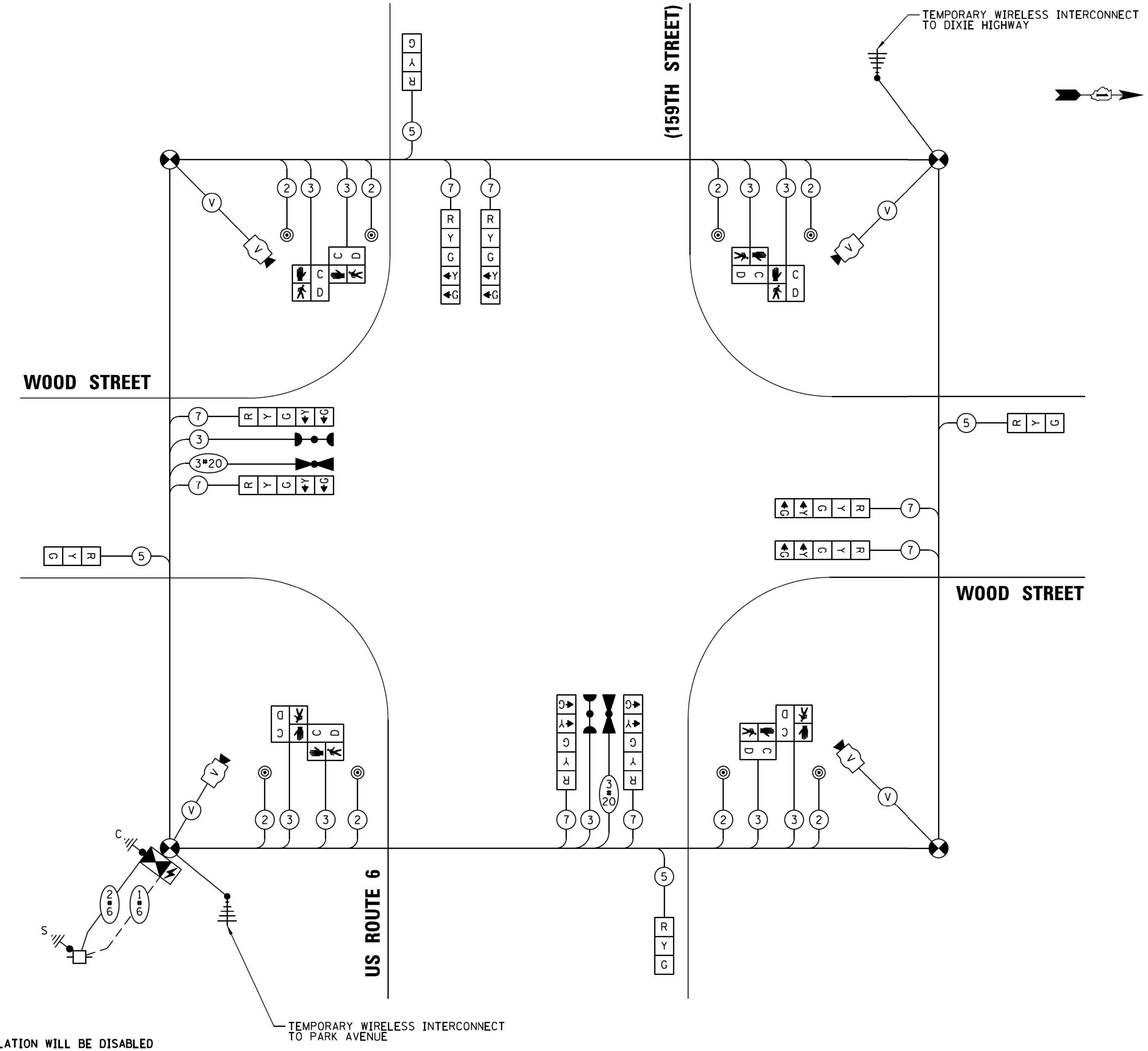


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	593.8

ENERGY COSTS TO:
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT:
PHONE:
COMPANY:
ACCOUNT NUMBER: ---



CONSTRUCTION NOTES:

⟨1⟩ THE EXISTING TRAFFIC SIGNAL INSTALLATION WILL BE DISABLED DURING CONSTRUCTION AND RE-ENERGIZED ONCE CONSTRUCTION IS COMPLETE. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE BAGGED AND DISABLED.

⟨2⟩ THE LUMINAIRES OF THE EXISTING COMBINATION MAST ARMS SHALL OPERATE WHILE THE TRAFFIC SIGNAL EQUIPMENT IS DE-ENERGIZED.

EXISTING GEOMETRY, MOT STAGE 1, MOT STAGE 2, AND FINAL GEOMETRY

TS 315
EAGLE 3B

FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-09d_TCB_159th.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND
TEMPORARY PHASE DESIGNATION DIAGRAM
WOOD STREET AND 159TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	322
		CONTRACT NO. 60Y72		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

REMOVAL NOTES:

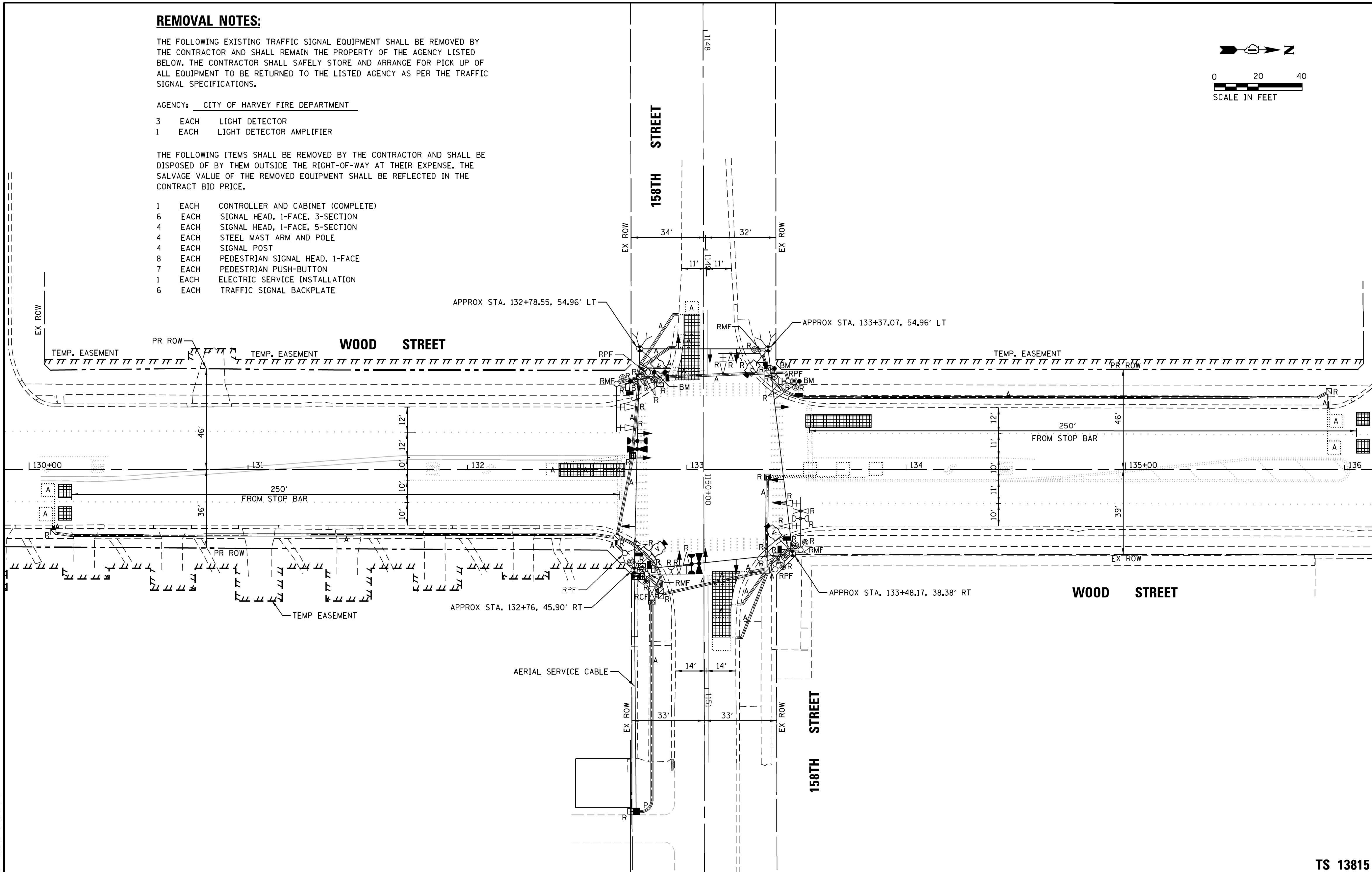
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF HARVEY FIRE DEPARTMENT

3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
6	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
4	EACH	STEEL MAST ARM AND POLE
4	EACH	SIGNAL POST
8	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
7	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	ELECTRIC SERVICE INSTALLATION
6	EACH	TRAFFIC SIGNAL BACKPLATE



TS 13815

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. — SURVEYED — PLOTTED — GRADES CHECKED — B.M. NOTED — STRUCTURE NOTAT'NS CH'KD — BY — DATE

TS SHT NO. 14

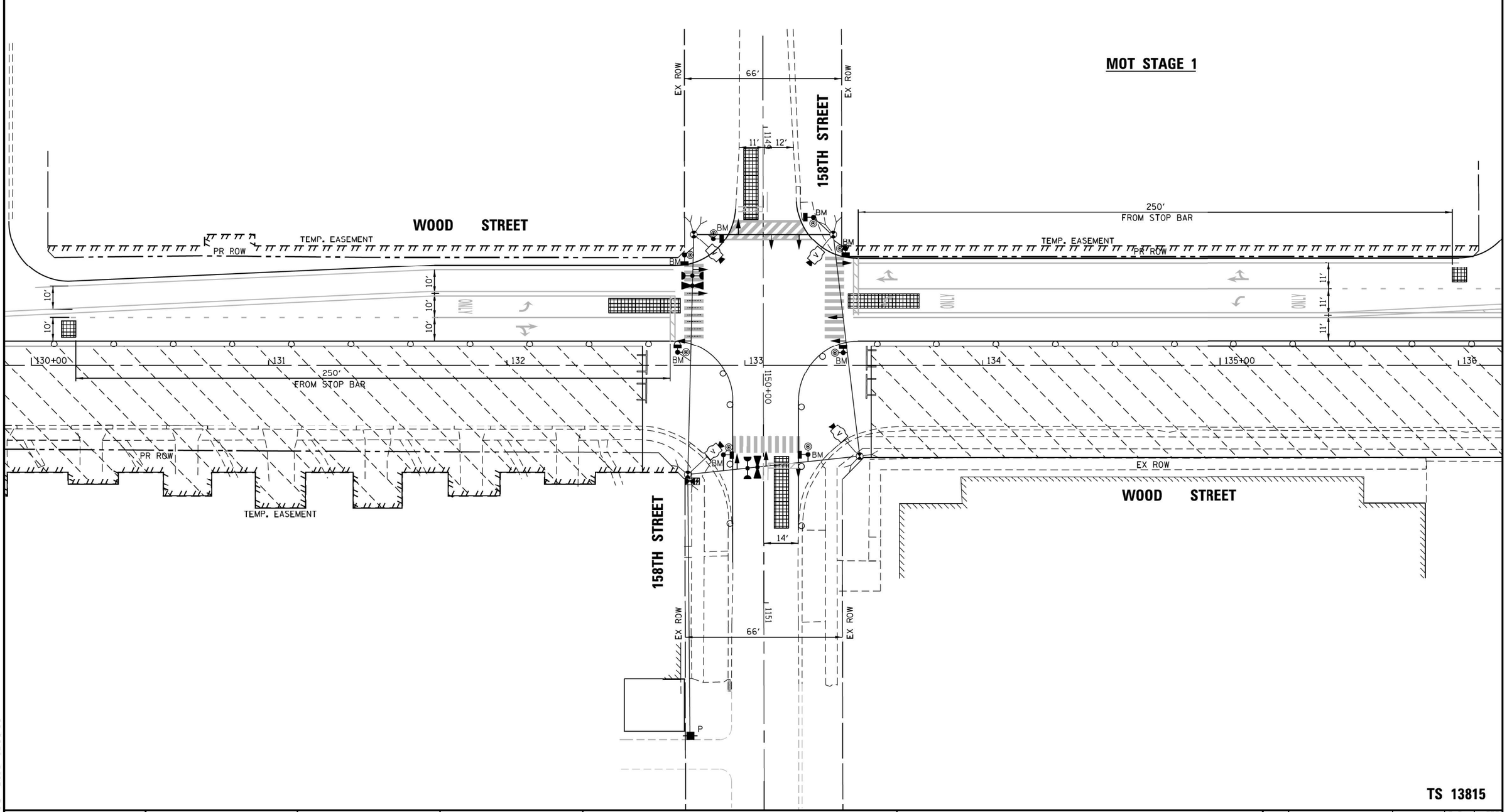
FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-10_TMP_158th.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
WOOD STREET AND 158TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	323
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TS SHT NO. 15

PLAN
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
CHECKED
BAR. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.

BY | DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

SURVEYED
PLOTTED
CLOSURE CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
C-ADD FILE NAME

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-10a_MOT-Stage1_158th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

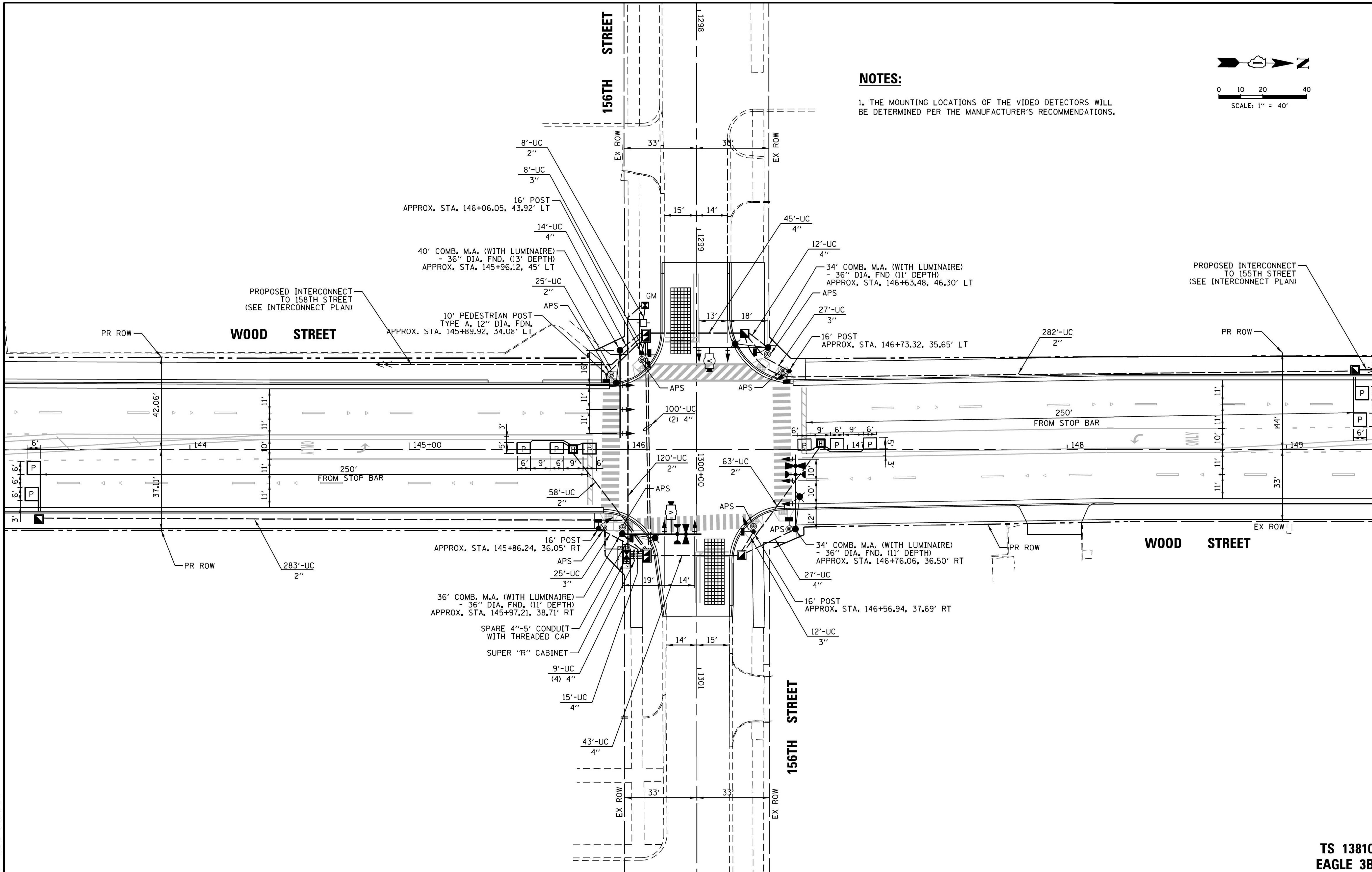
TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1
WOOD STREET AND 158TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	324
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

1. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



TS 13810
EAGLE 3B

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN	SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME	BY	DATE
NOTE BOOK NO.			

PROFILE	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD	BY	DATE
NOTE BOOK NO.			

TS SHT NO. 31

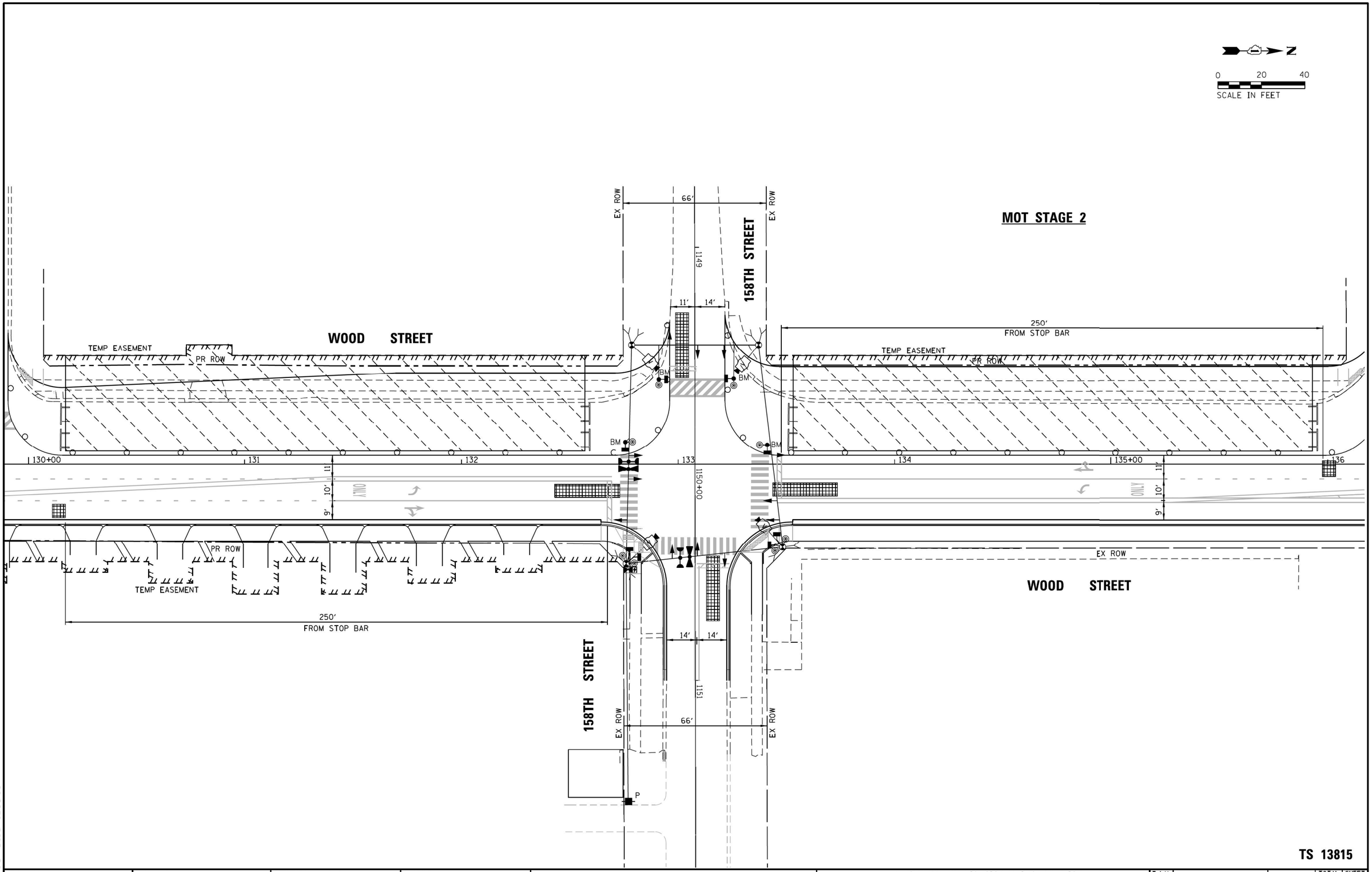
FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-11e_TSD_156th.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
WOOD STREET AND 156TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	325
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



TS SHT NO. 16

TS 13815

PLAN
SURVEYED
PLOTTED
CHKD. CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
CHKD. CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.

BY	DATE

SURVEYED
PLOTTED
CHKD. CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
C-ADD FILE NAME

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-10b_MOT-Stage2_158th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
WOOD STREET AND 158TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	326
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
CLASS CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
CLASS CHECKED
ELEV. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

TS SHT NO. 17

N

0 20 40
SCALE IN FEET

FINAL GEOMETRY

WOOD STREET

158TH STREET

TEMP. EASEMENT

PR ROW

250′
FROM STOP BAR

12′ 12′

1149

BM

130+00 131 132 133 1150+00 134 135+00 136

11′

EX ROW

66′

14′ 14′

1151

TEMP EASEMENT

P

TS 13815

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-10c_MOT-Stage Final_158thdgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

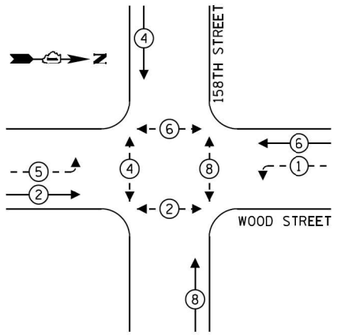
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
FINAL GEOMETRY
WOOD STREET AND 158TH STREET

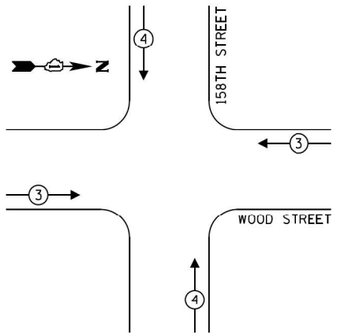
SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	327
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY CONTROLLER SEQUENCE

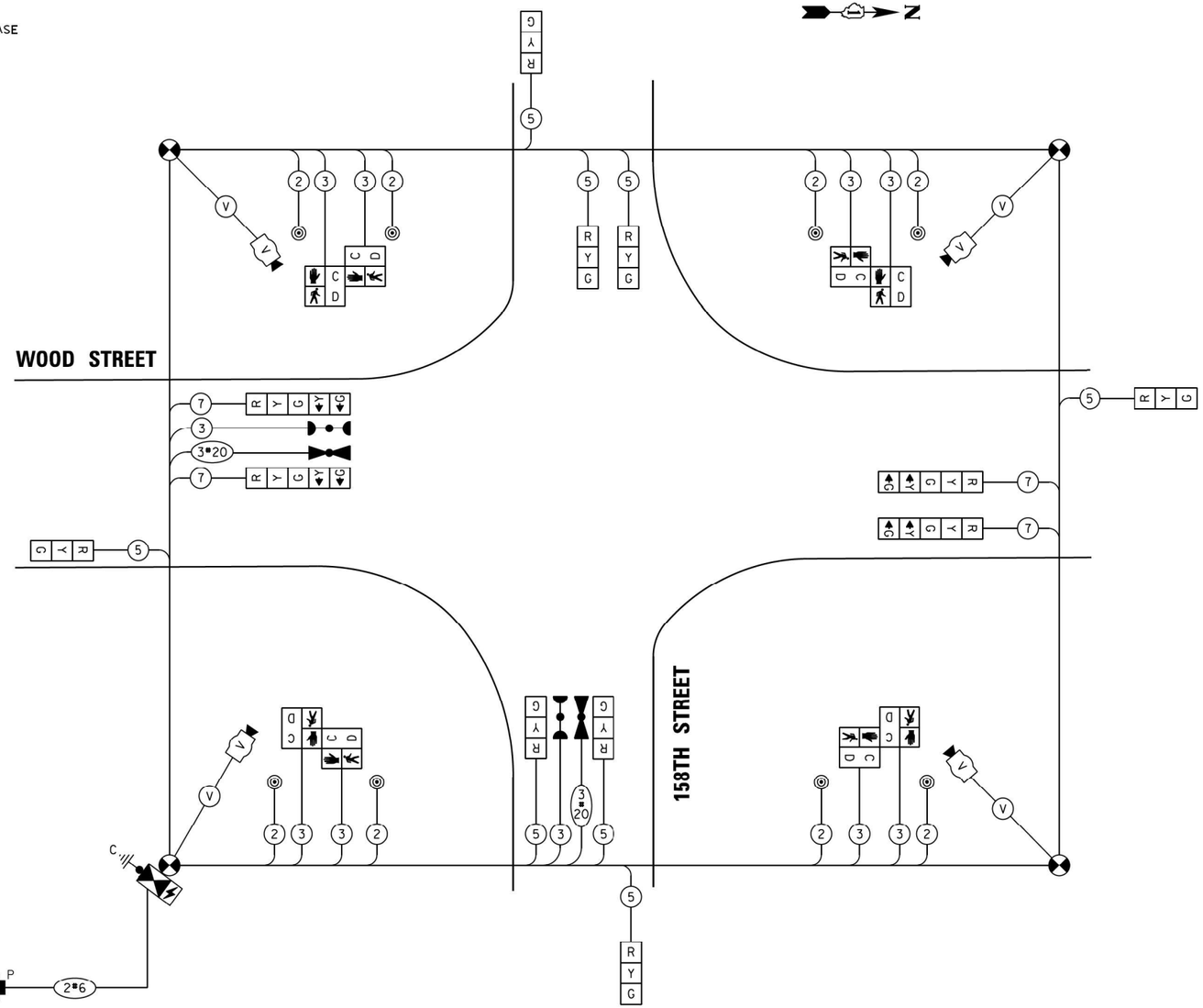


TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	585.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

EXISTING GEOMETRY, MOT STAGE 1, MOT STAGE 2, AND FINAL GEOMETRY
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS SHT NO. 18

TS 13815
EAGLE 3B

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED — PLOTTED — PLOTTED CHECKED — NOTE BOOK — BLM. NOTED — NO. ____ — STRUCTURE NOTATNS. CHKD
PLAN — SURVEYED — ALIGNMENT CHECKED — NOTE BOOK — RT. OF WAY CHECKED — NO. ____ — J-400 FILE NAME
BY — DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-10d_TCB_158th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM WOOD STREET AND 158TH STREET	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -			2857	(145,146&146S-2)WRS&B-1	COOK	686	328
	PLOT DATE = 12/6/2022	CHECKED - GMZ	REVISED -					CONTRACT NO. 60Y72		
		DATE -	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

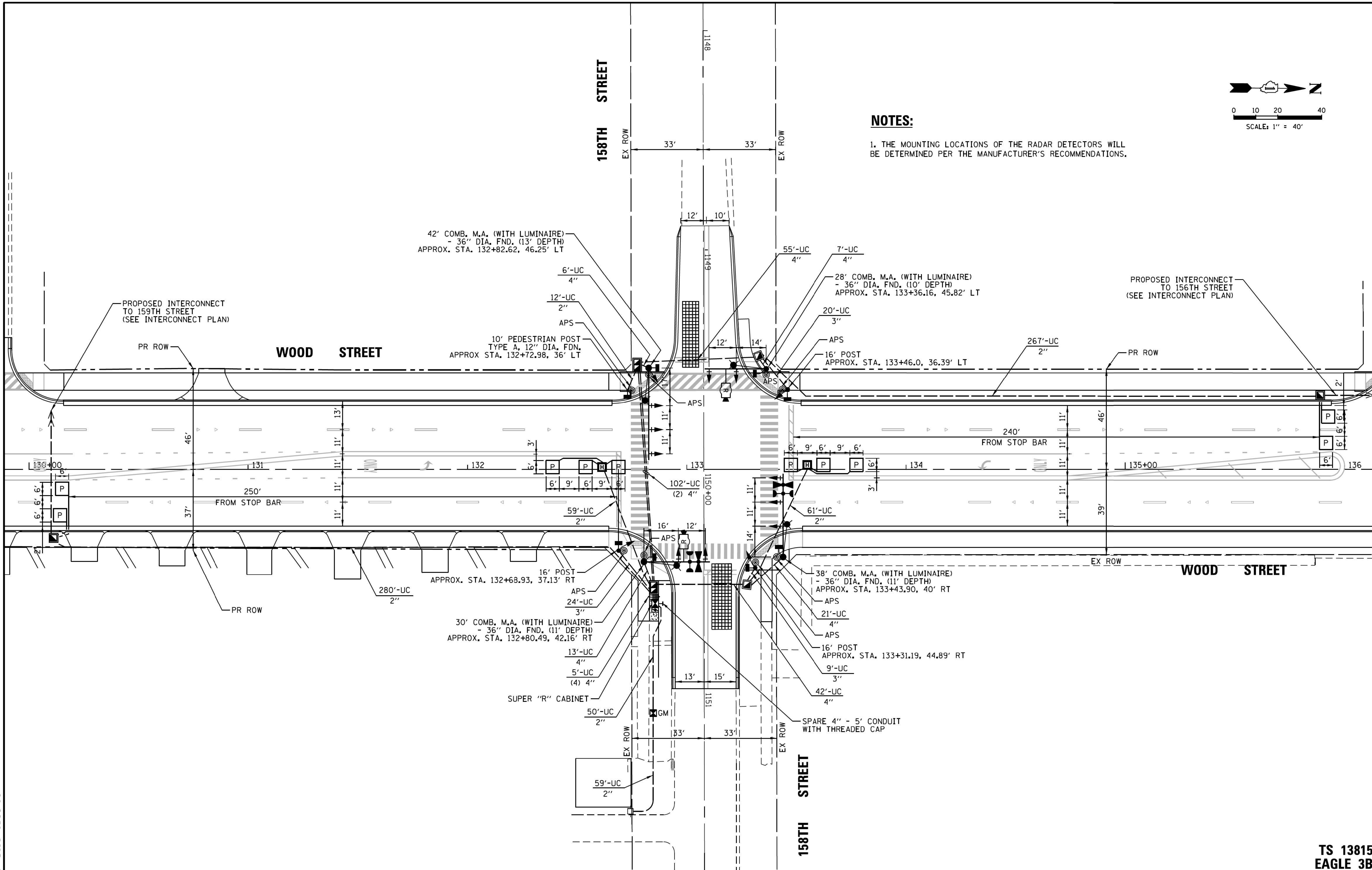
PLAN	SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME	BY	DATE
NOTE BOOK / NO.			

PROFILE	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CH'KD	BY	DATE
NOTE BOOK / NO.			

TS SHT NO. 19

NOTES:

1. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.



TS 13815
EAGLE 3B

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-10e_TSD_158th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

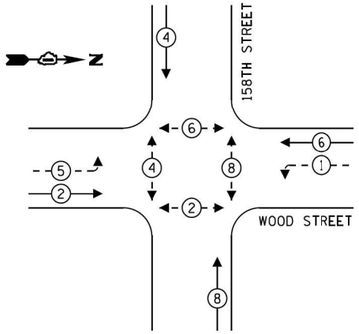
TRAFFIC SIGNAL INSTALLATION PLAN
WOOD STREET AND 158TH STREET

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

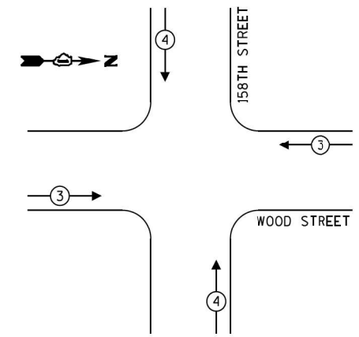
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	329
		CONTRACT NO. 60Y72		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

PROPOSED CONTROLLER SEQUENCE

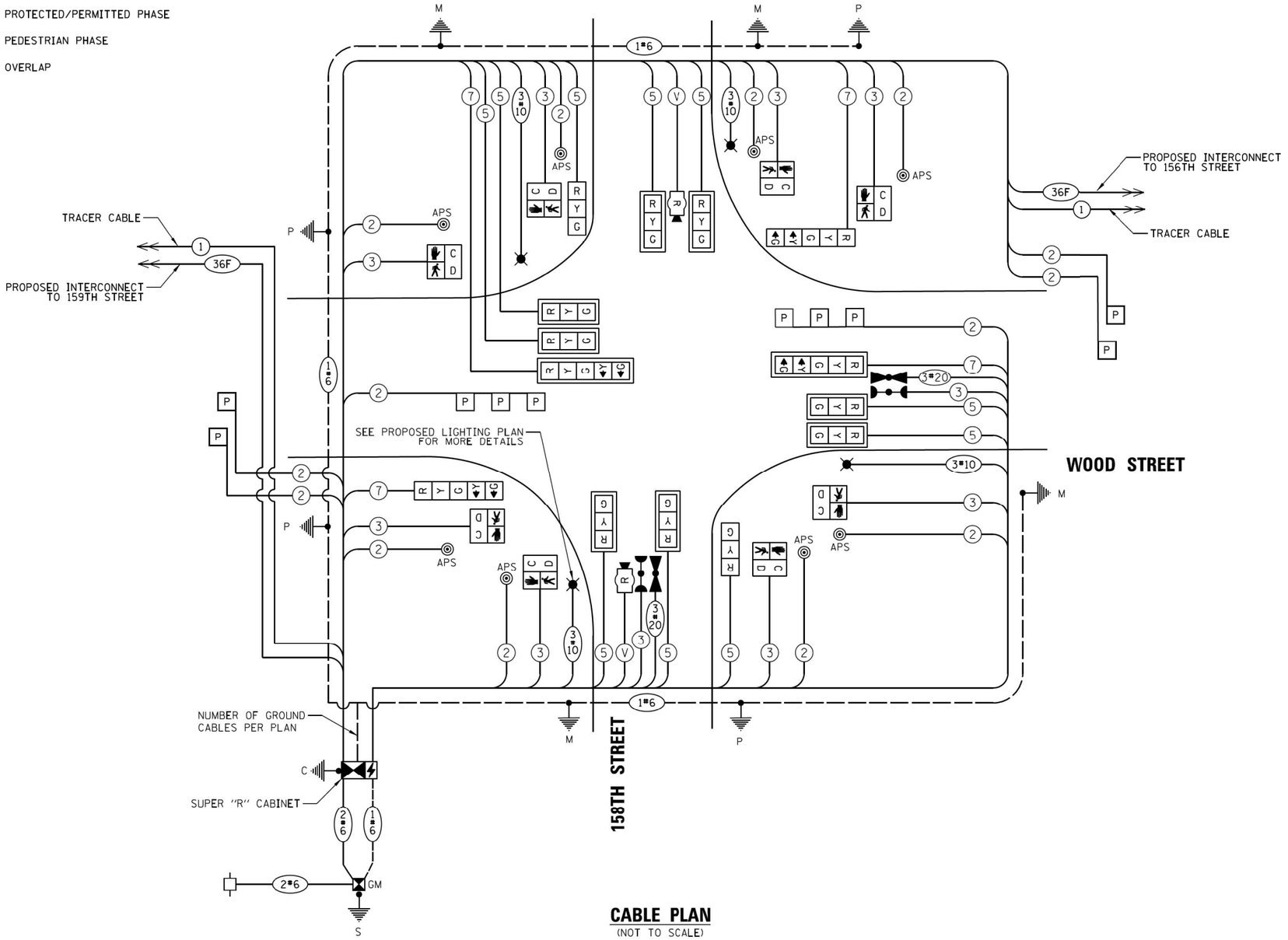


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	198	50	396.0
			TOTAL =	1005.6

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO. 20

TS 13815
EAGLE 3B

FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS10f_CAB1_158th.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
WOOD STREET AND 158TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	330
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

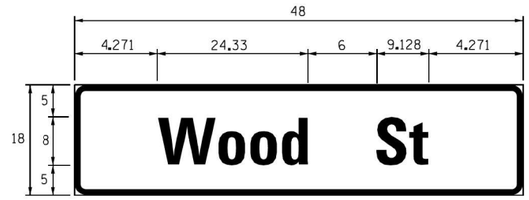
PLAN: SURVEYED, PLOTTED, DRAWN, CHECKED, ALIGNMENT CHECKED, R.T. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, ELEV. NOTED, STRUCTURE NO(TYPE OF CHKD, NOTE BOOK, NO., BY, DATE

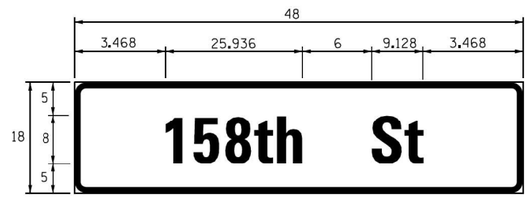
MAST ARM MOUNTED STREET NAME SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

SIGN PANEL – TYPE 1



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	24
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	788
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	373
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,060
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,346
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,584
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	663
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,790
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	150
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	816
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	16
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	6
	PREFORMED DETECTOR LOOP	FOOT	326
*	LIGHT DETECTOR	EACH	2
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	8
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	230
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100 % COST TO THE CITY OF HARVEY

TS 13815
EAGLE 3B

TS SHT NO. 21

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3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED | PLOTTED | CROSS SECTIONED | NOTE BOOK | NO. | BY | DATE
PROFILE: SURVEYED | PLOTTED | CROSS SECTIONED | NOTE BOOK | NO. | BY | DATE
ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME
B.M. NOTED | STRUCTURE NOTATING CHKD

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-10g_CAB2_158th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAMES SIGNS AND SCHEDULE OF QUANTITIES WOOD STREET AND 158TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	331
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVAL NOTES:

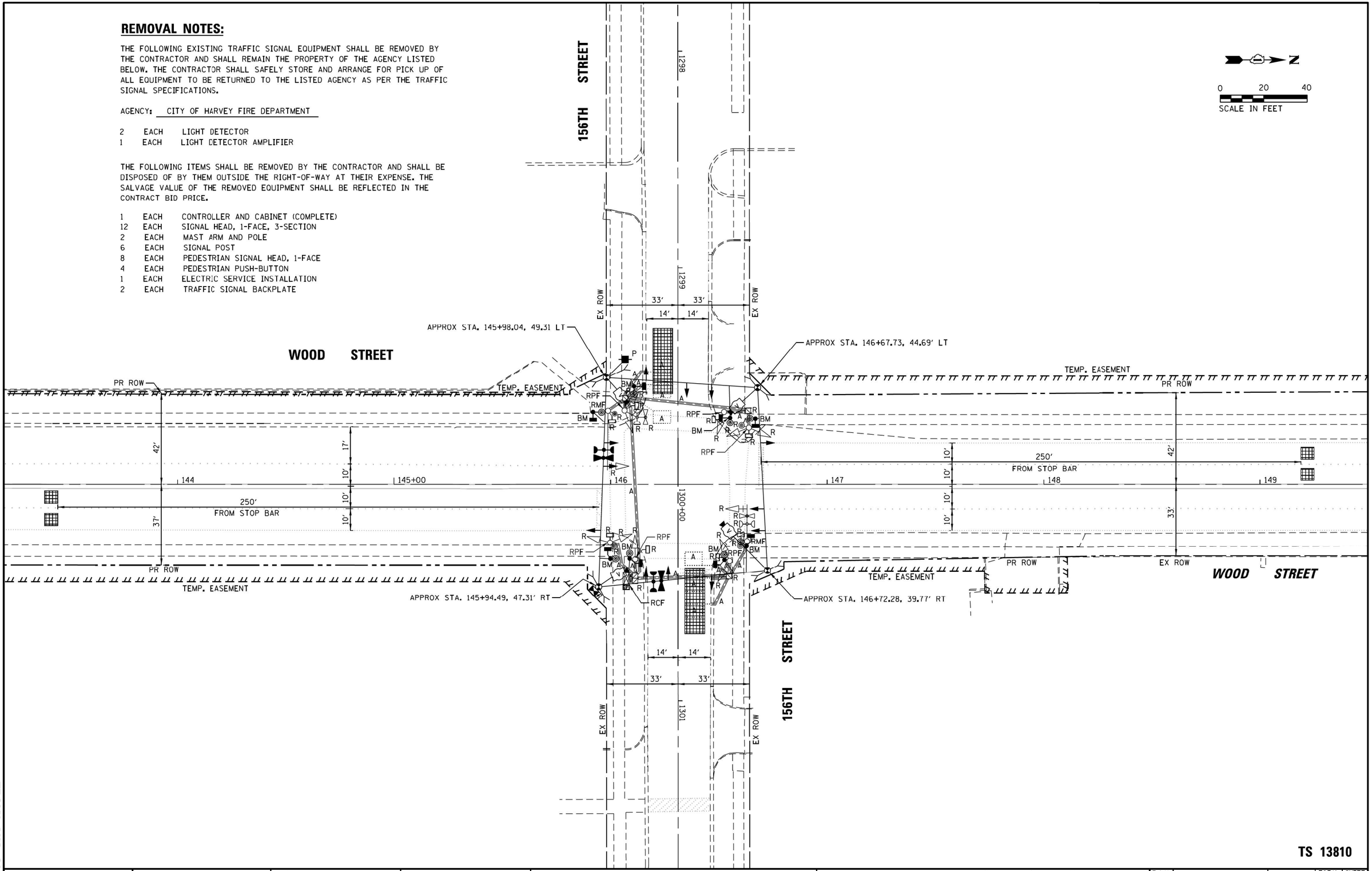
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF HARVEY FIRE DEPARTMENT

2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
12	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
2	EACH	MAST ARM AND POLE
6	EACH	SIGNAL POST
8	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	ELECTRIC SERVICE INSTALLATION
2	EACH	TRAFFIC SIGNAL BACKPLATE



TS SHT NO. 22

TS 13810

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-11_TMP_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
WOOD STREET AND 156TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	332
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN / PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, B.M. NOTED, STRUCTURE NOTATING, CHKD, NOTE BOOK, NO., BY, DATE

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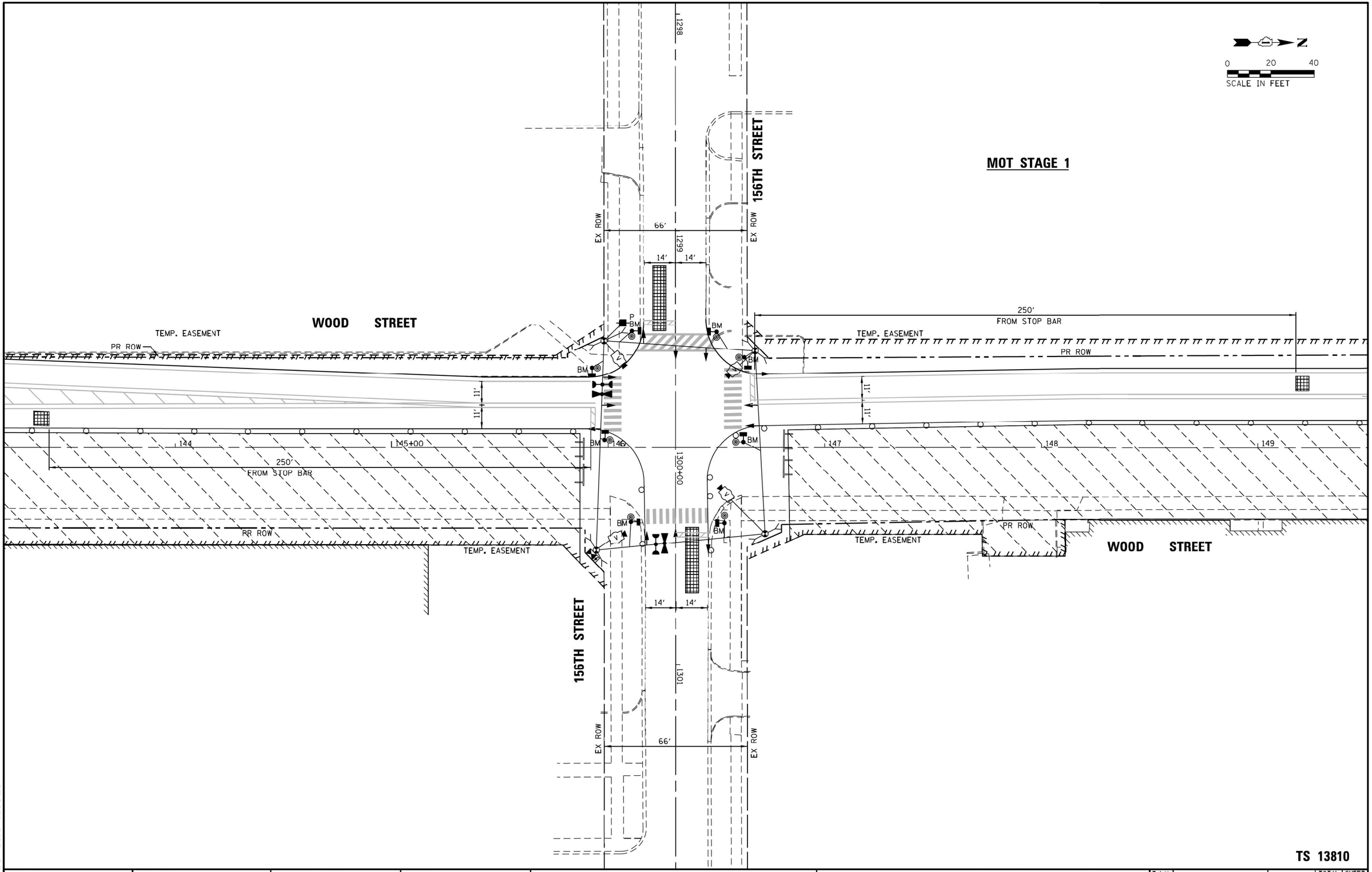
Rosemont, Illinois 60018
(847) 823-0500

MOT STAGE 1



TS 13810

TS SHT NO. 23

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Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ROADS CHECKED
R.O.W. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
ROADS CHECKED
R.O.W. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-11a_MOT-Stage1_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1
WOOD STREET AND 156TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	333
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS. CHKD
NOTE BOOK
NO.

BY | DATE

TS SHT NO. 24

MOT STAGE 1A

N

0 20 40
SCALE IN FEET

WOOD STREET

156TH STREET

TEMP EASEMENT

PR ROW

EX ROW

66'

1298

1299

1300

1301

10' 10'

250'
FROM STOP BAR

144 145+00 146 147 148 149

BM

P

RR ROW

CONSTRUCTION NOTE:

1. THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE MOT STAGING CONTRACTOR AND THE ENGINEER TO DECIDE WHICH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTON TO BAG AND WHICH PEDESTRIAN PHASES TO DISABLE THROUGHOUT EACH MOT STAGE.

TS 13810

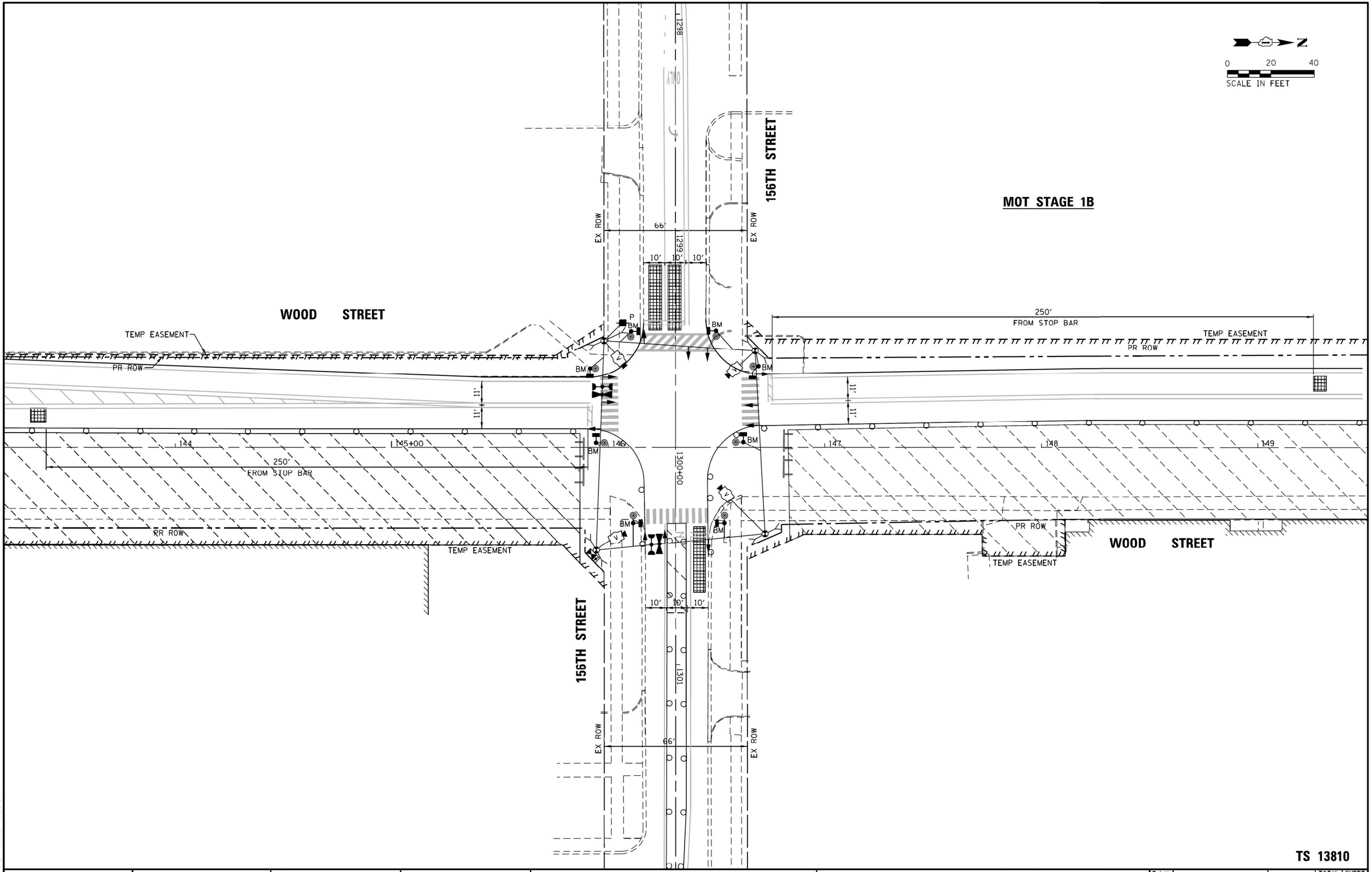
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-11a_MOT-Stage1a_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1A
WOOD STREET AND 156TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	334
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS 13810

TS SHT NO.25

PLAN	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED	
NO.	R/T. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	ROADS CHECKED	
NO.	BMK. NOTED	
	STRUCTURE NOTATNS. CHKD	

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

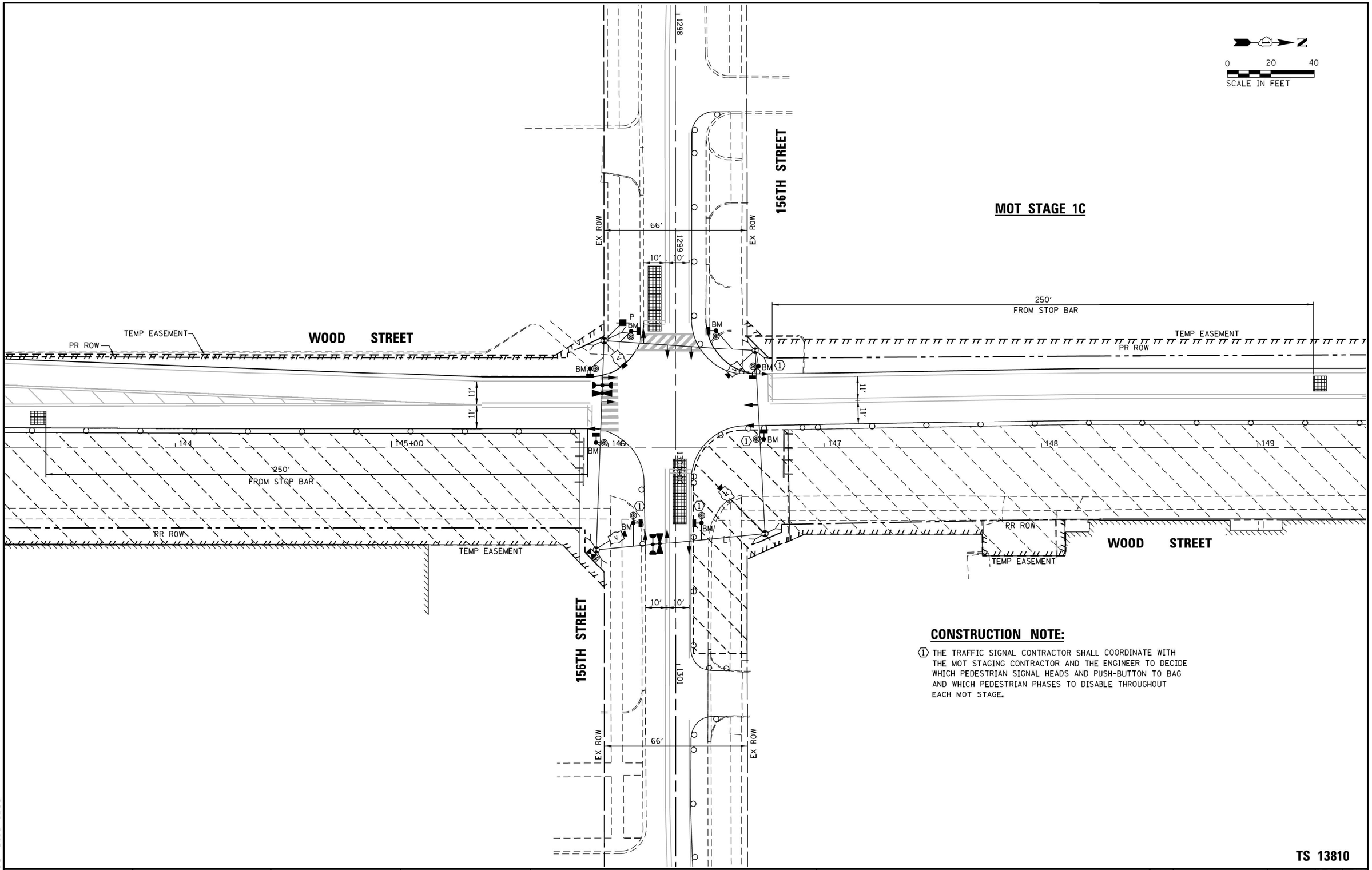
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-11a_MOT-Stage1b_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1B
WOOD STREET AND 156TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	335
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION NOTE:

1. THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE MOT STAGING CONTRACTOR AND THE ENGINEER TO DECIDE WHICH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTON TO BAG AND WHICH PEDESTRIAN PHASES TO DISABLE THROUGHOUT EACH MOT STAGE.

TS 13810

TS SHT NO. 26

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED | PLOTTED | ALIGNMENT CHECKED | R.T. OF WAY CHECKED | C-ADD FILE NAME | NOTE BOOK | NO.

PROFILE: SURVEYED | PLOTTED | PLOTTED CHECKED | BM& NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.

BY | DATE

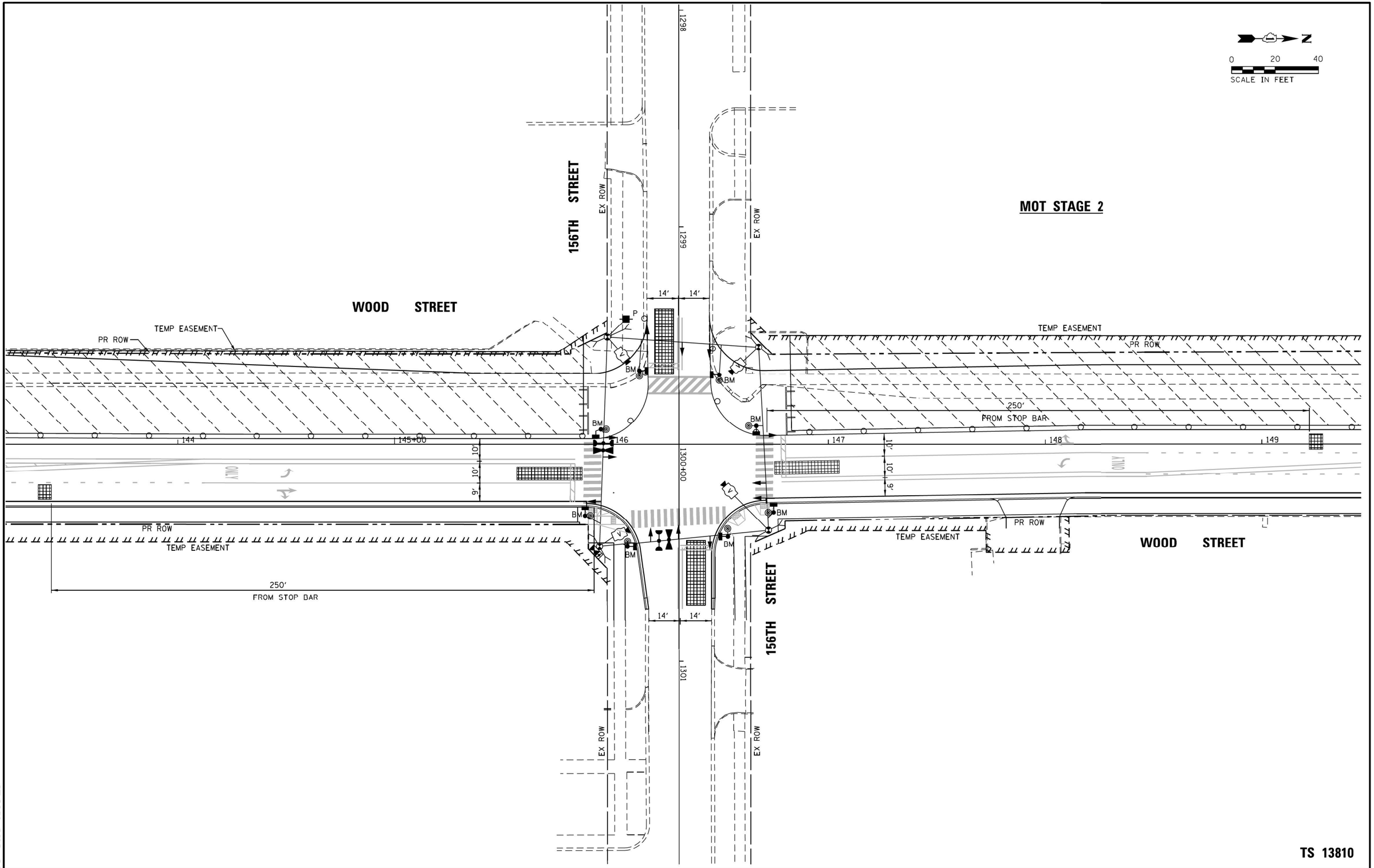
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-11a_MOT-Stage1c_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1C
WOOD STREET AND 156TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	336
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 27

TS 13810

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, PLOTTED CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.

PROFILE: SURVEYED, PLOTTED, PLOTTED CHECKED, BM NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.

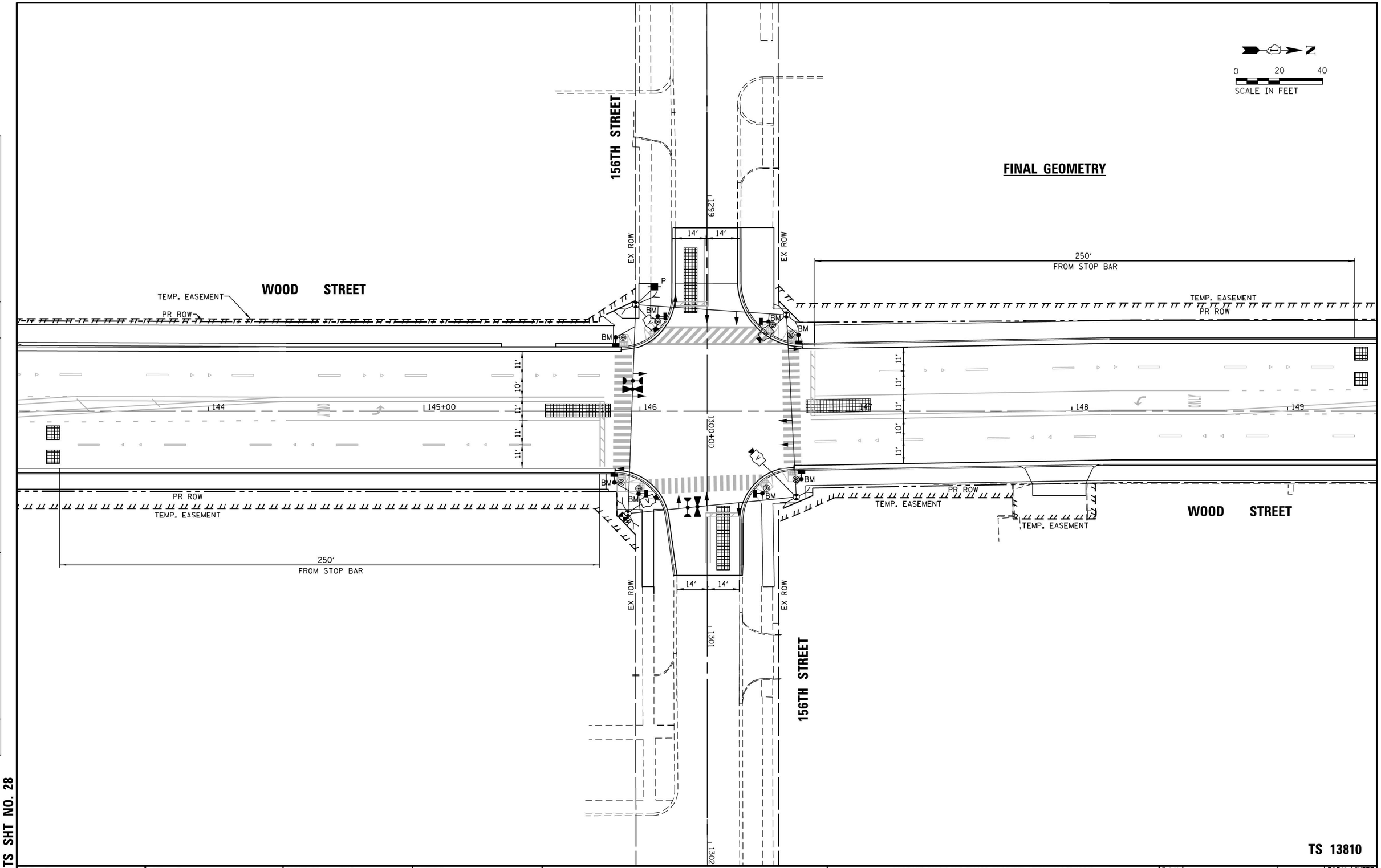
FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-11b_MOT-Stage2_156th.dgn	DRAWN - FPB	REVISED -	
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
WOOD STREET AND 156TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	337
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 28

TS 13810

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — SURVEYED — DATE — BY — ALIGNMENT CHECKED — RT. OF WAY CHECKED — C-ADD FILE NAME — NOTE BOOK — NO.

PROFILE — SURVEYED — DATE — PLANS CHECKED — B.M. NOTED — STRUCTURE NOTATNS CHKD — NOTE BOOK — NO.

FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-11c_MOT-Stage Final_156thdgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

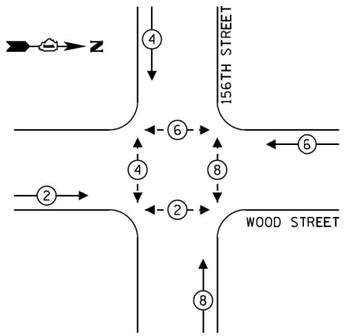
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
FINAL GEOMETRY
WOOD STREET AND 156TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	338
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

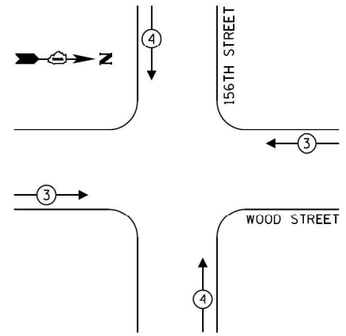
TEMPORARY CONTROLLER SEQUENCE

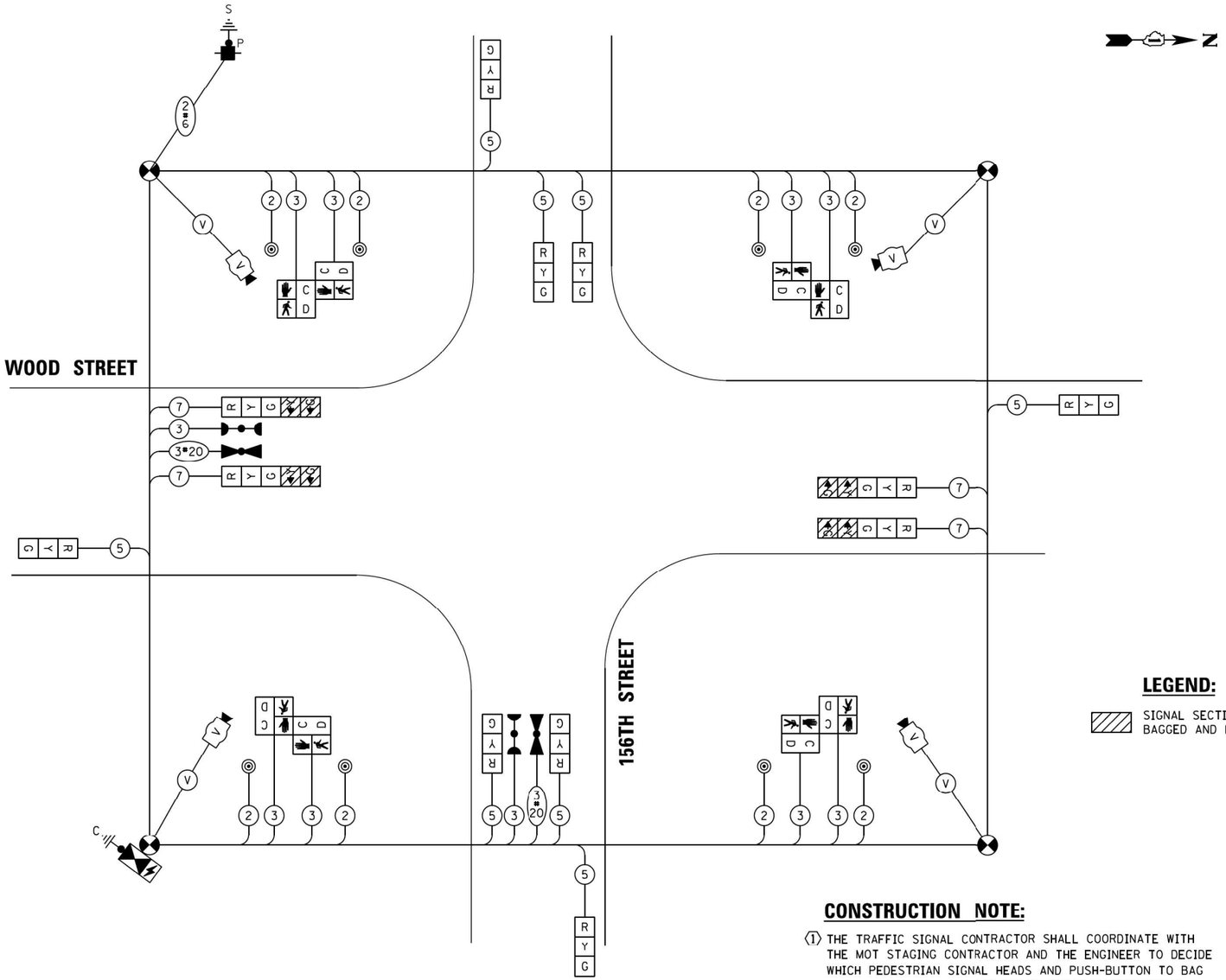


LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE





LEGEND:

SIGNAL SECTION BAGGED AND DISABLED

CONSTRUCTION NOTE:

(1) THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE MOT STAGING CONTRACTOR AND THE ENGINEER TO DECIDE WHICH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTON TO BAG AND WHICH PEDESTRIAN PHASES TO DISABLE THROUGHOUT EACH MOT STAGE.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	577.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

EXISTING GEOMETRY AND MOT STAGE 1, MOT STAGE 1A, MOT STAGE 1B, AND MOT STAGE 1C
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 13810

TS SHT NO. 29

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE | PLAN — SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NOTATING CHKD | NOTE BOOK | NO. ____ | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | BY | DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-11c_TCB_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

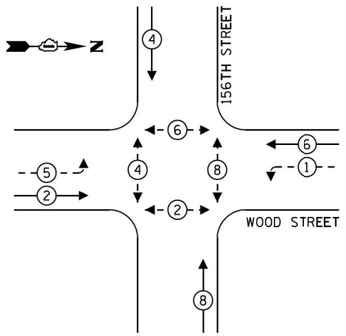
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM
WOOD STREET AND 156TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	339
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

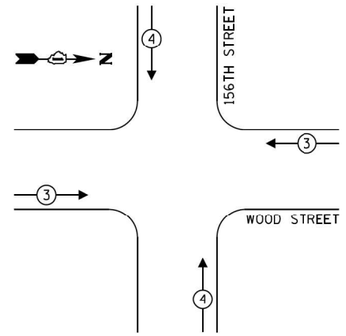
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



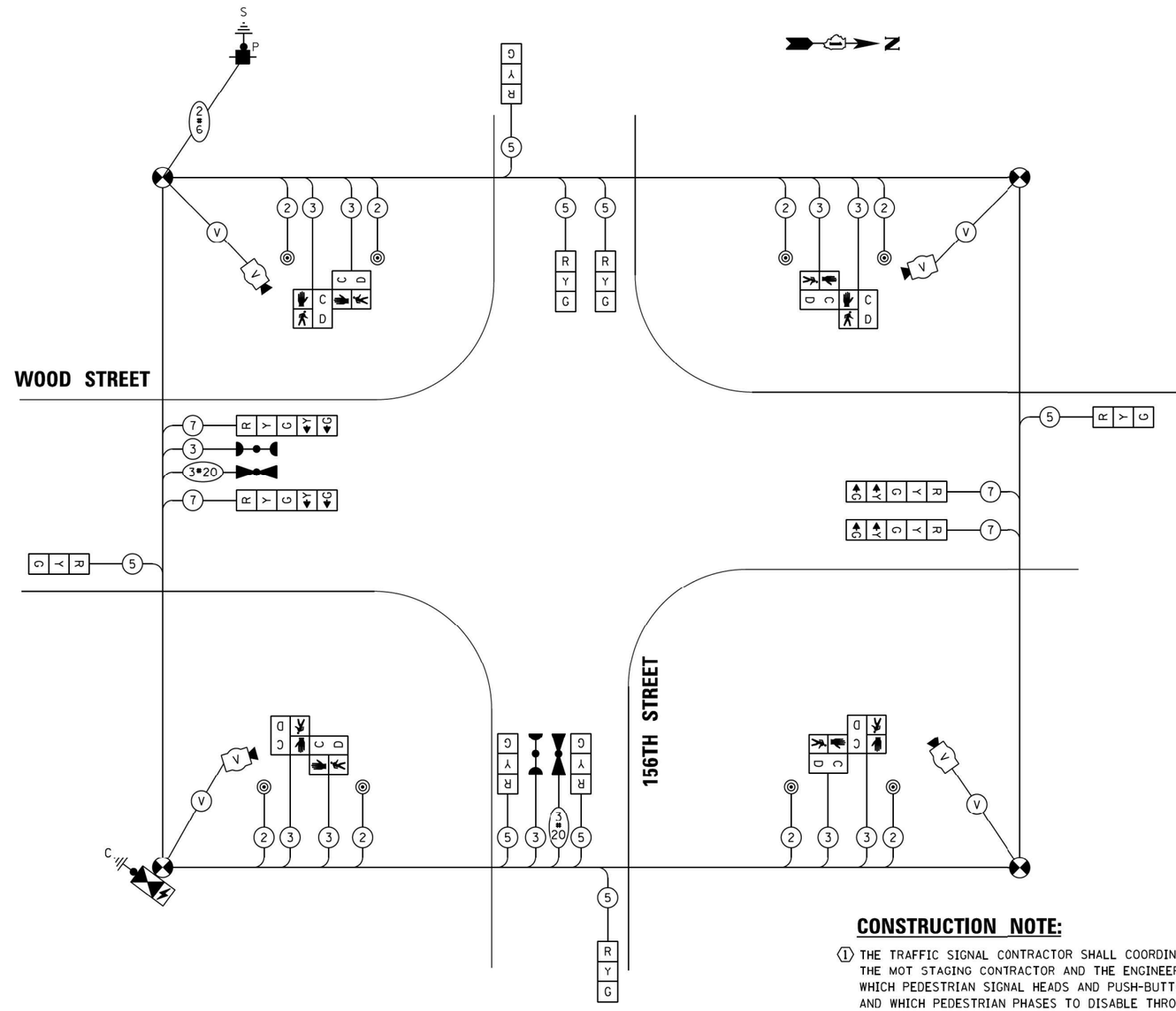
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	585.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---



MOT STAGE 2 AND FINAL GEOMETRY
TEMPORARY CABLE PLAN
(NOT TO SCALE)

CONSTRUCTION NOTE:

(1) THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE MOT STAGING CONTRACTOR AND THE ENGINEER TO DECIDE WHICH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTON TO BAG AND WHICH PEDESTRIAN PHASES TO DISABLE THROUGHOUT EACH MOT STAGE.

TS SHT NO. 30

TS 13810

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS\1ld_TCB-Stagng_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM WOOD STREET AND 156TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

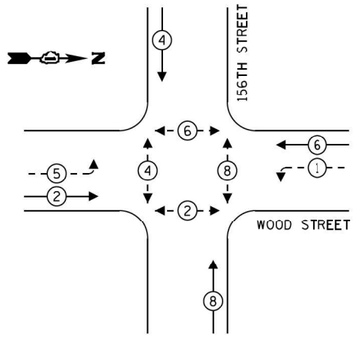
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	340
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

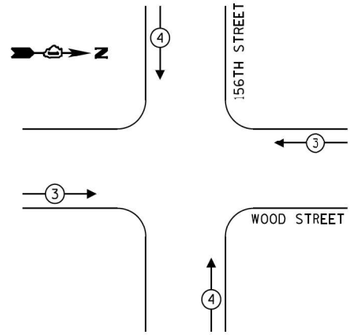
PLAN: SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NO.TAYNC CMWD | NOTE BOOK | NO. | BY | DATE | ALIGNMENT CHECKED | R.T. OF WAY CHECKED | CADD FILE NAME

PROFILE: SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NO.TAYNC CMWD | NOTE BOOK | NO. | BY | DATE

PROPOSED CONTROLLER SEQUENCE

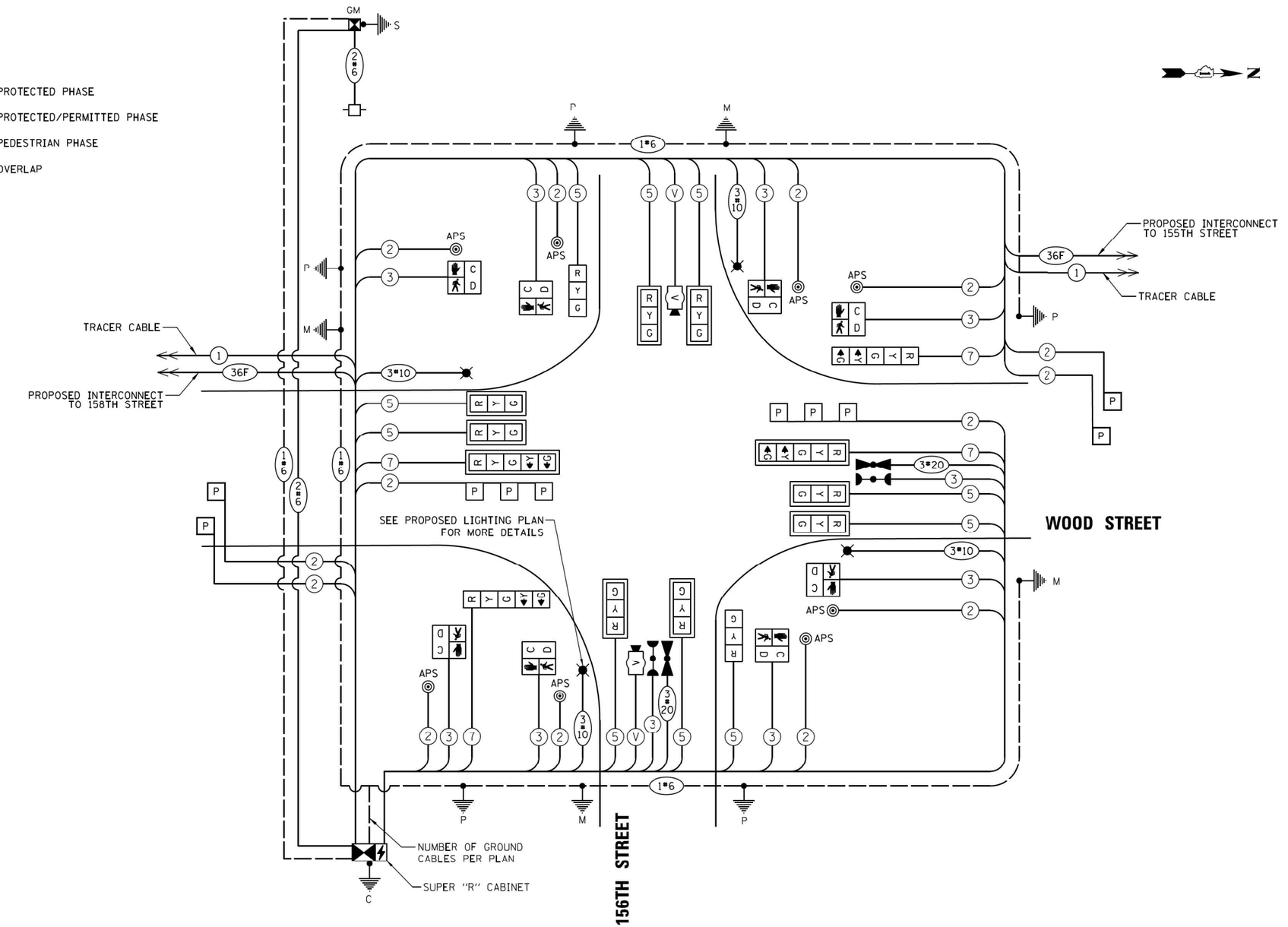


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	198	50	396.0
			TOTAL =	1005.6

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO.32

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

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PLAN — SURVEYED — PLOTTED — CHECKED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

TS 13810
EAGLE 3B

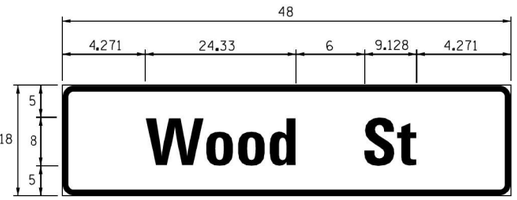
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS\11f_CAB1_156th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN AND PHASE DESIGNATION DIAGRAM WOOD STREET AND 156TH STREET
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -		
	PLOT DATE = 12/6/2022	CHECKED - GMZ	REVISED -		
		DATE -	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	341
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

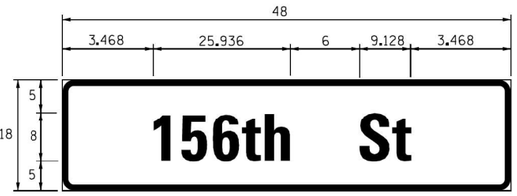
MAST ARM MOUNTED STREET NAME SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

SIGN PANEL – TYPE 1



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	24
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	840
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	72
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	397
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,106
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,411
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,656
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	682
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,828
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	169
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	963
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	2
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	6
	PREFORMED DETECTOR LOOP	FOOT	316
*	LIGHT DETECTOR	EACH	2
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	3
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	249
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100 % COST TO THE CITY OF HARVEY

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. ____ — SURVEYED — PLOTTED — CHECKED — ALIGN. CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. ____ — SURVEYED — PLOTTED — CHECKED — ELEV. NOTED — STRUCTURE NOTATIONS CHKD — BY — DATE

TS SHT NO. 33

TS 13810
EAGLE 3B

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS\llg_CAB2_156thdgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAMES SIGNS AND SCHEDULE OF QUANTITIES WOOD STREET AND 156TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	342
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVAL NOTES:

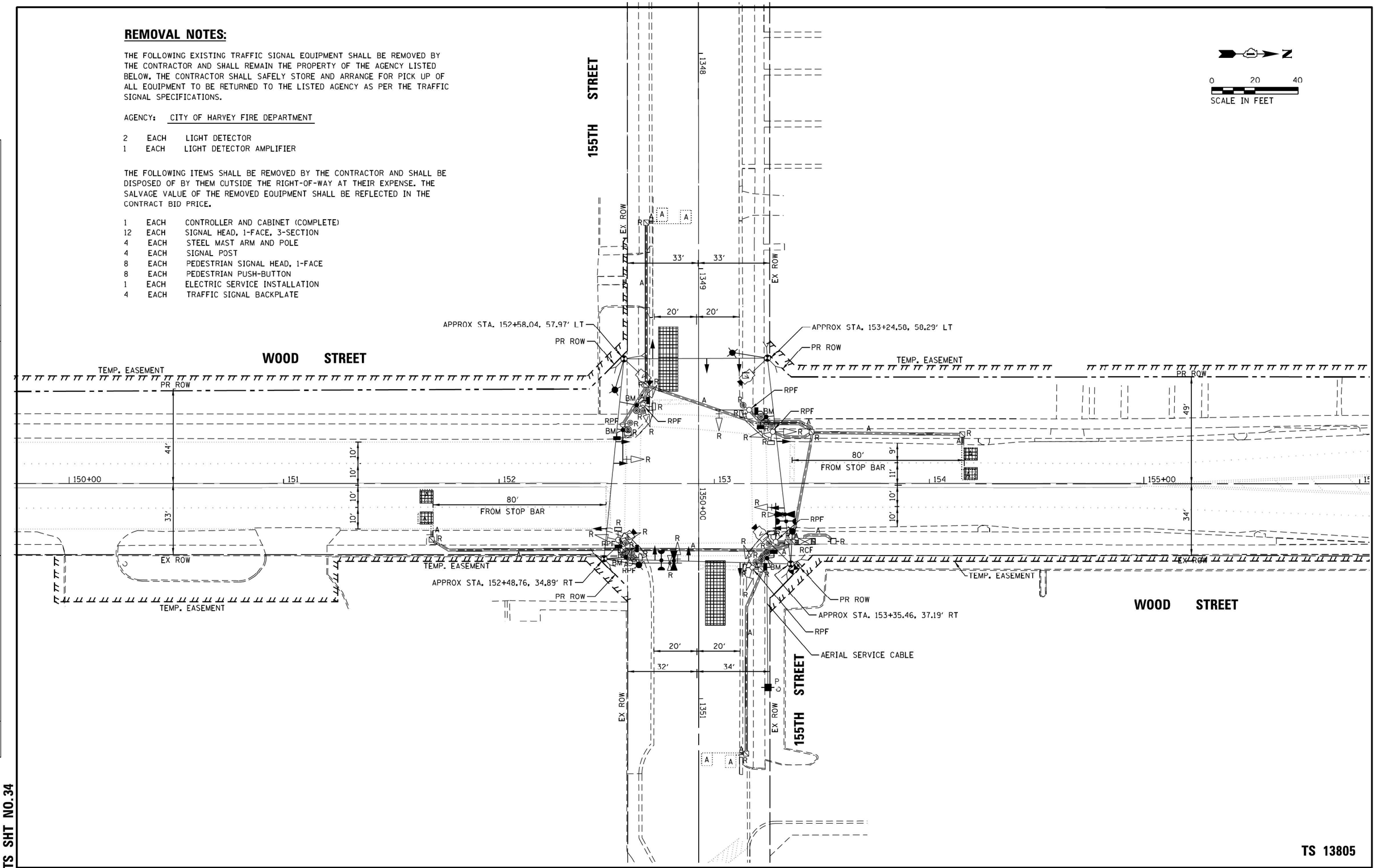
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF HARVEY FIRE DEPARTMENT

2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
12	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
4	EACH	STEEL MAST ARM AND POLE
4	EACH	SIGNAL POST
8	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	ELECTRIC SERVICE INSTALLATION
4	EACH	TRAFFIC SIGNAL BACKPLATE



TS 13805

TS SHT NO.34

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE — SURVEYED, DATE, PLOTTED, DATE, CHECKED, DATE, NOTE BOOK, NO., BY, DATE, ALIGNMENT CHECKED, R.O.W. CHECKED, CADD FILE NAME, BKM. NOTED, STRUCTURE NOTATIONS CHKD

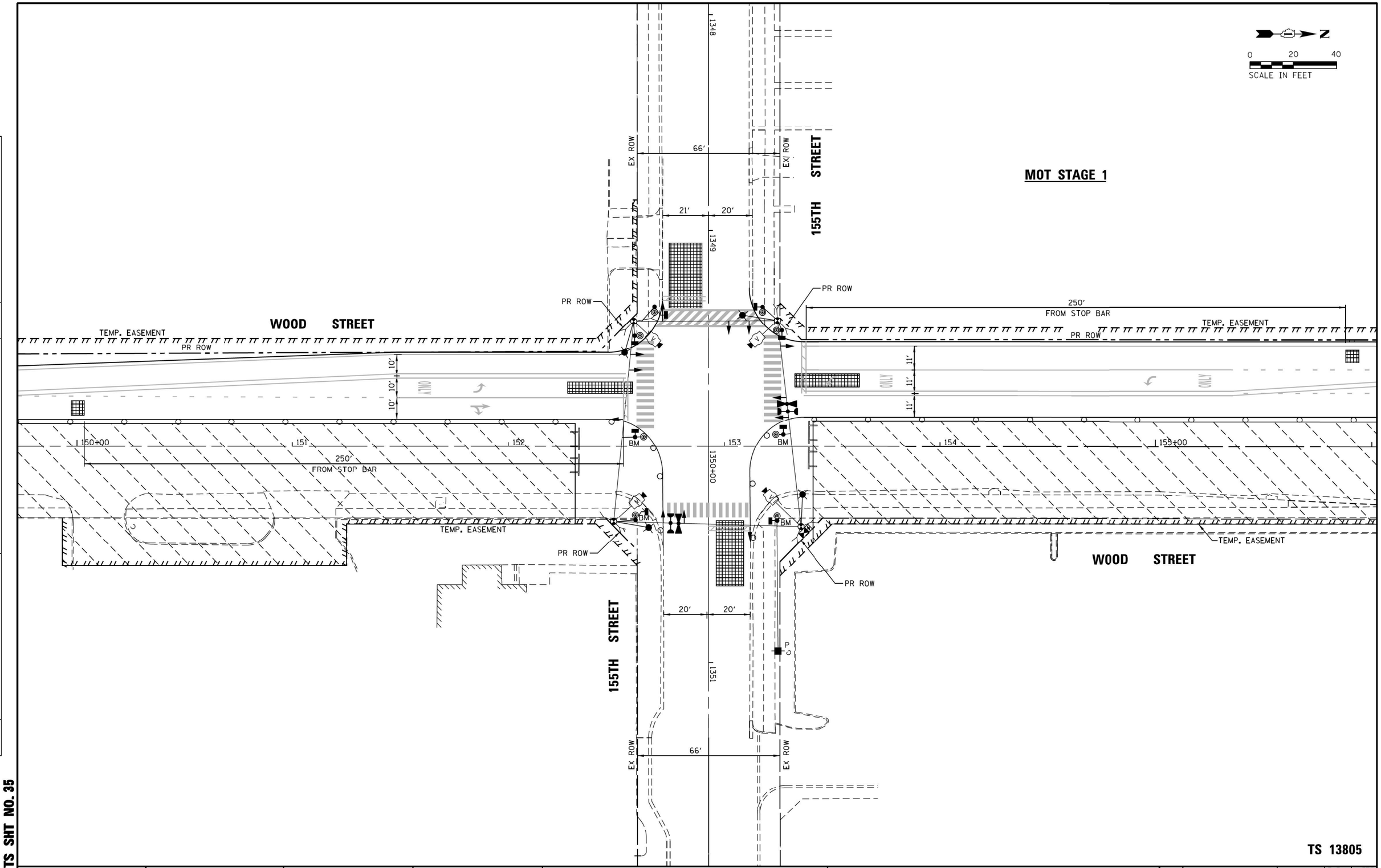
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12_TMP_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
WOOD STREET AND 155TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	343
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 35

PROFILE — SURVEYED / PLOTTED / CROSS SECTIONED / B.M. NOTED / STRUCTURE # NOTATNS CHKD — NOTE BOOK — NO.

PLAN — SURVEYED / PLOTTED / CROSS SECTIONED / B.M. NOTED / STRUCTURE # NOTATNS CHKD — NOTE BOOK — NO.

BY	DATE
SURVEYED	
PLOTTED	
CROSS SECTIONED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
P-400 FILE NAME	

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Rosemont, Illinois 60018
(847) 823-0500

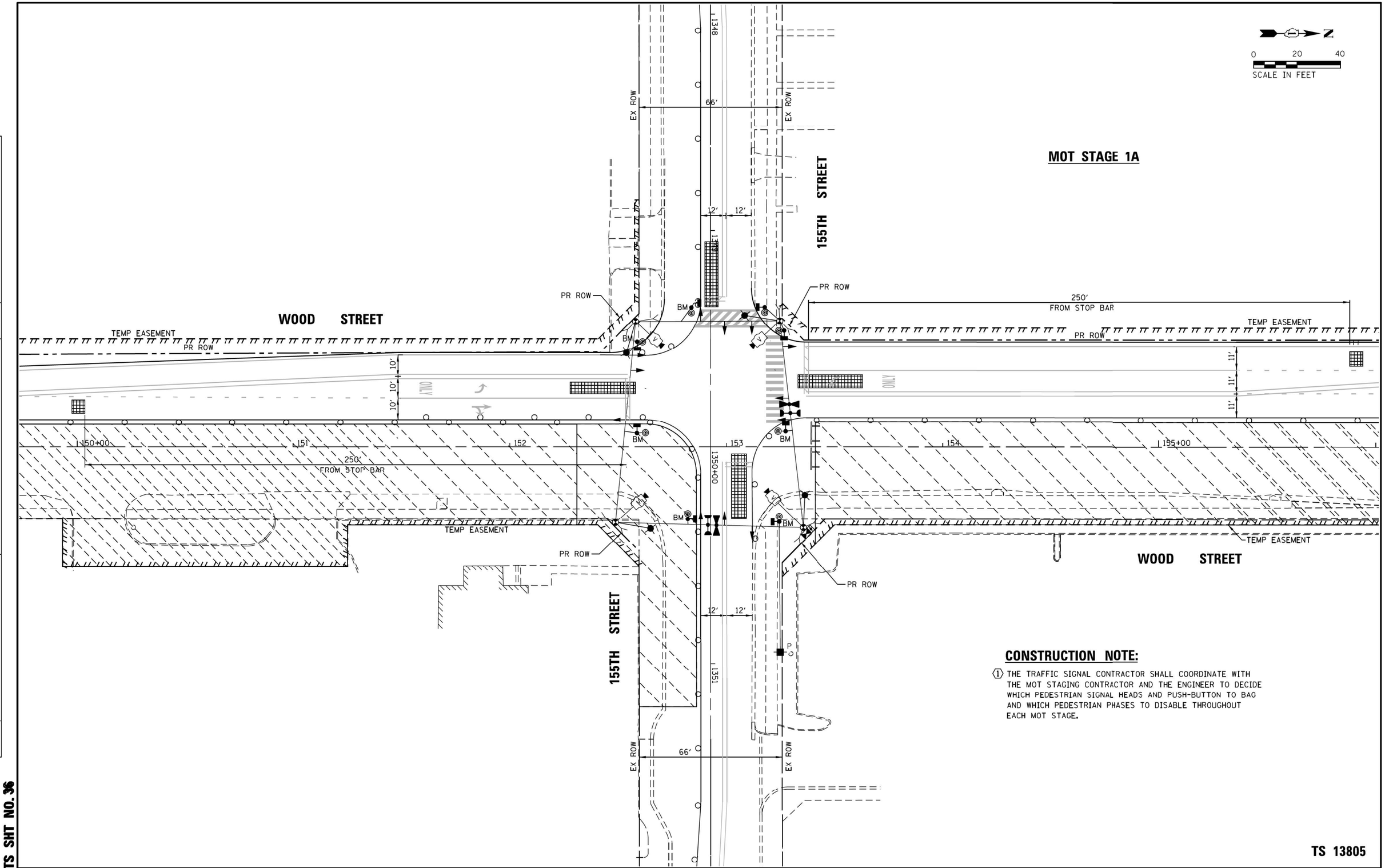
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12a_MOT-Stage1_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1
WOOD STREET AND 155TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	344
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS 13805

TS SHT NO. 36

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.

PROFILE: SURVEYED, PLOTTED, CHECKED, BM NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO.

BY | DATE

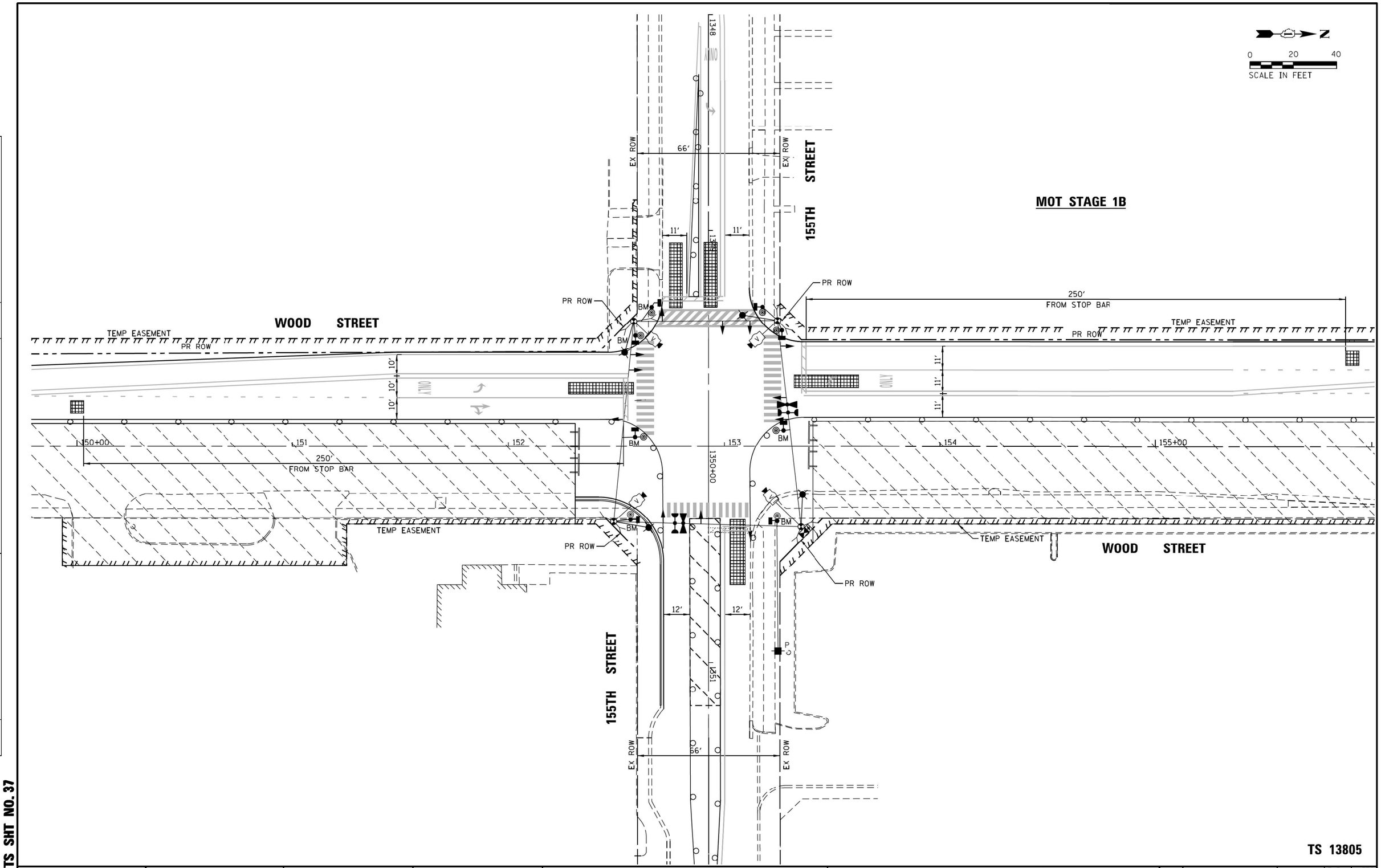
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12e_MOT-Stage1A_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1A
WOOD STREET AND 155TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	345
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 37

TS 13805

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	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1B
WOOD STREET AND 155TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	346
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
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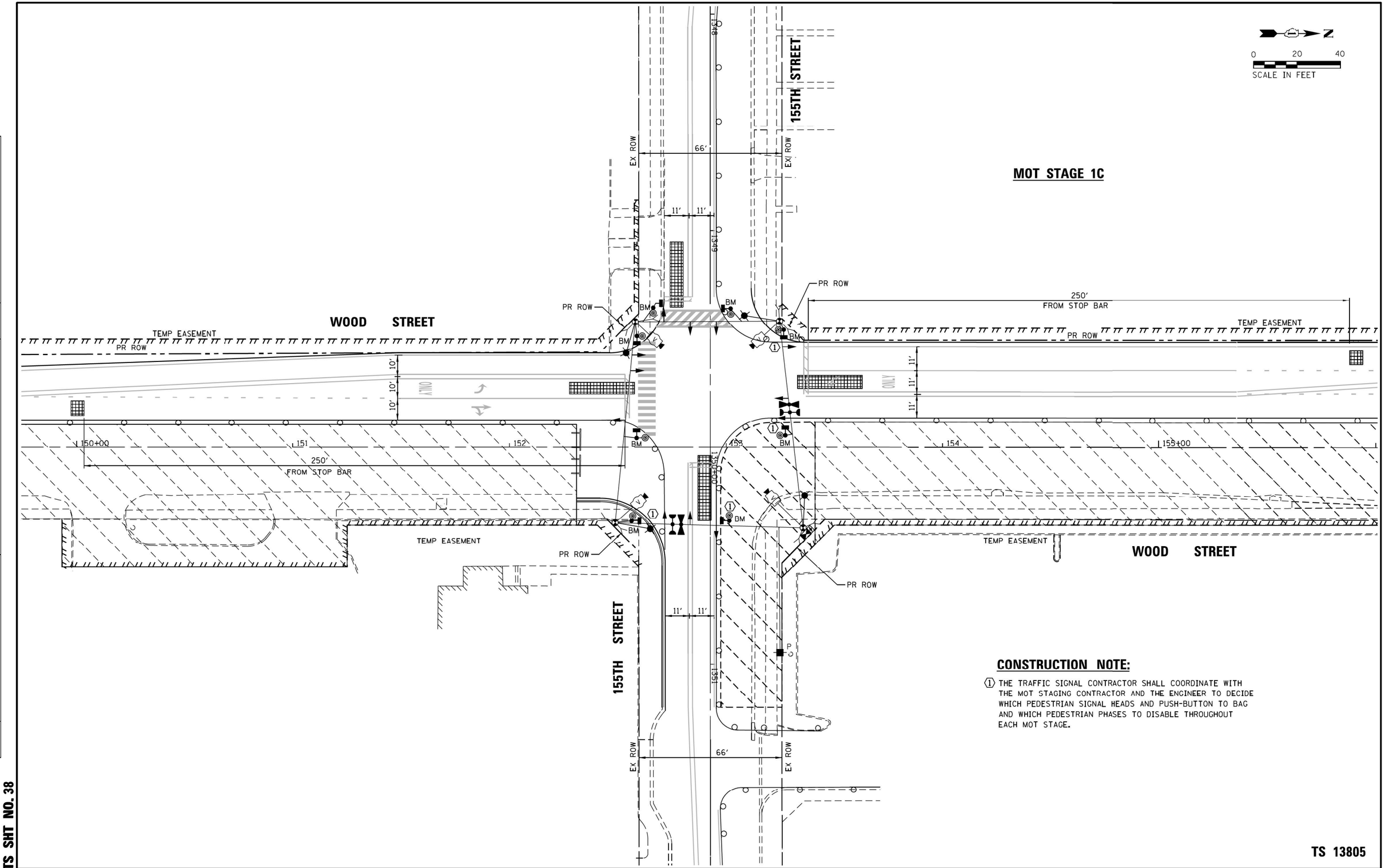
(847) 823-0500

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
DRAWN
CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
DRAWN
CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD
BY
DATE



TS 13805

TS SHT NO. 38

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, C-ADD FILE NAME, NOTE BOOK, NO.

PROFILE: SURVEYED, PLOTTED, CHECKED, NOTE BOOK, NO., BM. NOTED, STRUCTURE NOTATING: CW-D

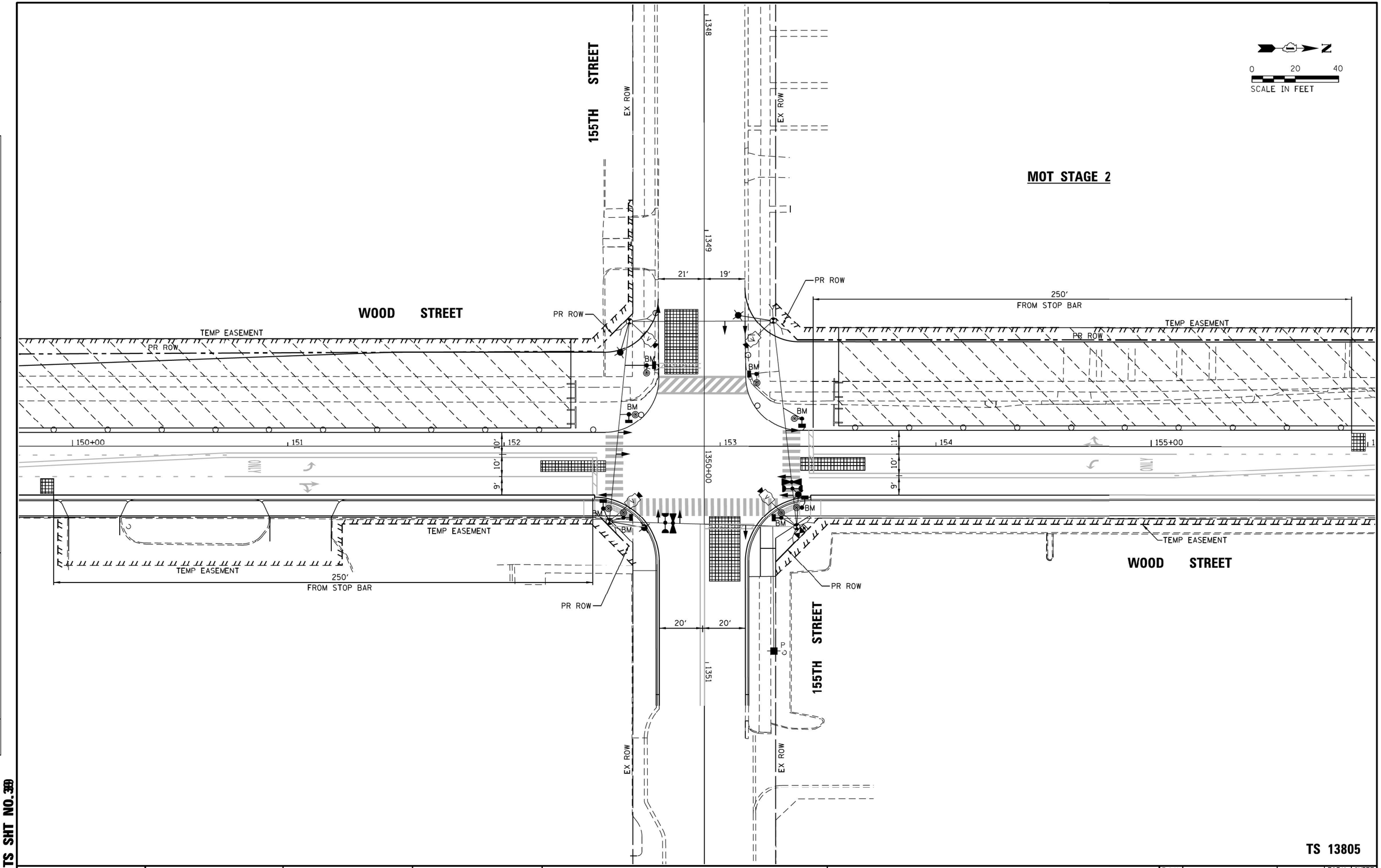
FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-12e_MOT-StageIC_155th.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1C
WOOD STREET AND 155TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	347
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN
SURVEYED
PLOTTED
PLOT CHECKED
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
PLOT CHECKED
NOTE BOOK
NO.

BY | DATE

ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

STRUCTURE NO.

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Rosemont, Illinois 60018
(847) 823-0500

TS SHT NO. 3 of 9

TS 13805

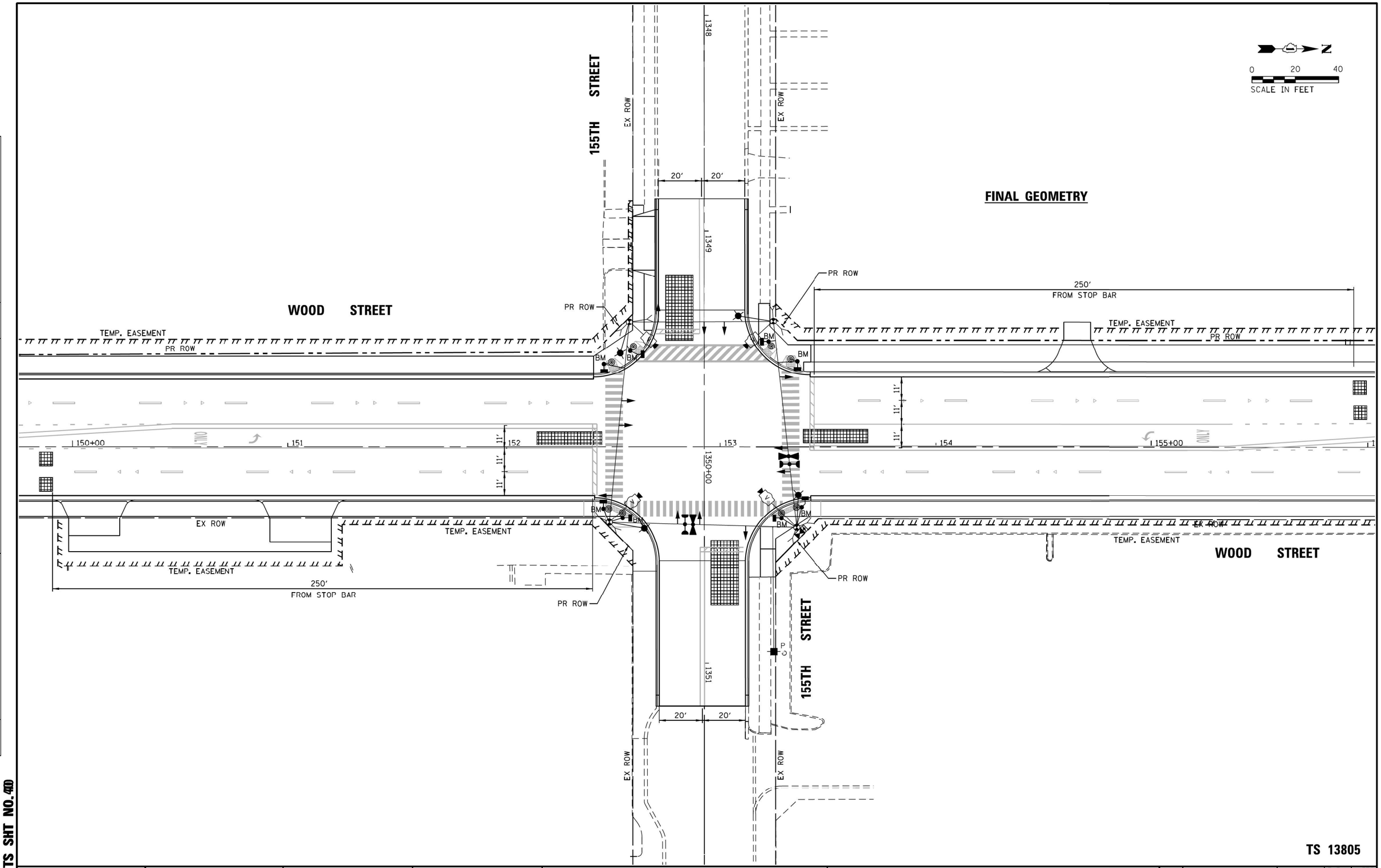
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS12b_MOT-Stage2_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
WOOD STREET AND 155TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	348
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS SHT NO. 40

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — SURVEYED / PLOTTED / DRAWN / ALIGNMENT CHECKED / R.O.W. CHECKED / CADD FILE NAME / NOTE BOOK / NO. ____ — BY / DATE

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / BM. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. ____ — BY / DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12c_MOT-Stage Final_155thdgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

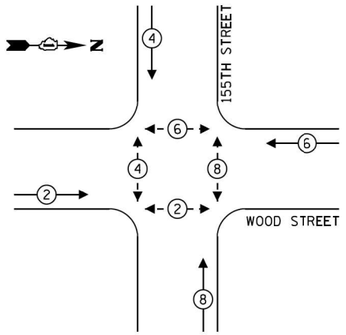
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
FINAL GEOMETRY
WOOD STREET AND 155TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	349
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

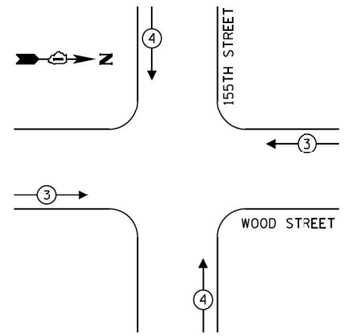
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

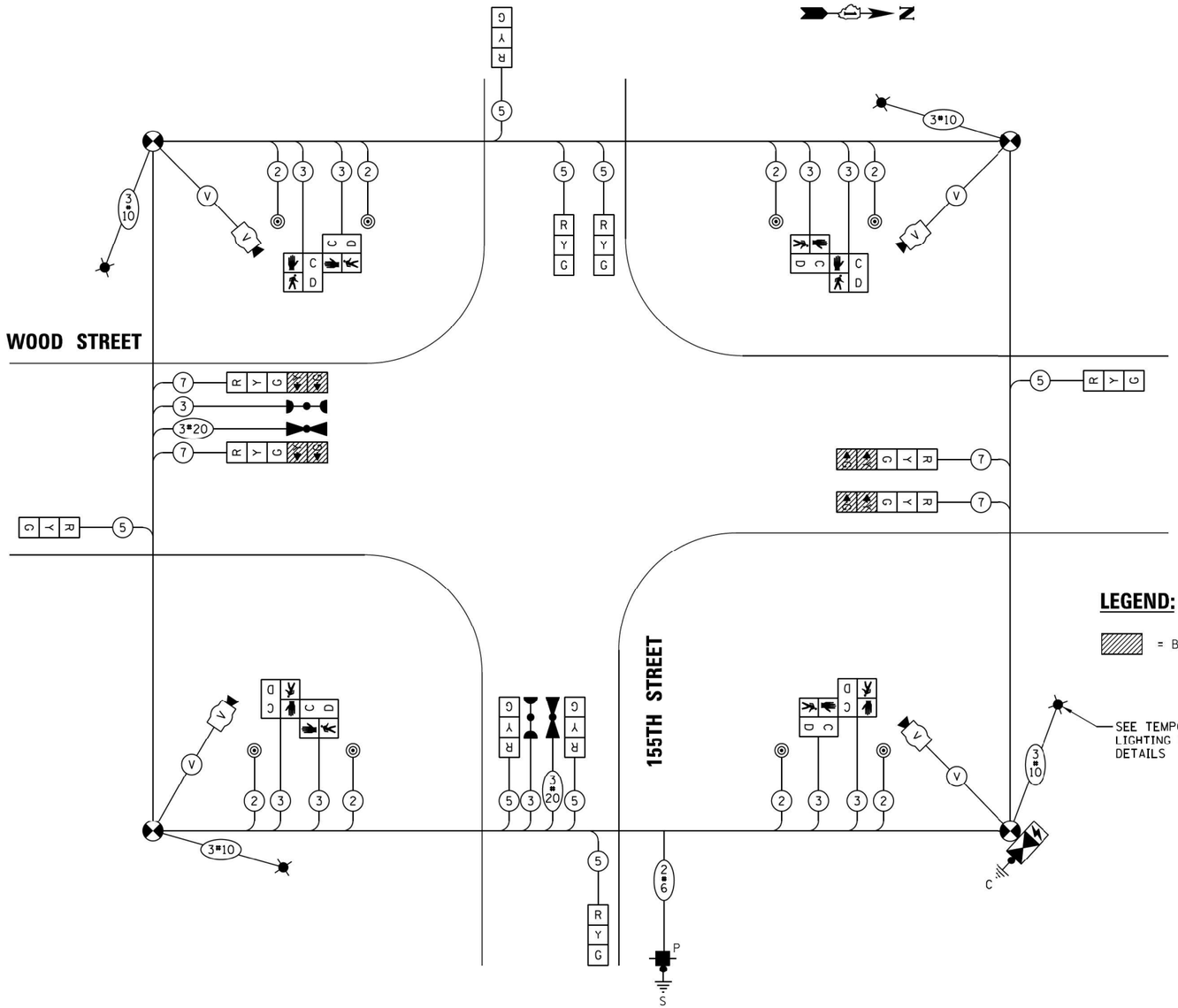
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	198	50	396.0
			TOTAL =	973.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO. 4



EXISTING GEOMETRY TEMPORARY CABLE PLAN

(NOT TO SCALE)

TS 13805

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED — DATE; PLOTTED; CHECKED; BLUE LINE; BLK. NOTED; STRUCTURE NOTATIONS CHKD; NOTE BOOK; NO.

PLAN — SURVEYED — DATE; PLOTTED; CHECKED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO.

BY — DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12c_TCB_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

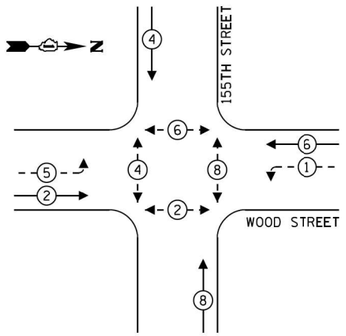
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOOD STREET AND 155TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	350
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

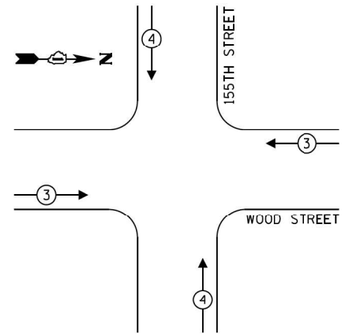
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



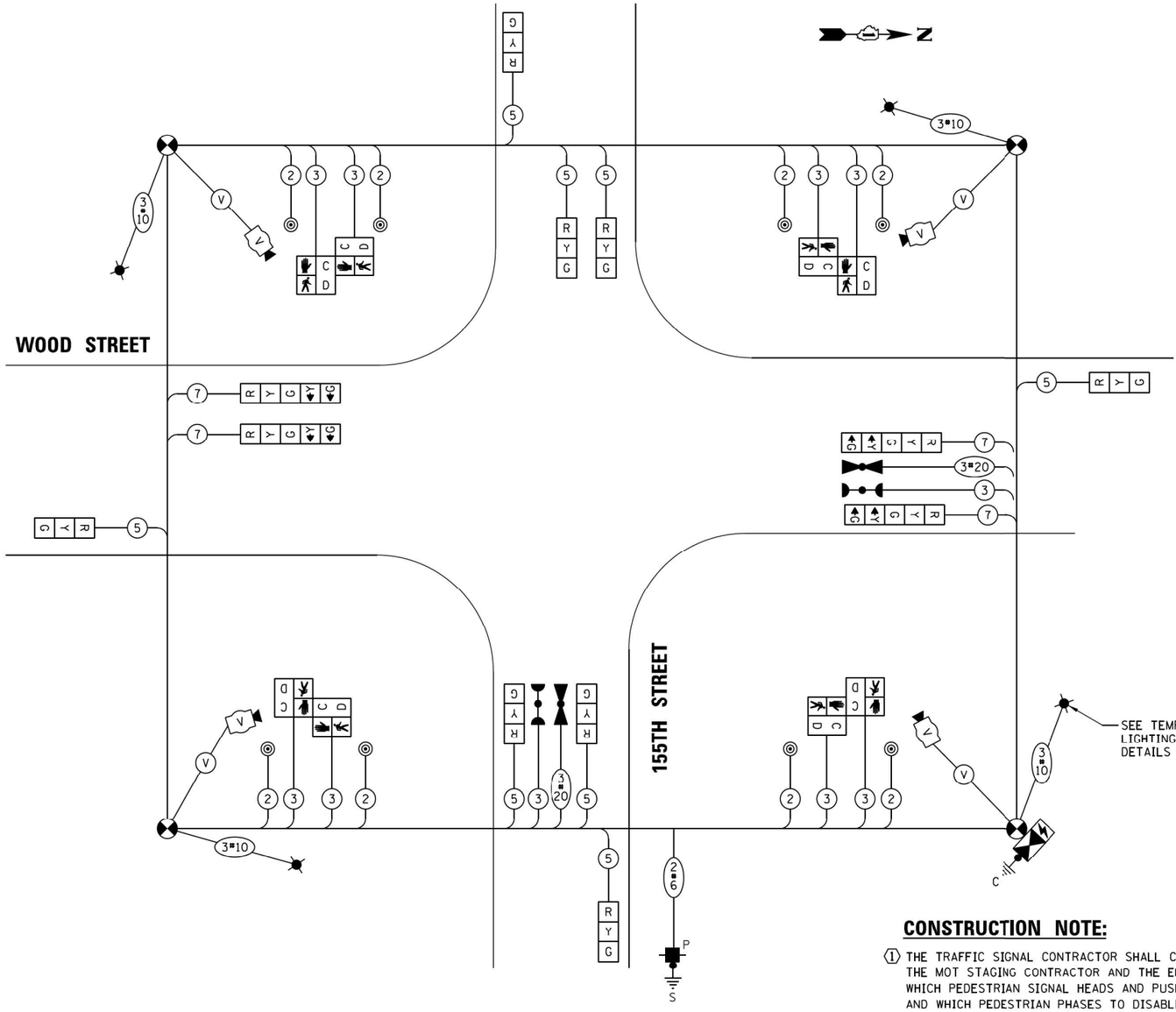
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	198	50	396.0
			TOTAL =	981.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---



CONSTRUCTION NOTE:

(1) THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE WITH THE MOT STAGING CONTRACTOR AND THE ENGINEER TO DECIDE WHICH PEDESTRIAN SIGNAL HEADS AND PUSH-BUTTON TO BAG AND WHICH PEDESTRIAN PHASES TO DISABLE THROUGHOUT EACH MOT STAGE.

MOT STAGE 1, MOT STAGE 1A, MOT STAGE 1B, MOT STAGE 1C, MOT STAGE 2, MOT STAGE 3, AND FINAL GEOMETRY TEMPORARY CABLE PLAN

(NOT TO SCALE)

TS 13805

TS SHT NO. 42

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE: SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NO.&TYP.NG CHKD | NOTE BOOK | NO. | BY | DATE

PLAN: SURVEYED | PLOTTED | DRAWN | CHECKED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12d_TCB-Staging_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM WOOD STREET AND 155TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	351
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

1. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

0 10 20 40
SCALE: 1" = 40'

155TH STREET

WOOD STREET

EX ROW 33' 33' EX ROW

PROPOSED INTERCONNECT TO 156TH STREET (SEE INTERCONNECT PLAN)

PROPOSED INTERCONNECT TO 154TH STREET (SEE INTERCONNECT PLAN)

77'-UC 4"
16' POST APPROX. STA. 152+62.07, 49.33' LT
9'-UC 3"
10'-UC 4"
36' COMB. M.A. (WITH LUMINAIRE) - 36" DIA. FND. (11' DEPTH) APPROX. STA. 152+48.13, 44.5' LT
36' COMB. M.A. (WITH LUMINAIRE) - 36" DIA. FND. (11' DEPTH) APPROX. STA. 153+26.32, 52.51' LT
5'-UC 4"
12'-UC 3"
16' POST APPROX. STA. 153+35.72, 40.14' LT
267'-UC 2"
PR ROW
APS
101'-UC (2) 4"
62'-UC 2"
52'-UC 2"
14'-UC 3"
278'-UC 2"
16' POST APPROX. STA. 152+42.5, 32.0' RT
19'-UC 3"
40' COMB. M.A. (WITH LUMINAIRE) - 36" DIA. FND. (13' DEPTH) APPROX. STA. 152+53.07, 37.42' RT
58'-UC 4"
7'-UC 4"
43'-UC 2"
8'-UC 2"
36' COMB. M.A. (WITH LUMINAIRE) - 36" DIA. FND. (11' DEPTH) APPROX. STA. 153+38.87, 34.48' RT
26'-UC 4"
16' POST APPROX. STA. 153+27.06, 38.79' RT
SPARE 4"-5' CONDUIT WITH THREADED CAP
SUPER "R" CABINET
11'-UC (4) 4"
GM
150+00 151 152 153 154 155+00 1350+00 1351
1348 1349
250' 250'
44' 22.5' 34' 50'
21' 19' 14' 20' 18' 20' 21' 19'

TS SHT NO. 43

TS 13805
EAGLE 3B

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12e_TSD_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
WOOD STREET AND 155TH STREET

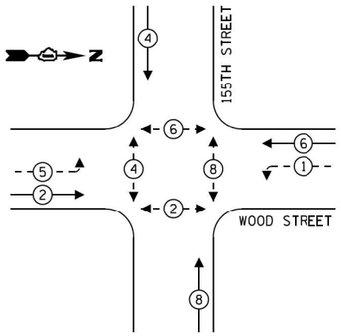
SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	352
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

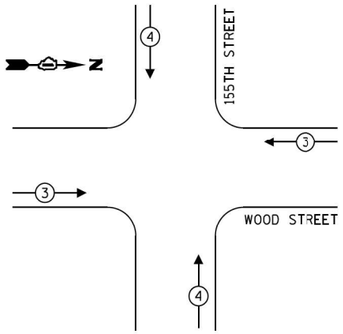
CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, DRAWN, CHECKED, NOTE BOOK, NO.
PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, B.M. NOTED, NOTE BOOK, NO.
BY, DATE, QUANTITY CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, STRUCTURE NOTATIONS CHKD

PROPOSED CONTROLLER SEQUENCE

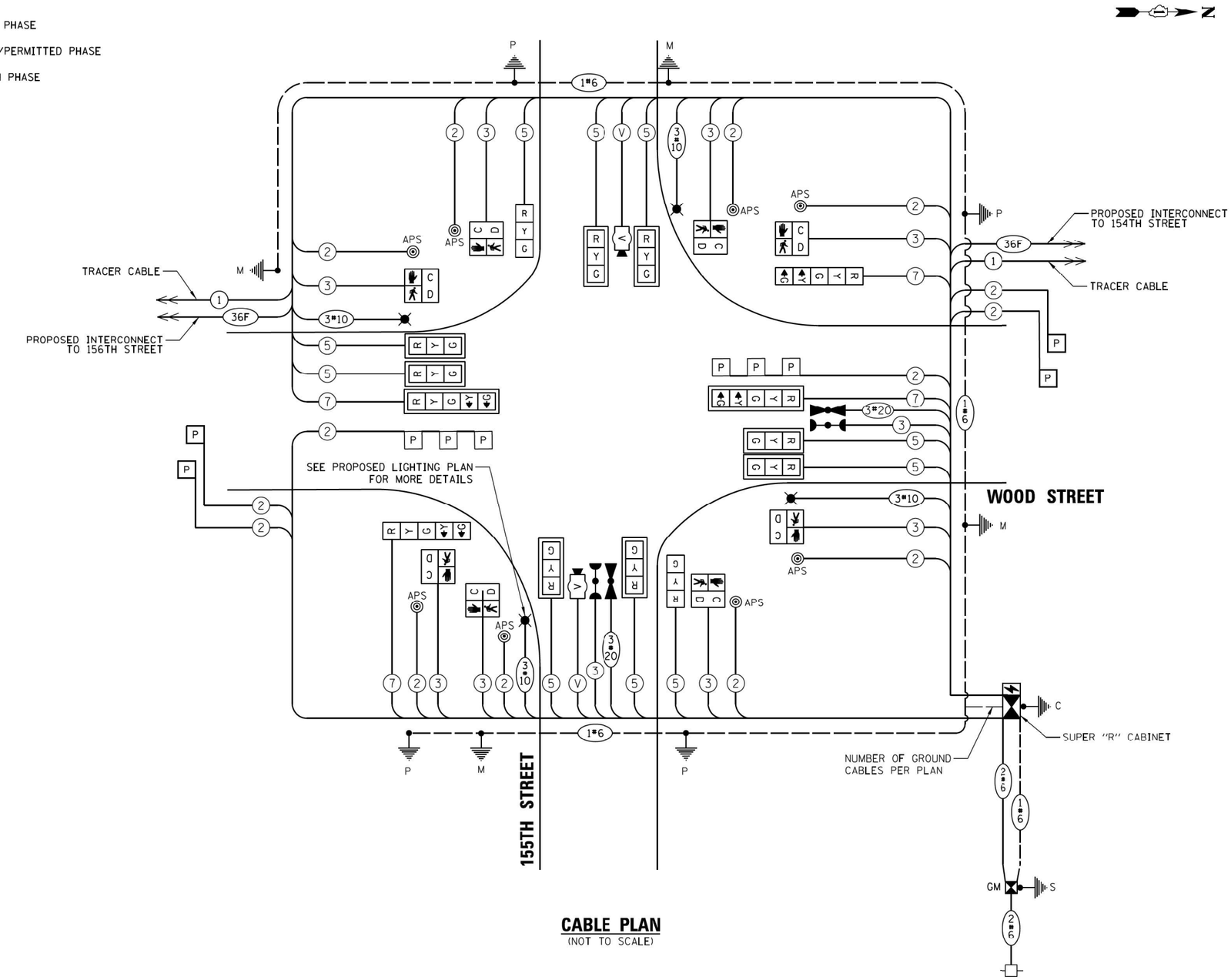


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	198	50	396.0
			TOTAL =	1005.6

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO.44

TS 13805
EAGLE 3B

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / B.M. NOTED / STRUCTURE NO(FAI/RT) CHKD / NOTE BOOK / NO.

PLAN — SURVEYED / PLOTTED / DRAWN / CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / C-ADD FILE NAME / NOTE BOOK / NO.

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS12f_CAB1_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOOD STREET AND 155TH STREET

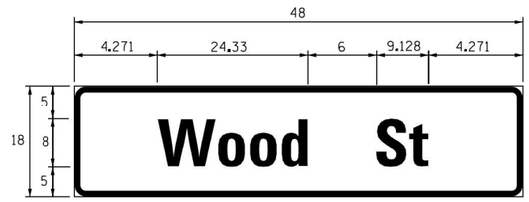
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	353
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

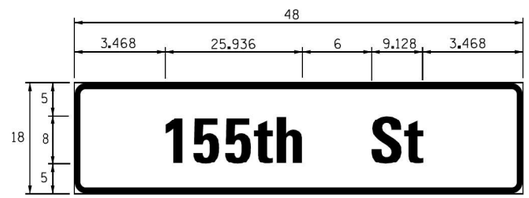
MAST ARM MOUNTED STREET NAME SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

SIGN PANEL – TYPE 1



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	24
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	710
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	54
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	434
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,178
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,497
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,780
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	715
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,842
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	92
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	850
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	3
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	6
	PREFORMED DETECTOR LOOP	FOOT	322
*	LIGHT DETECTOR	EACH	2
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	8
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	263
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
	VIDEO DETECTION SYSTEM, SINGLE APPROACH	EACH	2

* 100% COST TO THE CITY OF HARVEY

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. ____ — SURVEYED — PLOTTED — PLANS CHECKED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CABD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. ____ — SURVEYED — PLOTTED — PLANS CHECKED — BAR. NOTED — STRUCTURE NOTATIONS CHKD — BY — DATE

TS SHT NO. 45

TS 13805
EAGLE 3B

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-12g_CAB2_155th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -
	PLOT DATE = 12/6/2022	CHECKED - GMZ	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAMES SIGNS AND SCHEDULE OF QUANTITIES WOOD STREET AND 155TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	354
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVAL NOTES:

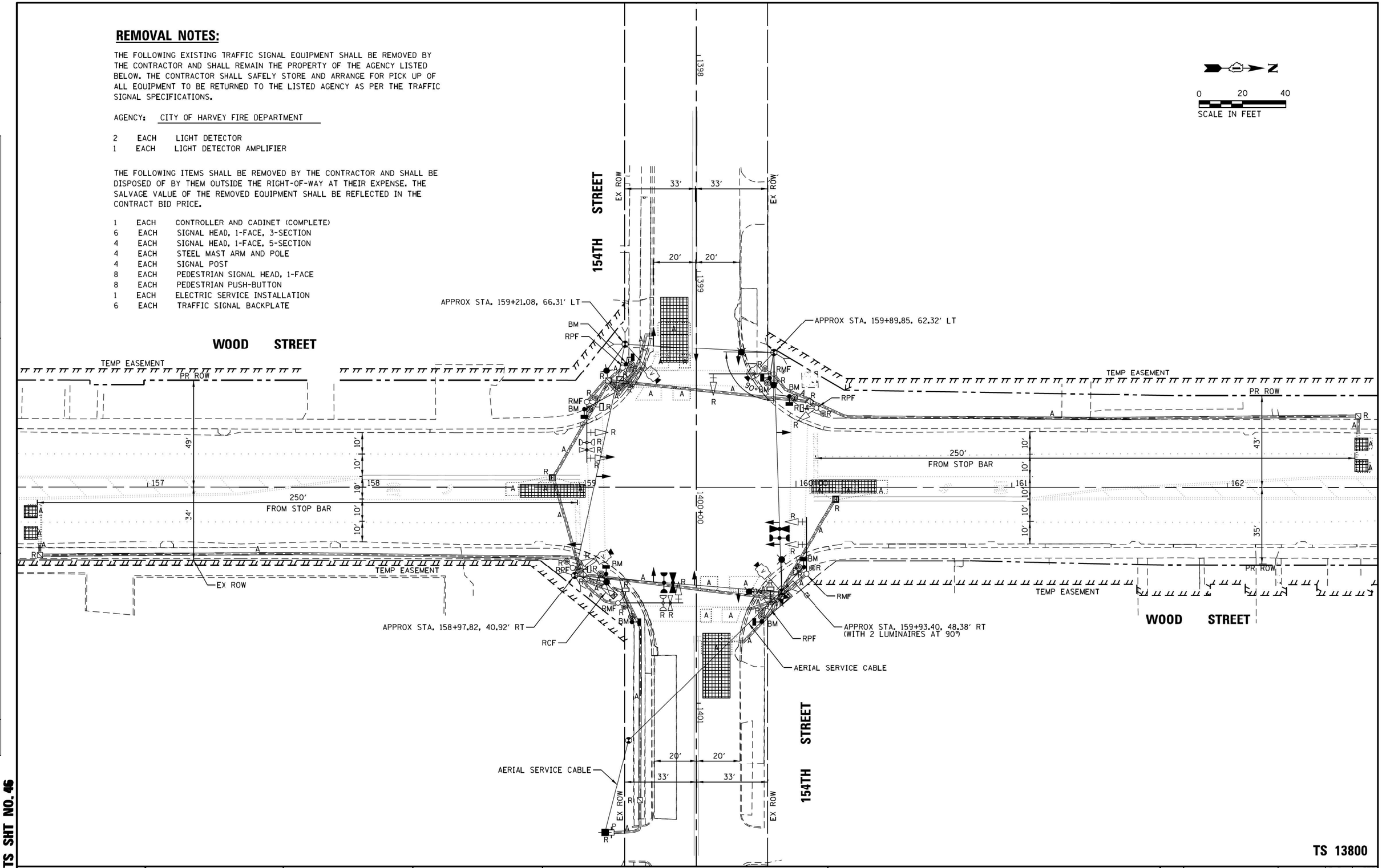
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF HARVEY FIRE DEPARTMENT

2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
6	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
4	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
4	EACH	STEEL MAST ARM AND POLE
4	EACH	SIGNAL POST
8	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	ELECTRIC SERVICE INSTALLATION
6	EACH	TRAFFIC SIGNAL BACKPLATE



TS SHT NO. 46

TS 13800

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-13_TMP_154th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

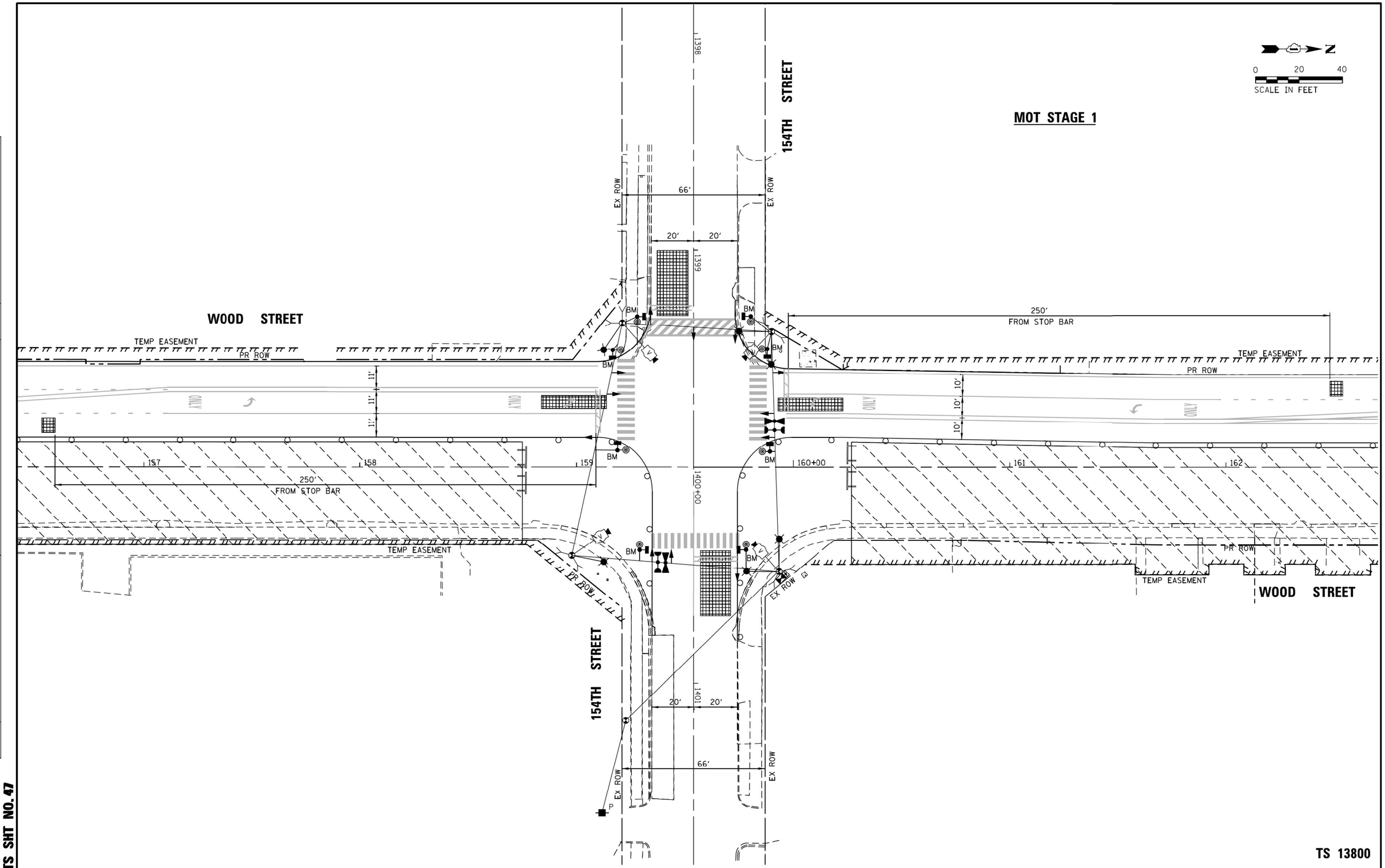
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN
WOOD STREET AND 154TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	355
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE
SURVEYED
PLOTTED
PLANS CHECKED
NOTE BOOK
NO.
QUANTITY CHECKED
ALIGNMENT CHECKED
R.O.W. CHECKED
P.E. FILE NAME
STRUCTURE NOTATING CHKD
BM
DATE



TS SHT NO. 47

TS 13800

PLAN
BY | DATE
SURVEYED
PLOTTED
CROSS CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
C-ADD FILE NAME
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
CROSS CHECKED
B.M. NOTED
STRUCTURE NOTATNG CHKD
NOTE BOOK
NO.

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3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

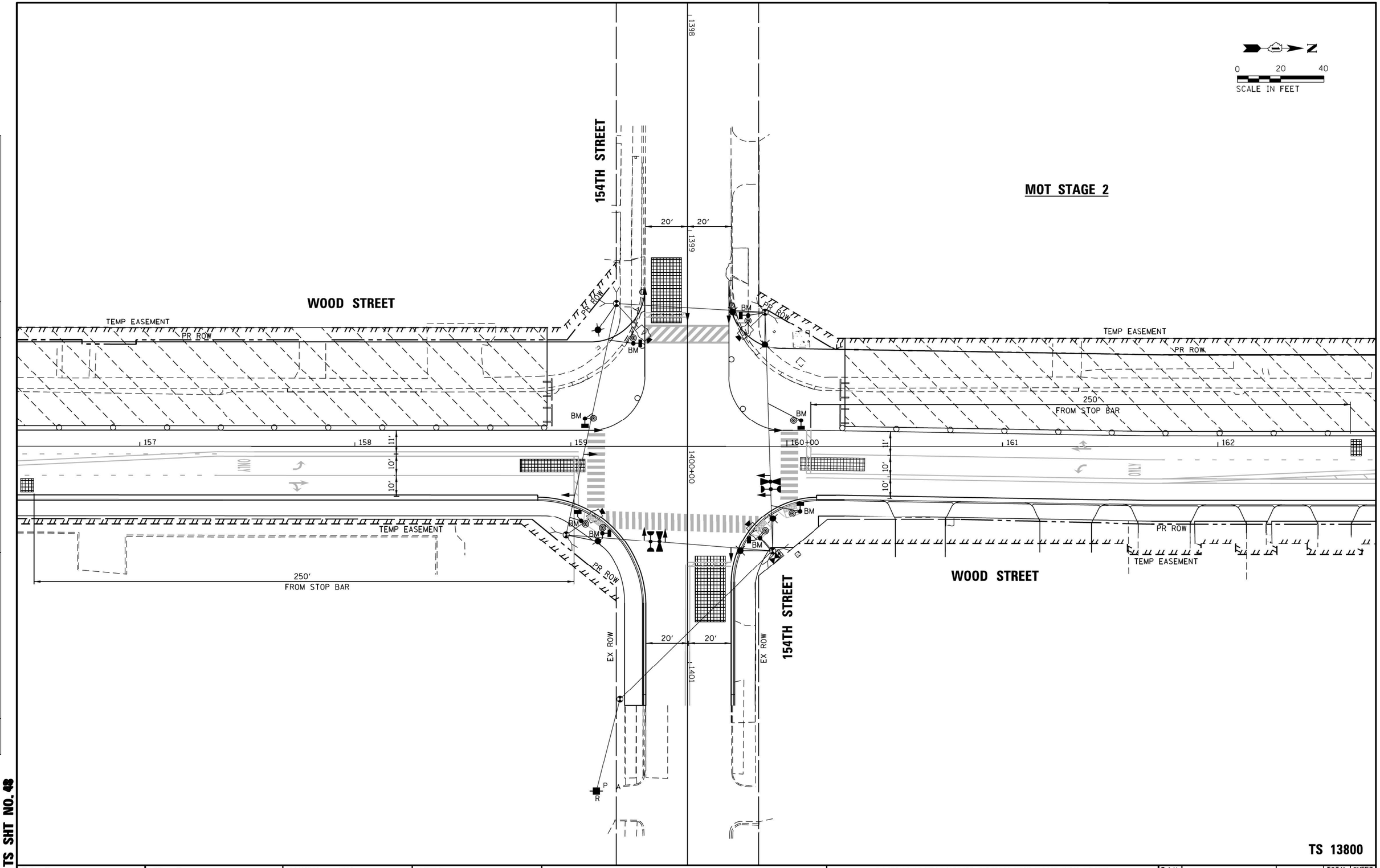
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-13a_MOT-Stagel_154th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
MOT STAGE 1
WOOD STREET AND 154TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	356
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TS 13800

TS SHT NO. 48

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — DRAWN — CHECKED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — DRAWN — CHECKED — B.M. NOTED — STRUCTURE NOTATIONS CHKED — BY — DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS13b_MOT-Stage2_154th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
MOT STAGE 2
WOOD STREET AND 154TH STREET

SCALE: = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	357
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
CROSS SECTIONED
B.M. NOTED
STRUCTURE NOTATING CMWD
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
CROSS SECTIONED
B.M. NOTED
STRUCTURE NOTATING CMWD
BY
DATE

TS SHT NO. 49

FINAL GEOMETRY

N

0 20 40
SCALE IN FEET

WOOD STREET

154TH STREET

EX ROW

TEMP. EASEMENT

PR ROW

20′ 20′

1399

1400+00

1401

1402

250′
FROM STOP BAR

157 158 159 160+00 161 162

11′ 11′ 11′ 11′ 11′

BM

P
R

TS 13800

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-13c_MOT-Stage Final_154thdgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

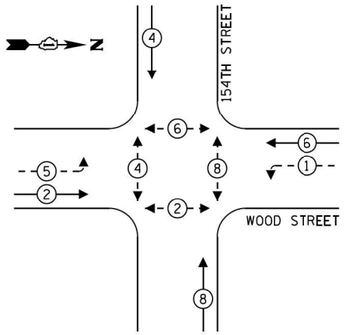
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
FINAL GEOMETRY
WOOD STREET AND 154TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	358
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

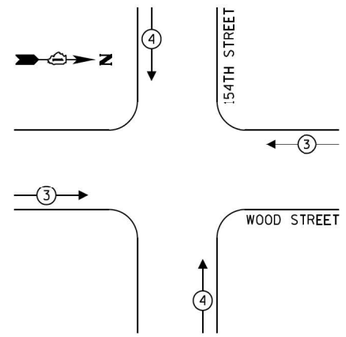
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



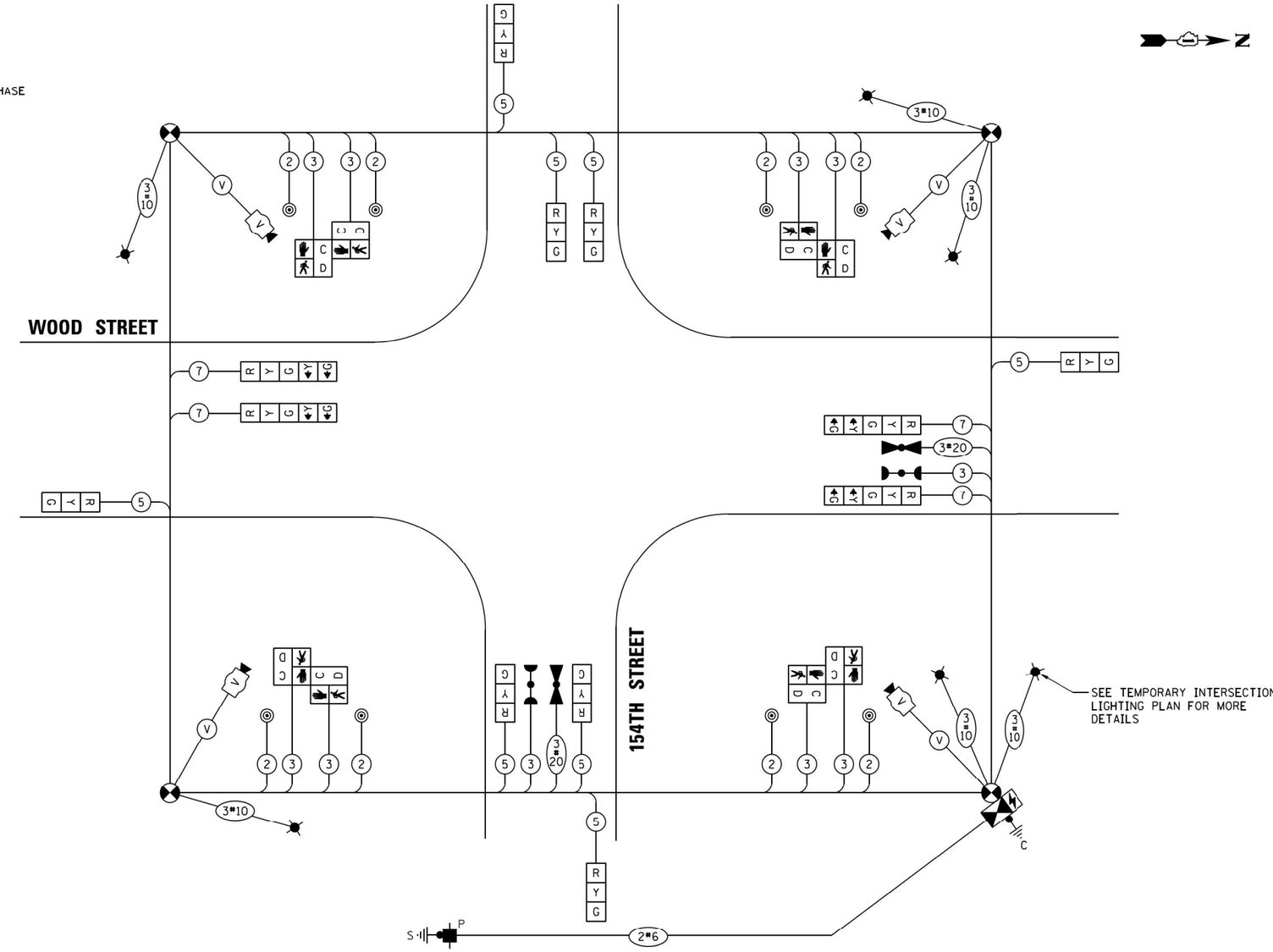
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	198	50	594.0
			TOTAL =	1179.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---



EXISTING GEOMETRY, MOT STAGE 1, MOT STAGE 2, AND FINAL GEOMETRY TEMPORARY CABLE PLAN

(NOT TO SCALE)

TS 13800

TS SHT NO. 50

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3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE: SURVEYED, PLOTTED, CHECKED, B.M. NOTED, STRUCTURE NO. ____, NOTATNS CHKD, BY, DATE
PLAN: SURVEYED, PLOTTED, CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO. ____, BY, DATE

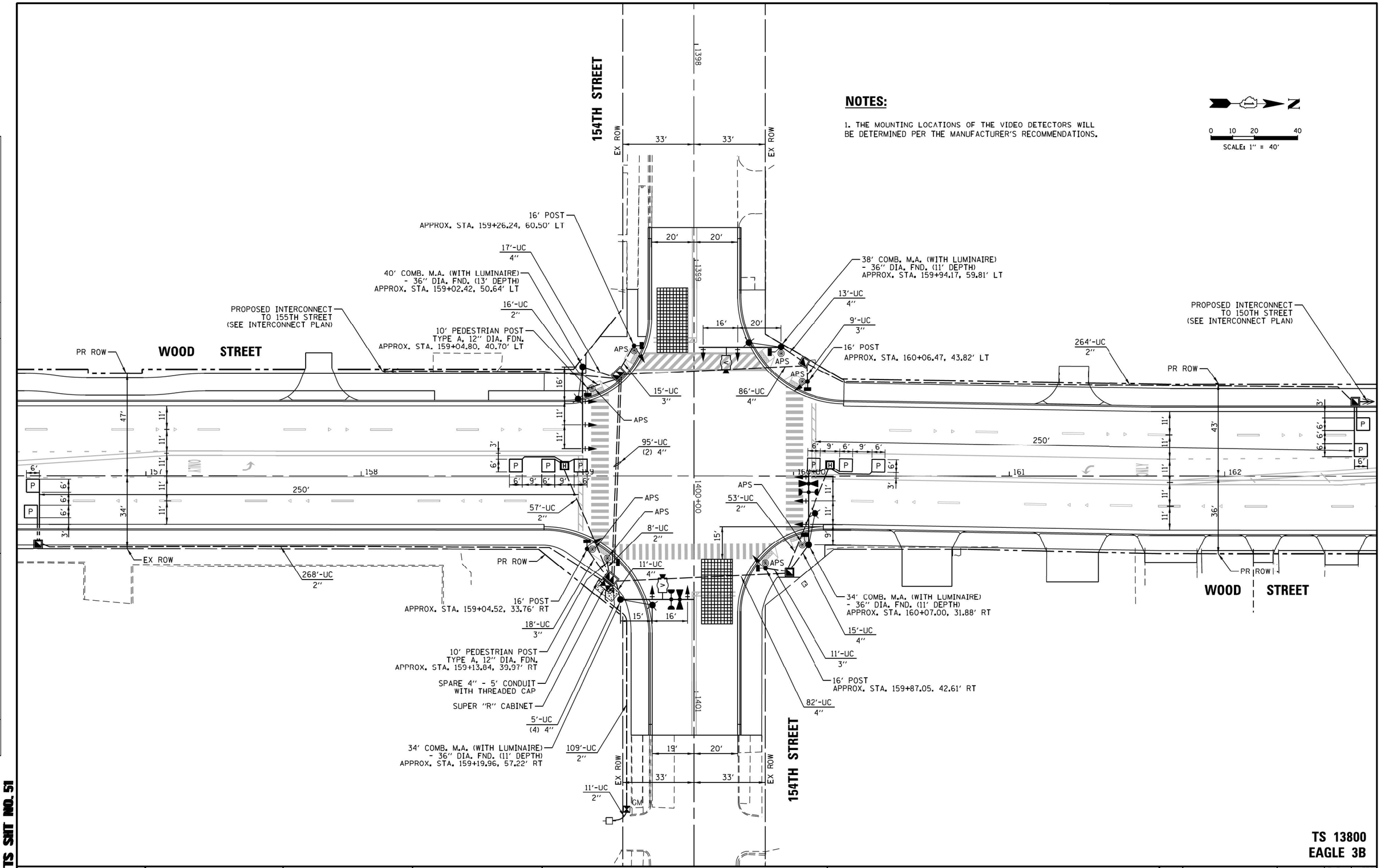
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-13d_TCB_154th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
WOOD STREET AND 154TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	359
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

0 10 20 40
SCALE: 1" = 40'

TS SHT NO. 51

TS 13800
EAGLE 3B

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-13e_TSD_154th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
WOOD STREET AND 154TH STREET

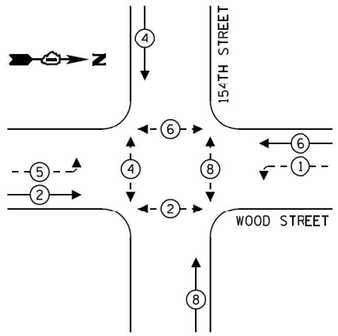
SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	360
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

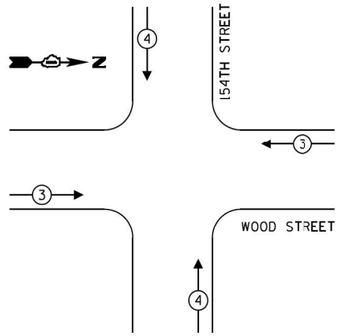
CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Hoffman Estates, Illinois 60169
Tosemont, Illinois 60018
(847) 823-0500

PLAN
PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PROPOSED CONTROLLER SEQUENCE

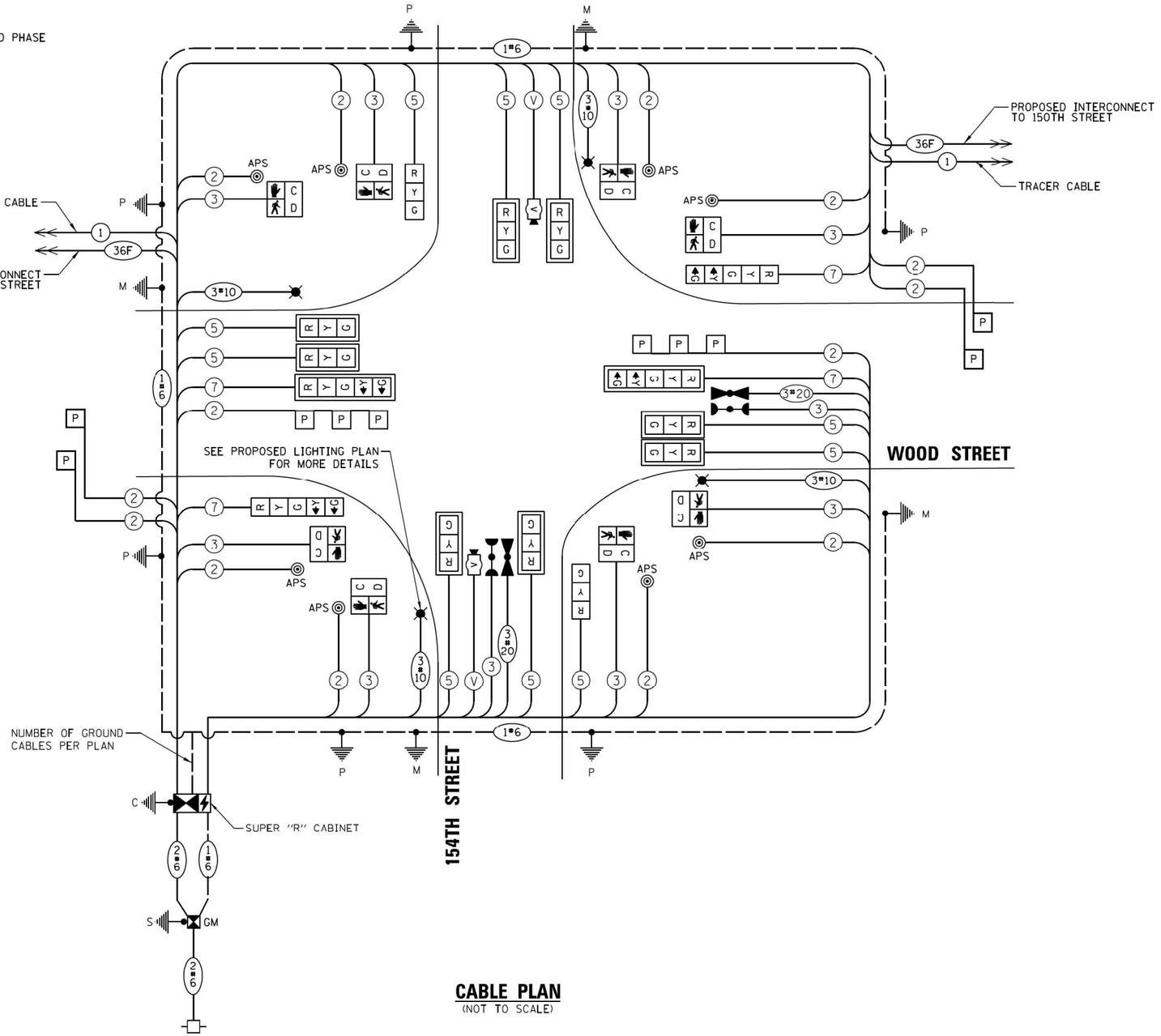


PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	237	50	474.0
			TOTAL =	1083.6

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO. 52

TS 13800
EAGLE 3B

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE PLAN — SURVEYED / PLOTTED / CROSS SECTIONS CHECKED / BLM. NOTED / STRUCTURE NOTATING CHKD — NOTE BOOK NO. ____ — BY — DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-13f_CAB1_154th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -	
	PLOT DATE = 12/6/2022	CHECKED - GMZ	REVISED -	
		DATE -	REVISED -	

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
WOOD STREET AND 154TH STREET

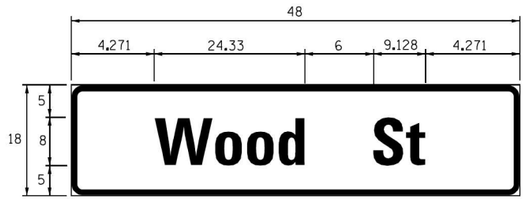
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	361
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

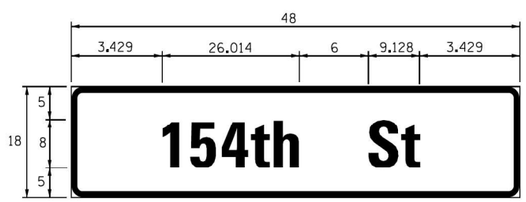
MAST ARM MOUNTED STREET NAME SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

SIGN PANEL – TYPE 1



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	24
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	786
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	53
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	439
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,167
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,483
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,768
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	702
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,838
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	161
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	992
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	2
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	6
	PREFORMED DETECTOR LOOP	FOOT	328
*	LIGHT DETECTOR	EACH	2
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	8
	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	260
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
	VIDEO DETECTION SYSTEM, SINGLE APPROACH	EACH	2

*100% COST TO THE CITY OF HARVEY

CHRISTOPHER B. BURKE ENGINEERING LTD.
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(847) 823-0500

PLAN — NOTE BOOK — NO. ____ — SURVEYED — PLOTTED — ALIGNMENT CHECKED — R/T. OF WAY CHECKED — CABD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. ____ — SURVEYED — PLOTTED — LEVELS CHECKED — BM. NOTED — STRUCTURE NOTATIONS CHKD — BY — DATE

TS SHT NO. 53

TS 13800
EAGLE 3B

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS\13g_CAB2_154th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAMES SIGNS AND SCHEDULE OF QUANTITIES WOOD STREET AND 154TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	362
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVAL NOTES:

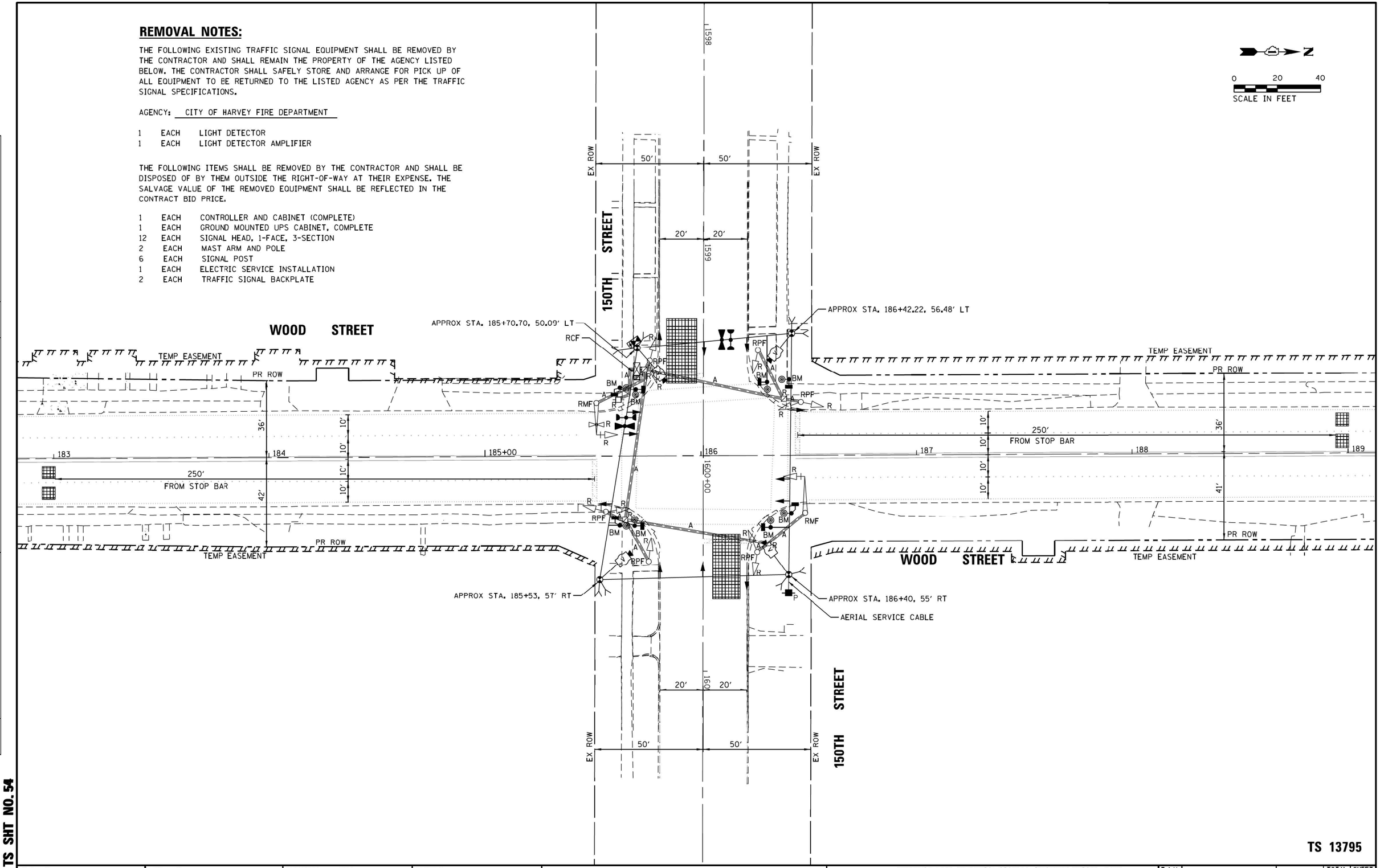
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF HARVEY FIRE DEPARTMENT

1	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
1	EACH	GROUND MOUNTED UPS CABINET, COMPLETE
12	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
2	EACH	MAST ARM AND POLE
6	EACH	SIGNAL POST
1	EACH	ELECTRIC SERVICE INSTALLATION
2	EACH	TRAFFIC SIGNAL BACKPLATE



TS SHT NO. 54

TS 13795

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-14_TMP_150th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
WOOD STREET AND 150TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	363
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, CROSS CHECKED, B.M. NOTED, STRUCTURE NOTATING CHKD, NOTE BOOK, NO.
PROFILE: SURVEYED, PLOTTED, CROSS CHECKED, B.M. NOTED, STRUCTURE NOTATING CHKD, NOTE BOOK, NO.
DATE / BY / SURVEYED / PLOTTED / CROSS CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.

BY	DATE

SURVEYED
PLOTTED
DRAWN
CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

PROFILE
NOTE BOOK
NO.

SURVEYED
PLOTTED
DRAWN
CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD

BY	DATE

TS SHT NO. 55

MOT STAGE 1

N

0 20 40
SCALE IN FEET

WOOD STREET

150TH STREET

EX ROW

100′

20′ 20′

1598

1599

1600+00

1601

250′
FROM STOP BAR

TEMP. EASEMENT

PR ROW

11′

BM

183 184 185+00 186 187 188 189

Building

TS 13795

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-14a_MOT-Stage1_150th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40′	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
MOT STAGE 1
WOOD STREET AND 150TH STREET

SCALE: 1″ = 40′ | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	364
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.

SURVEYED
PLOTTED
CHECKED
B.M. NOTED
STRUCTURE #

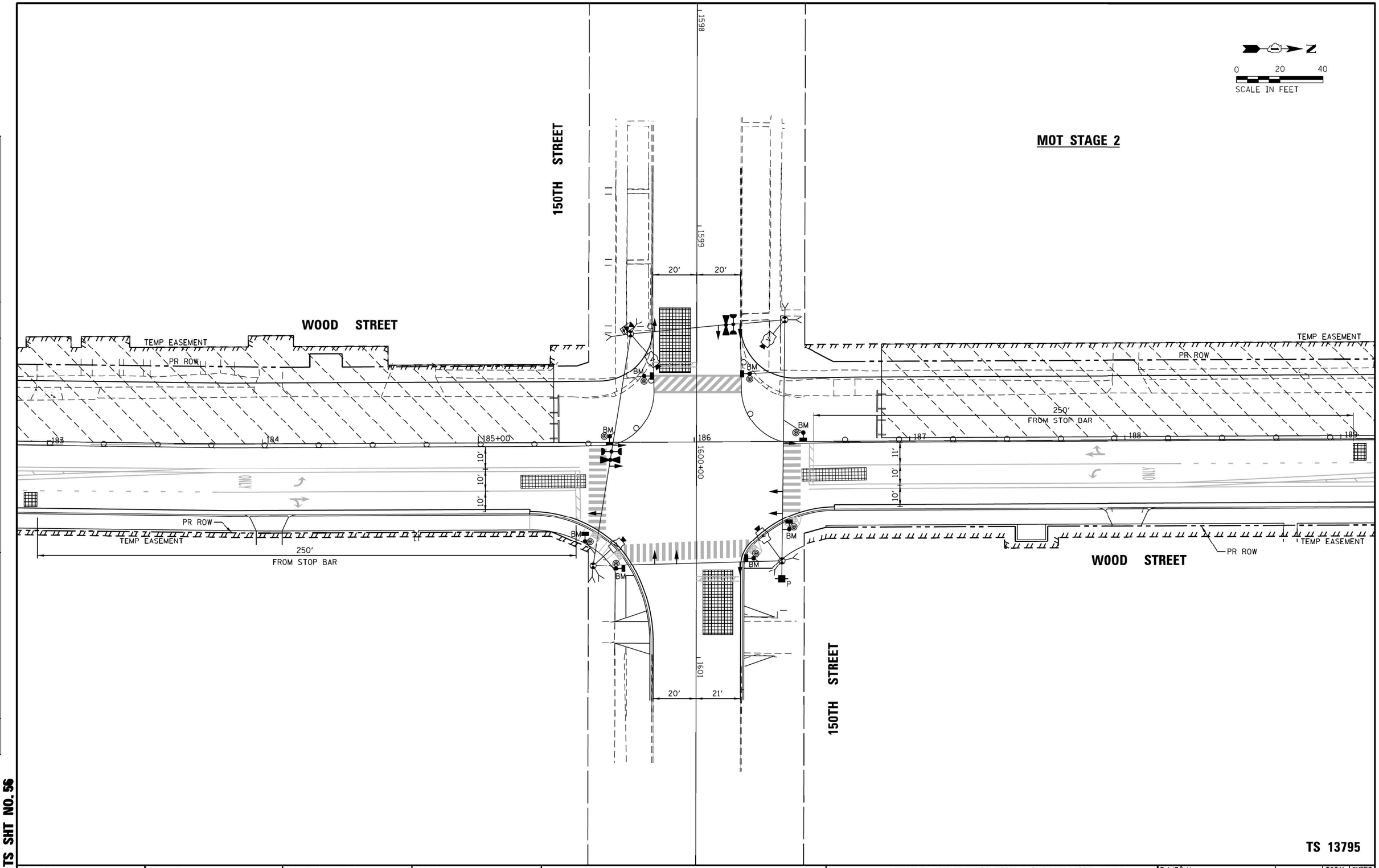
DATE
BY

PROFILE
NOTE BOOK
NO.

SURVEYED
PLOTTED
CHECKED
B.M. NOTED
STRUCTURE #

DATE
BY

TS SHT NO. 56



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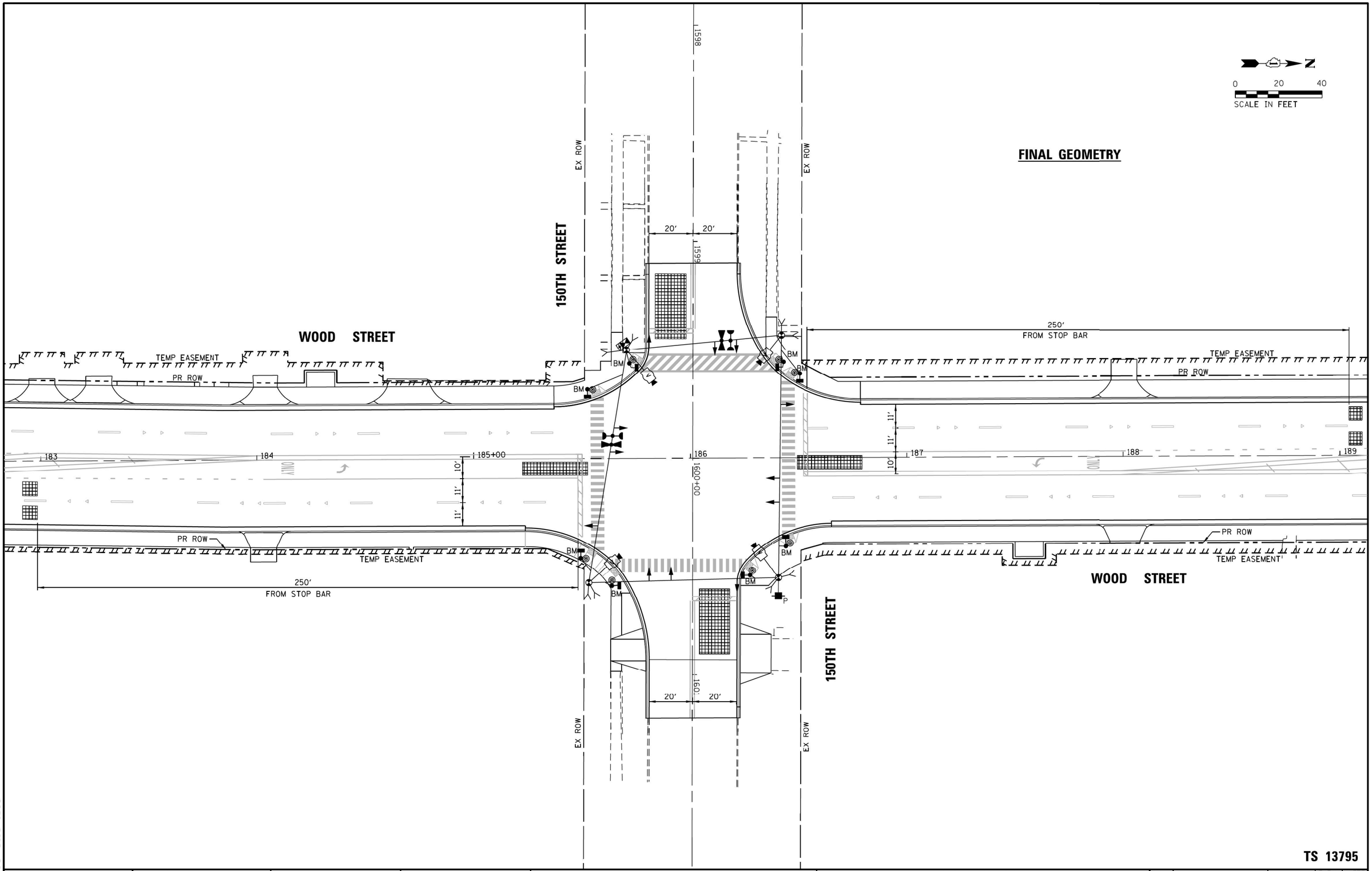
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
MOT STAGE 2
WOOD STREET AND 150TH STREET

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I.F. RTE.	F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857		(145,146&146S-2)WRS&B-1	COOK	686	365
			CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		



TS SHT NO. 57

TS 13795

1" = 40'

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-14c_MOT-Stage Final_150th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
FINAL GEOMETRY
WOOD STREET AND 150TH STREET

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

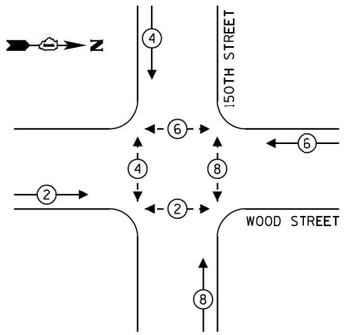
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	~~F-145~~,146&146S-2)WRS&B-1	COOK	686	366
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
CLOSURE CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

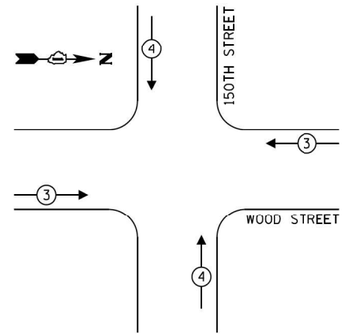
PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
CROSS SECTIONED
BM. NOTED
STRUCTURE NOTATIONS CHKED
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Hoffman Estates
Rosemont, Illinois 60018
(847) 923-0500

TEMPORARY CONTROLLER SEQUENCE

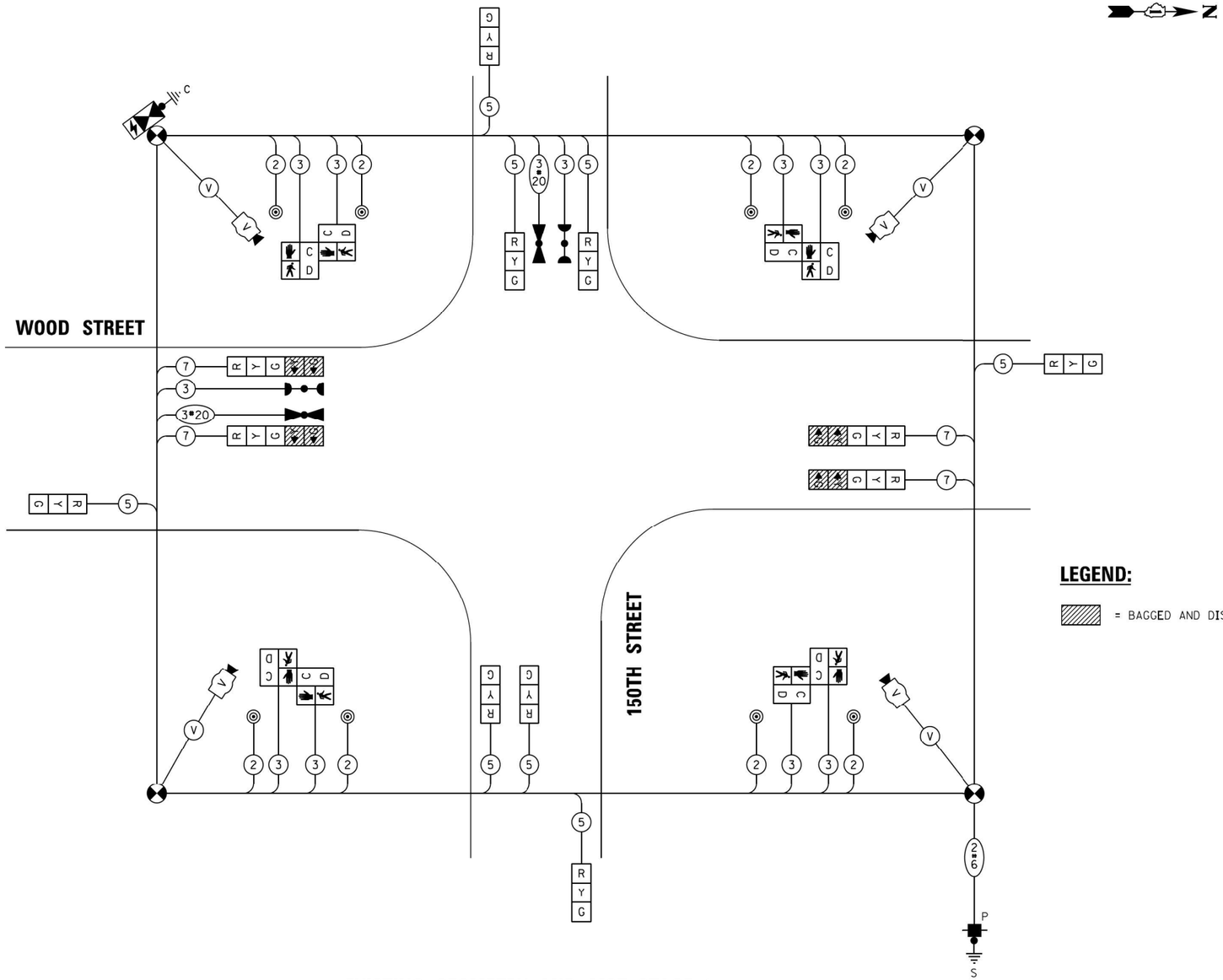


TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP



LEGEND:

= BAGGED AND DISABLED

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	577.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

EXISTING GEOMETRY AND MOT STAGE 1
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 13795

TS SHT NO. 58

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / B.M. NOTED / STRUCTURE NOTATING CHKD — NOTE BOOK — NO. ____ — BY — DATE

PLAN — SURVEYED / PLOTTED / DRAWN / CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK — NO. ____ — BY — DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS14c_TCB_150th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

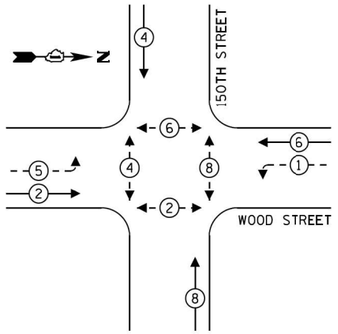
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM WOOD STREET AND 150TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	367
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

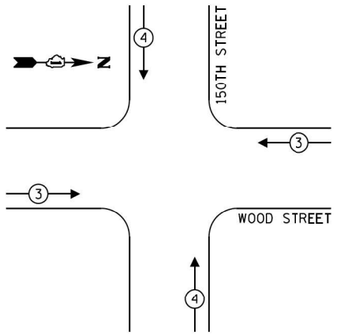
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



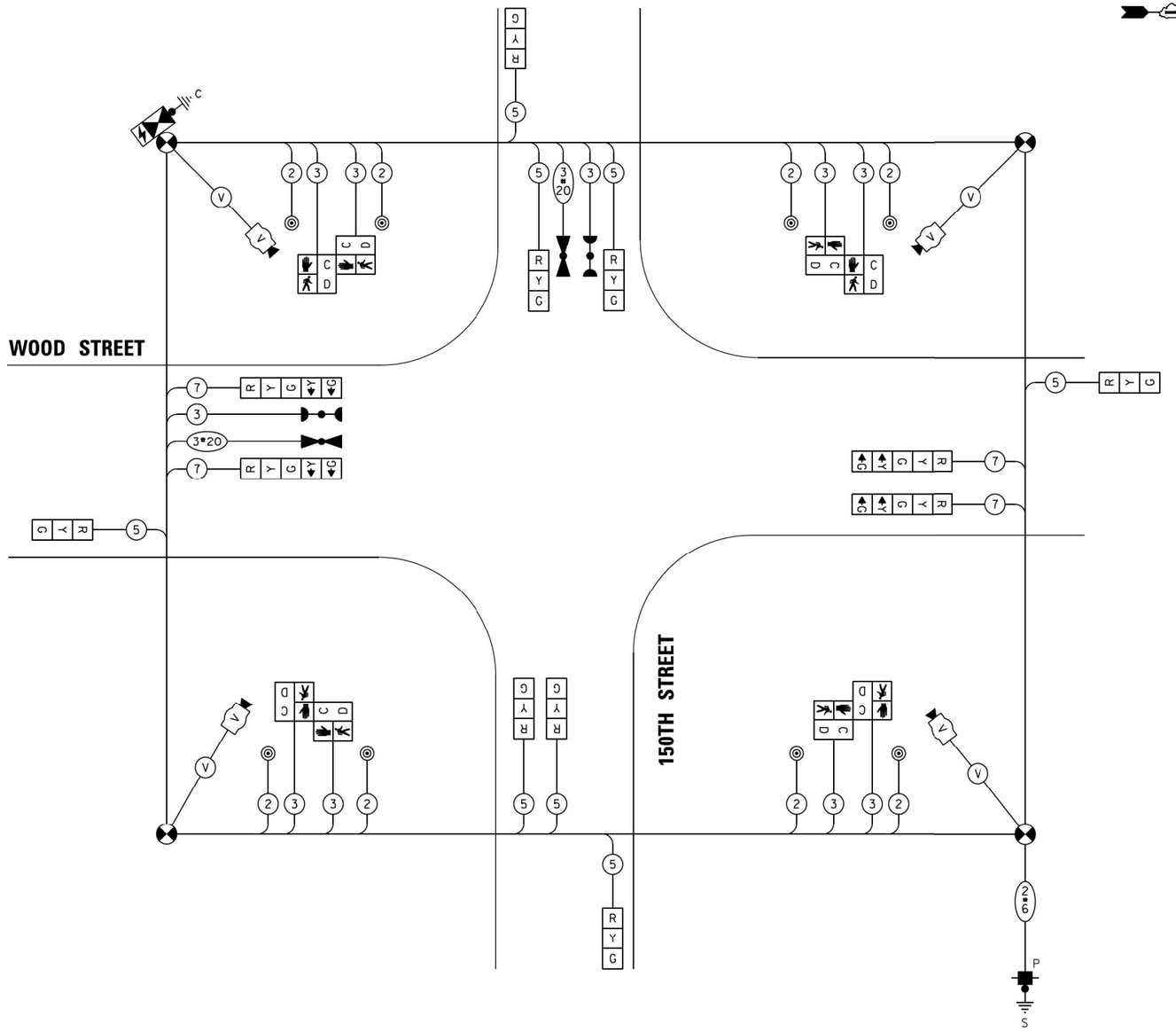
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	585.8

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---



MOT STAGE 2 AND FINAL GEOMETRY
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 13795

TS SHT NO. 59

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE — SURVEYED — PLOTTED — DRAWN — CHECKED — ALIGNMENT CHECKED — R/T. OF WAY CHECKED — F.A.U. FILE NAME — NOTE BOOK — NO. — BY — DATE — BLVK. NOTED — STRUCTURE NOTATIONS CHKD

FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-14d_TCB-Staging_150th.dgn		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM WOOD STREET AND 150TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	368
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION NOTE:

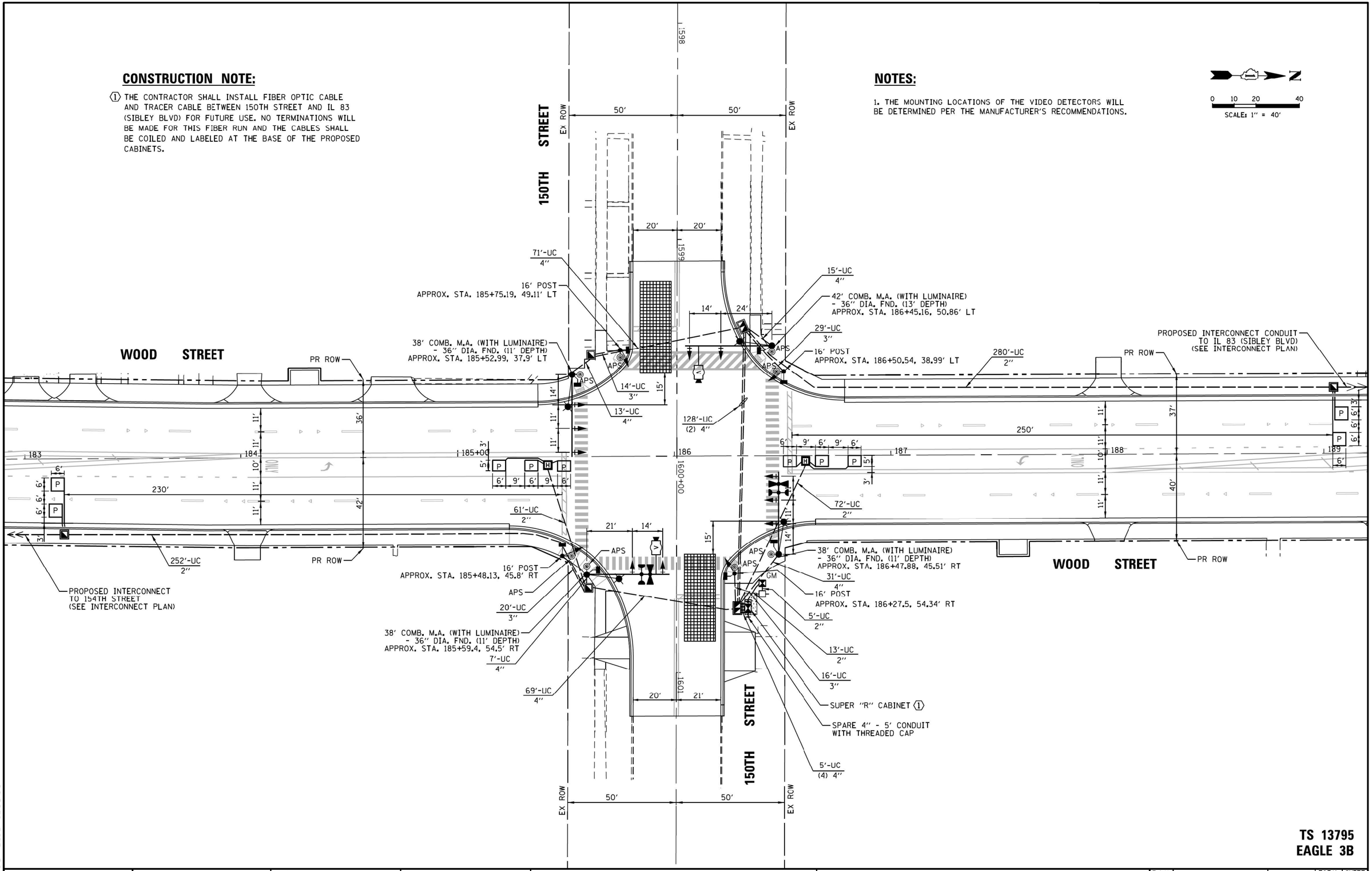
(1) THE CONTRACTOR SHALL INSTALL FIBER OPTIC CABLE AND TRACER CABLE BETWEEN 150TH STREET AND IL 83 (SIBLEY BLVD) FOR FUTURE USE. NO TERMINATIONS WILL BE MADE FOR THIS FIBER RUN AND THE CABLES SHALL BE COILED AND LABELED AT THE BASE OF THE PROPOSED CABINETS.

NOTES:

1. THE MOUNTING LOCATIONS OF THE VIDEO DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

N

0 10 20 40
SCALE: 1" = 40'



TS 13795
EAGLE 3B

TS SHT NO. 60

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED | PLOTTED | DRAWN | CHECKED | QUANTITIES | CHECKED | ALIGNMENT | CHECKED | RT. OF WAY | CHECKED | CADD FILE NAME | NOTE BOOK | NO.
PROFILE: SURVEYED | PLOTTED | DRAWN | CHECKED | QUANTITIES | NOTED | STRUCTURE NOTATIONS | CHKD | NOTE BOOK | NO.
BY | DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-14e_TSD_150th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

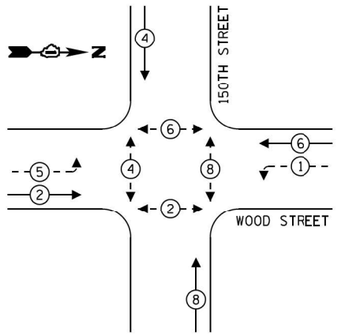
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
WOOD STREET AND 150TH STREET

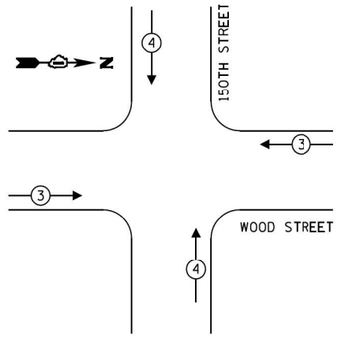
SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	369
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL INSTALL FIBER OPTIC CABLE AND TRACER CABLE BETWEEN 150TH STREET AND IL 83 (SIBLEY BLVD) FOR FUTURE USE. NO TERMINATIONS WILL BE MADE FOR THIS FIBER RUN AND THE CABLES SHALL BE COILED AND LABELED AT THE BASE OF THE PROPOSED CABINETS.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

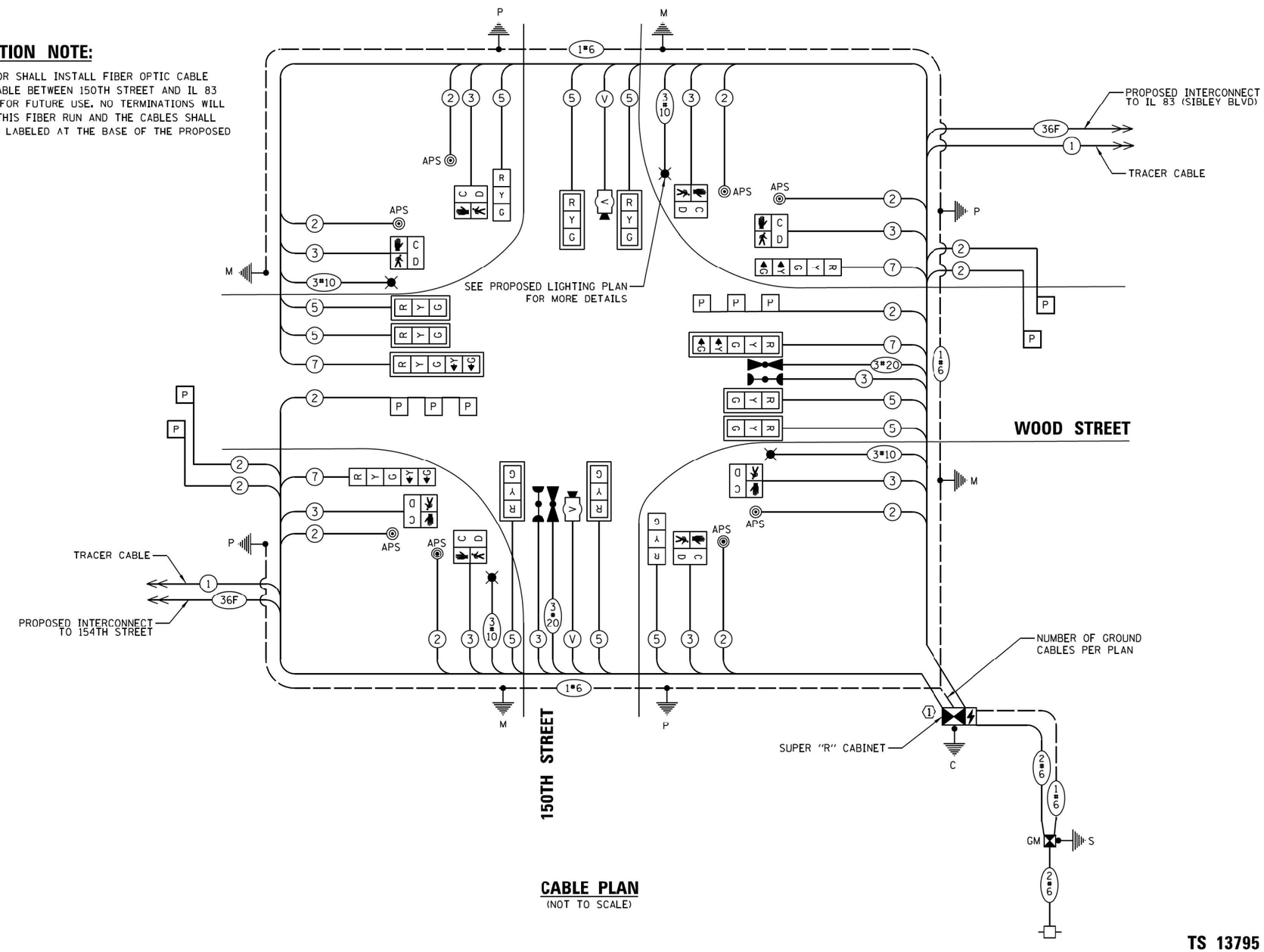
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	237	50	474.0
			TOTAL =	1083.6

ENERGY COSTS TO:

CITY OF HARVEY
15320 BROADWAY AVENUE
HARVEY, IL 60426

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO. 61



CABLE PLAN
(NOT TO SCALE)

TS 13795
EAGLE 3B

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED — DATE; PLOTTED — CHECKED; LOCATION — ALIGNMENT CHECKED; NOTE BOOK — R/W CHECKED; NO. — FILE NAME; BY — DATE
PLAN — SURVEYED — DATE; PLOTTED — CHECKED; LOCATION — ALIGNMENT CHECKED; NOTE BOOK — R/W CHECKED; NO. — FILE NAME; BY — DATE
STRUCTURE NOTATIONS: CNFRD, BAR. NOTED

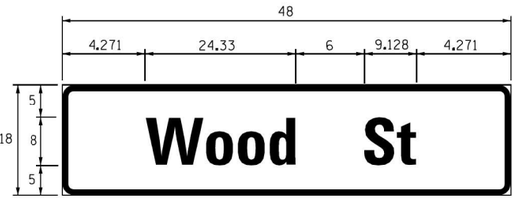
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-14f_CAB1_150th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN AND PHASE DESIGNATION DIAGRAM WOOD STREET AND 150TH STREET
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -		
	PLOT DATE = 12/6/2022	CHECKED - GMZ	REVISED -		
		DATE -	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	370
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

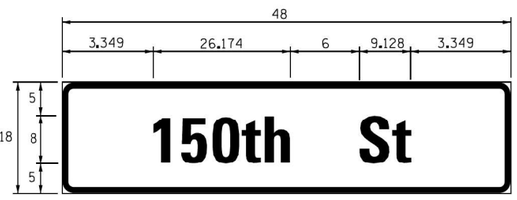
MAST ARM MOUNTED STREET NAME SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

SIGN PANEL – TYPE 1



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.0	1	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.

SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	SIGN PANEL - TYPE 1	SQ FT	24
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	683
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	79
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	487
	HANDHOLE	EACH	4
	HEAVY-DUTY HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,283
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,607
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,914
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	776
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,880
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	59
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	869
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	3
	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	20
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	46
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
	INDUCTIVE LOOP DETECTOR	EACH	6
	PREFORMED DETECTOR LOOP	FOOT	332
*	LIGHT DETECTOR	EACH	2
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	4
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	268
	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
	VIDEO DETECTION SYSTEM, SINGLE APPROACH	EACH	2

* 100% COST TO THE CITY OF HARVEY

TS 13795
EAGLE 3B

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — SURVEYED: DATE; PLOTTED: BY; CLASS CHECKED; ALIGNMENT CHECKED; NOTE BOOK; R.T. OF WAY CHECKED; NO.; CADD FILE NAME

PROFILE — SURVEYED: DATE; PLOTTED: BY; CLASS CHECKED; NOTE BOOK; BAR. NOTED; NO.; STRUCTURE NOTATIONS CHKD

TS SHT NO. 62

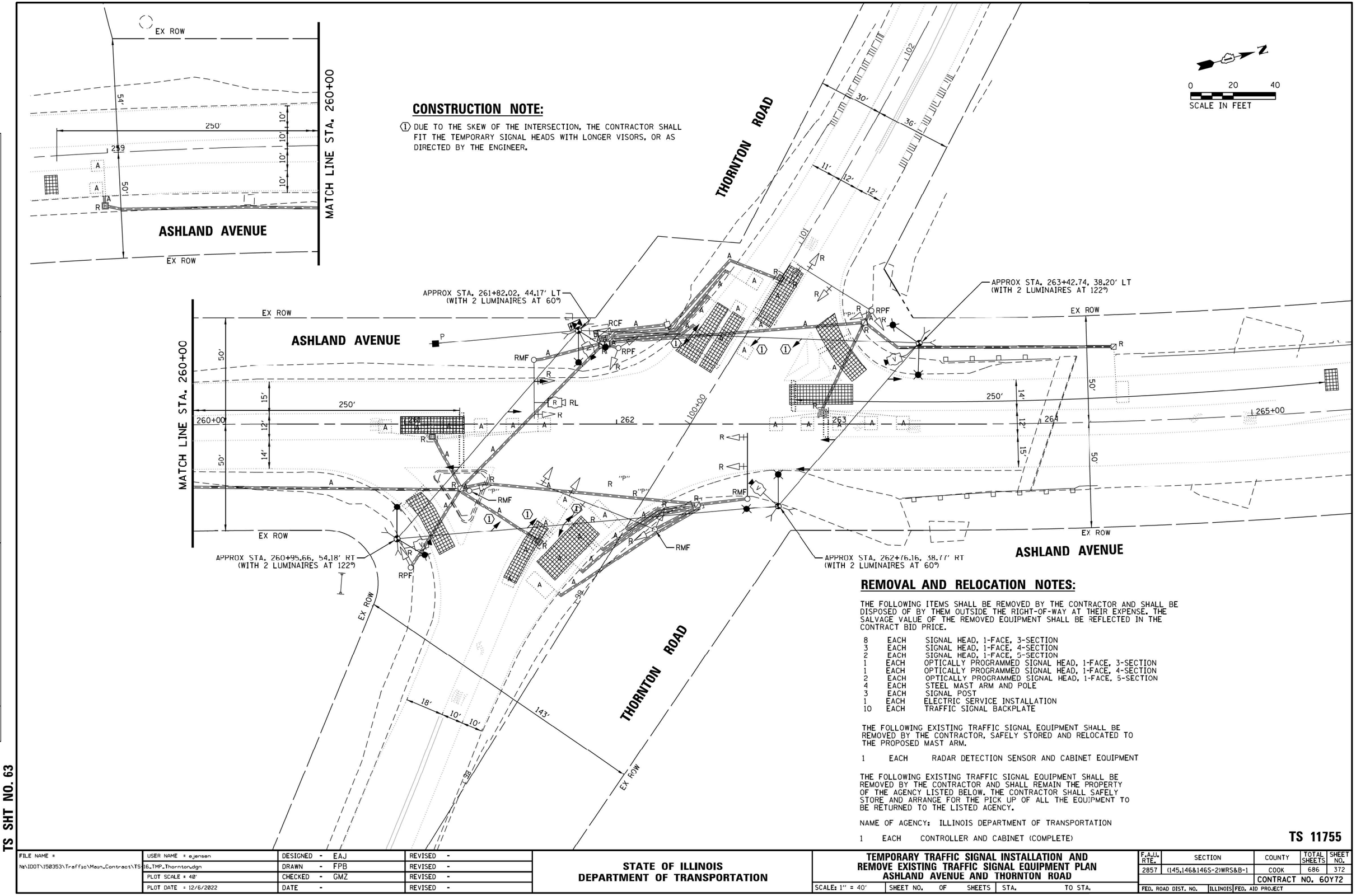
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS14g_CAB2_150th.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAMES SIGNS AND SCHEDULE OF QUANTITIES WOOD STREET AND 150TH STREET

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	371
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
3	EACH	SIGNAL HEAD, 1-FACE, 4-SECTION
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
1	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 3-SECTION
1	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 4-SECTION
2	EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, 1-FACE, 5-SECTION
4	EACH	STEEL MAST ARM AND POLE
3	EACH	SIGNAL POST
1	EACH	ELECTRIC SERVICE INSTALLATION
10	EACH	TRAFFIC SIGNAL BACKPLATE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARM.

1	EACH	RADAR DETECTION SENSOR AND CABINET EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

NAME OF AGENCY: ILLINOIS DEPARTMENT OF TRANSPORTATION

1	EACH	CONTROLLER AND CABINET (COMPLETE)

TS 11755

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NO. | NOTE BOOK | NO. | BY | DATE | STRUCTURE NO. | NOTATION | CHKD

PLAN — SURVEYED | PLOTTED | DRAWN | CHECKED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

TS SHT NO. 63

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16_TMP_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	372
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN (A)

R3-27
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (B)

R3-2
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (C)

R3-1
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

CONSTRUCTION NOTES:

(1) DUE TO THE SKEW OF THE INTERSECTION, THE CONTRACTOR SHALL FIT THE TEMPORARY SIGNAL HEADS WITH LONGER VISORS, OR AS DIRECTED BY THE ENGINEER.

(2) THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS. SEE CABLE PLAN FOR MORE DETAILS.

TS SHT NO. 64

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
E400 FILE NAME
BY
DATE

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
CHECKED
ROADS NOTED
BMK NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16b_MOT-Stage1_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	373
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN (A)

R3-27
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (B)

R3-2
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (C)

R3-1
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

CONSTRUCTION NOTE:

(I) THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS. SEE CABLE PLAN FOR MORE DETAILS.

MOT STAGE 1A

TS 11755

TS SHT NO. 65

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO.
SURVEYED — PLOTTED — CHECKED — B.M. NOTED — STRUCTURE NOTATIONS CHKD
ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME
BY — DATE

PROFILE — NOTE BOOK — NO.
SURVEYED — PLOTTED — CHECKED — B.M. NOTED — STRUCTURE NOTATIONS CHKD
BY — DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16b_MOT-StageIA_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1A
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	374
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN (A)

R3-27
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (B)

R3-2
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (C)

R3-1
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS. SEE CABLE PLAN FOR MORE DETAILS.

MOT STAGE 1B

TS 11755

TS SHT NO. 66

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
NOTE BOOK
NO.

DATE | BY

ALIGNMENT CHECKED
R.T. OF WAY CHECKED
CADD FILE NAME
STRUCTURE NOTATIONS CHKD

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16b_MOT-StageIB_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 1B
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	375
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN (A)

R3-27
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (B)

R3-2
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (C)

R3-1
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS. SEE CABLE PLAN FOR MORE DETAILS.

MOT STAGE 2

TS 11755

TS SHT NO. 67

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
SURVEYED
PLOTTED
PLOTS CHECKED
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
PLOTS CHECKED
NOTE BOOK
NO.

BY	DATE	
		ALIGNMENT CHECKED
		RT. OF WAY CHECKED
		F.A.U. FILE NAME
		STRUCTURE NO(S)/RTE. CHK'D

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS16c_MOT-Stage2_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

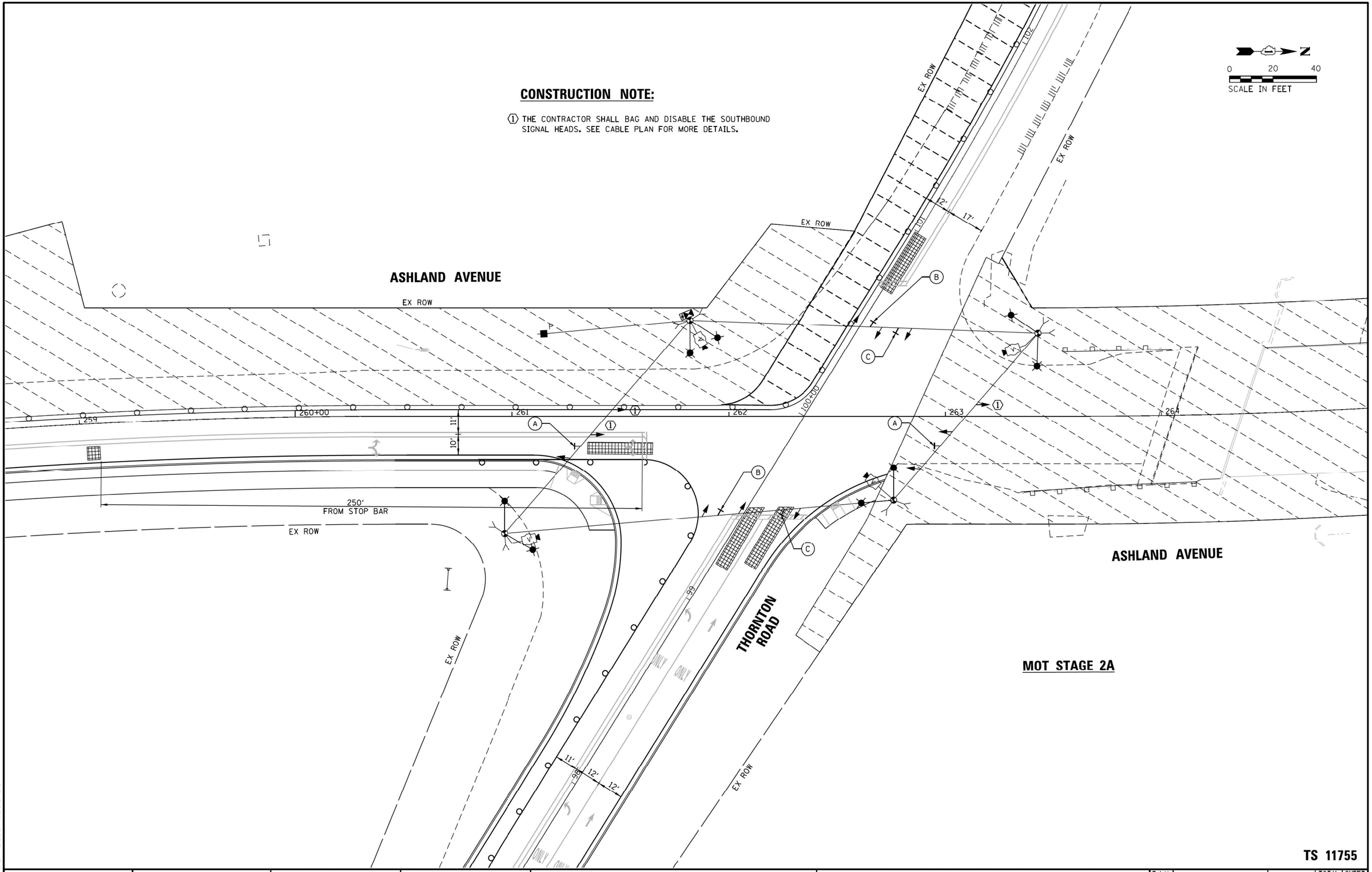
TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	376
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS. SEE CABLE PLAN FOR MORE DETAILS.



TS SHT NO. 68

PLAN	BY	DATE
SURVEYED		
PLOTTED		
DRAWN		
CHECKED		
ALIGNMENT CHECKED		
R/T. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK		
NO.		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
DRAWN		
CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS CHKED		
NOTE BOOK		
NO.		

CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16c_MOT-Stage2A_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2A
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	377
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN (A)

R3-27
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (B)

R3-2
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (C)

R3-1
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS. SEE CABLE PLAN FOR MORE DETAILS.

TS SHT NO. 69

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED | PLOTTED | DRAWN | CHECKED | QUANTITIES CHECKED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | E-MAIL FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE: SURVEYED | PLOTTED | DRAWN | CHECKED | QUANTITIES CHECKED | BAR. NOTED | STRUCTURE NOTATYPE CHKD | NOTE BOOK | NO. | BY | DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16c_MOT-Stage2B_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2B
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	378
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN (A)

R3-27
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (B)

R3-2
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

SIGN (C)

R3-1
36" x 36"
2-REQUIRED
(INCLUDED IN THE UNIT COST OF TEMPORARY SIGNAL INSTALLATION PAY ITEM)

CONSTRUCTION NOTE:

(I) THE CONTRACTOR SHALL BAG AND DISABLE THE SOUTHBOUND SIGNAL HEADS. SEE CABLE PLAN FOR MORE DETAILS.

TS SHT NO. 70

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS16c_MOT-Stage2C_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
MOT STAGE 2C
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	379
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN / PROFILE
SURVEYED
PLOTTED
DRAWN
CHECKED
NOTE BOOK
NO.
B.M. NOTED
STRUCTURE NO(S)/STNS CHKD
ALIGNMENT CHECKED
RT. OF WAY CHECKED
C-ADD FILE NAME
BY
DATE

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
DRAWN
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
DRAWN
CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD

BY | DATE

TS SHT NO. 71

EX ROW
ASHLAND AVENUE
259
260
MATCH LINE STA. 260+10
250'
FROM STOP BAR
EX ROW
THORNTON ROAD
EX ROW
102
EX ROW
12'
12'
101
EX ROW
ASHLAND AVENUE
EX ROW
P
1
1
MATCH LINE STA. 260+10
100+00
261
262
263
12'
12'
12'
250'
FROM STOP BAR
EX ROW
V
1
1
99
12'
12'
ONLY
THORNTON ROAD
EX ROW
98
ONLY
EX ROW
250'
FROM STOP BAR
EX ROW
12'
12'
264
265+00
12'
12'
EX ROW
ASHLAND AVENUE

N
0 20 40
SCALE IN FEET

CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL REPLACE THE 4 SECTION SIGNAL HEADS WITH 5 SECTION SIGNAL HEADS FOR PROTECTED/PERMITTED LEFT TURN PHASING. SEE CABLE PLAN FOR MORE DETAILS.

FINAL GEOMETRY

TS 11755

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16d_MOT-Stage Final_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

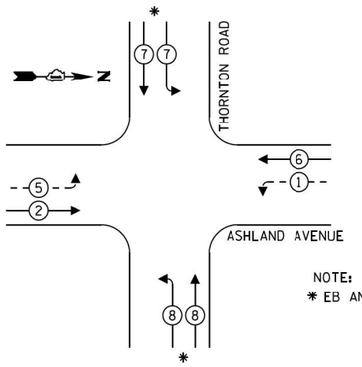
1" = 40' **STATE OF ILLINOIS**
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
FINAL GEOMETRY
ASHLAND AVENUE AND THORNTON ROAD

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	380
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

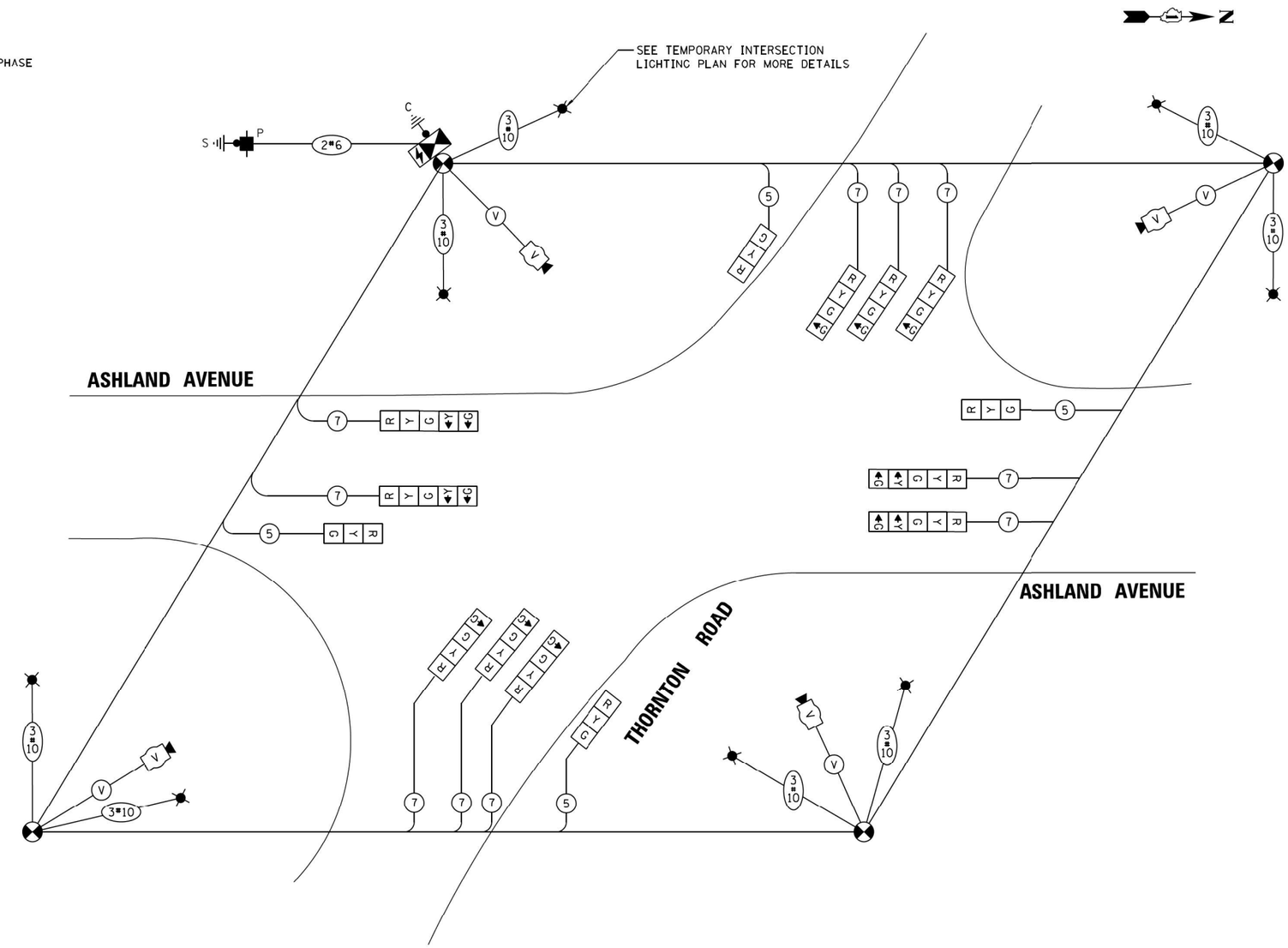
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

NOTE:
* EB AND WB APPROACHES ARE SPLIT PHASE



EXISTING GEOMETRY
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	8	198	50	792.0
			TOTAL =	1239.4

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO. 72

TS 11755

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE | PLAN | DATE | BY
SURVEYED | PLOTTED | DRAWN | CHECKED | BKM. NOTED | STRUCTURE NOTATING CHKD
NOTE BOOK | NO. ____
ALIGNMENT CHECKED | R/T. OF WAY CHECKED | CADD FILE NAME

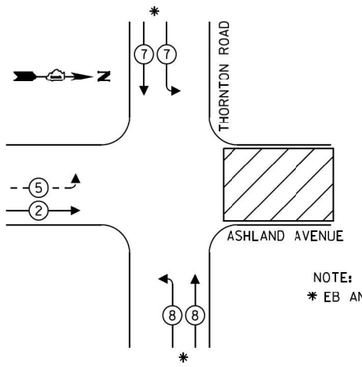
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16e_TCBI_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - FPB	REVISED -	
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -	
	PLOT DATE = 12/6/2022	DATE -	REVISED -	

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM ASHLAND AVENUE AND THORNTON ROAD

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	381
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

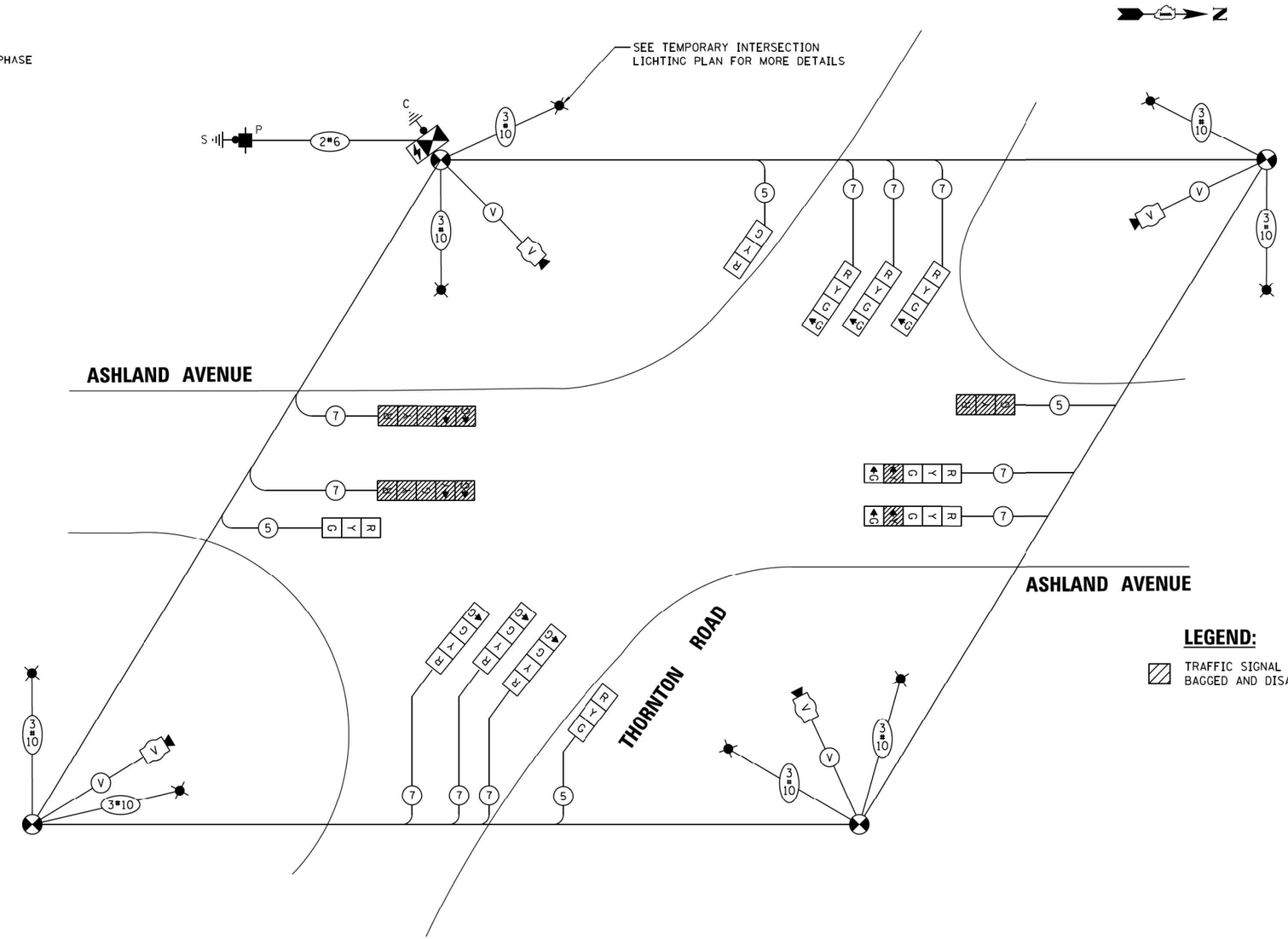
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

NOTE:
* EB AND WB APPROACHES ARE SPLIT PHASE



LEGEND:

TRAFFIC SIGNAL EQUIPMENT BAGGED AND DISABLED

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	10	250	50	1250.0
			TOTAL =	1663.9

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

MOT STAGE 1
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 11755

TS SHT NO. 73

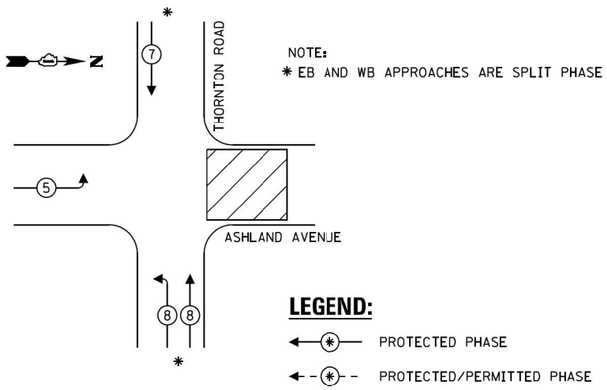
CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE | PLAN | BY | DATE
SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NOTATING CHKD
NOTE BOOK | NO.
SURVEYED | PLOTTED | DRAWN | CHECKED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME
NOTE BOOK | NO.

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16e_TCBI-1_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM ASHLAND AVENUE AND THORNTON ROAD
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -		
	PLOT DATE = 12/6/2022	CHECKED - GMZ	REVISED -		
		DATE -	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	382
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

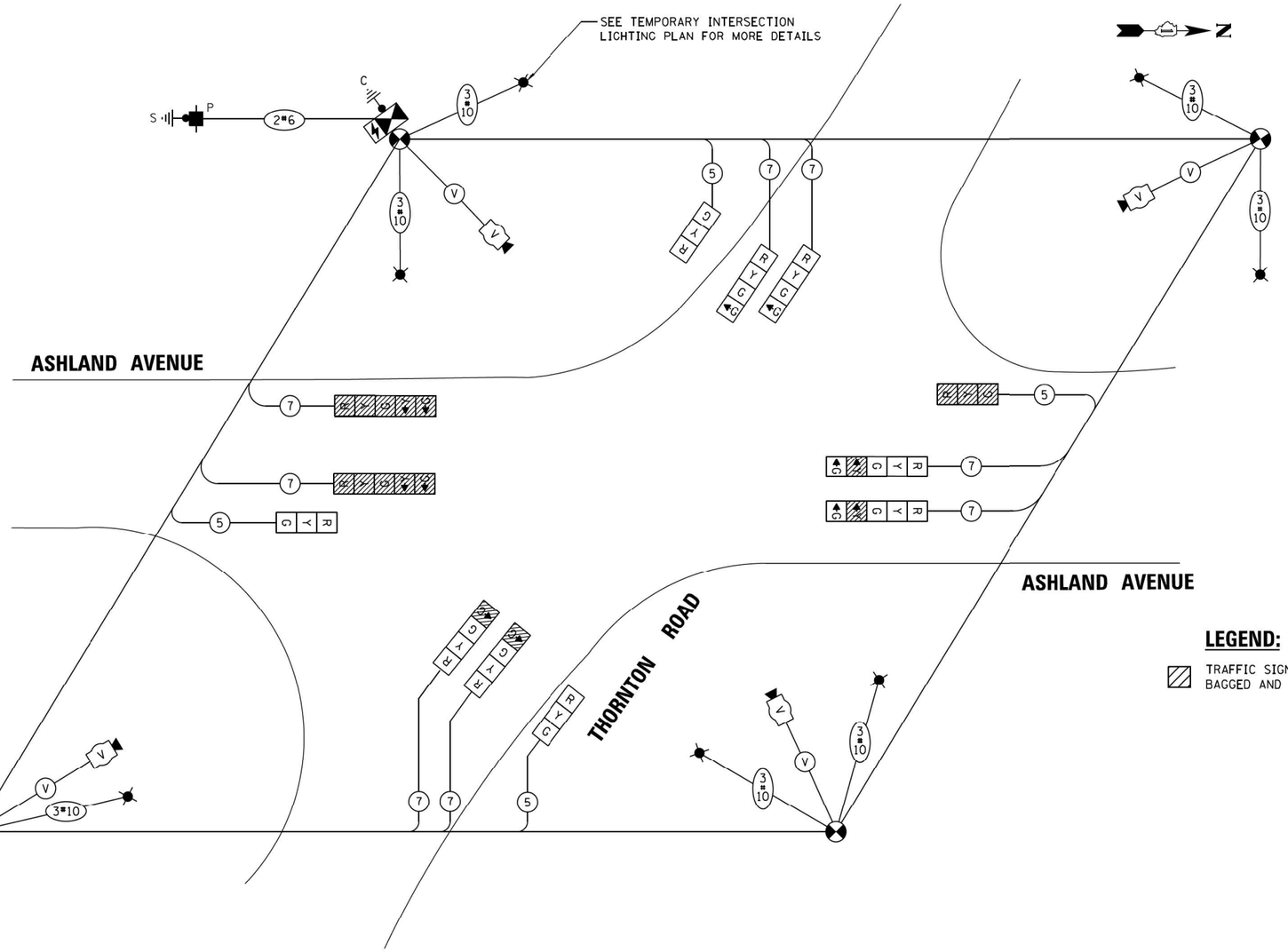
TEMPORARY CONTROLLER SEQUENCE



NOTE:
* EB AND WB APPROACHES ARE SPLIT PHASE

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	10	250	50	1250.0
			TOTAL =	1653.7

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

MOT STAGE 1A AND 1B
MOT STAGE 2, 2A, 2B, AND 2C
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 11755

TS SHT NO. 74

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE | PLAN | DATE | BY
SURVEYED / PLOTTED / DRAWN / CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME
NOTE BOOK NO. ____
SURVEYED / PLOTTED / DRAWN / CHECKED / B.M. NOTED / STRUCTURE NOTATING CHKD

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16e_TCB2a_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

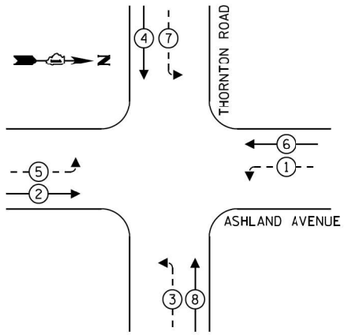
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM ASHLAND AVENUE AND THORNTON ROAD

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

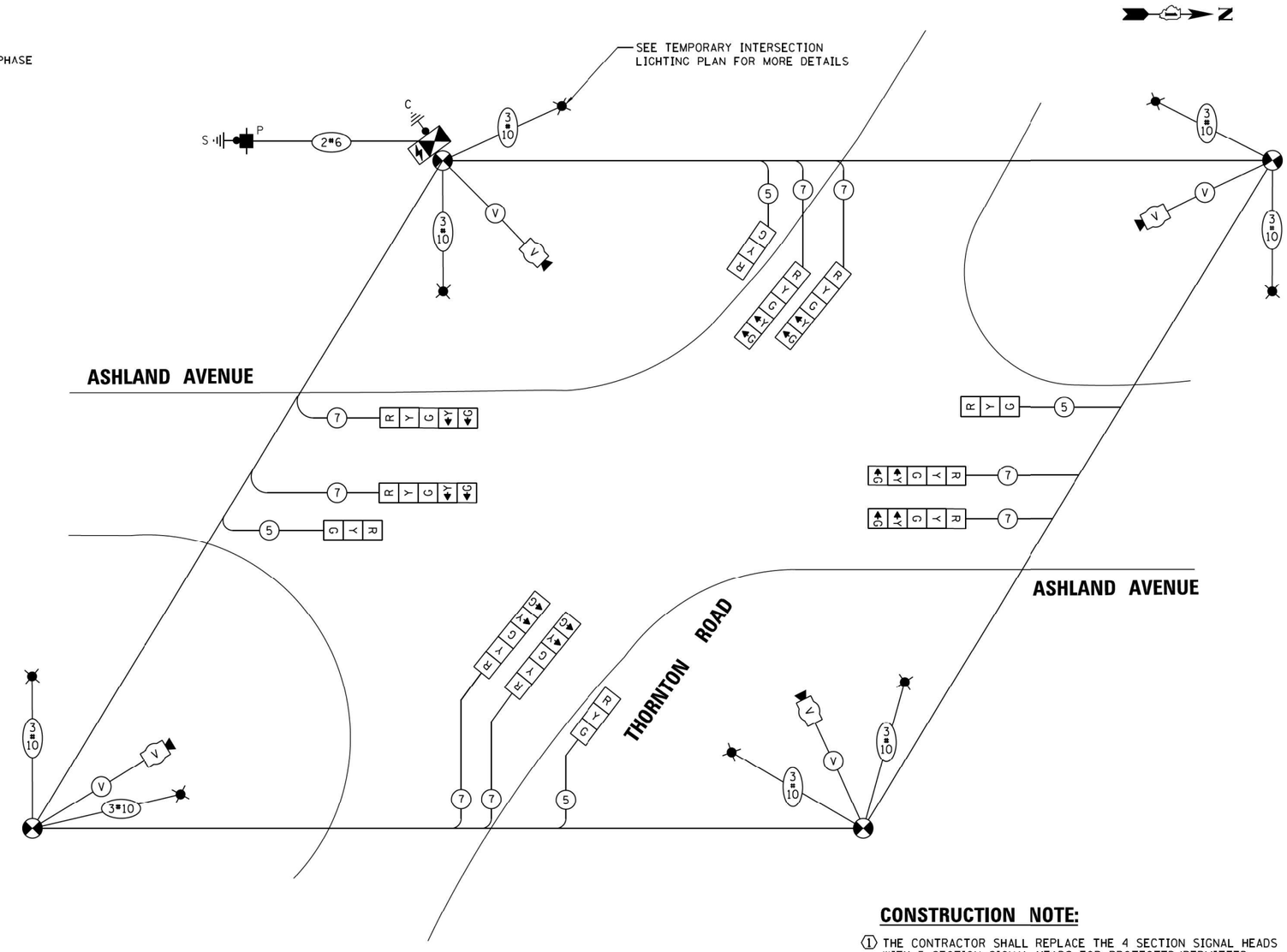
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	383
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP



CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL REPLACE THE 4 SECTION SIGNAL HEADS WITH 5 SECTION SIGNAL HEADS FOR PROTECTED/PERMITTED LEFT TURN PHASING. SEE CABLE PLAN FOR MORE DETAILS.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	10	250	50	1250.0
			TOTAL =	1683.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

FINAL GEOMETRY
TEMPORARY CABLE PLAN
(NOT TO SCALE)

TS 11755

TS SHT NO. 75

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE | PLAN | SURVEYED | PLOTTED | DRAWN | CHECKED | NOTE BOOK | NO. | BY | DATE | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | B.M. NOTED | STRUCTURE NOTATING CHKD

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS16f_TCBFinal_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY PHASE DESIGNATION DIAGRAM ASHLAND AVENUE AND THORNTON ROAD

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

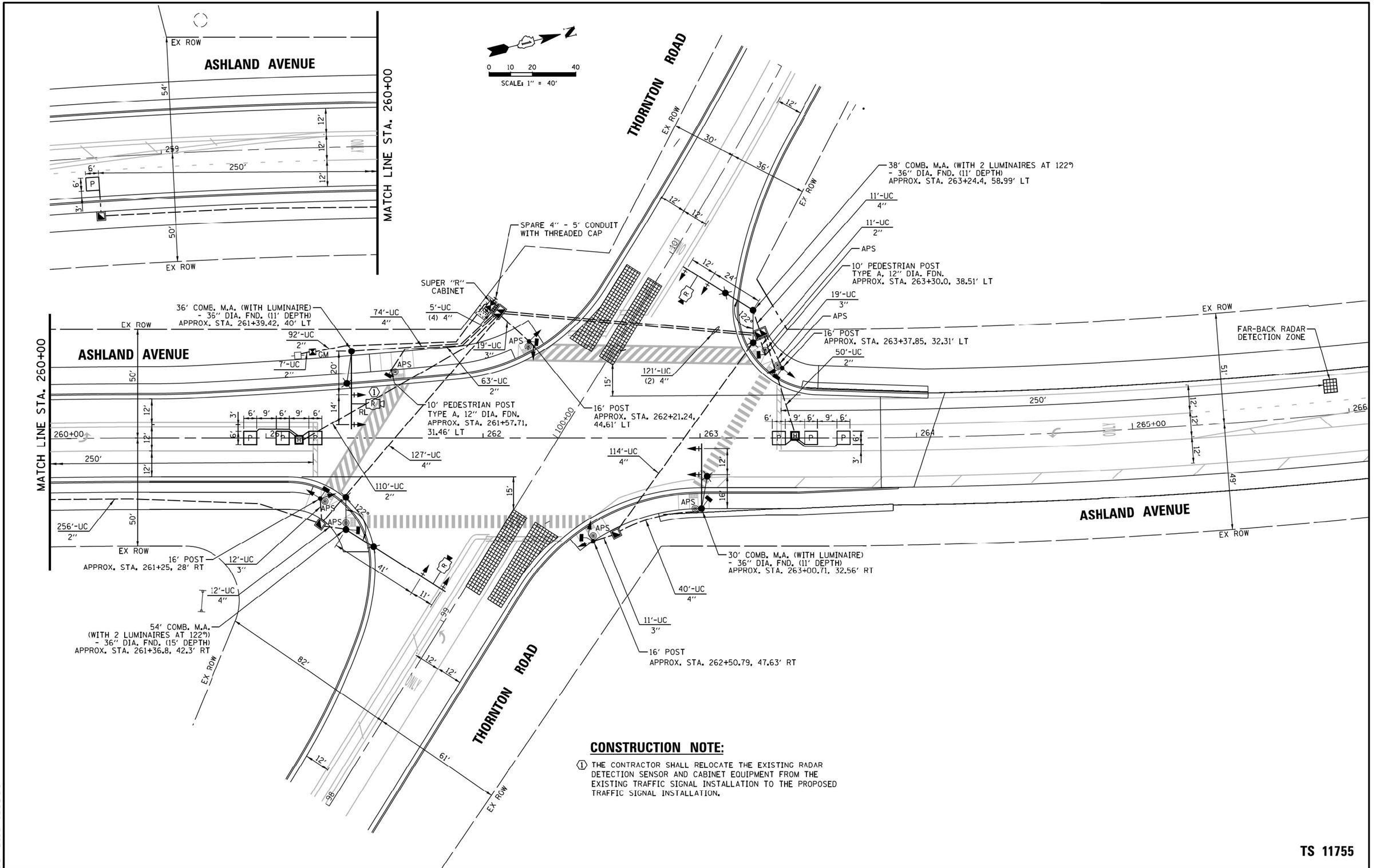
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	384
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Hoffman Estates, Illinois 60018
(847) 923-0500

PLAN | NOTE BOOK | NO.
SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NO.
BY | DATE | ALIGNMENT CHECKED | RT. OF WAY CHECKED | C-400 FILE NAME

PROFILE | NOTE BOOK | NO.
SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NO.
BY | DATE

TS SHT NO. 76



CONSTRUCTION NOTE:

(1) THE CONTRACTOR SHALL RELOCATE THE EXISTING RADAR DETECTION SENSOR AND CABINET EQUIPMENT FROM THE EXISTING TRAFFIC SIGNAL INSTALLATION TO THE PROPOSED TRAFFIC SIGNAL INSTALLATION.

TS 11755

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16g.TSD.Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

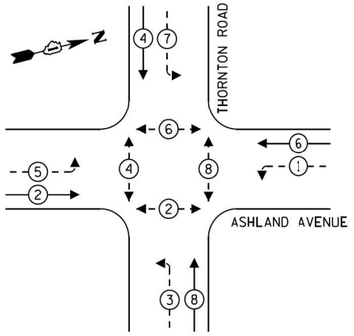
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
ASHLAND AVENUE AND THORNTON ROAD

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

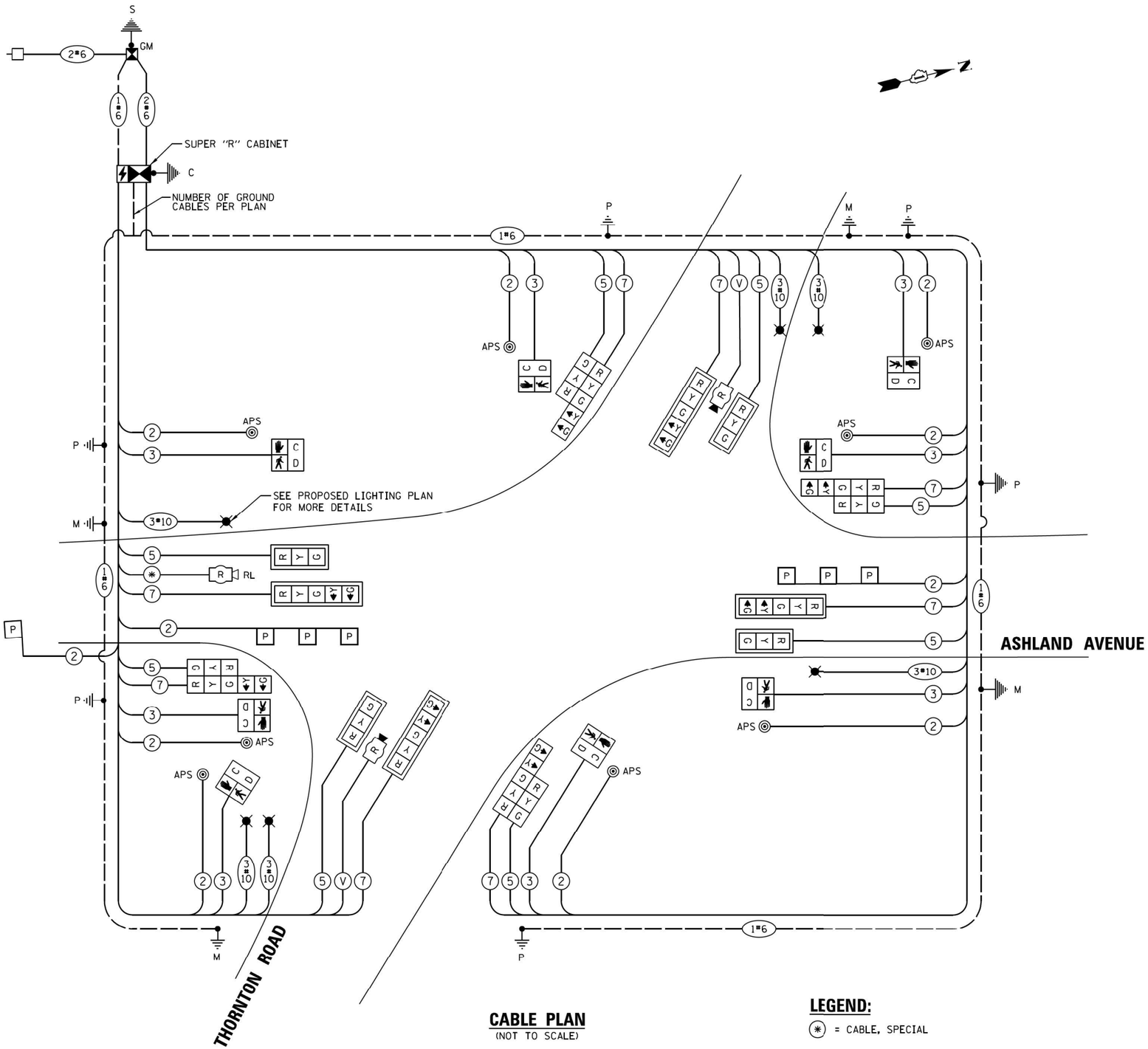
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	385
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP



CABLE PLAN
(NOT TO SCALE)

LEGEND:
(*) = CABLE, SPECIAL

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	6	198	50	594.0
			TOTAL =	1235.4

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT:_____
PHONE:_____
COMPANY:_____
ACCOUNT NUMBER: ---

TS SHT NO. 77

TS 11755

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED / PLOTTED / DRAWN / BK&L NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO.
PLAN — SURVEYED / PLOTTED / DRAWN / ALIGNMENT CHECKED / R.T. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO.
BY / DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-16h_CABI_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN AND PHASE DESIGNATION DIAGRAM
ASHLAND AVENUE AND THORNTON ROAD

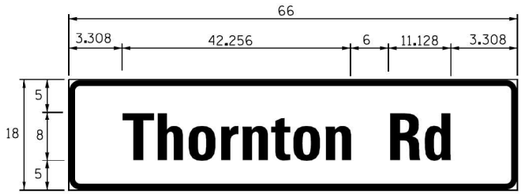
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	386
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

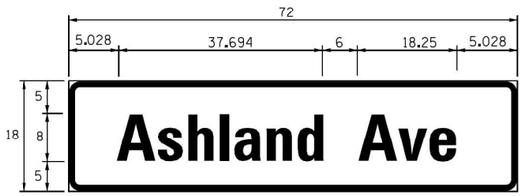
MAST ARM MOUNTED STREET NAME SIGNS

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE

SIGN PANEL – TYPE 1



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	8.25	1	ZZ	2



DESIGN SERIES	AREA (SQ. FT.)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2

NOTE:

FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	35
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	589
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	61
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	645
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,499
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,555
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,725
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,774
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	771
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	140
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,210
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	3
PREFORMED DETECTOR LOOP	FOOT	229
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
RELOCATE RADAR DETECTOR SYSTEM	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
CABLE, SPECIAL	FOOT	152
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — DRAWN — CHECKED — B.M. NOTED — STRUCTURE NOTATING CHKD
BY — DATE — CLIENT CHECKED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME

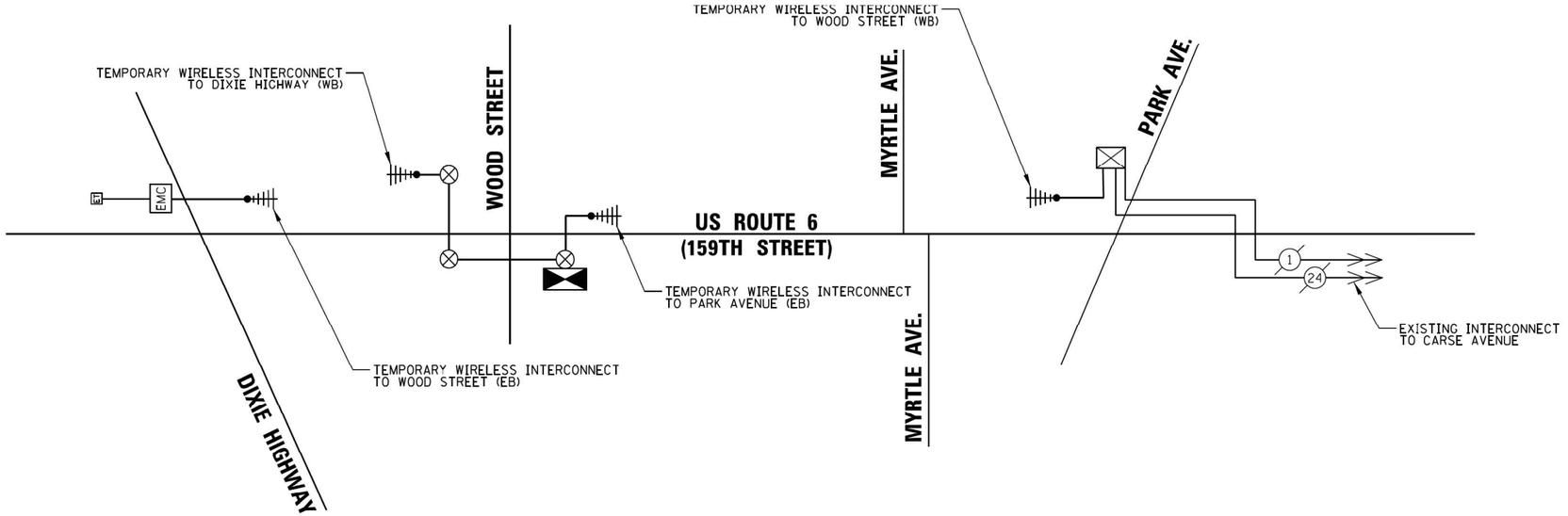
PROFILE — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — DRAWN — CHECKED — B.M. NOTED — STRUCTURE NOTATING CHKD
BY — DATE

TS SHT NO. 78

TS 11755

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-161_CA82_Thornton.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES ASHLAND AVENUE AND THORNTON ROAD
	PLOT SCALE = 40'	DRAWN - FPB	REVISED -		
	PLOT DATE = 12/6/2022	CHECKED - GMZ	REVISED -		
		DATE -	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	387
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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EAGLE 3B

TS SHT NO. 81

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-18c_TMP-Sch1_US6.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
US ROUTE 6 (159TH STREET)
FROM DIXIE HWY TO PARK AVENUE

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	388
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
B.M. NOTED
NO.
STRUCTURE NO(TAYNS' CNFKD)
BY
DATE

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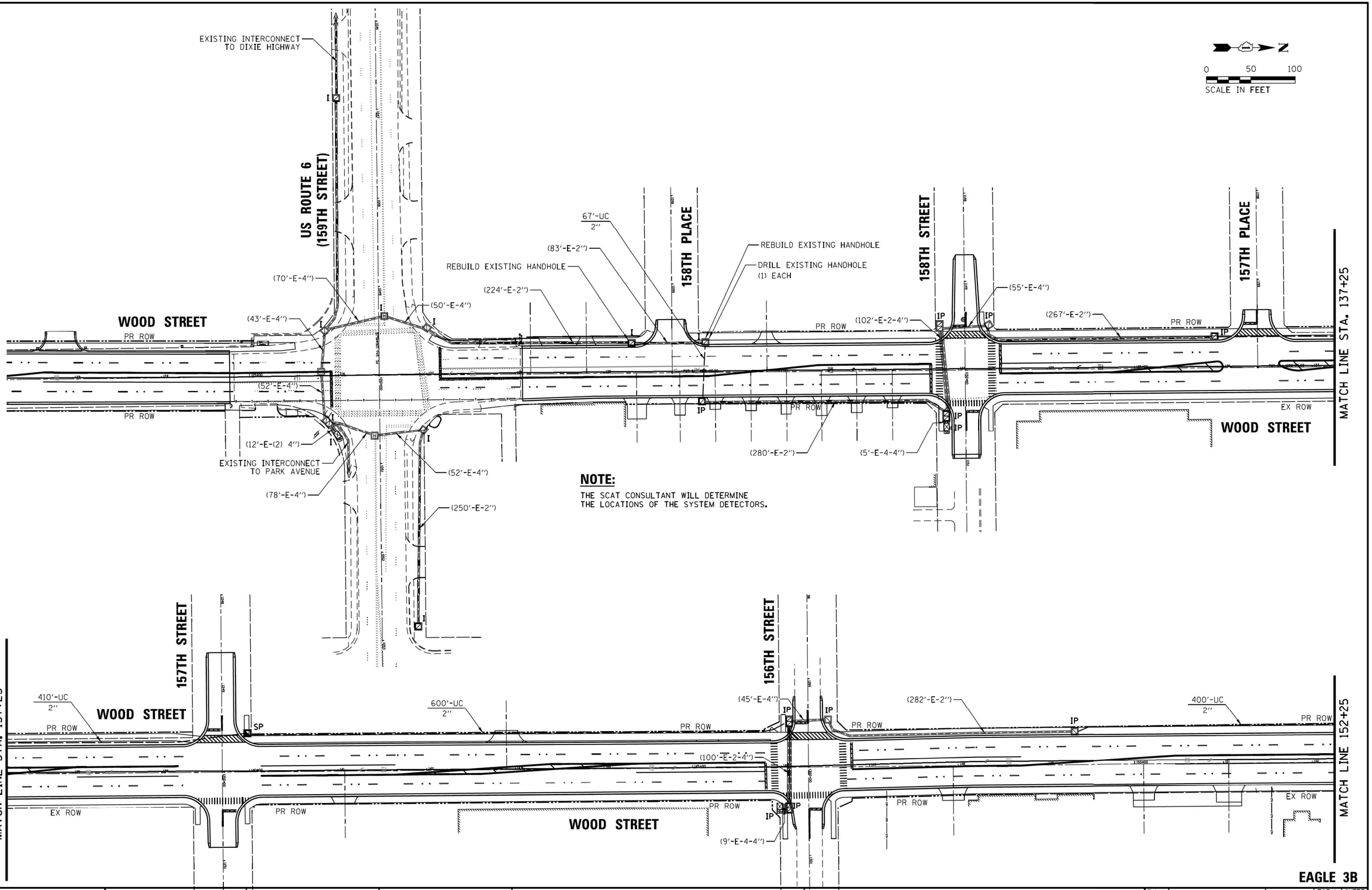
PLAN
SURVEYED
PLOTTED
CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



EAGLE 3B

TS SHT NO. 82

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PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
BY
DATE
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
BY
DATE
GRADES CHECKED
B.M. NOTED
STRUCTURE NO(S).TYP.NO. CHKD

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-20a_INT1_WOOD.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 100'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN – SHEET 1 OF 3
WOOD STREET
FROM 159TH STREET TO IL 83 (SIBLEY BLVD / 147TH STREET)

SCALE: 1" = 100' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	389
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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Rosemont, Illinois 60018
(847) 823-0500

PROFILE — SURVEYED — BY — DATE
PLAN — PLOTTED — CHECKED
NOTE BOOK — GRADES — CHECKED
NO. ____ — BLM. NOTED — R/T. OF WAY CHECKED
STRUCTURE NOTATING CMWD — CADD FILE NAME

TS SHT NO. 83

MATCH LINE 152+25

155TH STREET

WOOD STREET

(77'-E-4")
(267'-E-2")
(101'-E-2-4")
(11'-E-(4) 4")
323'-UC 2"
(95'-E-2-4")
(268'-E-2")
(5'-E-4-4")

154TH STREET

(86'-E-4")
(264'-E-2")
406'-UC 2"
PR ROW

153RD STREET

69'-UC 2"

MATCH LINE 167+25

MATCH LINE 167+25

WOOD STREET

PR ROW

152ND STREET

588'-UC 2"

151ST STREET

525'-UC 2"

540'-UC 2"

MATCH LINE STA. 182+25

0 50 100
SCALE IN FEET

NOTE:

CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL INSTALL FIBER OPTIC CABLE AND TRACER CABLE BETWEEN 150TH STREET AND IL 83 (SIBLEY BLVD) FOR FUTURE USE. NO TERMINATIONS WILL BE MADE FOR THIS FIBER RUN AND THE CABLE SHALL BE COILED AND LABELED AT THE BASE OF THE EXISTING TRAFFIC SIGNAL CABINET AT WOOD STREET AND IL ROUTE 83 (SIBLEY BLVD / 147TH STREET).

MATCH LINE STA. 182+25

WOOD STREET

150TH STREET

(128'-E-2-4")
(280'-E-2")
(252'-E-2")
(69'-E-4")
(5'-E-4-4")

149TH STREET

600'-UC 2"

CONDUIT SPLICE

MATCH LINE STA. 197+25

EAGLE 3B

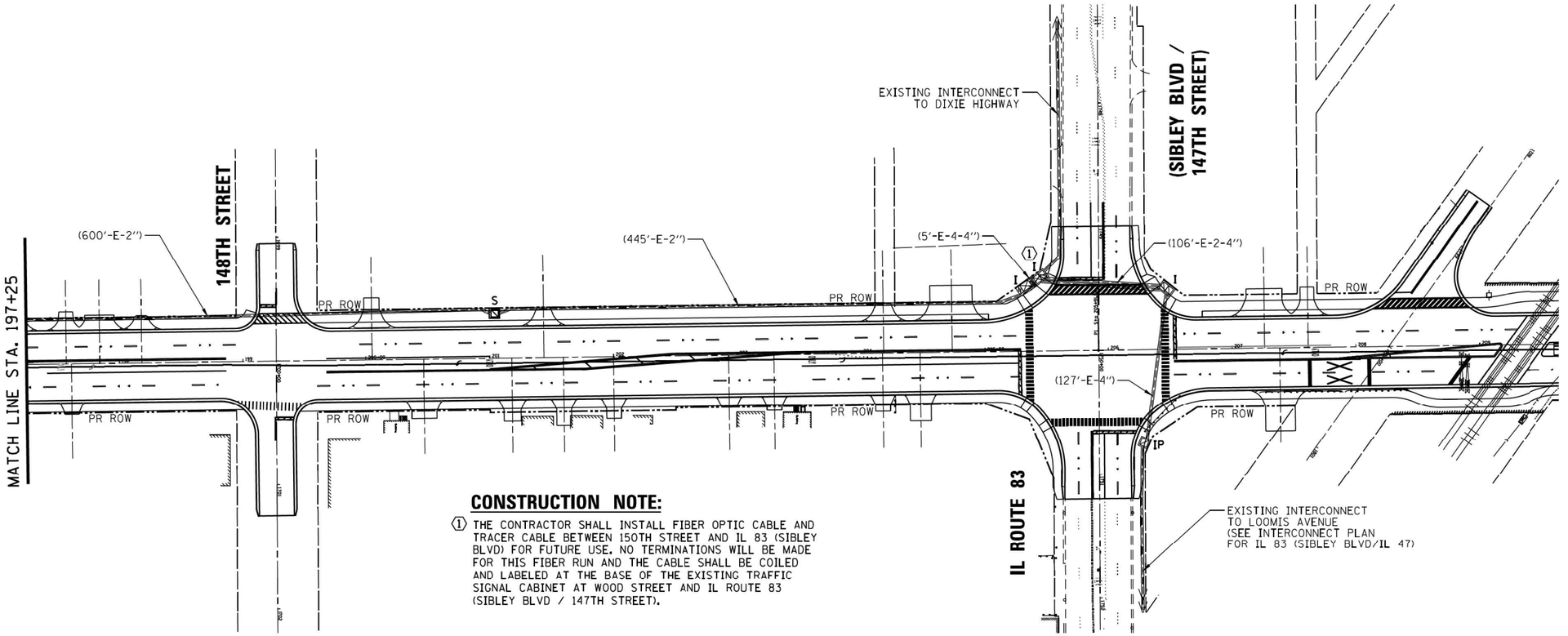
FILE NAME =	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
N:\IDOT\150353\Traffic\Main_Contract\TS-20b_INT2_WOOD.dgn	DRAWN - FPB	REVISED -	
	PLOT SCALE = 100'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN – SHEET 2 OF 3
WOOD STREET
FROM 159TH STREET TO IL 83 (SIBLEY BLVD / 147TH STREET)

SCALE: 1" = 100' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	390
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL INSTALL FIBER OPTIC CABLE AND TRACER CABLE BETWEEN 150TH STREET AND IL 83 (SIBLEY BLVD) FOR FUTURE USE. NO TERMINATIONS WILL BE MADE FOR THIS FIBER RUN AND THE CABLE SHALL BE COILED AND LABELED AT THE BASE OF THE EXISTING TRAFFIC SIGNAL CABINET AT WOOD STREET AND IL ROUTE 83 (SIBLEY BLVD / 147TH STREET).

EAGLE 3B

TS SHT NO. 84

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9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED — DATE; DRAWN — BY; CHECKED — BY; QUANTITIES CHECKED — BY; ALIGNMENT CHECKED — BY; RT. OF WAY CHECKED — BY; NOTE BOOK; NO. ____; CADD FILE NAME

PROFILE: SURVEYED — DATE; PLOTTED — BY; GRADES CHECKED — BY; BKM. NOTED — BY; STRUCTURE NOTATIONS CHKD — BY

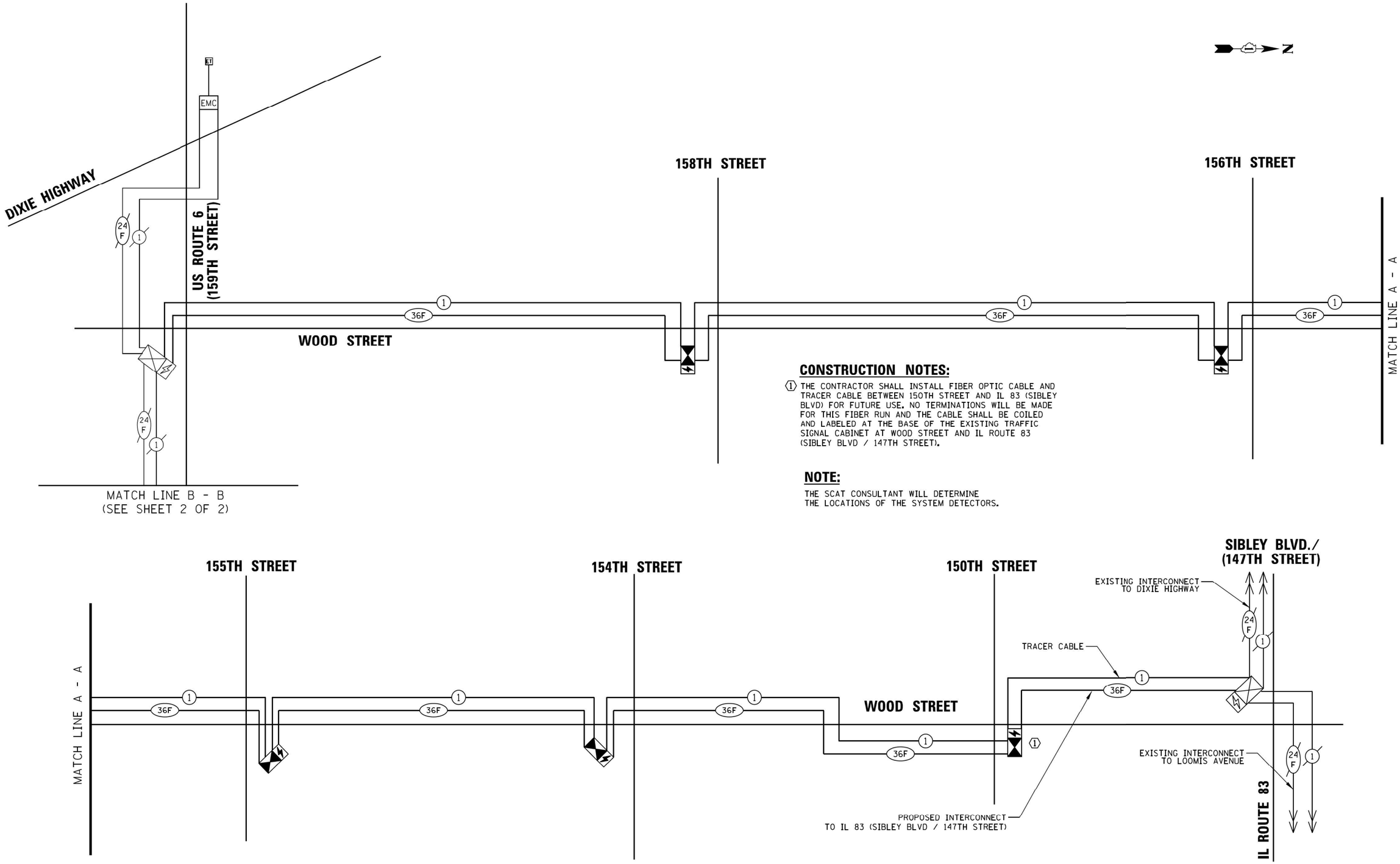
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-20b1_INT3_WOOD.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 100'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN – SHEET 3 OF 3
WOOD STREET
FROM 159TH STREET TO IL 83 (SIBLEY BLVD / 147TH STREET)

SCALE: 1" = 100' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	391
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EAGLE 3B

TS SHT NO. 85

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — CHECKED — ALIGNMENT CHECKED — R.T. OF WAY CHECKED — C-ADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — CHECKED — B.M. NOTED — STRUCTURE NO. — BY — DATE

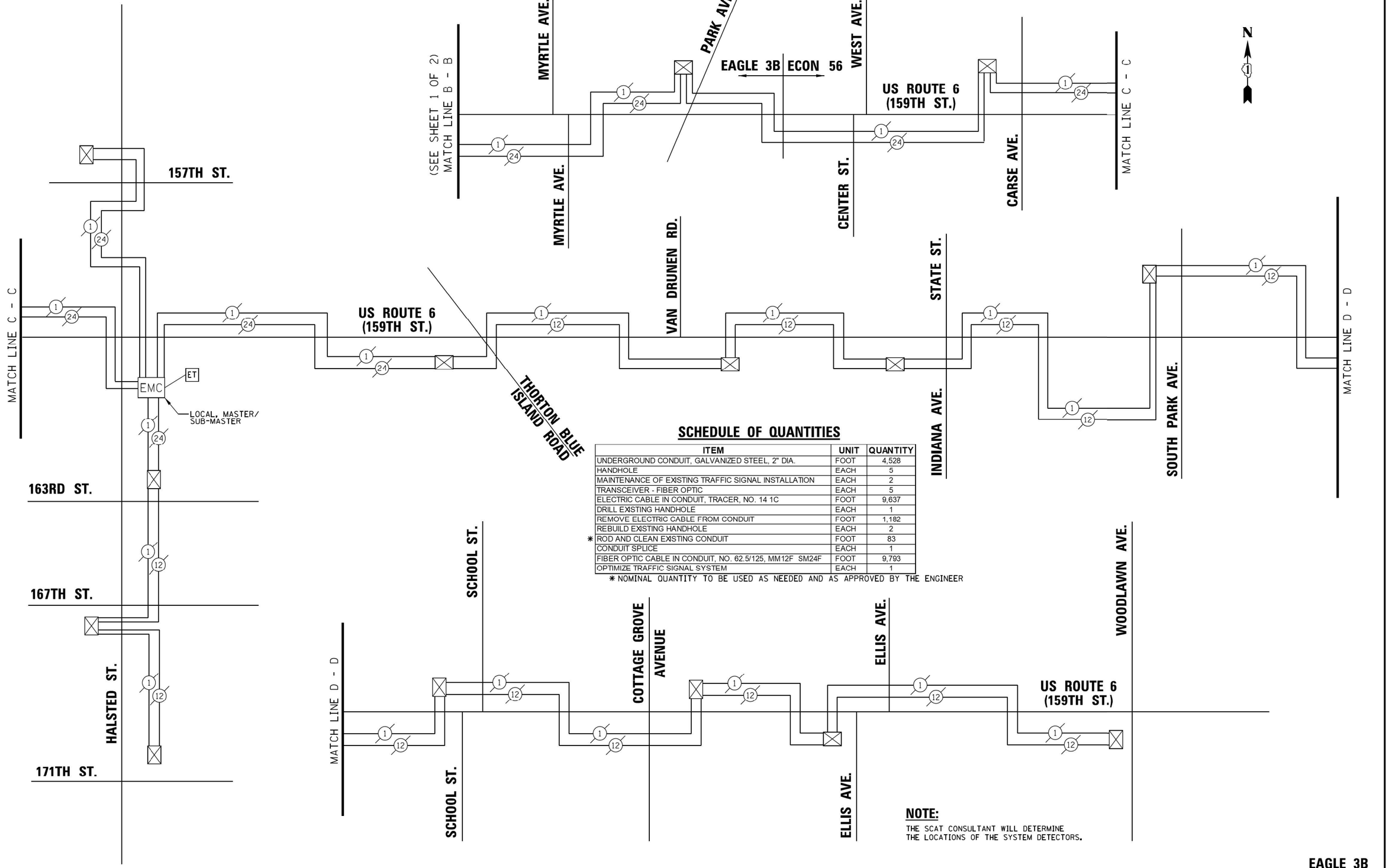
FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-20c_INT-Schl_WOOD.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC – SHEET 1 OF 2
WOOD STREET
FROM 159TH STREET TO 150TH STREET

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	392
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES

	ITEM	UNIT	QUANTITY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4,528
	HANDHOLE	EACH	5
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
	TRANSCEIVER - FIBER OPTIC	EACH	5
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	9,637
	DRILL EXISTING HANDHOLE	EACH	1
	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,182
	REBUILD EXISTING HANDHOLE	EACH	2
*	ROD AND CLEAN EXISTING CONDUIT	FOOT	83
	CONDUIT SPLICE	EACH	1
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	9,793
	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER

NOTE:

THE SCAT CONSULTANT WILL DETERMINE
THE LOCATIONS OF THE SYSTEM DETECTORS.

EAGLE 3B

TS SHT NO. 86

CHRISTOPHER B. BURKE ENGINEERING LTD.
3575 West Higgins Road, Suite 600
Hoffman Estates, Illinois 60169
(847) 923-0500

PLAN — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — DRAWN — CHECKED — BAR. NOTED — STRUCTURE NOTATIONS CHKD
ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME
BY — DATE

PROFILE — NOTE BOOK — NO. ____
SURVEYED — PLOTTED — DRAWN — CHECKED — BAR. NOTED — STRUCTURE NOTATIONS CHKD
BY — DATE

FILE NAME = N:\IDOT\150353\Traffic\Main_Contract\TS-20d_INT-Sch2_WOOD.dgn	USER NAME = ejensen	DESIGNED - EAJ	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 12/6/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC – SHEET 2 OF 2
US ROUTE 6 (159TH STREET)
FROM DIXIE HIGHWAY TO WOODLAWN AVENUE

SCALE: — SHEET NO. — OF — SHEETS — STA. — TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	393
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LIGHTING GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE CITY/ VILLAGE BEFORE THE START OF WORK. ANY COST FOR PERMIT SHALL BE INCLUDED IN THE CONTRACT.

2. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123. FOR THE LOCATIONS OF IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES CALL MEADE ELECTRIC CO. AT (773) 287-7672.

3. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES THE CONTRACTOR SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.

4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.

5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:

   A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.

   B. "THE NATIONAL ELECTRICAL CODE".

   C. MUNICIPAL CODES & STANDARDS.

6. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS, BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST TO THE CONTRACT.

7. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.

8. ALL UNDERGROUND LIGHTING WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, INSTALLED IN SCH 40 HDPE CONDUIT A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.

9. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.

10. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH LUMINAIRE ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.

11. THE LIGHT POLE LOCATIONS SHALL COMPLY WITH THE MINIMUM CLEAR WIDTH FOR AN ACCESSIBLE ROUTE FOR SIDEWALKS PER CURRENT AMERICAN WITH DISABILITIES ACT (ADA) REQUIREMENTS (COMPLY WITH IDOT BDE CHAPTER 17-4.04 AND PROWAG R301.1).

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.

13. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.

14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL PROPOSED ELECTRICAL EQUIPMENT FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED ELECTRICAL EQUIPMENT.

15. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES AND CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.

16. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS. ALL ELECTRICAL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.

17. ALL STEEL SHALL BE FROM DOMESTIC SOURCE.

LIGHTING BILL OF MATERIALS

IDOT CODE NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY
20800150	TRENCH BACKFILL	CY	77
*80400100	ELECTRIC SERVICE INSTALLATION	EACH	2
*80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	105
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	1,520
81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC, 1 1/4" DIA.	FOOT	7,498
81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC, 1 1/2" DIA.	FOOT	5,742
81400100	HANDHOLE	EACH	2
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	6,050
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 6	FOOT	32,886
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 4	FOOT	28,719
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 2	FOOT	345
81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER	FOOT	1,085
*82110007	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	38
*82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	12
*82110009	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	56
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100AMP	EACH	2
83050800	LIGHT POLE, ALUMINUM, 47.5 M.H., 12 FT. MAST ARM	EACH	56
83050810	LIGHT POLE, ALUMINUM, 47.5 M.H., 15 FT. MAST ARM	EACH	1
83057305	LIGHT POLE, WOOD, 55 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	3
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	330
83600365	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8'	EACH	28
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	57
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	8
84200804	REMOVAL OF POLE FOUNDATION	EACH	12
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	4
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
*X0322141	REMOVE TEMPORARY WOOD POLE	EACH	3
*X0327485	MAST ARM, STREET LIGHTING, 15'	EACH	2
*X1400267	REMOVAL OF LIGHTING LUMINAIRE, NO SALVAGE	EACH	2
*X8250091	COMBINATION LIGHTING CONTROLLER	EACH	6
*X8410141	REMOVAL OF TEMPORARY LUMINAIRE	EACH	21
*X8772115	TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	18
*Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	82
*Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	28

ABBREVIATIONS

A	AMPS
CKT	CIRCUIT
CNC	COILABLE NON-METALLIC CONDUIT
DIA	DIAMETER
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
HPS	HIGH PRESSURE SODIUM
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SS	STAINLESS STEEL
STA	STATION
V	VOLTS
W	WATTS
WR	WEATHER RESISTANT

CAUTION!
NOTICE TO CONTRACTOR:

THE CONTRACTOR IS SPECIFICALLY CAUTIONED TO THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

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PLAN — BY | DATE | SURVEYED | DRAWN | CHECKED | QUANTITY CHECKED | R.O.W. CHECKED | PLAN FILE NAME | NOTE BOOK | NO.

PROFILE — SURVEYED | DRAWN | CHECKED | BEAM NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO.

FILE NAME = N:\IDOT\150353\Mech\LGT-01_NOT-01.dgn	USER NAME = rjezierny	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING GENERAL NOTES AND BILL OF MATERIALS WOOD STREET RECONSTRUCTION PROJECT DIXMOOR AND HARVEY, ILLINOIS
		DRAWN DRK/KB/RJJ	REVISED -		
	PLOT SCALE = 40'	CHECKED AJD	REVISED -		
	PLOT DATE = 12/12/2022	DATE 12/12/2022	REVISED -		SCALE: N.T.S. SHEET OF SHEETS STA. - TO STA. -

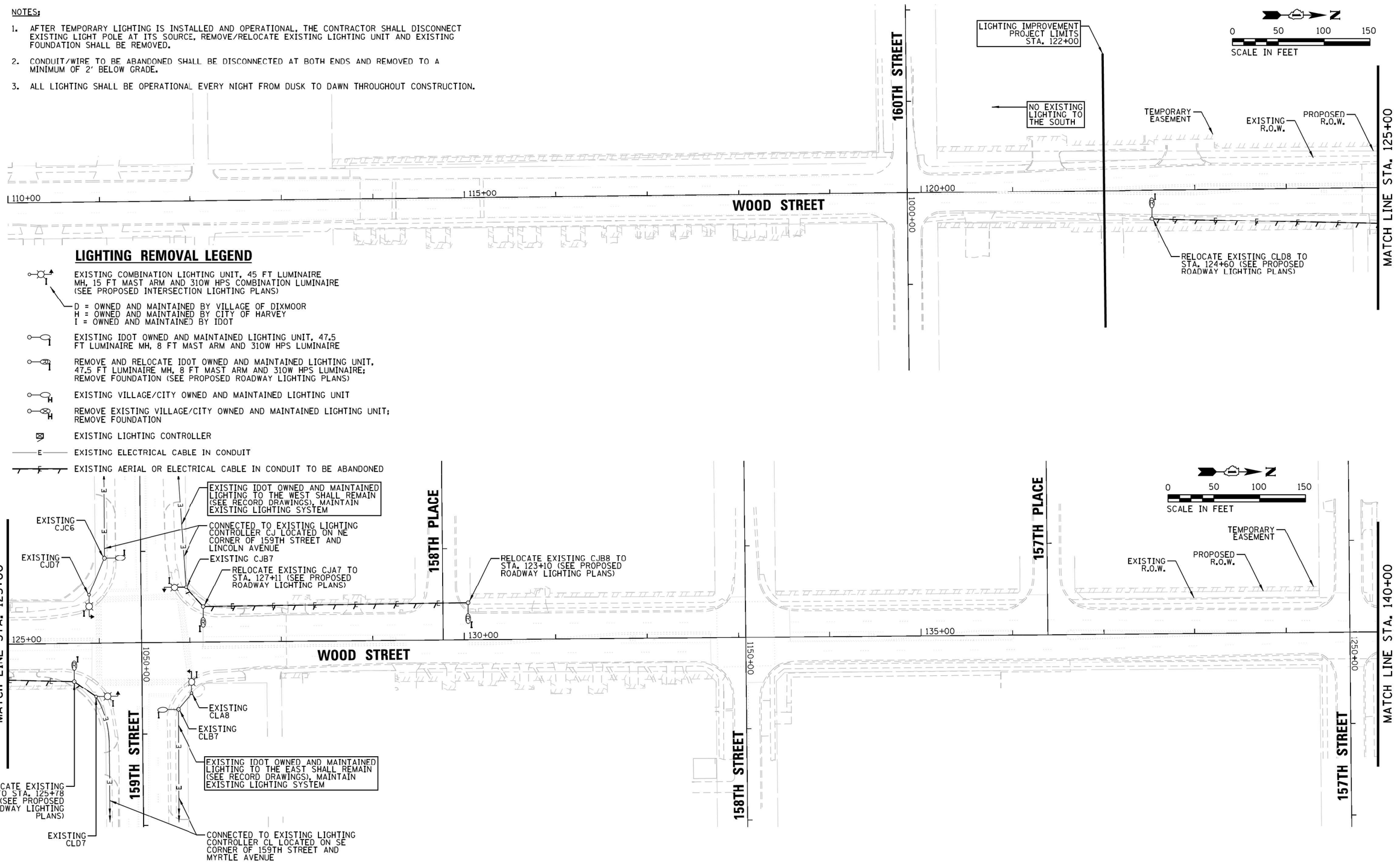
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	394
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

1. AFTER TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL, THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE AT ITS SOURCE, REMOVE/RELOCATE EXISTING LIGHTING UNIT AND EXISTING FOUNDATION SHALL BE REMOVED.
2. CONDUIT/WIRE TO BE ABANDONED SHALL BE DISCONNECTED AT BOTH ENDS AND REMOVED TO A MINIMUM OF 2' BELOW GRADE.
3. ALL LIGHTING SHALL BE OPERATIONAL EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.

LIGHTING REMOVAL LEGEND

- EXISTING COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MH, 15 FT MAST ARM AND 310W HPS COMBINATION LUMINAIRE (SEE PROPOSED INTERSECTION LIGHTING PLANS)
  - D = OWNED AND MAINTAINED BY VILLAGE OF DIXMOOR
  - H = OWNED AND MAINTAINED BY CITY OF HARVEY
  - I = OWNED AND MAINTAINED BY IDOT
- EXISTING IDOT OWNED AND MAINTAINED LIGHTING UNIT, 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE
- REMOVE AND RELOCATE IDOT OWNED AND MAINTAINED LIGHTING UNIT, 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE; REMOVE FOUNDATION (SEE PROPOSED ROADWAY LIGHTING PLANS)
- EXISTING VILLAGE/CITY OWNED AND MAINTAINED LIGHTING UNIT
- REMOVE EXISTING VILLAGE/CITY OWNED AND MAINTAINED LIGHTING UNIT; REMOVE FOUNDATION
- EXISTING LIGHTING CONTROLLER
- EXISTING ELECTRICAL CABLE IN CONDUIT
- EXISTING AERIAL OR ELECTRICAL CABLE IN CONDUIT TO BE ABANDONED



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PROFILE: SURVEYED, PLOTTED, DRAWN, CHECKED, NOTE BOOK, NO.; B.M. NOTED, STRUCTURE NO.; ELEV. CHKD; BY; DATE

FILE NAME = N:\IDOT\150353\Mech\LGT-02_REM-01.dgn	USER NAME = rjezierny	DESIGNED AJD	REVISED -
		DRAWN DRK/KB/RJJ	REVISED -
	PLOT SCALE = 100'	CHECKED AJD	REVISED -
	PLOT DATE = 12/12/2022	DATE 12/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

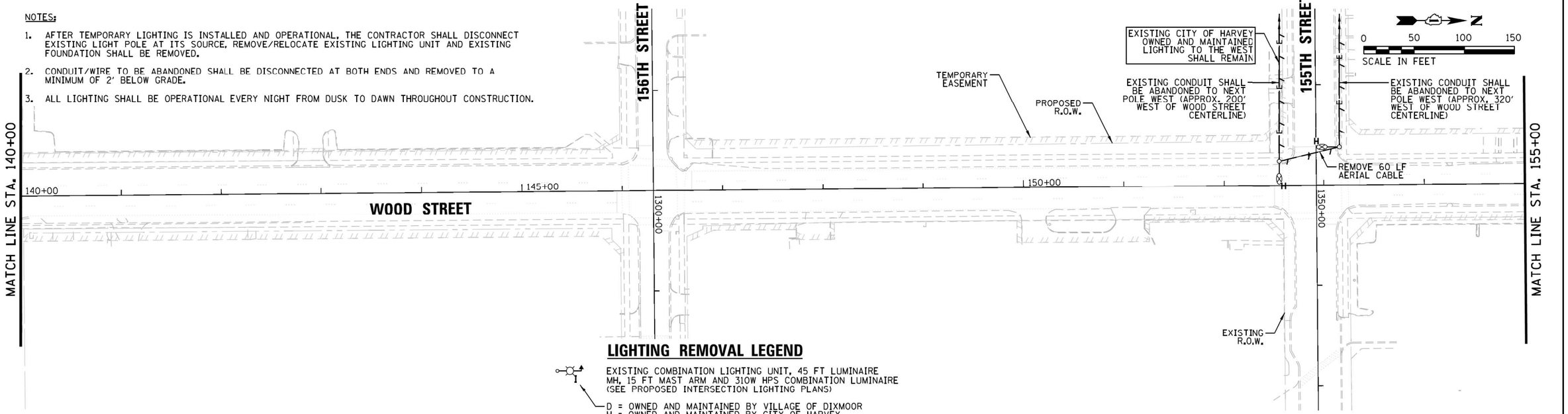
ROADWAY LIGHTING REMOVAL PLAN (1 OF 3)
WOOD STREET RECONSTRUCTION PROJECT
DIXMOOR AND HARVEY, ILLINOIS

SCALE: 1"=100' | SHEET OF SHEETS | STA. 122+00 TO STA. 140+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	395
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

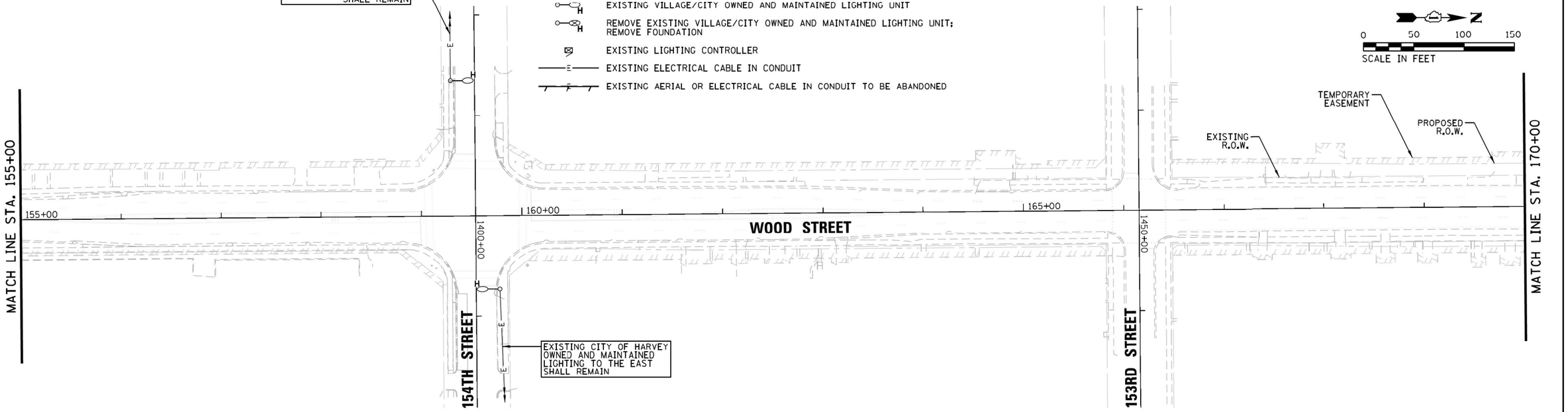
NOTES:

1. AFTER TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL, THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE AT ITS SOURCE, REMOVE/RELOCATE EXISTING LIGHTING UNIT AND EXISTING FOUNDATION SHALL BE REMOVED.
2. CONDUIT/WIRE TO BE ABANDONED SHALL BE DISCONNECTED AT BOTH ENDS AND REMOVED TO A MINIMUM OF 2' BELOW GRADE.
3. ALL LIGHTING SHALL BE OPERATIONAL EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.



LIGHTING REMOVAL LEGEND

- EXISTING COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MH, 15 FT MAST ARM AND 310W HPS COMBINATION LUMINAIRE (SEE PROPOSED INTERSECTION LIGHTING PLANS)
  - D = OWNED AND MAINTAINED BY VILLAGE OF DIXMOOR
  - H = OWNED AND MAINTAINED BY CITY OF HARVEY
  - I = OWNED AND MAINTAINED BY IDOT
- EXISTING IDOT OWNED AND MAINTAINED LIGHTING UNIT, 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE
- REMOVE AND RELOCATE IDOT OWNED AND MAINTAINED LIGHTING UNIT, 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE; REMOVE FOUNDATION (SEE PROPOSED ROADWAY LIGHTING PLANS)
- EXISTING VILLAGE/CITY OWNED AND MAINTAINED LIGHTING UNIT
- REMOVE EXISTING VILLAGE/CITY OWNED AND MAINTAINED LIGHTING UNIT; REMOVE FOUNDATION
- EXISTING LIGHTING CONTROLLER
- EXISTING ELECTRICAL CABLE IN CONDUIT
- EXISTING AERIAL OR ELECTRICAL CABLE IN CONDUIT TO BE ABANDONED



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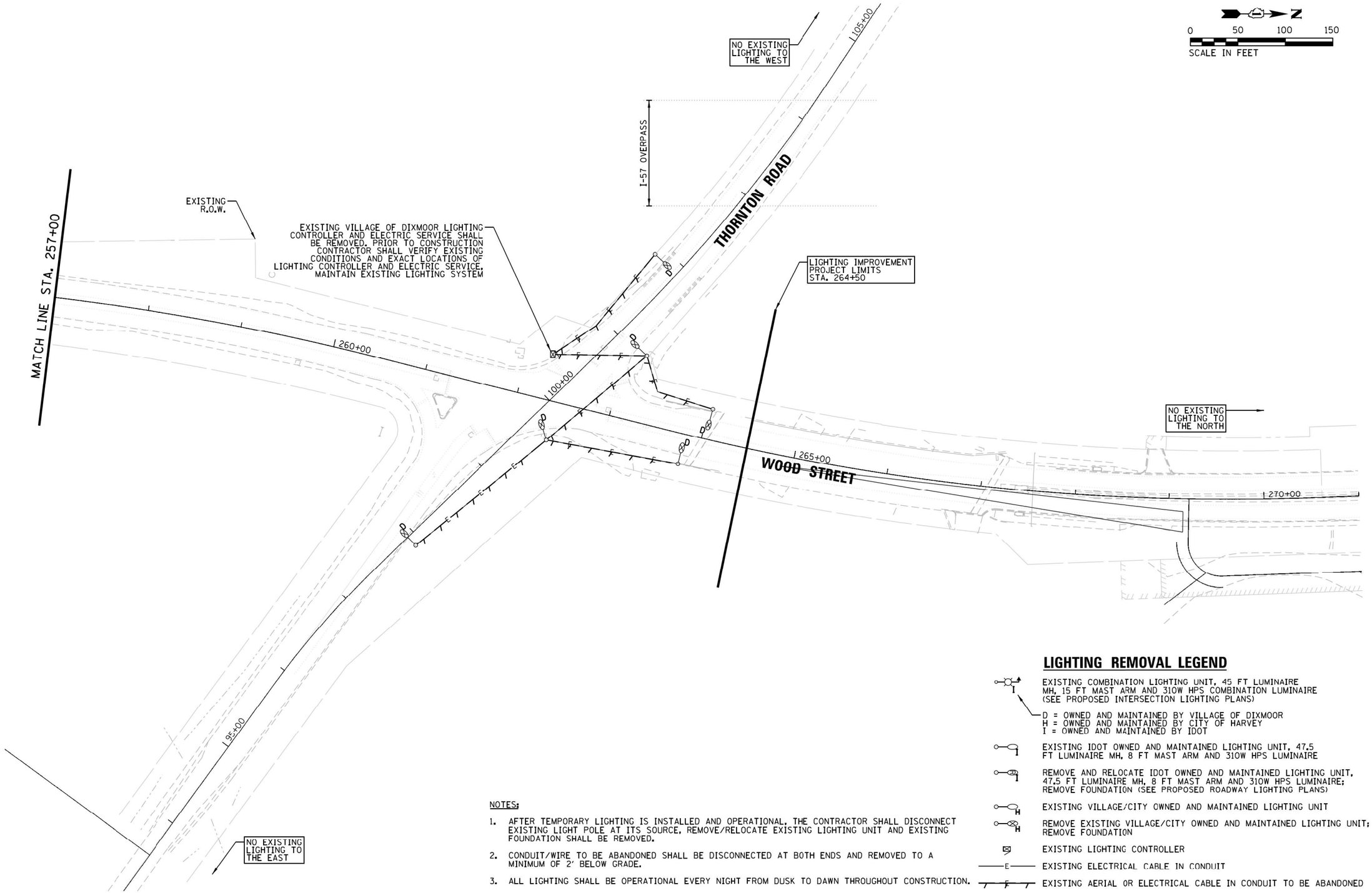
FILE NAME = N:\IDOT\150353\Mech\LGT-03_REM-02.dgn	USER NAME = rjezierny	DESIGNED AJD	REVISED -
		DRAWN DRK/KB/RJJ	REVISED -
	PLOT SCALE = 100'	CHECKED AJD	REVISED -
	PLOT DATE = 12/12/2022	DATE 12/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING REMOVAL PLAN (2 OF 3)
WOOD STREET RECONSTRUCTION PROJECT
DIXMOOR AND HARVEY, ILLINOIS

SCALE: 1"=100' | SHEET OF SHEETS | STA. 140+00 TO STA. 170+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	396
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LIGHTING REMOVAL LEGEND

- EXISTING COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MH, 15 FT MAST ARM AND 310W HPS COMBINATION LUMINAIRE (SEE PROPOSED INTERSECTION LIGHTING PLANS)
  - D = OWNED AND MAINTAINED BY VILLAGE OF DIXMOOR
  - H = OWNED AND MAINTAINED BY CITY OF HARVEY
  - I = OWNED AND MAINTAINED BY IDOT
- EXISTING IDOT OWNED AND MAINTAINED LIGHTING UNIT, 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE
- REMOVE AND RELOCATE IDOT OWNED AND MAINTAINED LIGHTING UNIT, 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE; REMOVE FOUNDATION (SEE PROPOSED ROADWAY LIGHTING PLANS)
- EXISTING VILLAGE/CITY OWNED AND MAINTAINED LIGHTING UNIT
- REMOVE EXISTING VILLAGE/CITY OWNED AND MAINTAINED LIGHTING UNIT; REMOVE FOUNDATION
- EXISTING LIGHTING CONTROLLER
- E — EXISTING ELECTRICAL CABLE IN CONDUIT
- F — EXISTING AERIAL OR ELECTRICAL CABLE IN CONDUIT TO BE ABANDONED

NOTES:

1. AFTER TEMPORARY LIGHTING IS INSTALLED AND OPERATIONAL, THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE AT ITS SOURCE, REMOVE/RELOCATE EXISTING LIGHTING UNIT AND EXISTING FOUNDATION SHALL BE REMOVED.
2. CONDUIT/WIRE TO BE ABANDONED SHALL BE DISCONNECTED AT BOTH ENDS AND REMOVED TO A MINIMUM OF 2' BELOW GRADE.
3. ALL LIGHTING SHALL BE OPERATIONAL EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.

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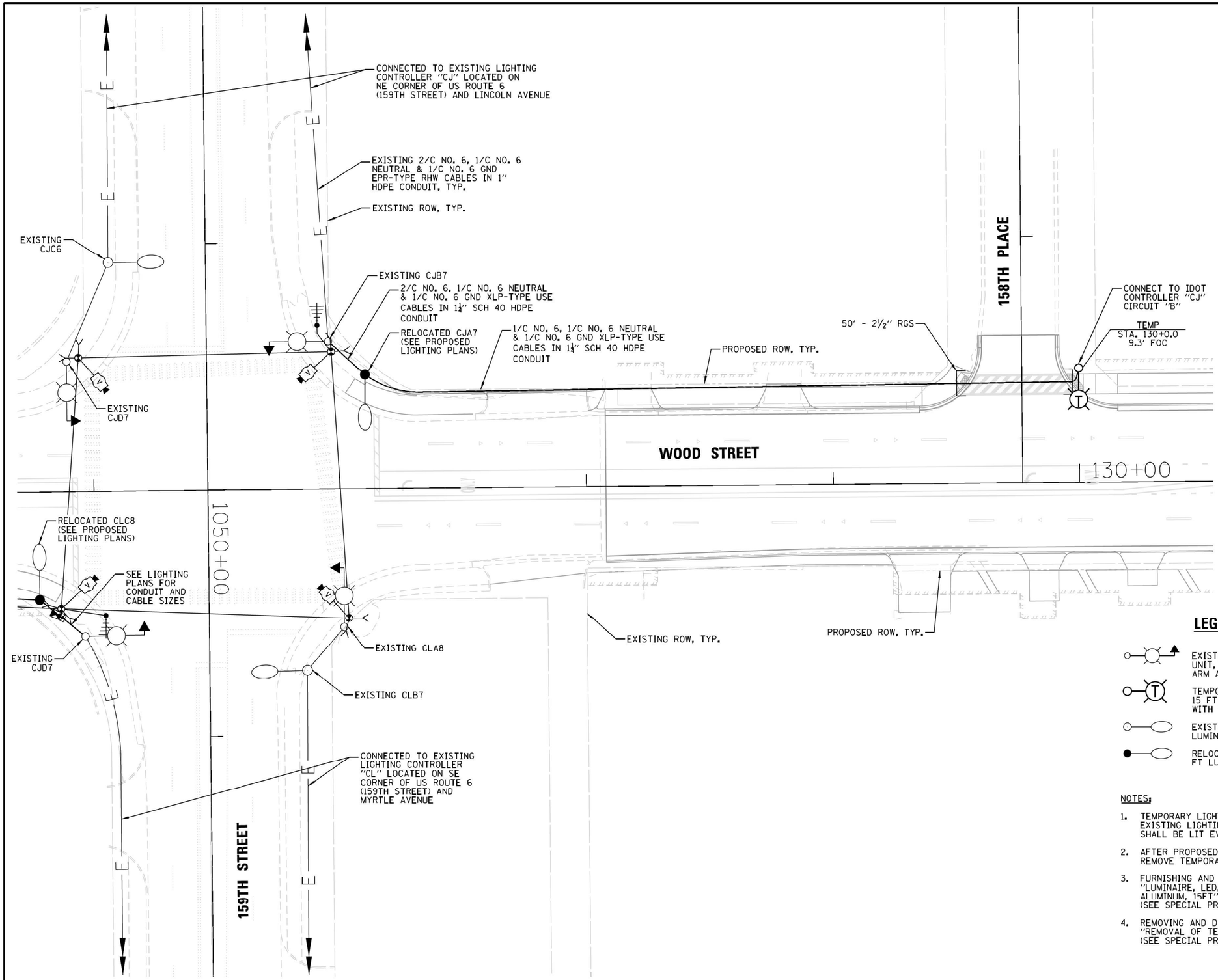
FILE NAME = N:\IDOT\150353\Mech\LGT-04_REM-03.dgn	USER NAME = rjezierny	DESIGNED AJD	REVISED -
		DRAWN DRK/KB/RJJ	REVISED -
	PLOT SCALE = 100'	CHECKED AJD	REVISED -
	PLOT DATE = 12/12/2022	DATE 12/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING REMOVAL PLAN (3 OF 3)
WOOD STREET RECONSTRUCTION PROJECT
DIXMOOR AND HARVEY, ILLINOIS

SCALE: 1"=100' | SHEET OF SHEETS | STA. 257+00 TO STA. 264+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	397
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- EXISTING IDOT OWNED AND MAINTAINED COMBINATION LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT LUMINAIRE ARM AND 310W HPS LUMINAIRE WITH TYPE III DISTRIBUTION
- TEMPORARY LIGHTING UNIT, 47.5 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND LED LUMINAIRE (OUTPUT DESIGNATION H), 120V, WITH TYPE III DISTRIBUTION
- EXISTING IDOT OWNED AND MAINTAINED LIGHTING UNIT 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE
- RELOCATED IDOT OWNED AND MAINTAINED LIGHTING UNIT, 47.5 FT LUMINAIRE MH, 8 FT MAST ARM AND 310W HPS LUMINAIRE

NOTES:

1. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
2. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING.
3. FURNISHING AND INSTALLING TEMPORARY LIGHTING SHALL BE PAID FOR UNDER "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H", "TEMPORARY MAST ARM, ALUMINUM, 15FT" ND "AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER" (SEE SPECIAL PROVISION).
4. REMOVING AND DISPOSING TEMPORARY LIGHTING SHALL BE PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE" AND "REMOVAL OF TEMPORARY WOOD POLE" (SEE SPECIAL PROVISION).

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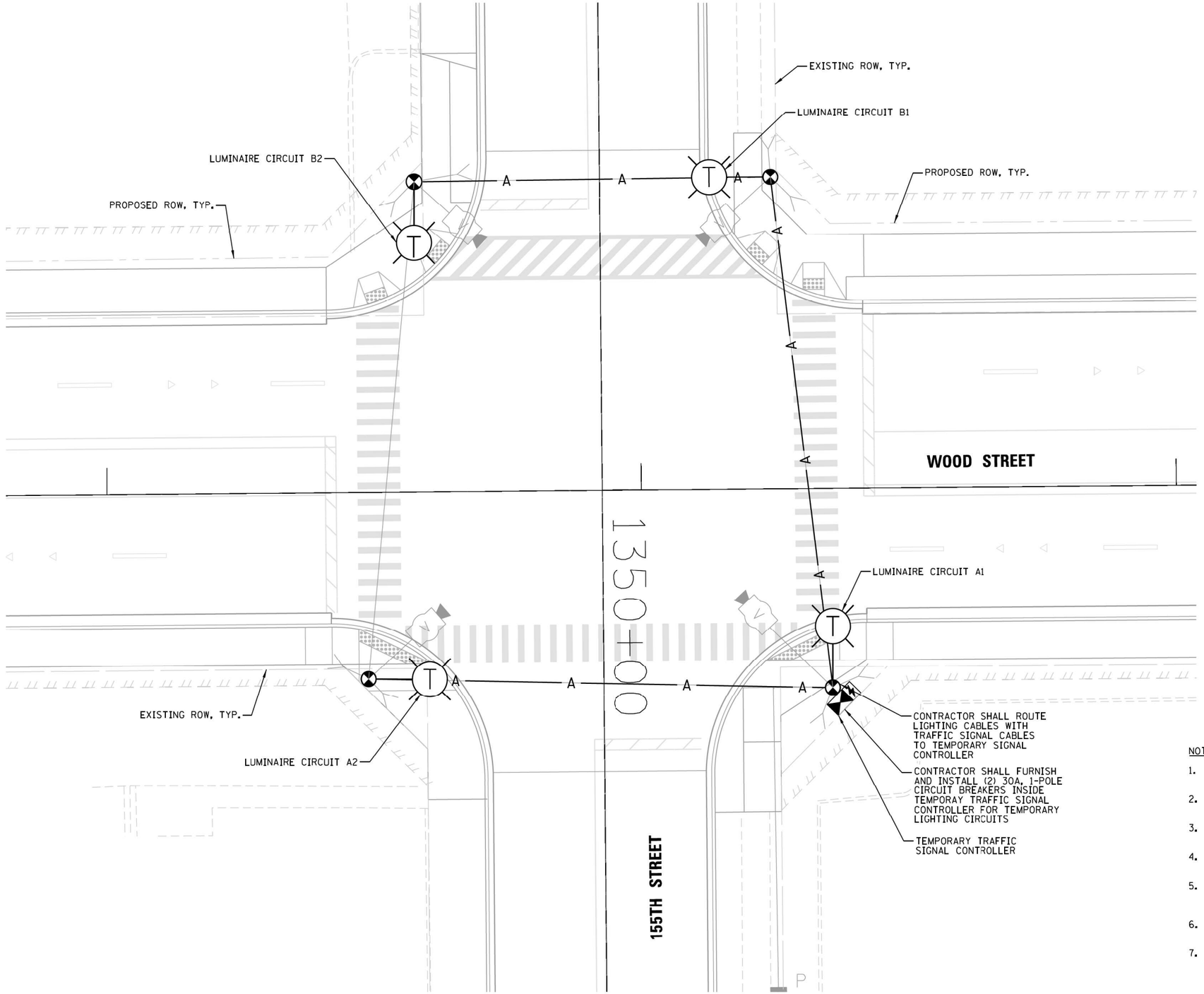
FILE NAME = N:\IDOT\150353\Mech\LGT-05_INTTEMP_159.dgn	USER NAME = rjezierny	DESIGNED AJD	REVISED -
		DRAWN DRK/KB/RJJ	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
	PLOT DATE = 12/12/2022	DATE 12/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION TEMPORARY LIGHTING PLAN (1 OF 4)
WOOD STREET RECONSTRUCTION PROJECT
DIXMOOR AND HARVEY, ILLINOIS

SCALE: 1"=40' | SHEET OF SHEETS | STA. - | TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	398
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



N

0 10 20 30

SCALE IN FEET

LEGEND

PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 40 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND LED LUMINAIRE (OUTPUT DESIGNATION G), 120V, WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL

— A — 2/C #8 AERIAL CABLES ROUTED WITH OVERHEAD SIGNAL CABLES (SEE NOTE 3)

NOTES:

1. THE PROPOSED TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
2. TEMPORARY COMBINATION POLE LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. TEMPORARY LIGHTING CABLE WILL BE ATTACHED AERIALLY TO TRAFFIC SIGNAL MESSANGER WIRE.
4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES AND CONTROLLER.
5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
6. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING.
7. FURNISHING AND INSTALLING TEMPORARY LIGHTING SHALL BE PAID FOR UNDER "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G", "TEMPORARY MAST ARM, ALUMINUM, 15FT" AND "AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER" (SEE SPECIAL PROVISION).
8. REMOVING AND DISPOSING TEMPORARY LIGHTING SHALL BE PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE" AND "REMOVAL OF TEMPORARY WOOD POLE" (SEE SPECIAL PROVISION).

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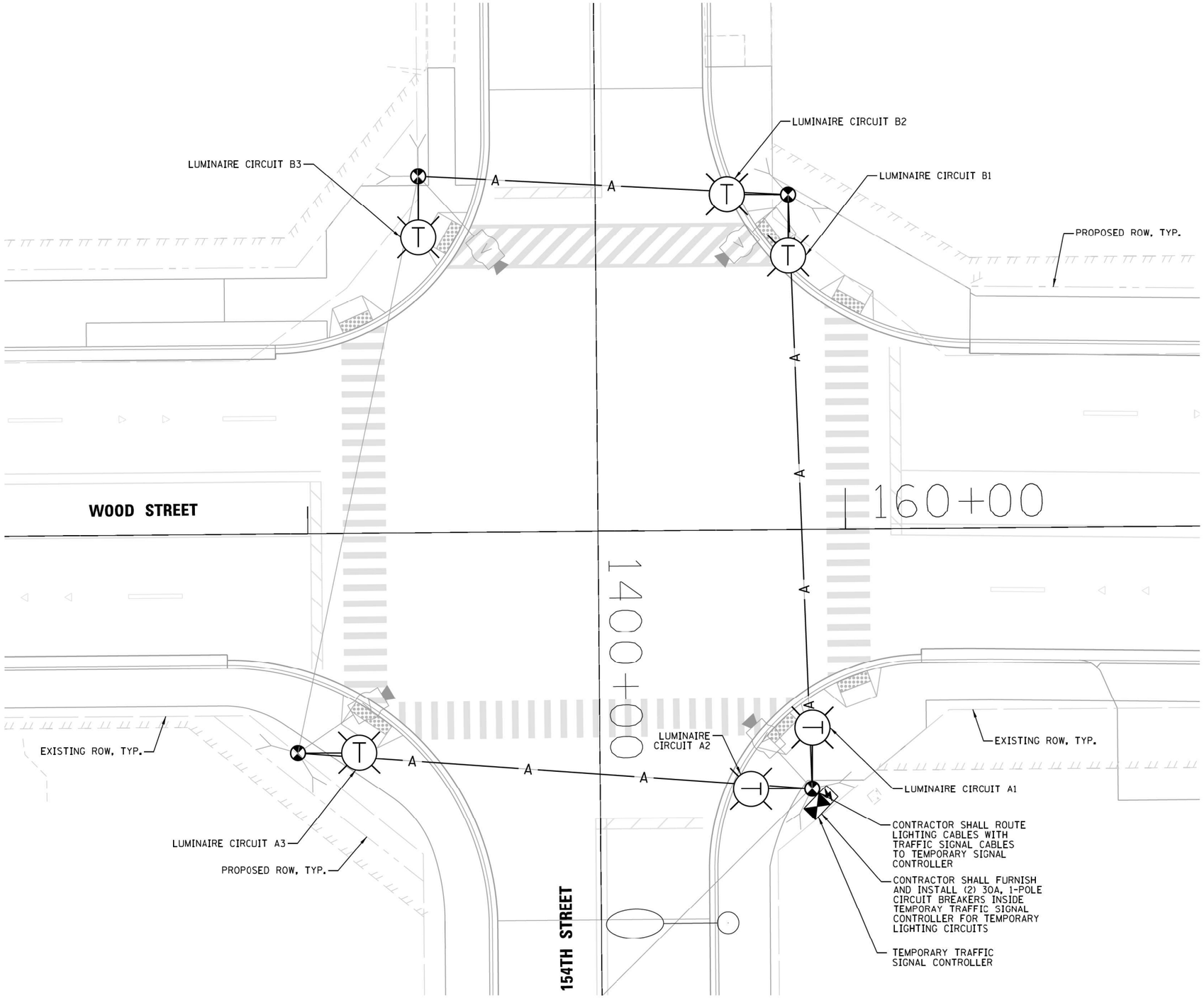
FILE NAME = N:\IDOT\150353\Mech\LGT-06_INTTEMP_155.dgn	USER NAME = rjezierny	DESIGNED AJD	REVISED -
		DRAWN DRK/KB/RJJ	REVISED -
	PLOT SCALE = 20'	CHECKED AJD	REVISED -
	PLOT DATE = 12/12/2022	DATE 12/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION TEMPORARY LIGHTING PLAN (2 OF 4)
WOOD STREET RECONSTRUCTION PROJECT
DIXMOOR AND HARVEY, ILLINOIS

SCALE: 1"=20' | SHEET OF SHEETS | STA. - | TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	399
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



N

0 10 20 30

SCALE IN FEET

LEGEND

- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND TWO LED LUMINAIRES (OUTPUT DESIGNATION G), 120V, ORIENTATED AT 90° WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- PROPOSED COMBINATION TEMPORARY LIGHTING UNIT, 45 FT LUMINAIRE MOUNTING HEIGHT, 15 FT MAST ARM AND LED LUMINAIRE (OUTPUT DESIGNATION G), 120V, WITH TYPE III DISTRIBUTION AND INTEGRAL PHOTOCELL
- EXISTING CITY OF HARVEY OWNED AND MAINTAINED LIGHTING UNIT TO REMAIN
- A — 2/C #8 AERIAL CABLES ROUTED WITH OVERHEAD SIGNAL CABLES (SEE NOTE 3)

NOTES:

1. THE PROPOSED TEMPORARY COMBINATION LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS, UNLESS OTHERWISE SHOWN.
2. TEMPORARY COMBINATION POLE LUMINAIRES ARE POWERED FROM TEMPORARY TRAFFIC CONTROLLER. SEE TRAFFIC SIGNAL PLANS.
3. TEMPORARY LIGHTING CABLE WILL BE ATTACHED AERIALLY TO TRAFFIC SIGNAL MESSANGER WIRE.
4. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR LOCATION OF TEMPORARY COMBINATION POLES, AERIAL CABLES AND CONTROLLER.
5. TEMPORARY LIGHTING SHALL BE INSTALLED AND OPERATIONAL BEFORE ANY EXISTING LIGHTING CAN BE DISCONNECTED/REMOVED. THE TEMPORARY LIGHTING SHALL BE LIT EVERY NIGHT FROM DUSK TO DAWN THROUGHOUT CONSTRUCTION.
6. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, CONTRACTOR SHALL REMOVE TEMPORARY LIGHTING.
7. FURNISHING AND INSTALLING TEMPORARY LIGHTING SHALL BE PAID FOR UNDER "LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G", "TEMPORARY MAST ARM, ALUMINUM, 15FT" AND "AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER" (SEE SPECIAL PROVISION).
8. REMOVING AND DISPOSING TEMPORARY LIGHTING SHALL BE PAID FOR UNDER "REMOVAL OF TEMPORARY LUMINAIRE" AND "REMOVAL OF TEMPORARY WOOD POLE" (SEE SPECIAL PROVISION).

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PROFILE — SURVEYED: BY; PLOTTED: DATE; CHECKED: BY; BKM. NOTED: DATE; STRUCTURE NO(S).(TYP.)(S) CHKD: ; NOTE BOOK: ; NO.: ;

FILE NAME = N:\IDOT\150353\Mech\LGT-07_INTTEMP_154.dgn	USER NAME = rjezierny	DESIGNED AJD	REVISED -
		DRAWN DRK/KB/RJJ	REVISED -
	PLOT SCALE = 20'	CHECKED AJD	REVISED -
	PLOT DATE = 12/12/2022	DATE 12/12/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION TEMPORARY LIGHTING PLAN (3 OF 4)
WOOD STREET RECONSTRUCTION PROJECT
DIXMOOR AND HARVEY, ILLINOIS

SCALE: 1"=20' | SHEET OF SHEETS | STA.- | TO STA.-

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	(145,146&146S-2)WRS&B-1	COOK	686	400
		CONTRACT NO. 60Y72		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		