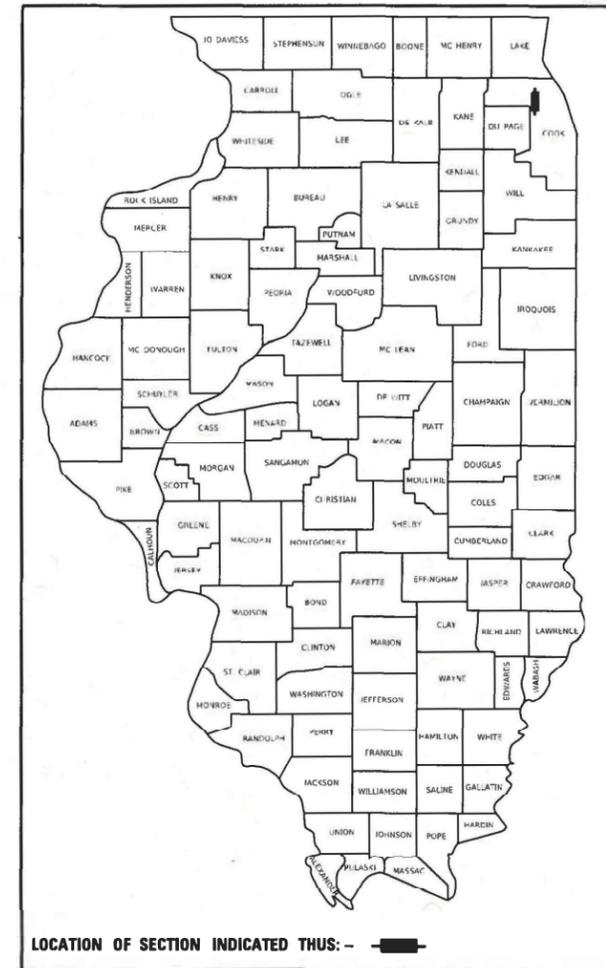


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR...	2021-179-SW	COOK	96	1
		ILLINOIS	CONTRACT NO. 62R00	

* 96 + 2 = 98 TOTAL SHEETS

D-91-078-22



LOCATION OF SECTION INDICATED THUS: -- [black rectangle] --

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITY OF DES PLAINES

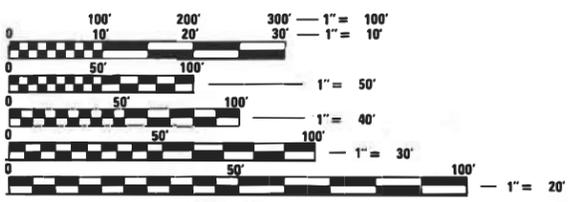
PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
VARIOUS LOCATIONS (ADA RAMPS-MAINE TOWNSHIP)
SECTION: 2021-179-SW

ADA IMPROVEMENTS
COOK COUNTY
C-91-072-22

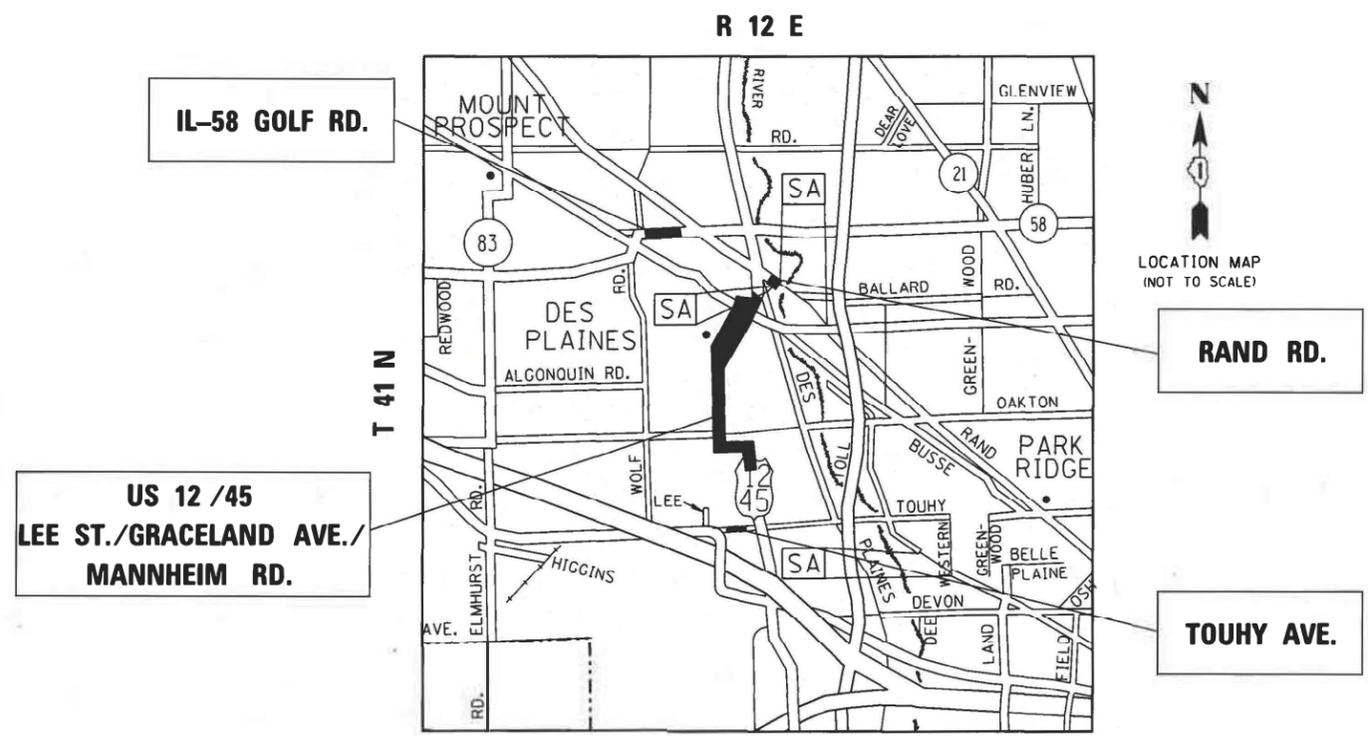
TRAFFIC DATA:

FOR TRAFFIC DATA,
SEE SHEETS No. 5-14



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811



PROJECT ENGINEER : LUKASZ POCIECHA (847) 705-4225
PROJECT MANAGER: VESELIN VELICHKOV

GROSS LENGTH & NET LENGTH = NA (SPOT IMPROVEMENTS)

CONTRACT NO. 62R00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Aug 13th 2024
Joselyn Jones IR

October 4, 2024
Jan E.A. Etk
REGIONAL ENGINEER
ENGINEER OF DESIGN AND ENVIRONMENT

October 4, 2024
James J. Jones
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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2	INDEX OF SHEETS, STANDARDS, GENERAL NOTES AND COMMITMENTS
3-5	SUMMARY OF QUANTITIES
6-7	SCHEDULE OF QUANTITIES
8-16	TRAFFIC DATA SHEETS
17	DISTRICT 1 - MAST ARM MOUNTED STREET NAME SIGNS (TS-02)
18-24	DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
25-41	TRAFFIC SIGNAL MODERNIZATION PLAN DETAILS
42-91	CURB RAMP PLAN
92	ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)
93	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
94	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
95	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
95A	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
95B	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
96	DRIVEWAY ENTRANCE SIGNING (TC-26)

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLER CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	URBAN LANE CLOSURE, 2L, 2W, MOVING OPERATION DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR SIDEWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- FRAMES AND GRATES ADJUSTMENTS OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAH-HOSADURGA@ILLINOIS.GOV A BEGINNING WORK.
- THE ENGINEER SHALL CONTACT FADI SULTIN, AREA TRAFFIC FIELD ENGINEER, AT (847) 772-4058 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- WHEN EXISTING SIDEWALK IS TO BE REMOVED WITHOUT PROPOSED SIDEWALK REPLACEMENT, IT SHALL BE REPLACED WITH TOPSOIL AND SOD.
- THE CONTRACTOR SHALL USE CARE IN REMOVING, EXCAVATING OR GRADING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL NOT PERFORM CONSTRUCTION ACTIVITIES OR PARK VEHICLES INSIDE THE RAILROAD GATE AREA OR NEAR THE CROSSING.

COMMITMENTS

- THERE ARE NO COMMITMENTS ON THIS PROJECT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
PAVEMENT RESTORATION		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

MODEL: GenNotesSh01 (Sheet)
FILE NAME: c:\pw_wor\kvw\chris\chris.babu@illinois.gov\1017435\1017435-2-sht-gemnote.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP) INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED -				2021-179-SW	COOK	96	2		
PLOT SCALE = 0.16666633 / in.	CHECKED -	REVISED -			CONTRACT NO. 62R00					
PLOT DATE = 8/20/2024	DATE -	REVISED -			SCALE:	SHEET	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0021 80% FED 20% STATE ADA SIDEWALK	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	11	11				
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	11	11				
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	11	11				
20200100	EARTH EXCAVATION	CU YD	129	129				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	925	925				
25200110	SODDING, SALT TOLERANT	SQ YD	925	925				
25200200	SUPPLEMENTAL WATERING	UNIT	13.9	13.9				
40600290	BITUMINOUS MATERIAL (TACK COAT)	POUND	195	195				
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	49	49				
42001300	PROTECTIVE COAT	SQ YD	1938	1938				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13395	13395				
42400800	DETECTABLE WARNINGS	SQ FT	1016	1016				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	433	433				
44000600	SIDEWALK REMOVAL	SQ FT	13545	13545				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0021 80% FED 20% STATE ADA SIDEWALK	0021 80% FED 20% STATE TRAFFIC SIGNALS	0005 100% STATE		
60255500	MANHOLES TO BE ADJUSTED	EACH	7	7				
60260100	INLETS TO BE ADJUSTED	EACH	28	28				
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4				
60406000	FRAME AND LIDS, TYPE 1, OPEN LID	EACH	7	7				
60406100	FRAME AND LIDS, TYPE 1, CLOSED LID	EACH	2	2				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	129	129				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10				
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1				
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	8	8				
67100100	MOBILIZATION	L SUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				

* = SPECIALTY ITEMS

MODEL: SOC001 [Sheet]
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PLOT DATE = 8/16/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENTS (MAINE TOWNSHIP)
SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR.	2021-179-SW	COOK	96	3
			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0021 100% STATE ADA SIDEWALK	0021 100% STATE TRAFFIC SIGNALS	0005 100% STATE		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	4619	4619				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	999	999				
* 78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3000	3000				
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	803		803			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8		8			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 2C	FOOT	8757		8757			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 3C	FOOT	810		810			
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 7C	FOOT	216		216			
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1254		1254			
* 87900200	DRILL EXISTING HANDHOLE	EACH	41		41			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10		10			
88600100	DETECTOR LOOP, TYPE I	FOOT	561		561			
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1		1			
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1		1			

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT			0021 100% STATE ADA SIDEWALK	0021 100% STATE TRAFFIC SIGNALS	0005 100% STATE		
* 89502200	MODIFY EXISTING CONTROLLER	EACH	7		7				
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1213		1213				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5		5				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	14		14				
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	150	150					
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3		3				
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	38		38				
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	88	88					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1935	1935					
X5537800	STORM SEWERS TO BE CLEANED, 12"	FOOT	270			270			
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6					
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	68		68				

* = SPECIALTY ITEMS

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89502200	MODIFY EXISTING CONTROLLER	DESIGNED BY	7	REVISED -	7
		DRAWN -		REVISED -	
		CHECKED -		REVISED -	
		DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENTS (MAINE TOWNSHIP)
SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	4
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

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ID	MUNICIPALITY	LOCATION	CORNER	20200100	21101615	25200110	25200200	40604062	42001300	42400200	42400800	44000157	44000600	60255500	60260100	60266600	78000600	78000650	89502376	X4400501	X4400503		
				EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SIDEWALK REMOVAL	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED	VALVE BOXES TO BE ADJUSTED	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	REBUILD EXISTING HANDHOLE	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET		
				CU YD	SQ YD	SQ YD	UNIT	TON	SQ YD	SQ FT	SQ FT	SQ YD	SQ FT	EACH	EACH	EACH	FOOT	FOOT	EACH	FOOT	FOOT		
1	Des Plaines	IL Route 58 and 7th Street	NW	0.7	27.0	27.0	0.41	0.2	1.6	0	0	1.6	67								7		
2	Des Plaines	IL Route 58 and 7th Street	NE	0.7	27.0	27.0	0.41	0.2	1.6	0	0	1.6	68									7	
3	Des Plaines	IL Route 58 and 7th Street	SW	0.6	26.0	26.0	0.39	0.2	2.0	0	0	2.0	62									9	
4	Des Plaines	IL Route 58 and 7th Street	SE	0.6	26.0	26.0	0.39	0.2	1.8	0	0	1.8	62				54	15				8	
5	Des Plaines	IL Route 58 and 6th Street	NW	2.3	15.5	15.5	0.23	0.8	33.0	233	30	7.1	233		1		91	13					32
6	Des Plaines	IL Route 58 and 6th Street	NE	1.8	12.3	12.3	0.18	0.9	28.4	184	23	8.0	184				98	36					36
7	Des Plaines	IL Route 58 and 6th Street	SW	1.1	7.1	7.1	0.11	0.2	13.8	106	20	2.0	106			1	91	33				9	
8	Des Plaines	IL Route 58 and 6th Street	SE	2.0	13.1	13.1	0.20	0.2	23.8	196	20	2.0	196		1	1	98	17				9	
9	Des Plaines	IL Route 58 and 5th Street	NW	1.2	30.0	30.0	0.45	0.5	10.0	50	0	4.4	124										20
10	Des Plaines	IL Route 58 and 5th Street	NE	3.9	33.2	33.2	0.50	0.5	29.5	228	10	4.2	386				54	16					19
11	Des Plaines	IL Route 58 and 5th Street	SW	0.7	27.0	27.0	0.41	0.2	2.0	0	0	2.0	65				54					9	
12	Des Plaines	IL Route 58 and 4th Street	SW	1.4	55.0	55.0	0.83	0.5	4.4	0	0	4.4	138										20
13	Des Plaines	US 12 / 45 (Lee Street) and Brown Street	SW	5.6	1.0	1.0	0.02	1.0	71.4	559	15	9.3	559		1		48	12					42
14	Des Plaines	US 12 / 45 (Lee Street) and Perry Street	NW	4.2	28.2	28.2	0.42	1.9	63.6	423	23	16.6	423		1		108	32	1				75
15	Des Plaines	US 12 / 45 (Lee Street) and Perry Street	NE	3.9	25.7	25.7	0.39	1.7	57.6	386	24	14.7	386		1		111	28					66
16	Des Plaines	US 12 / 45 (Lee Street) and Perry Street	SW	4.6	10.0	10.0	0.15	1.5	64.9	460	35	13.7	460				111	22					62
17	Des Plaines	US 12 / 45 (Lee Street) and Perry Street	SE	5.4	35.9	35.9	0.54	2.1	78.4	539	28	18.5	539		1		114	31	1				83
18	Des Plaines	US 12 / 45 (Lee Street) and Jefferson Street	NW	2.3	15.6	15.6	0.23	1.4	38.6	234	11	12.6	234										57
19	Des Plaines	US 12 / 45 (Lee Street) and Jefferson Street	SE	1.2	7.9	7.9	0.12	0.5	17.7	118	10	4.6	118				54						21
20	Des Plaines	US 12 / 45 (Lee Street) and Jefferson Street	MED	0.3	2.0	2.0	0.03	0.2	5.6	30	10	2.2	30				36						10
21	Des Plaines	US 12 / 45 (Graceland Avenue) and Webford Road	SW	3.5	1.5	1.5	0.02	0.9	46.2	346	13	7.8	346				42	8					35
22	Des Plaines	US 12 / 45 (Graceland Avenue) and Prairie Avenue	NW	2.1	15.7	15.7	0.24	1.2	37.1	236	20	10.8	214		1		75	35	1				49
23	Des Plaines	US 12 / 45 (Graceland Avenue) and Prairie Avenue	NE	0.0	0.0	0.0	0.00	0.0	0.0	0	0	0.0	0				69	22					0
24	Des Plaines	US 12 / 45 (Graceland Avenue) and Prairie Avenue	SW	1.4	10.6	10.6	0.16	0.6	23.4	160	20	5.7	138				87	18					26
25	Des Plaines	US 12 / 45 (Graceland Avenue) and Prairie Avenue	SE	1.6	13.1	13.1	0.20	1.0	30.4	197	20	8.5	159				81						38
26	Des Plaines	US 12 / 45 (Graceland Avenue) and Marion Street	NW	2.6	19.0	19.0	0.29	1.0	32.4	210	10	9.0	257		1								41
27	Des Plaines	US 12 / 45 (Graceland Avenue) and Marion Street	SW	1.6	12.4	12.4	0.19	0.9	20.3	111	10	8.0	158				48	14					36
28	Des Plaines	US 12 / 45 (Graceland Avenue) and Thacker Street	NW	0.0	0.0	0.0	0.00	0.0	0.0	0	0	0.0	0										
29	Des Plaines	US 12 / 45 (Graceland Avenue) and Thacker Street	NE	3.4	22.5	22.5	0.34	1.0	46.6	337	13	9.1	337		1		90	22	1				41
30	Des Plaines	US 12 / 45 (Graceland Avenue) and Thacker Street	SW	3.1	22.6	22.6	0.34	1.0	46.3	339	24	8.7	307		1		93	19	1				39
31	Des Plaines	US 12 / 45 (Graceland Avenue) and Thacker Street	SE	2.3	15.5	15.5	0.23	0.6	31.2	232	21	5.4	232		1		93						24
32	Des Plaines	US 12 / 45 (Graceland Avenue) and Oakwood Avenue	NW	2.3	15.2	15.2	0.23	1.1	34.8	228	25	9.5	228		1		90						43
33	Des Plaines	US 12 / 45 (Graceland Avenue) and Oakwood Avenue	NE	1.4	9.0	9.0	0.14	0.2	17.0	135	9	2.0	135				33				9		
34	Des Plaines	US 12 / 45 (Graceland Avenue) and Oakwood Avenue	SW	2.1	13.9	13.9	0.21	0.6	28.5	208	13	5.4	213		1		57	15					24

USER NAME = nicholas.babu	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP) SCHEDULE OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	2021-179-SW			COOK	96	6		
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -			62R00				
PLOT DATE = 8/13/2024	DATE -	REVISED -			SCALE:	SHEET 1 OF 2 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



DES PLAINES



TRAFFIC DATA:

**IL ROUTE 58 (GOLF ROAD)
ADT (2021) = 23,300
SPEED LIMIT = 35 MPH**



TRAFFIC DATA:

**RAND ROAD
ADT (2021) = 22,000
SPEED LIMIT = 40 MPH**

MODEL: Traffic Data - 1 [Sheet]
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USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
TRAFFIC DATA**

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	8
			CONTRACT NO. 62R00	
		ILLINOIS	FED. AID PROJECT	

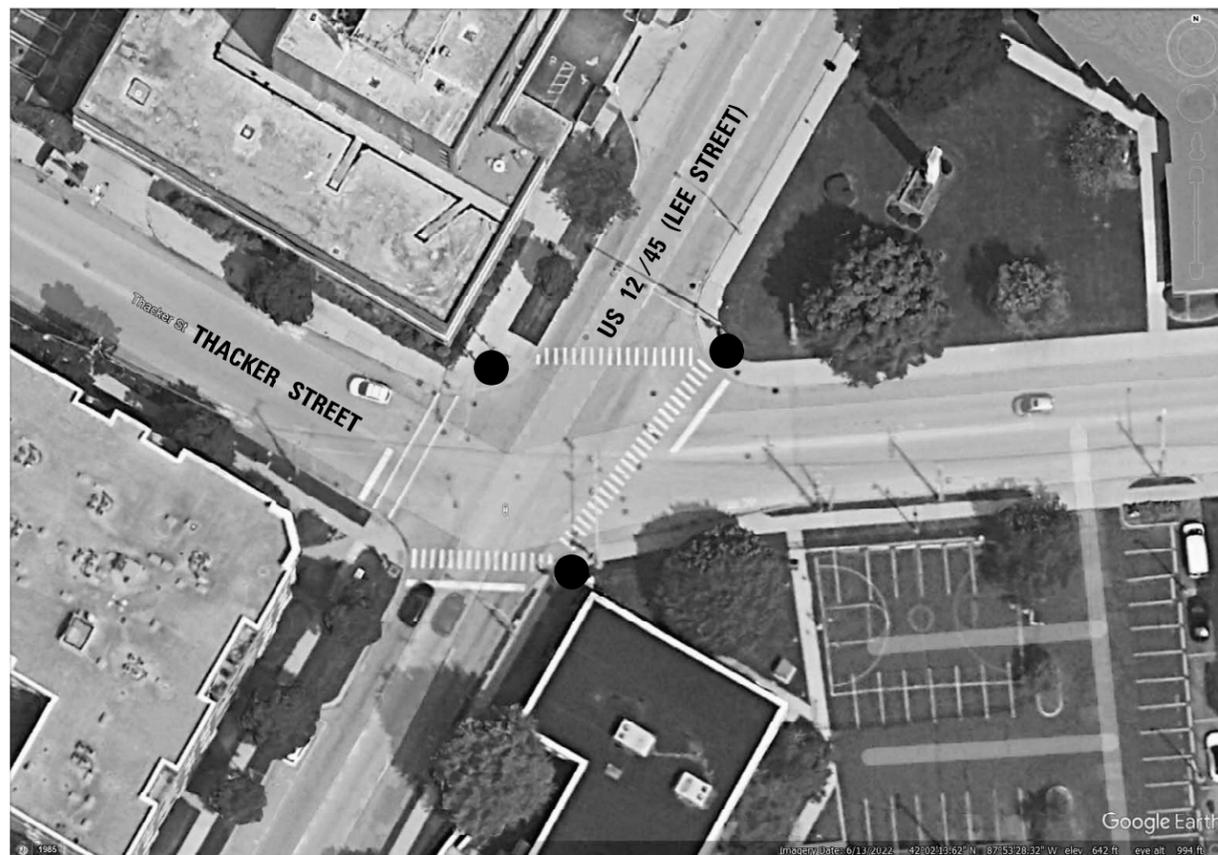


DES PLAINES



TRAFFIC DATA:

US 12 /45 (GRACELAND AVENUE)
ADT (2021) = 17,000
SPEED LIMIT = 30 MPH



TRAFFIC DATA:

US 12 /45 (LEE STREET)
ADT (2021) = 5,600
SPEED LIMIT = 30 MPH

MODEL: Traffic Data - 5 (Sheet)
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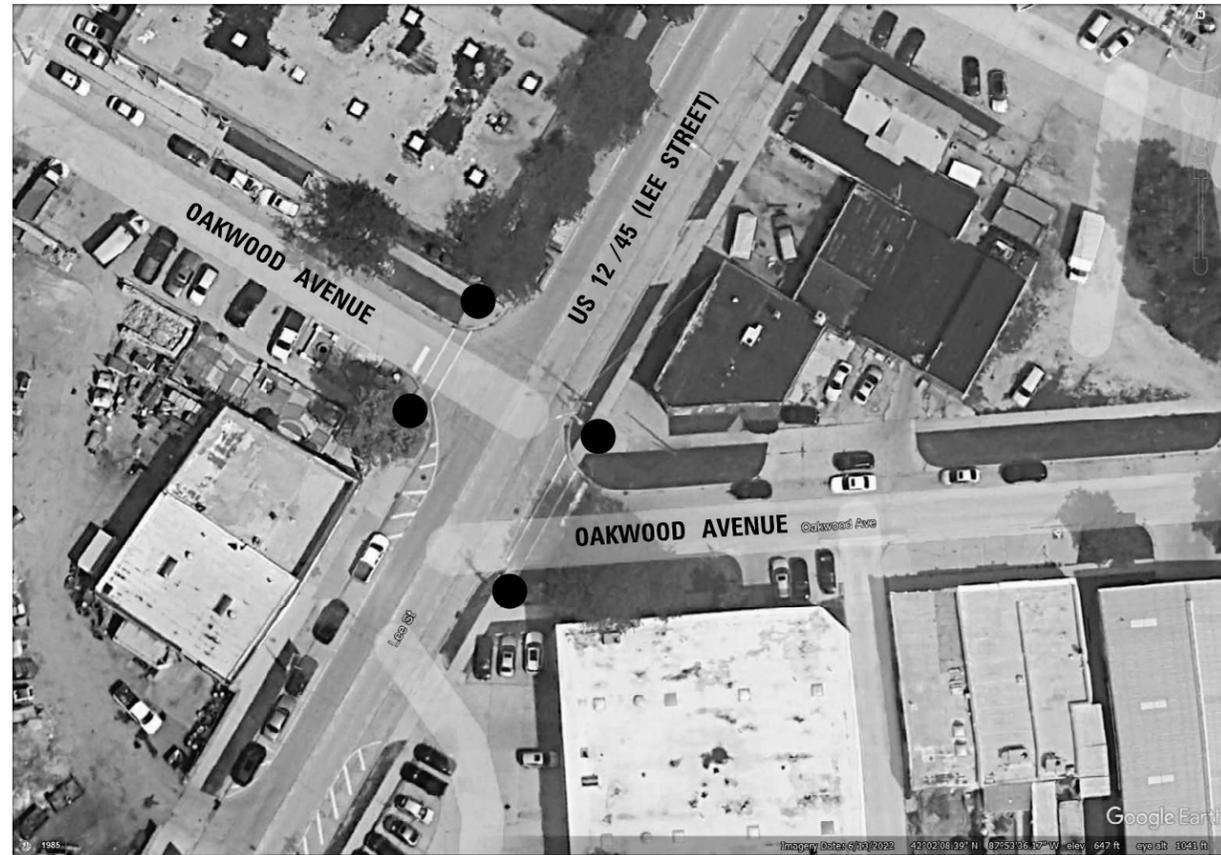
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
TRAFFIC DATA

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

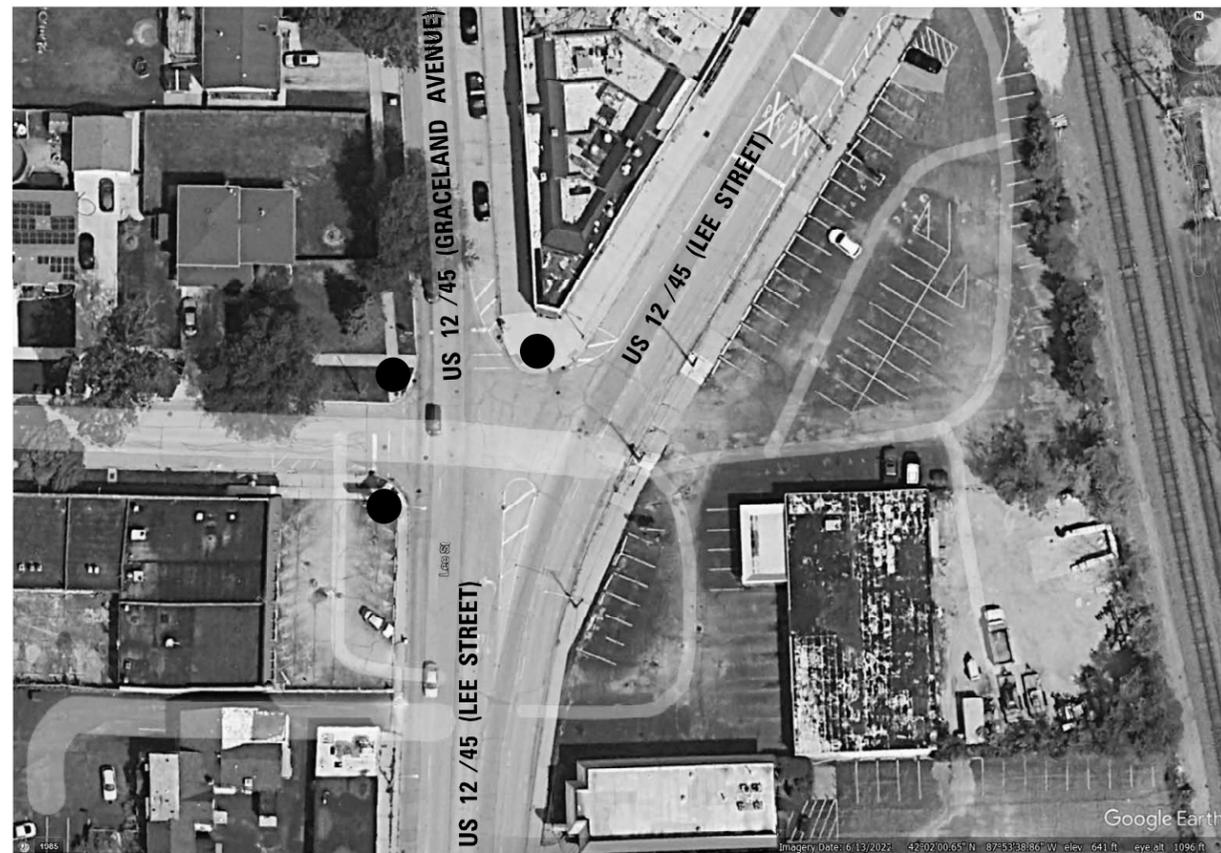
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	12
			CONTRACT NO. 62R00	
		ILLINOIS FED. AID PROJECT		

DES PLAINES



TRAFFIC DATA:

US 12 / 45 (LEE STREET)
ADT (2021) = 5,600
SPEED LIMIT = 30 MPH



TRAFFIC DATA:

US 12 / 45 (LEE STREET / GRACELAND AVENUE)
ADT (2021) = 17,100
SPEED LIMIT = 30 MPH

MODEL: Traffic Data - 6 (Sheet)
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	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
TRAFFIC DATA

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	13
			CONTRACT NO. 62R00	
		ILLINOIS	FED. AID PROJECT	



DES PLAINES



TRAFFIC DATA:

**US 12 / 45 (MANNHEIM ROAD)
ADT (2021) = 15,900
SPEED LIMIT = 25 MPH**



TRAFFIC DATA:

**TOUHY AVENUE
ADT (2021) = 18,800
SPEED LIMIT = 40 MPH**

MODEL: Traffic Data - 8 (Sheet)
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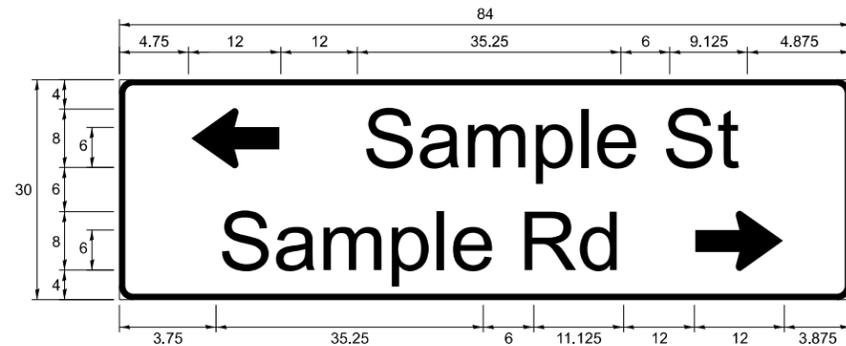
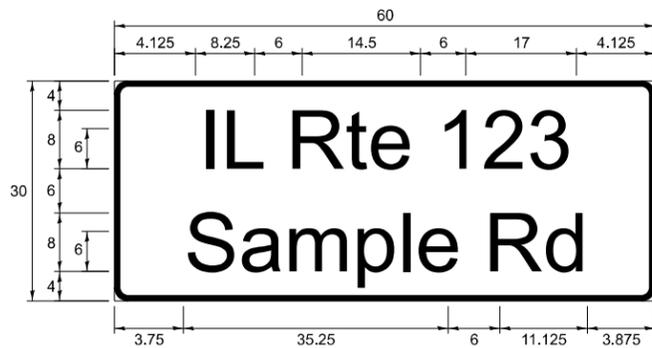
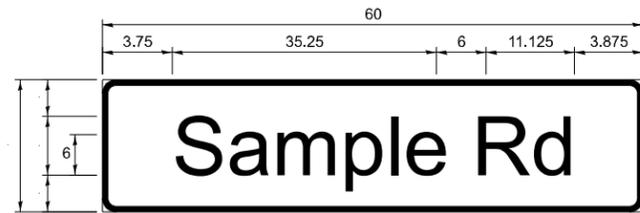
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
TRAFFIC DATA**

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	15
CONTRACT NO. 62R00				
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	ABBREVIATION	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

- 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.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- 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.
- 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.
- 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.
- 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

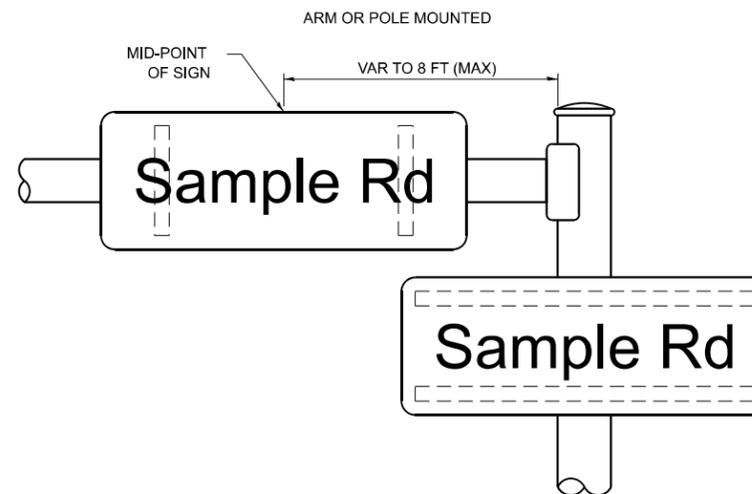
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

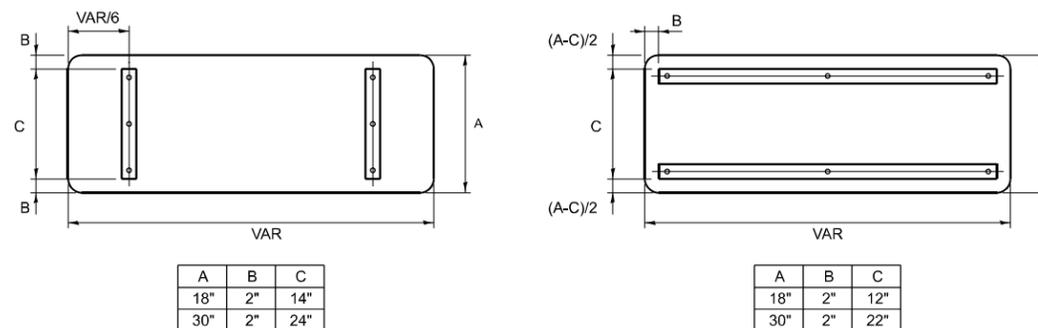
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

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

CHARACTER	FHWA SERIES "C"			CHARACTER	FHWA SERIES "D"		
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)		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	4.962	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

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PLOT DATE = 8/13/2024		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	17
TS-02		CONTRACT NO. 62R00		
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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PLOT DATE = 8/6/2024	CHECKED - LP	REVISED -
	DATE - 9/29/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

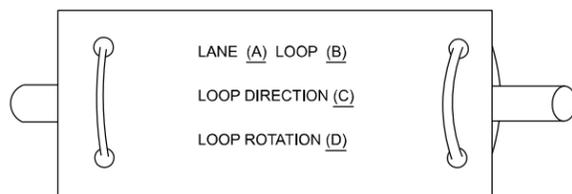
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	18
TS-05		CONTRACT NO. 62R00		
ILLINOIS FED. AID PROJECT				

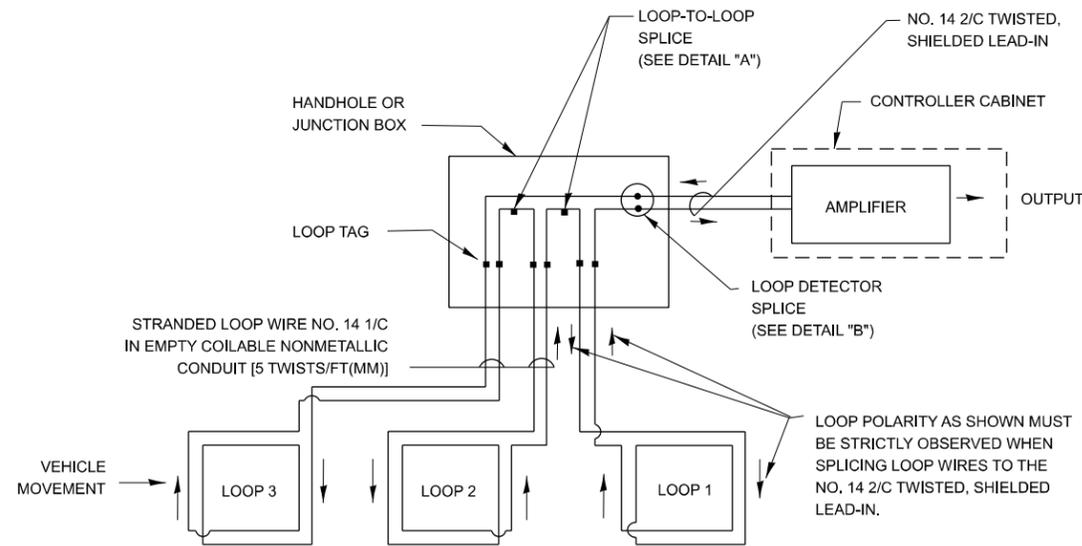
LOOP DETECTOR NOTES

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

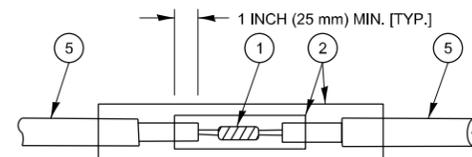


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

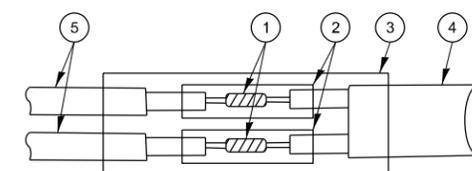


DETECTOR LOOP WIRING SCHEMATIC

- 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.

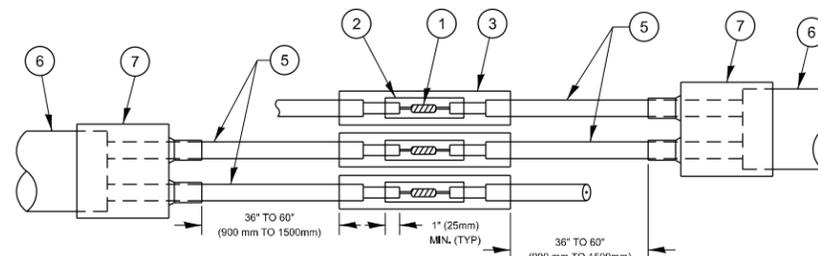


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

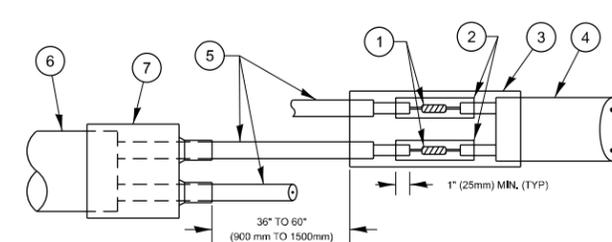


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR
- BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

MODEL: TS-05B (Sheet) FILE NAME: c:\p\work\wv\intcholas.babul@illinois.gov\1017435-shr-DistSigs.dgn

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PLOT SCALE = 0.16666833 / in.	DRAWN -	REVISED -
PLOT DATE = 8/13/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

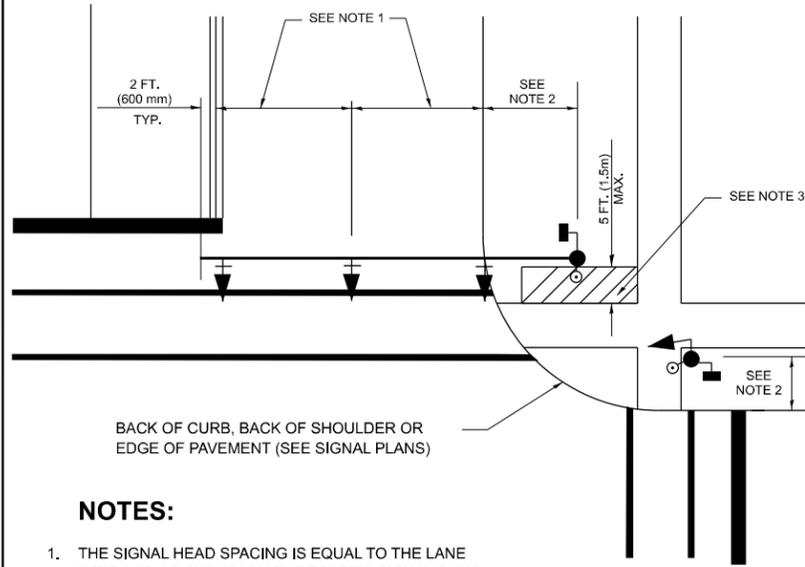
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	19
TS-05			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

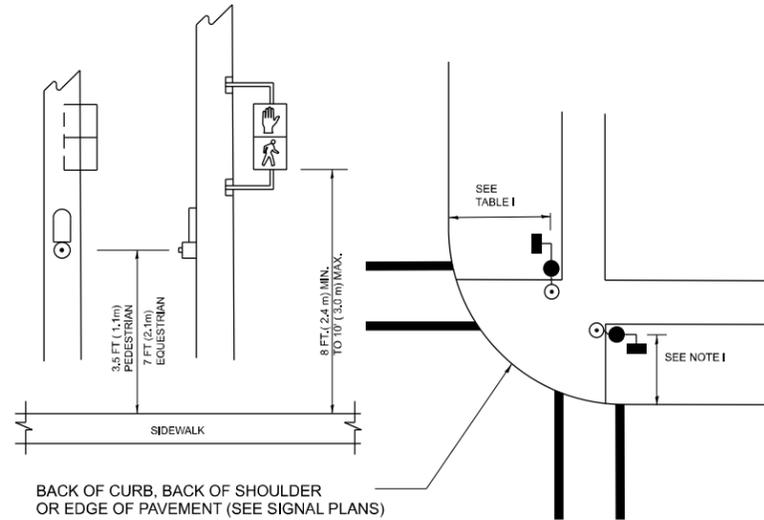
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

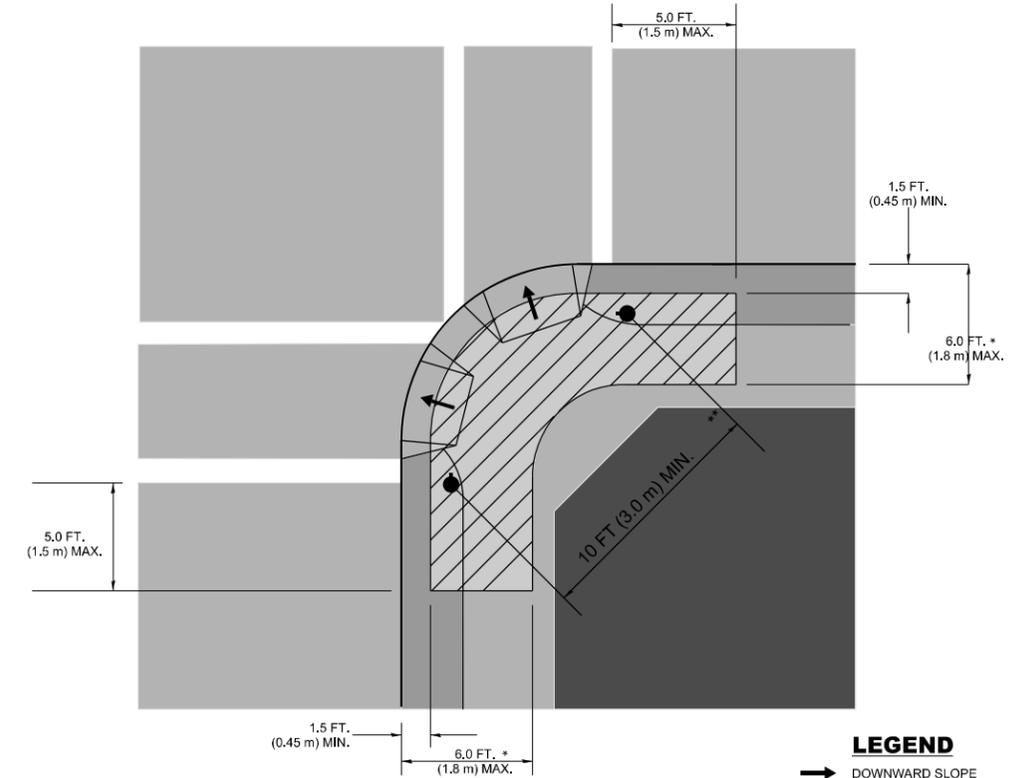
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ 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 (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), 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 TO THE 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.

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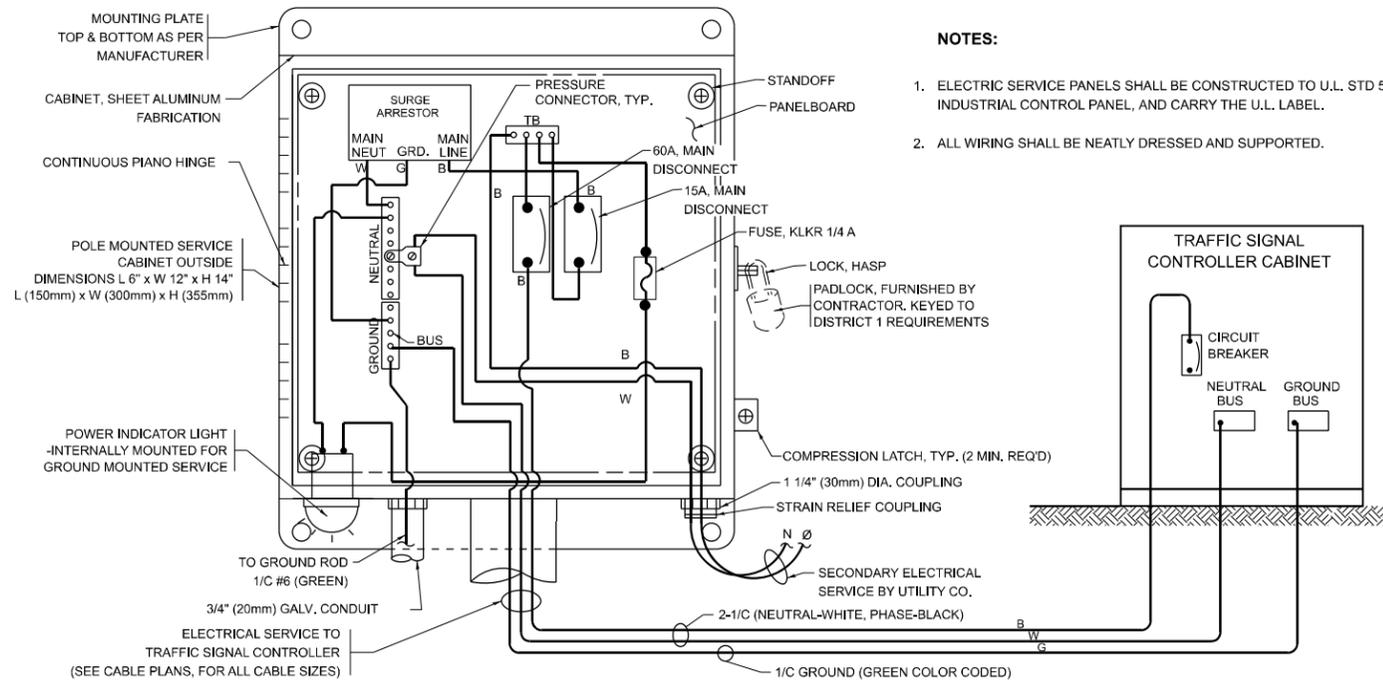
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

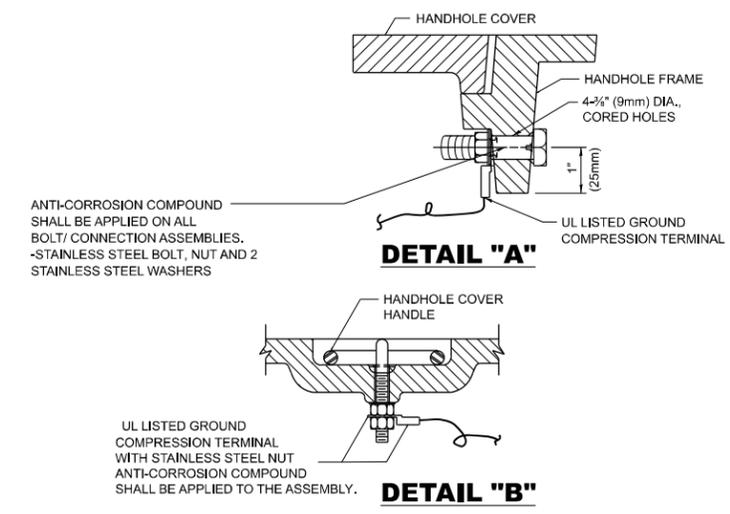
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	20
TS-05			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				

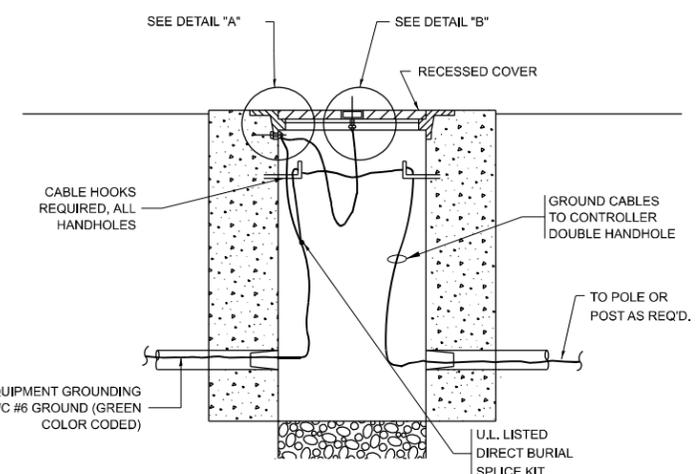


- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
 2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

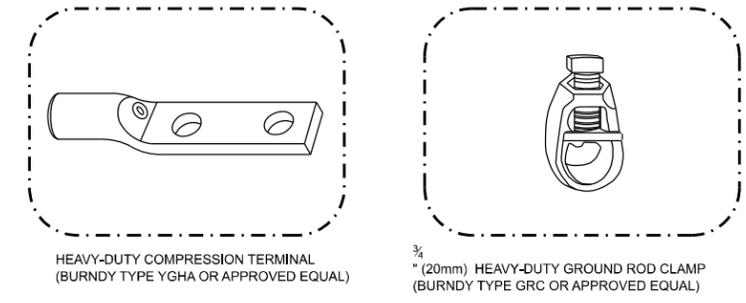


- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED 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.

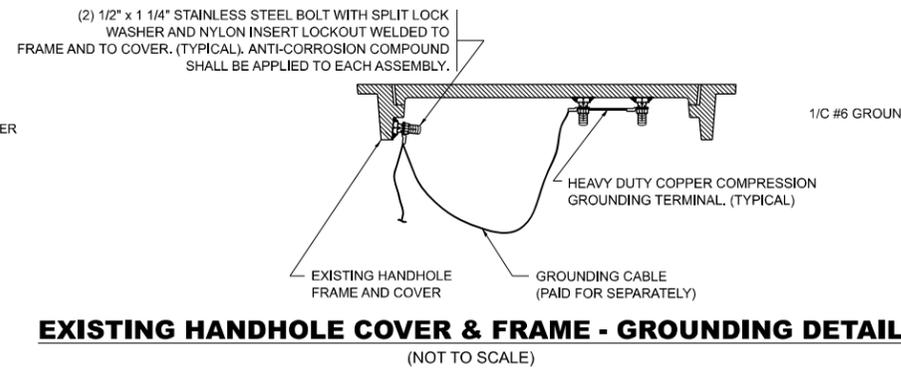
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



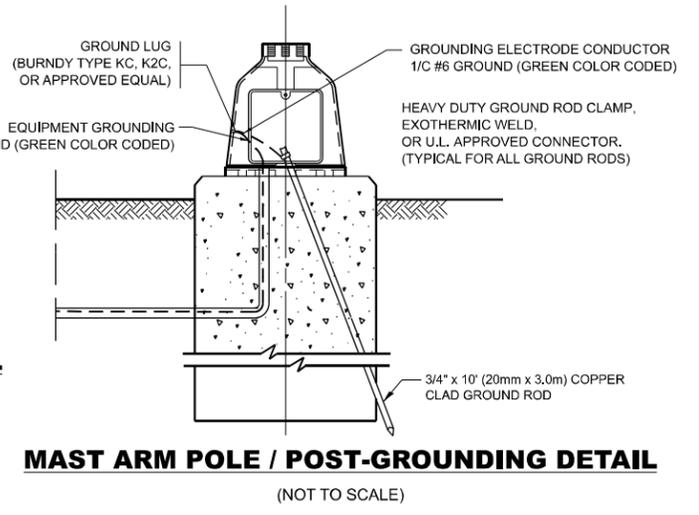
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



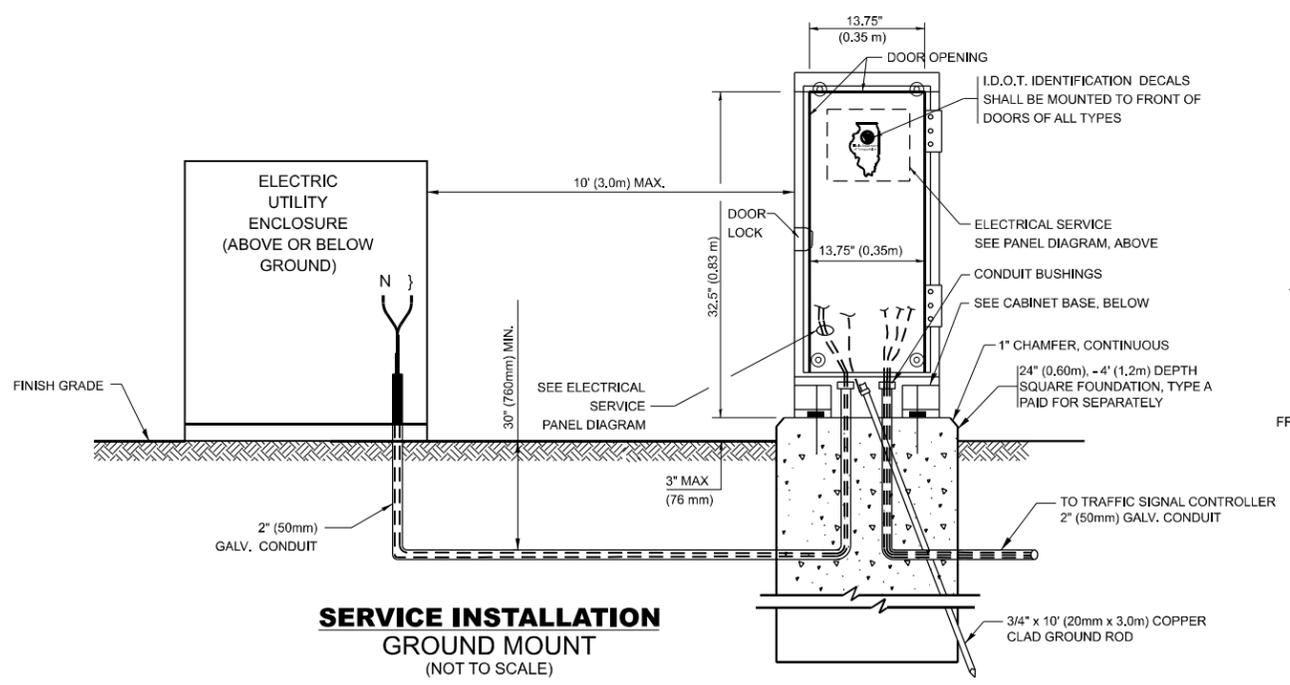
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
 - 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
 - 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
 - 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND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



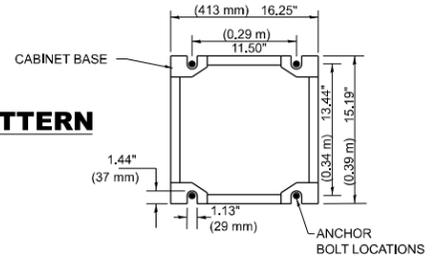
EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)



CABINET - BASE BOLT PATTERN (NOT TO SCALE)

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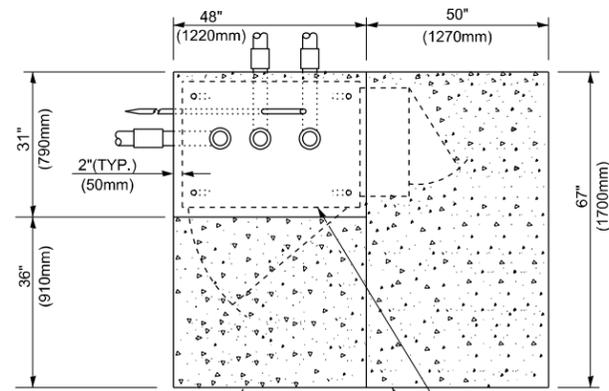
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

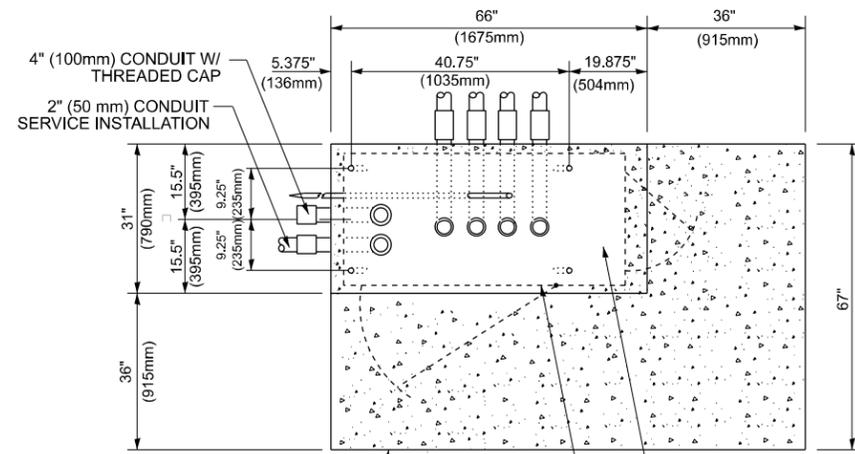
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

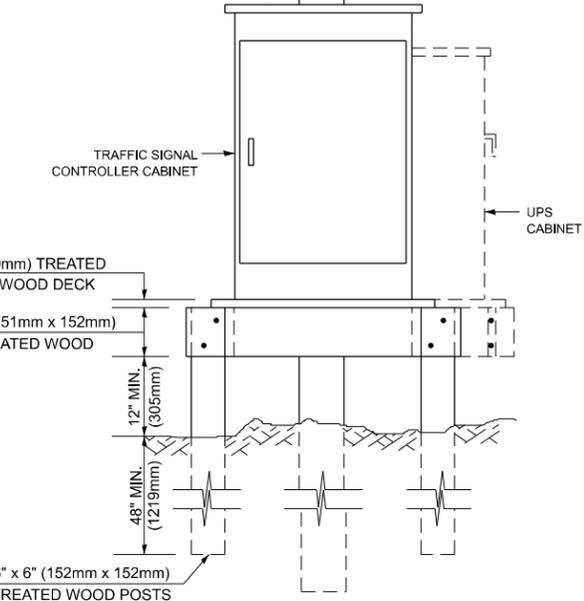
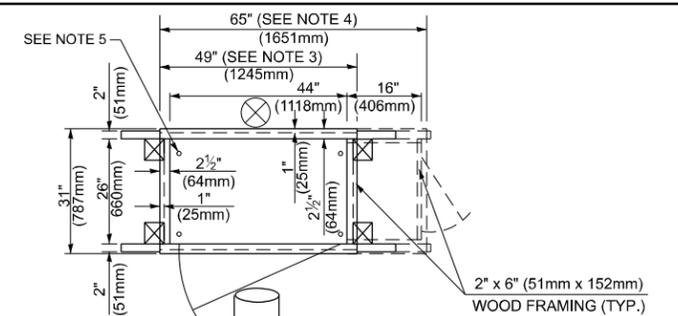
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	21
TS-05		CONTRACT NO. 62R00		
ILLINOIS FED. AID PROJECT				



TOP VIEW



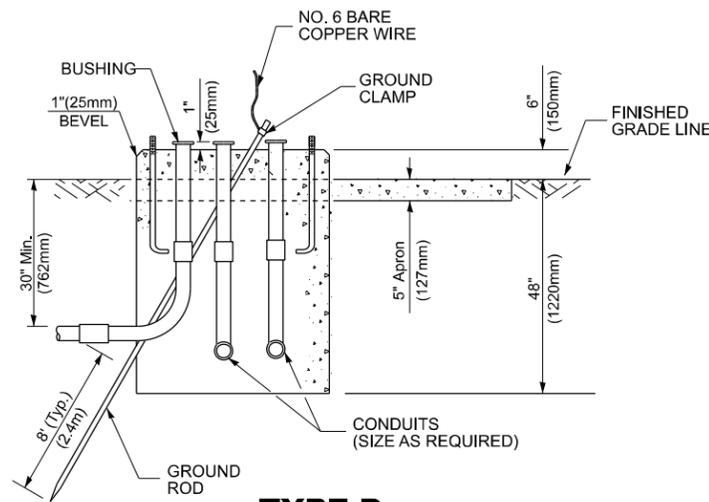
TOP VIEW



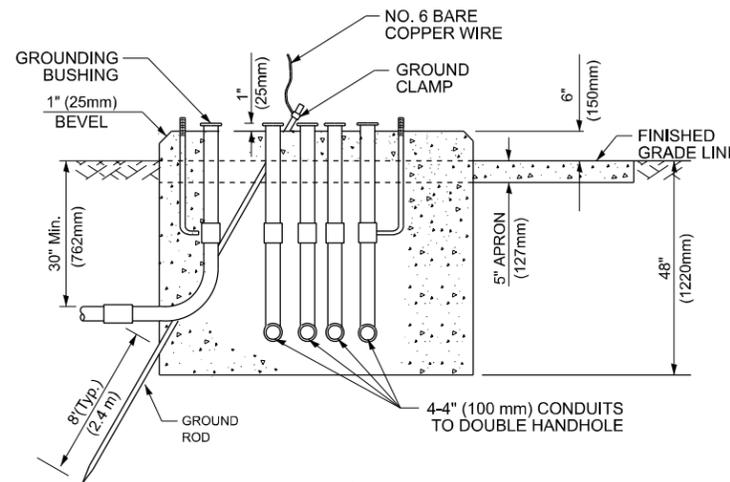
NOTES:

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



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



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

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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 56' (16.8 m) and less than 65' (19.8 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

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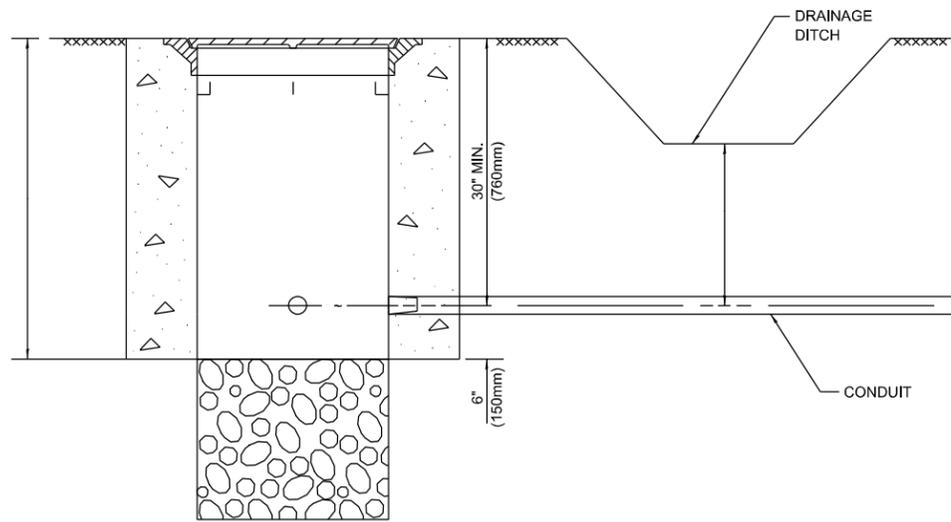
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PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED -
PLOT DATE = 8/13/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

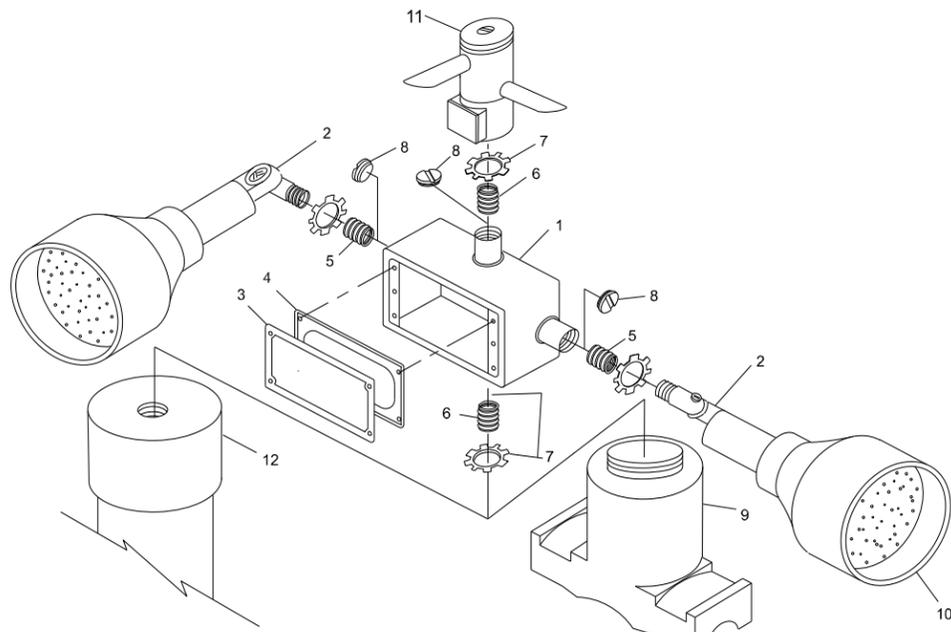
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	22
TS-05		CONTRACT NO. 62R00		
ILLINOIS		FED. AID PROJECT		



NOTES:

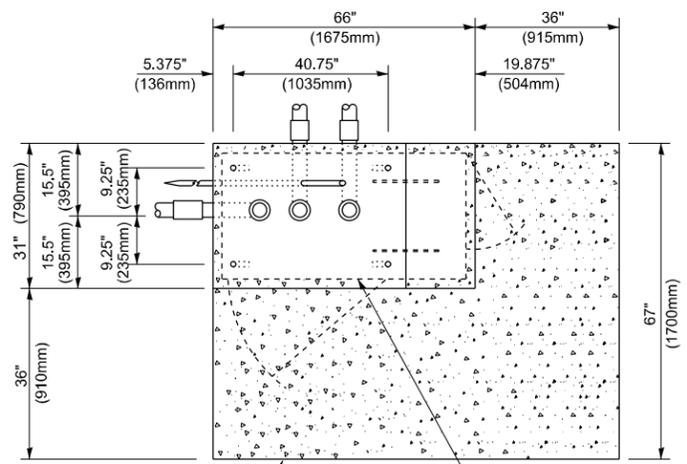
1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

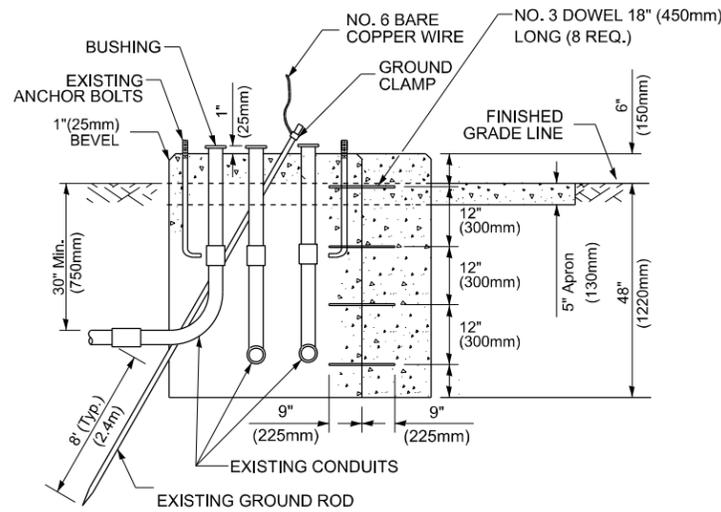


POST CAP MOUNT MAST ARM MOUNT
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

MODEL: TS-05F (Sheet)
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TOP VIEW
(NOT TO SCALE)

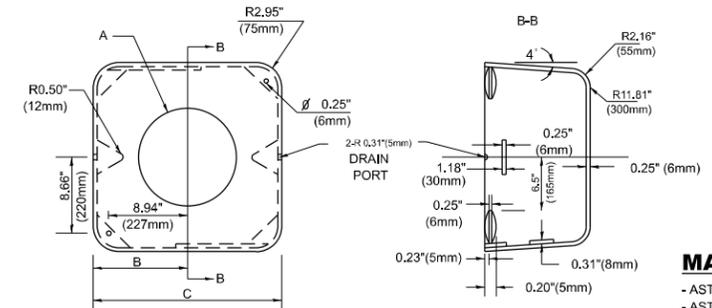


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (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.



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

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

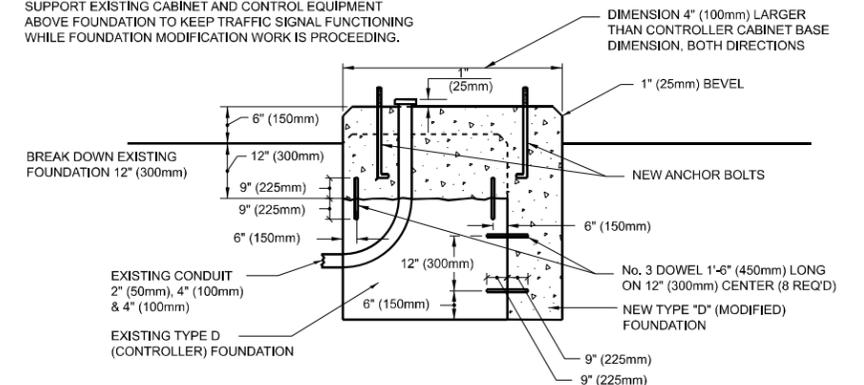
SHROUD

NOTES:

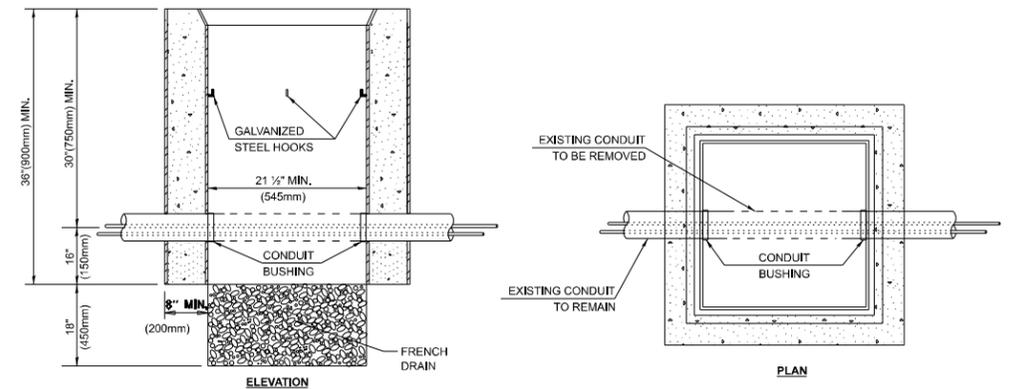
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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



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.

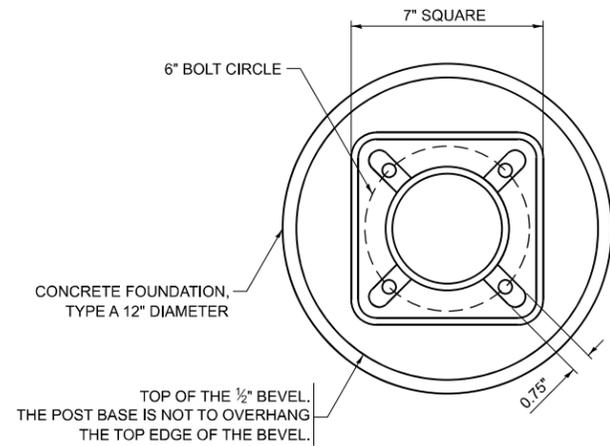
HANDHOLE TO INTERCEPT EXISTING CONDUIT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	23
TS-05		CONTRACT NO. 62R00		
ILLINOIS FED. AID PROJECT				

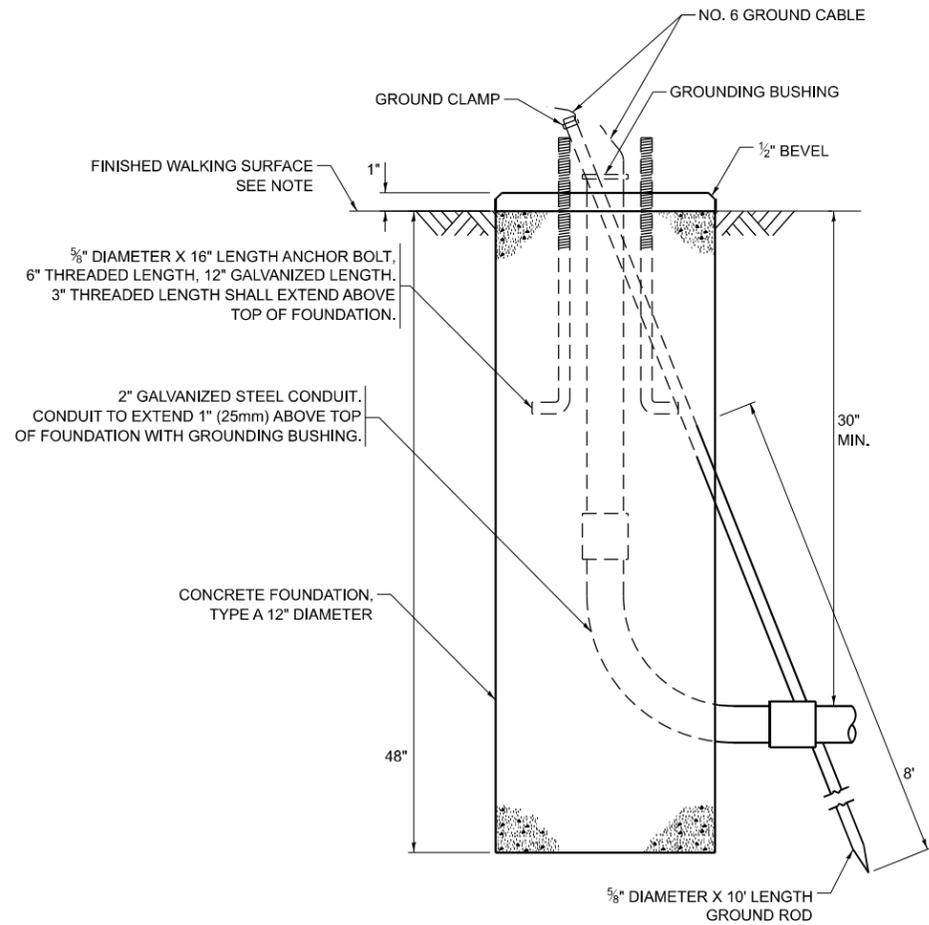
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.



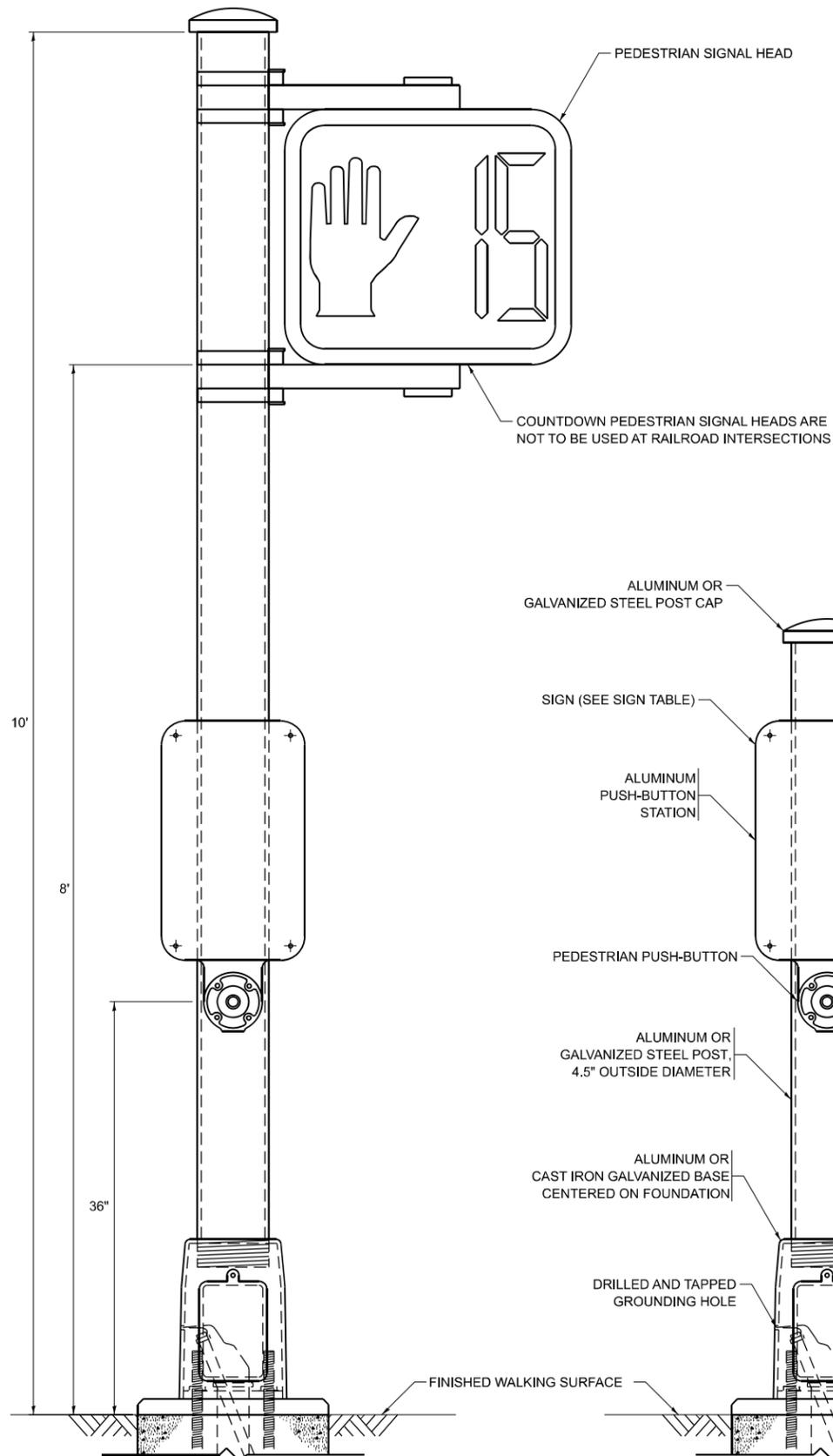
BOLT PATTERN

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.

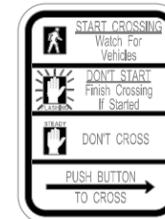


**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**

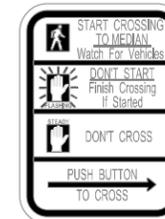


PEDESTRIAN SIGNAL POST, 10 FT.

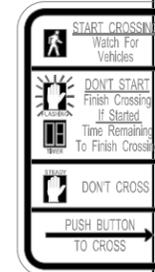
PEDESTRIAN SIGNAL POST, 5 FT.



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.

MODEL: TS-05G (Sheet)
FILE NAME: c:\p\work\ts05g\ts05g-dist1\ts05g.dwg

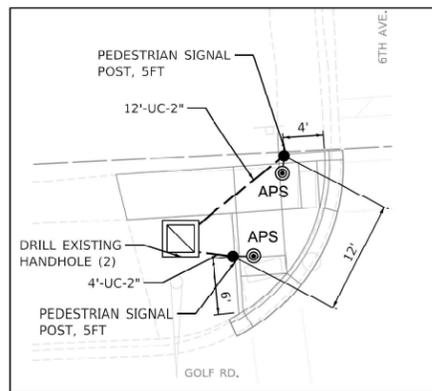
USER NAME = nicholas.babul	DESIGNED - IP	REVISED - 10-15-2020
PLOT SCALE = 0.16666633' / in.	DRAWN - IP	REVISED -
PLOT DATE = 8/13/2024	CHECKED - LP	REVISED -
	DATE - 10-15-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

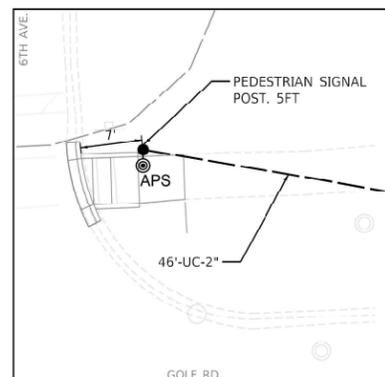
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 07 SHEETS STA. TO STA.

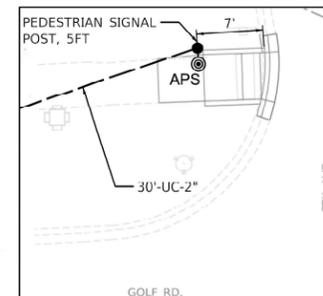
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	24
TS-05			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				



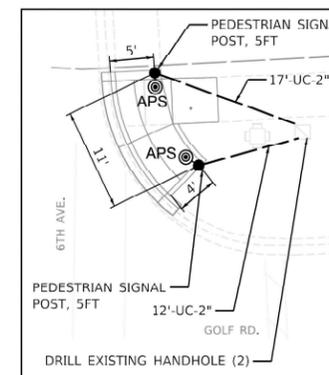
NW CORNER



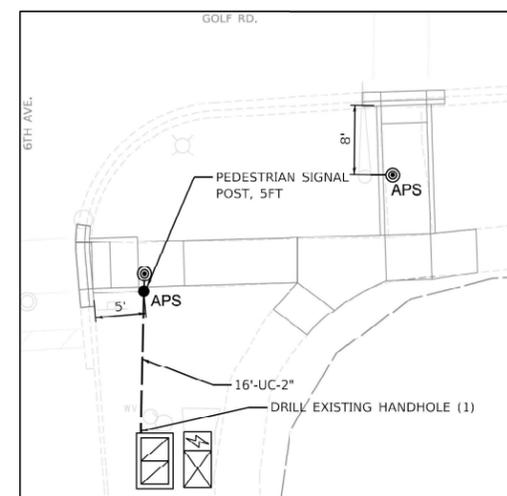
N ISLAND WEST RAMP



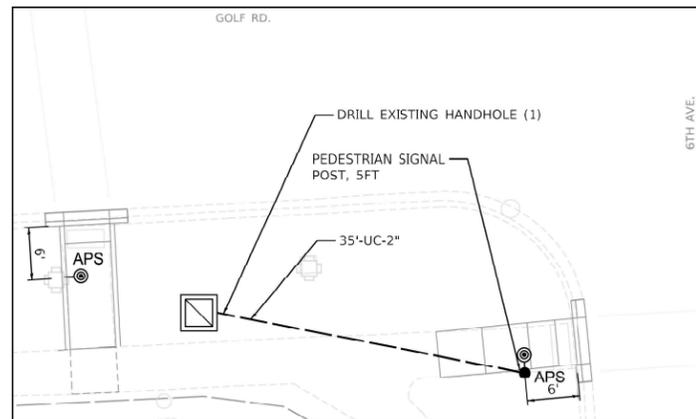
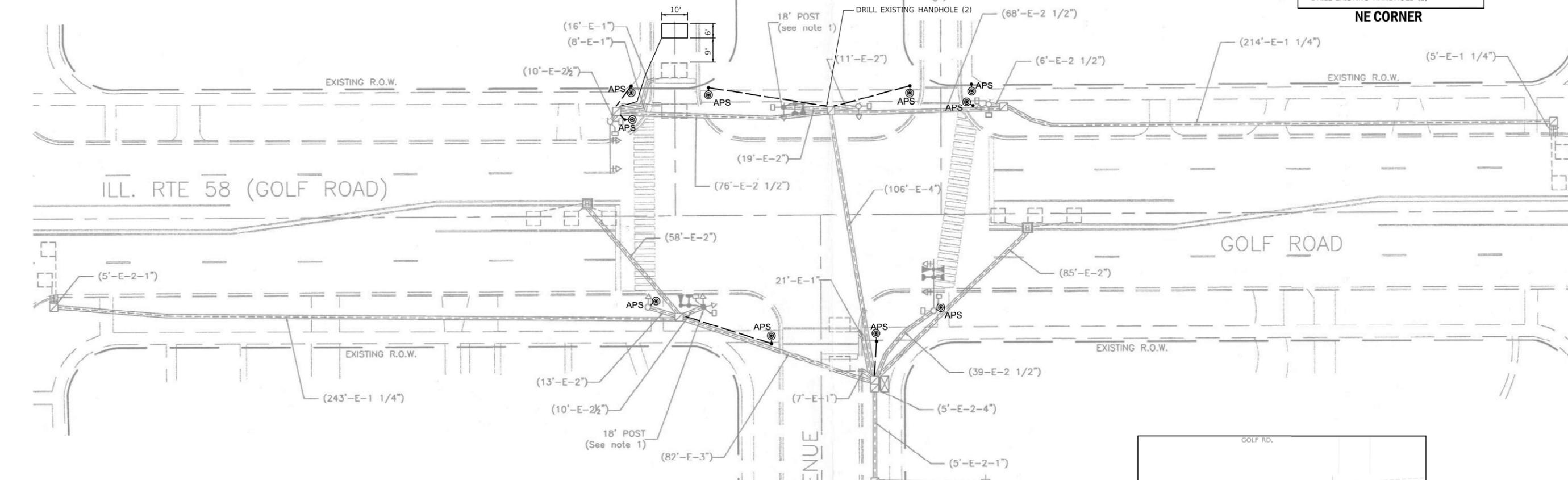
N ISLAND EAST RAMP



NE CORNER



SE CORNER



SW CORNER

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.

6 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.

APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	25
CONTRACT NO. 62R00			ILLINOIS FED. AID PROJECT	

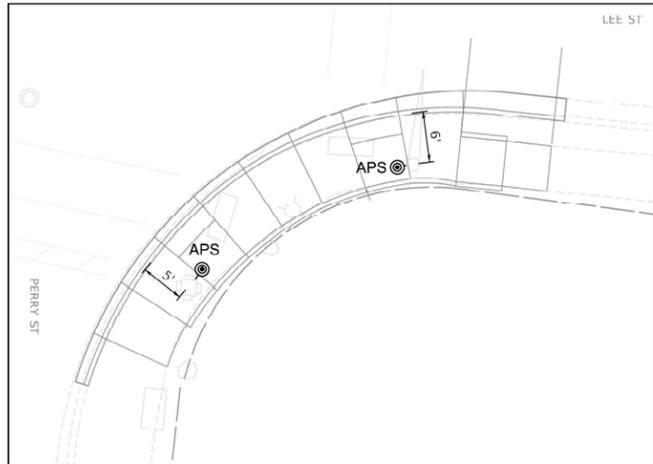
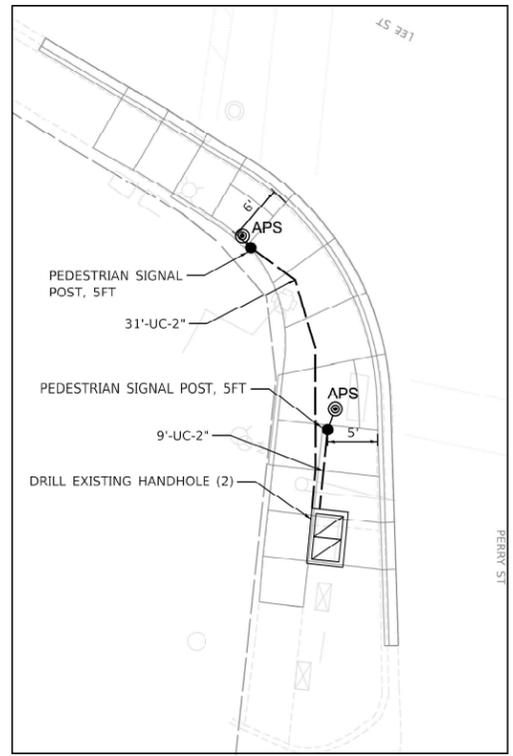
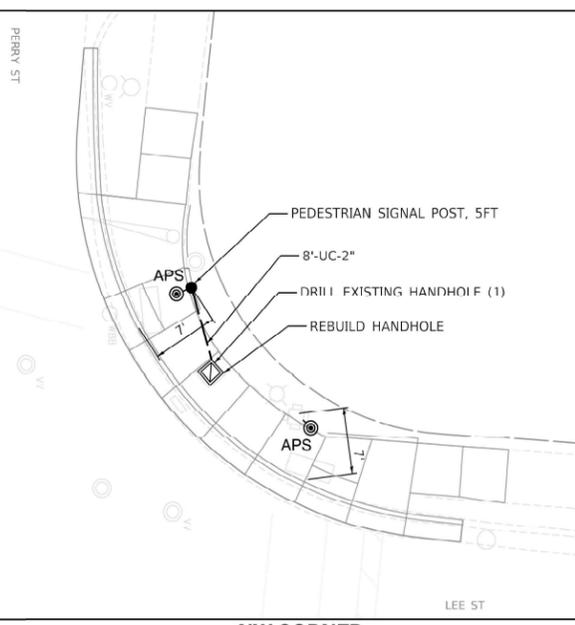
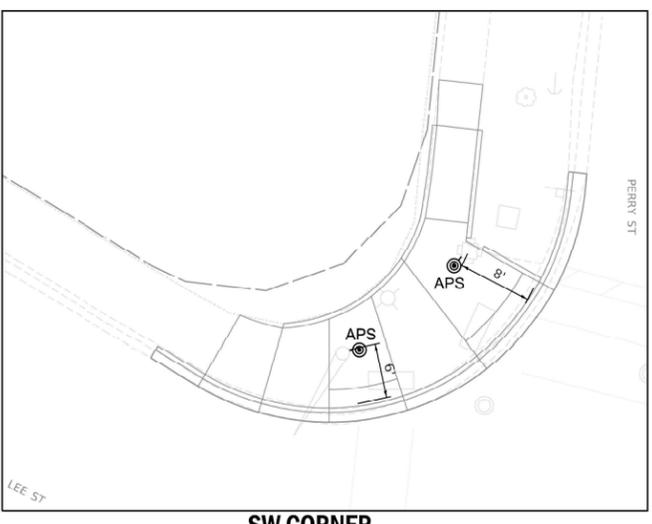
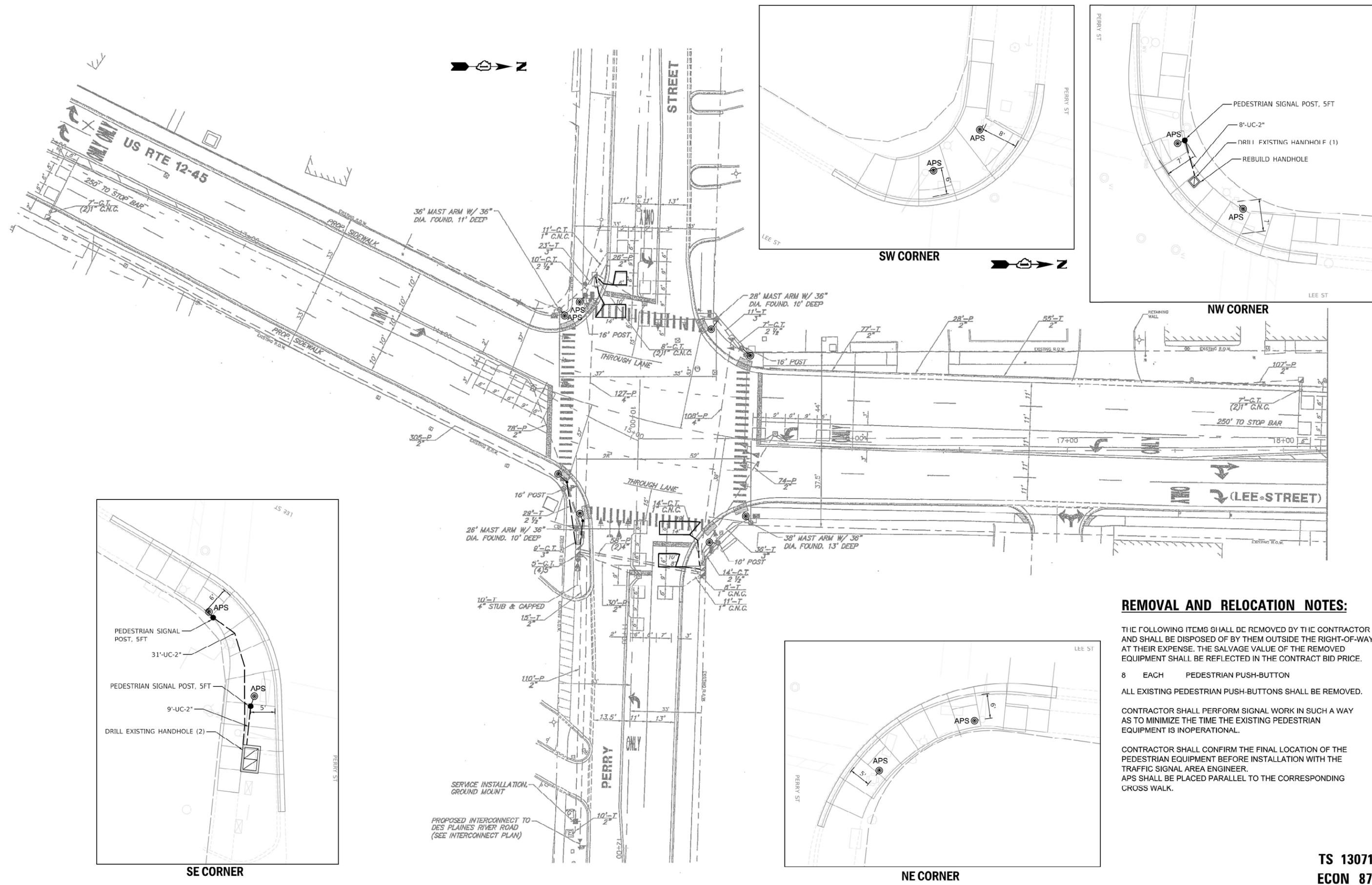
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
DRAWN - KATHLEEN MURPHY	REVISED -	
CHECKED - PETER WOJTKIEWICZ	REVISED -	
DATE - 8/18/2023	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION PLAN
US 12/45 (LEE ST) AT PERRY ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	27
CONTRACT NO. 62R00				
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.

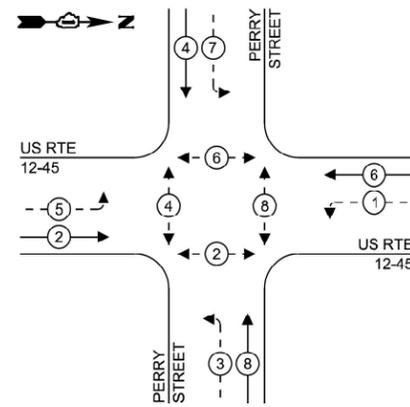
8 EACH PEDESTRIAN PUSH-BUTTON

ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.
APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.

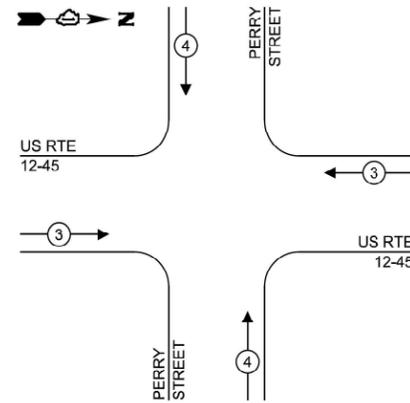
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



FILE NAME: N:\2019\18-02-1500 DDOT PFB - 00 - Various Traffic Signal Design\Graphics\18-02-1500 - 62110 - 62158\2200\CA3\62R00_Sherc-03_US_12-45-lee at Perry.dgn

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

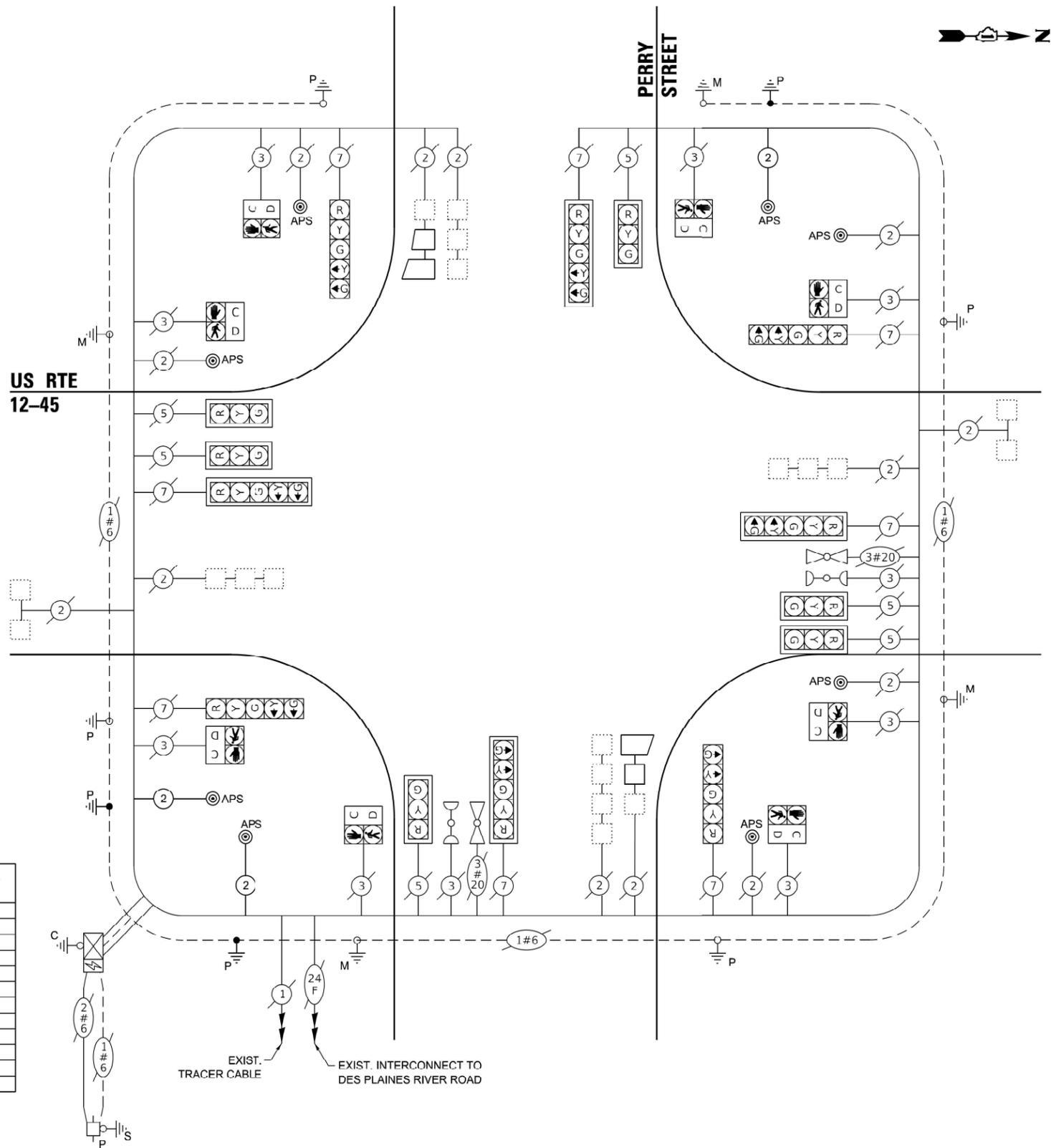
TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	6	11	66
4 - SECTION	0	14	0
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	0	22	0
4 - SECTION	0	32	0
5 - SECTION	0	28	0
PED. SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	0	100	0
UPS			
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			465
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1070

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	48
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	341
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	81
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	182
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	230
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12

ENERGY COSTS TO:
DES PLAINES
 1420 MINER STREET
 DES PLAINES, IL 60016

ENERGY SUPPLY:
 CONTACT: NEW BUSINESS DEPT
 PHONE: 866-639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 00231-66109



TS SHT NO. 12

Sam Schwartz
 200 S. WACKER
 SUITE 1400
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

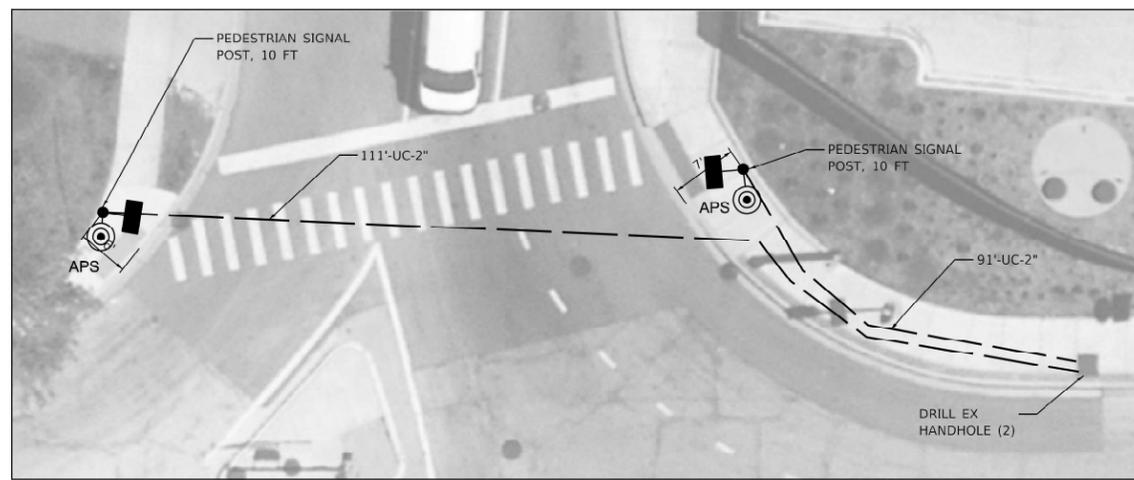
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
 PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
 US 12/45 (LEE ST) AT PERRY ST**

SCALE: SHEET OF SHEETS STA. TO STA.

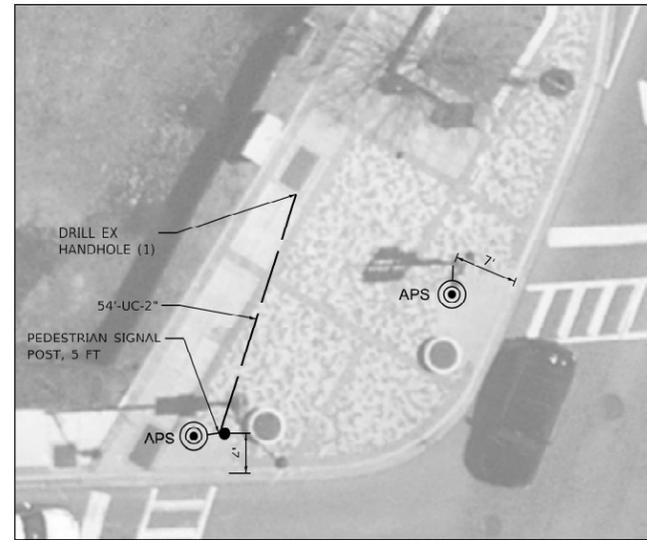
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	28
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

**TS 13071
 ECON 87**

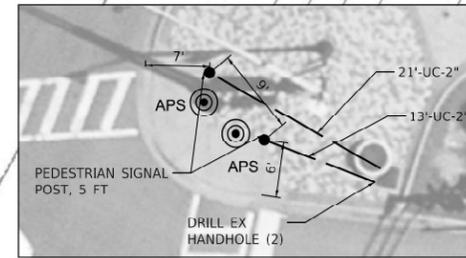
FILE NAME: N:\2019\3_Civil\18-62-3500 IDOT P18-90 - Various Traffic Signal Design\Graphics\WO_22-223_62R00 & 62T10 & 62T15B\2200\CA\62R00_Shtes-10_US_14_Minor_at_Graceland-Jefferson.dgn



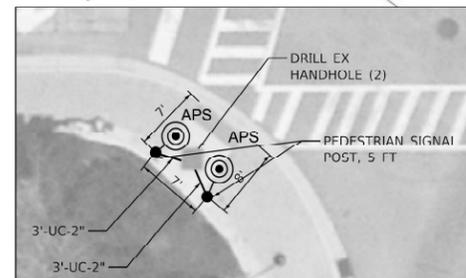
JEFFERSON ST



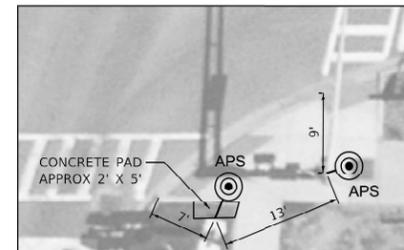
NE CORNER



SE CORNER



NW CORNER



SW CORNER

REMOVAL AND RELOCATION NOTES:

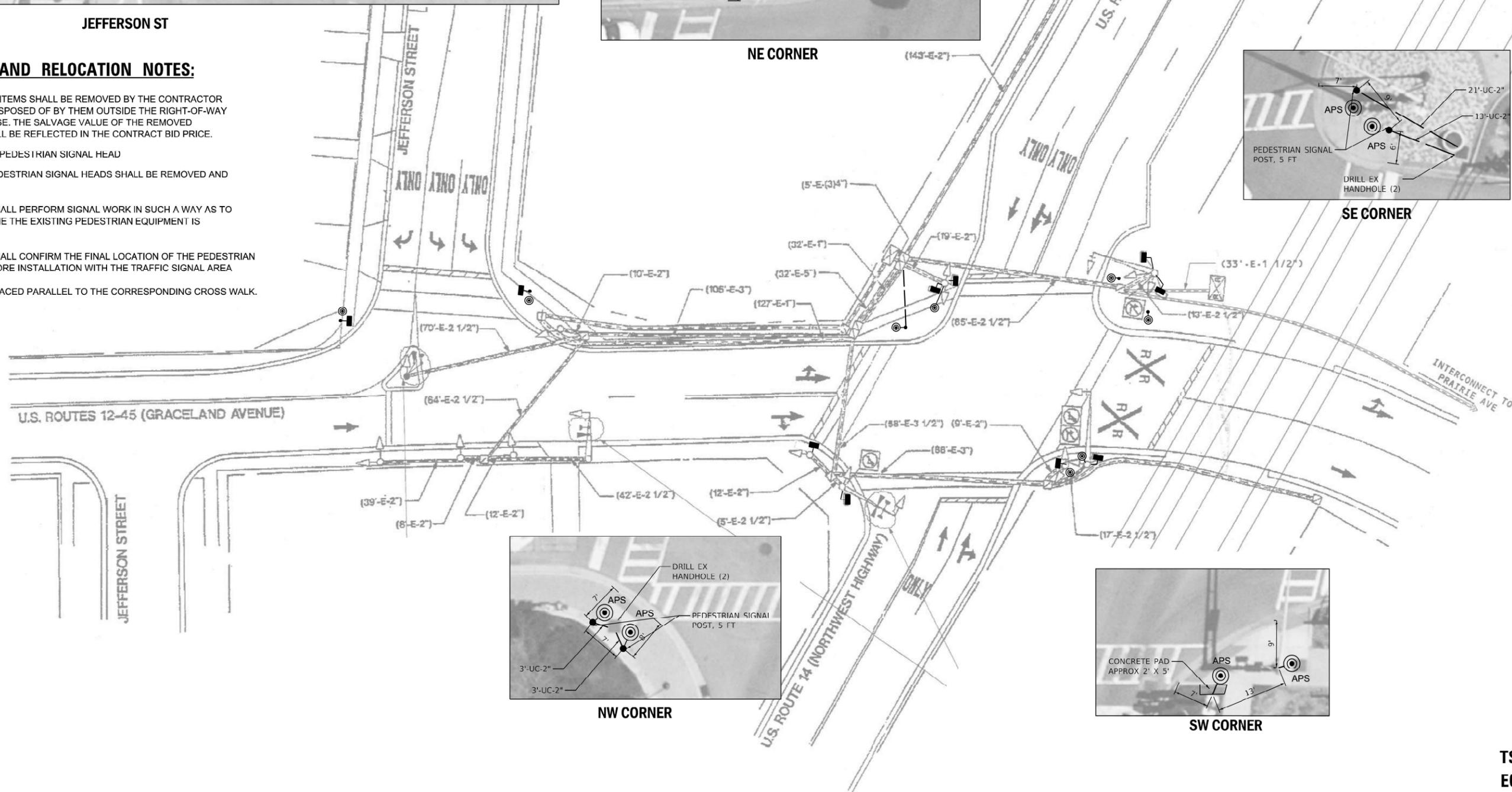
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

8 EACH PEDESTRIAN SIGNAL HEAD

ALL EXISTING PEDESTRIAN SIGNAL HEADS SHALL BE REMOVED AND REPLACED.

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER.
APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.



Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

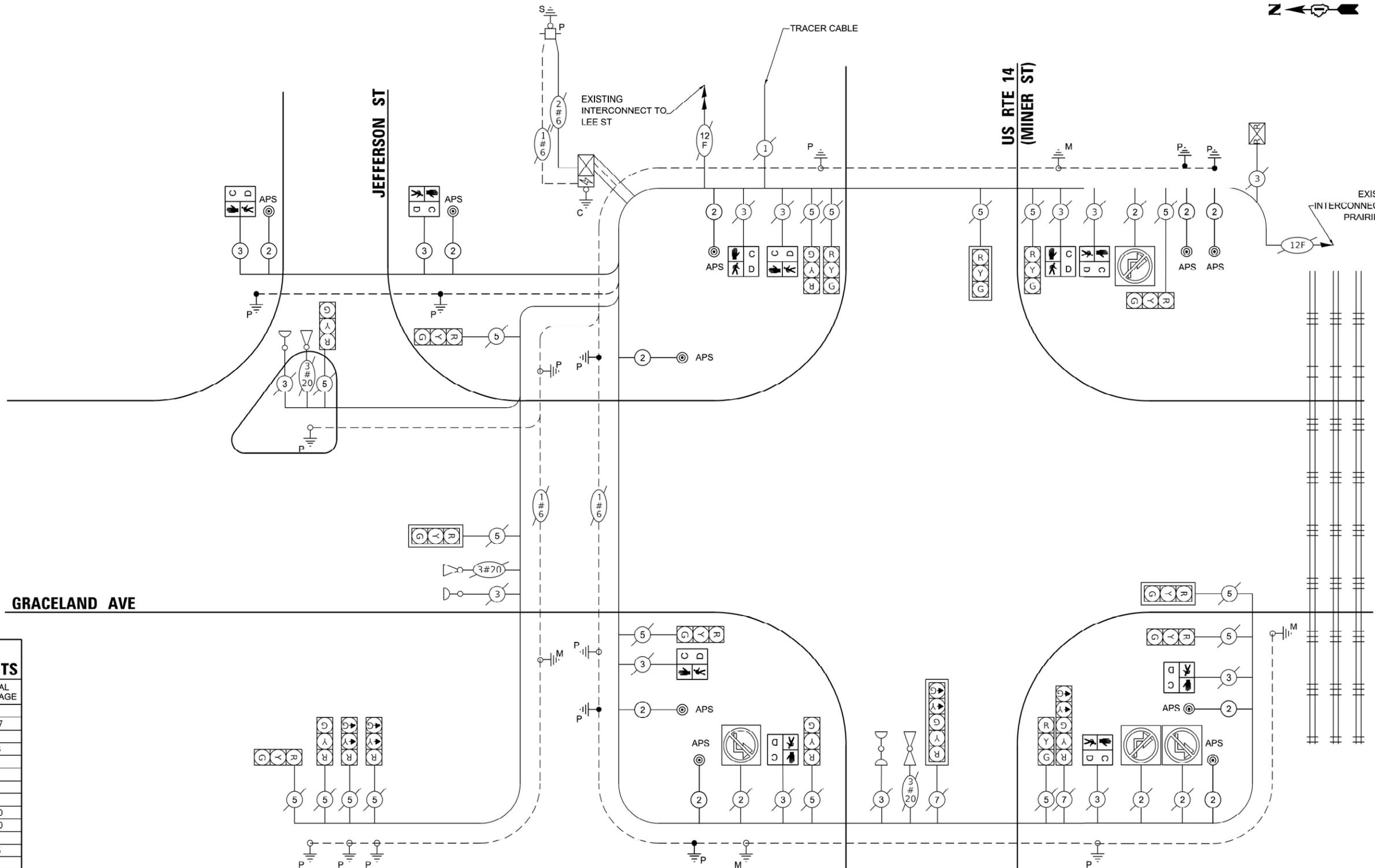
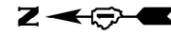
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
US 14 (MINER ST) AT GRACELAND AVE/JEFFERSON ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	29
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

TS 13055
ECON 87



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	17	11	187
4 - SECTION	0	14	0
5 - SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3 - SECTION	0	22	0
4 - SECTION	0	32	0
5 - SECTION	0	28	0
PED. SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	0	100	0
UPS			
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	4	25	100
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			638
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1243

ENERGY COSTS TO:
DESPLAINES
1420 MINER STREET
DES PLAINES, IL 60016

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPT
PHONE: 866-639-3532
COMPANY: COMED
ACCOUNT NUMBER: 00231-66109

TS SHT NO. 14

Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz
DESIGNED - ERICA SALUTZ
DRAWN - KATHLEEN MURPHY
PLOT SCALE = 40.0000" / in.
CHECKED - PETER WOJTKIEWICZ
DATE - 8/18/2023
REVISOR -

DESIGNED - ERICA SALUTZ
DRAWN - KATHLEEN MURPHY
CHECKED - PETER WOJTKIEWICZ
DATE - 8/18/2023
REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
US 14 (MINER ST) AT GRACELAND AVE/JEFFERSON ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	30
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

TS 13055
ECON 87

FILE NAME: N:\2019\3_CUI18-C2-4500 DDOT FTR - 00 - Various Traffic Signal Design\Graphics\W0_29_232_62300_62310_62315B162300C3A92R00_Shee-10_US_14-Miner_at_Graceland-Jefferson.dgn

FOR INFORMATION ONLY

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTION SEQUENCE												PREEMPTION SEQUENCE			CLEAR TO NORMAL SEQUENCE															
	1	1	3	3	3	6	6	6	8	8	8	2	3	4																	
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1O	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA					
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATIONS INTERVAL NUMBER	1B	2	1D	1E	3 OR 4	1G	1H	2	1K	1L	3	1N	1O	4	1Q	2	3	1T	4	1V	1W	2	1Y	1Z	3	4					
U.S. 14 (MINER ST.) NEAR AND FAR RIGHT SIGNALS	WB	G	G	G	Y	R	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	◆
U.S. 14 (MINER ST.) FAR LEFT AND END MAST ARM SIGNALS	WB	G	G	G	Y	R	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	◆
U.S. 14 (MINER ST.) ALL SIGNALS	EB	R	R	R	R	R	G	G	G	G	Y	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	◆
GRACELAND AVE AT U.S. 12-45 (JEFFERSON ST.) ALL SIGNALS	SB	R	R	R	R	R	G	Y	R	G	G	G	G	Y	R	Y	R	G	Y	R	R	R	R	R	R	R	R	G	R	◆	
U.S. 12-45 (GRACELAND AVE.) AT U.S. 14 (MINER ST.) ALL SIGNALS	SB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	G	G	G	Y	R	G	G	G	R	G	G	◆	
U.S. 12-45 (JEFFERSON ST.) AT GRACELAND AVE. NEAR RIGHT AND FAR RIGHT SIGNALS	WB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	◆
U.S. 12-45 (JEFFERSON ST.) AT GRACELAND AVE. MIDDLE AND FAR LEFT SIGNALS	WB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	◆
PEDESTRIAN SIGNALS CROSSING U.S. 12-45 (GRACELAND AVE.) ON NORTH SIDE OF U.S. 14 (MINER ST.)	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	FL DW	DW	DW	DW	◆
PEDESTRIAN SIGNALS CROSSING U.S. 12-45 (GRACELAND AVE.) ON SOUTH SIDE OF U.S. 14 (MINER ST.)	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	◆
PEDESTRIAN SIGNALS CROSSING U.S. 14 (MINER ST.) ON EAST SIDE OF U.S. 12-45 (GRACELAND AVE.)	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	◆
PEDESTRIAN SIGNALS CROSSING U.S. 14 (MINER ST.) ON WEST SIDE OF U.S. 12-45 (GRACELAND AVE.)	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	◆
PEDESTRIAN SIGNALS CROSSING JEFFERSON ST ON EASTSIDE OF GRACELAND AVE	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	◆

PROPOSED SEQUENCE OF OPERATIONS

MOVEMENT	PHASE												FLASH					
	1+6	2+6	3	4	5A	5B	6	7A	7B	7C	8	9A		9B	9C	9D	9E	
US 14 (MINER ST) NEAR AND FAR RIGHT SIGNALS	W/B	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	
US 14 (MINER ST) FAR LEFT AND END MAST ARM SIGNALS	W/B	G	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	
US 14 (MINER ST) ALL SIGNALS	E/B	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	
GRACELAND AVE AT US 12-45 (JEFFERSON ST) ALL SIGNALS	S/B	R	R	G	G	G	G	G	Y	R	R	R	R	R	R	R	R	
US 12-14 (GRACELAND AVE) AT US 14 (MINER ST) ALL SIGNALS	S/B	R	R	R	R	R	R	R	G	G	G	G	G	G	G	Y	R	R
US 12-45 (JEFFERSON ST) AT GRACELAND AVE NEAR RIGHT AND FAR RIGHT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
US 12-45 (JEFFERSON ST) AT GRACELAND AVE MIDDLE AND FAR LEFT SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
PEDESTRIAN SIGNALS CROSSING US 12-45 (GRACELAND AVE) ON NORTHSIDE OF US 14 (MINER ST)	W	W	W	FL DW	W	W	W	W	DW	DW	DW	DW	DW	DW	DW	DW	DW	
PEDESTRIAN SIGNALS CROSSING US 12-45 (GRACELAND AVE) ON SOUTHSIDE OF US 14 (MINER ST)	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
PEDESTRIAN SIGNALS CROSSING US 14 (MINER ST) ON WESTSIDE OF US 12-45 (GRACELAND AVE)	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
PEDESTRIAN SIGNALS CROSSING US 14 (MINER ST) ON EASTSIDE OF US 12-45 (GRACELAND AVE)	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	
PEDESTRIAN SIGNALS CROSSING JEFFERSON ST ON EASTSIDE OF GRACELAND AVE	W	W	W	W	W	W	W	W	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	

EXISTING RAILROAD PREEMPTION SEQUENCE OF OPERATIONS

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTION SEQUENCE												CLEAR TO NORMAL SEQUENCE		
	1	3	6	8	2	3	4								
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER					2	3	4								
RAILROAD PREEMPTION SEQUENCE OF OPERATIONS INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	2		
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATIONS INTERVAL NUMBER	2	1C	2	1E	2	1G	2	2	1K	2	1M	2			
U.S. 14 (MINER ST.) NEAR AND FAR RIGHT SIGNALS	WB	G	G	G	R	R	R	R	G	R	R	R	R	G	▲
U.S. 14 (MINER ST.) FAR LEFT AND END MAST ARM SIGNALS	WB	G	G	G	R	R	R	R	G	R	R	R	R	G	▲
U.S. 14 (MINER ST.) ALL SIGNALS	EB	R	G	G	R	R	R	R	G	R	R	R	R	G	▲
GRACELAND AVE AT U.S. 12-45 (JEFFERSON ST.) ALL SIGNALS	SB	R	Y	R	Y	R	R	R	R	Y	R	R	R	R	▲
U.S. 12-45 (GRACELAND AVE.) AT U.S. 14 (MINER ST.) ALL SIGNALS	SB	R	R	R	Y	R	Y	R	R	Y	R	Y	R	R	▲
U.S. 12-45 (JEFFERSON ST.) AT GRACELAND AVE. NEAR RIGHT AND FAR RIGHT SIGNALS	WB	R	R	R	R	R	Y	R	R	R	R	Y	R	R	▲
U.S. 12-45 (JEFFERSON ST.) AT GRACELAND AVE. MIDDLE AND FAR LEFT SIGNALS	WB	R	R	R	R	R	Y	R	R	R	R	Y	R	R	▲
PEDESTRIAN SIGNALS CROSSING U.S. 12-45 (GRACELAND AVE.) ON NORTH SIDE OF U.S. 14 (MINER ST.)	FL DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	▲
PEDESTRIAN SIGNALS CROSSING U.S. 12-45 (GRACELAND AVE.) ON SOUTH SIDE OF U.S. 14 (MINER ST.)	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	▲
PEDESTRIAN SIGNALS CROSSING U.S. 14 (MINER ST.) ON EAST SIDE OF U.S. 12-45 (GRACELAND AVE.)	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	▲
PEDESTRIAN SIGNALS CROSSING U.S. 14 (MINER ST.) ON WEST SIDE OF U.S. 12-45 (GRACELAND AVE.)	DW	DW	DW	DW	DW	FL DW	DW	DW	DW	DW	DW	DW	DW	DW	▲
INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	▲
INTERNALLY ILLUMINATED NO LEFT TURN SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	▲
PEDESTRIAN SIGNALS CROSSING JEFFERSON ST ON EASTSIDE OF GRACELAND AVE	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	▲

SCHEDULE OF QUANTITIES

◆ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, OR 3 IS TERMINATED.

ITEM DESCRIPTION	UNITS	TOTAL QTY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	10
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	309
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1799
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	590
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	386
DRILL EXISTING HANDHOLE	EACH	7
PEDESTRIAN SIGNAL HEAD, LCD, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS SHT NO. 15

Sam Schwartz
200 S. WACKER SUITE 1400 CHICAGO, IL 60606 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/18/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEQUENCE OF OPERATION, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND RAILROAD PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
US 14 (MINER ST) AT GRACELAND AVE/JEFFERSON ST

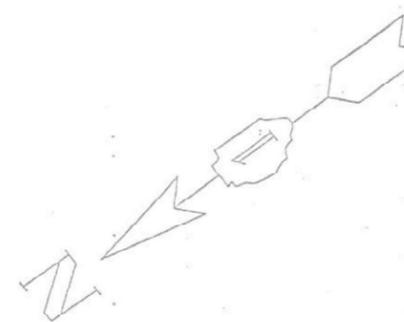
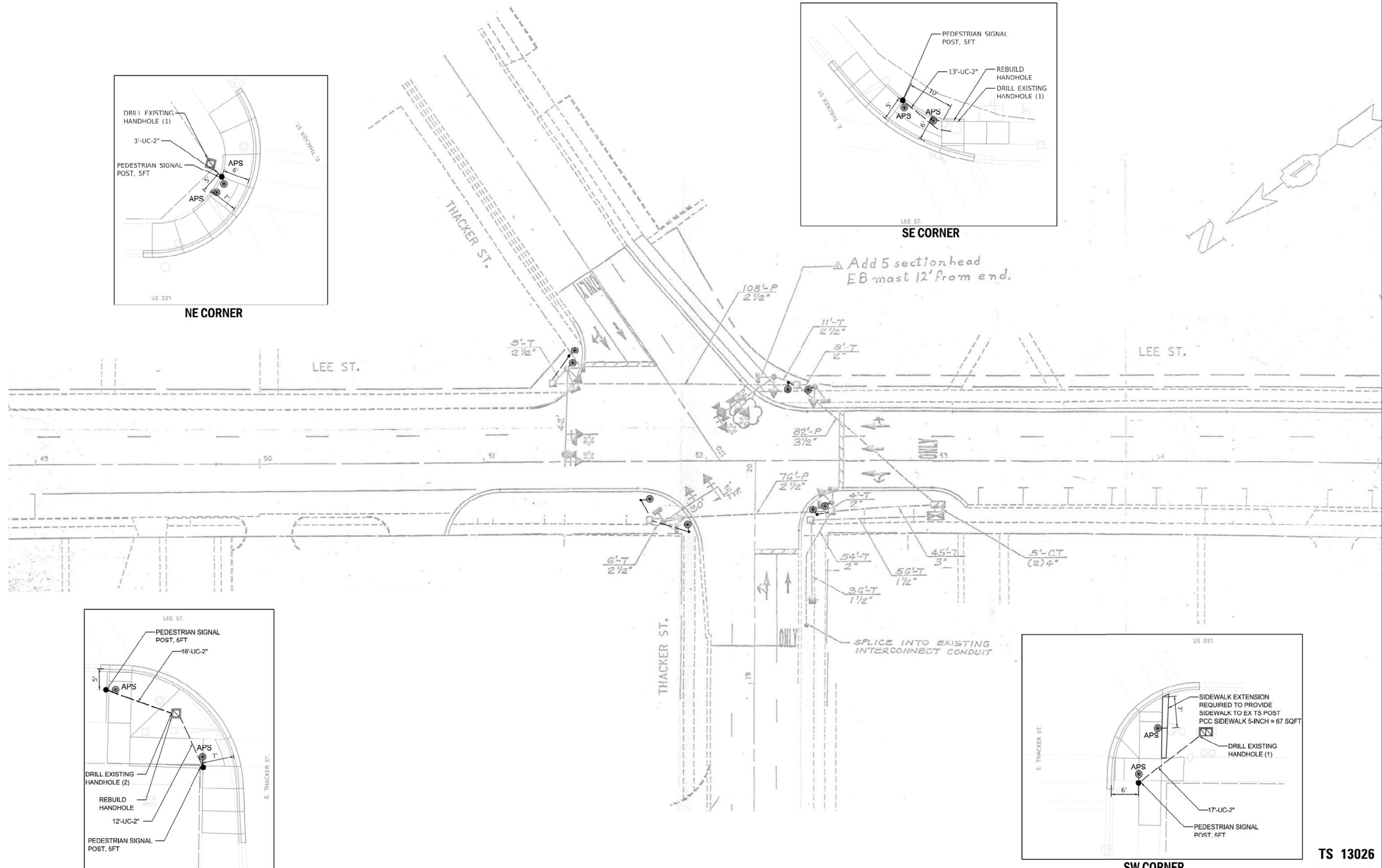
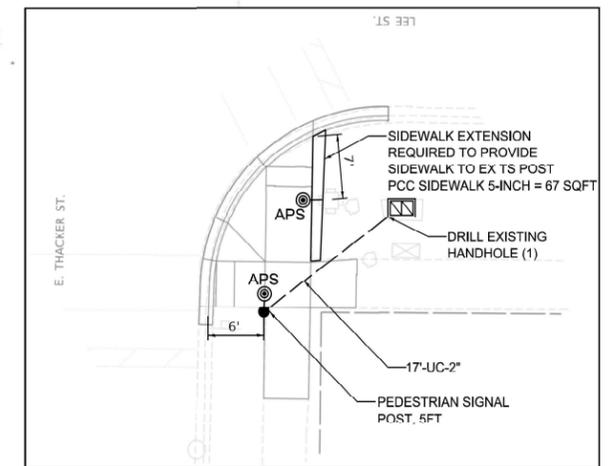
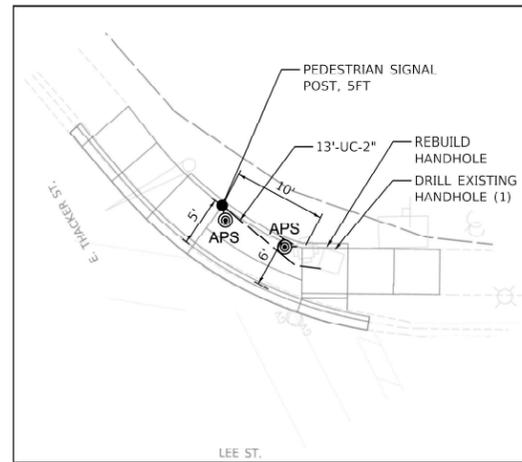
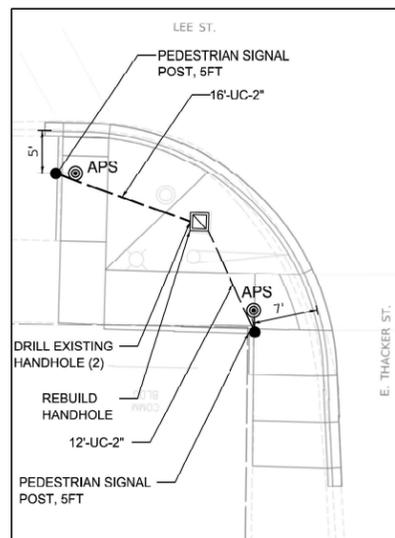
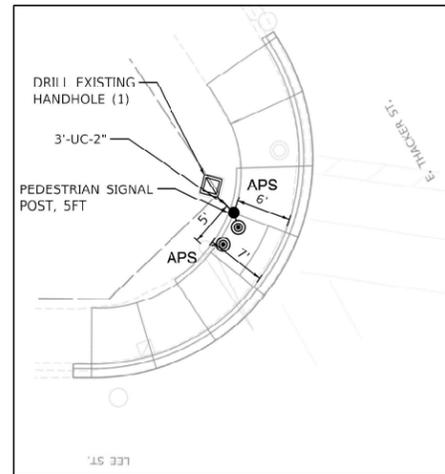
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	31
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

TS 13055
ECON 87

FILE NAME: N:\2019\3_Civil\18-62-2500 DDOT PFB - 90 - Various Traffic Signal Design\Graphics\180_22-23_62R00_Sht15_14-Miner_at_Graceland-Jefferson.dgn

FILE NAME: N:\2019\3_Civil\18-62-2500 IDOT P1B - 90 - Various Traffic Signal Design\Graphics\180_22-223_62200_62210_62158\2200\CA3\62R00_Shtec-04_US_12-45-lee at Thacker.dgn



Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000 "/math>in</math>	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

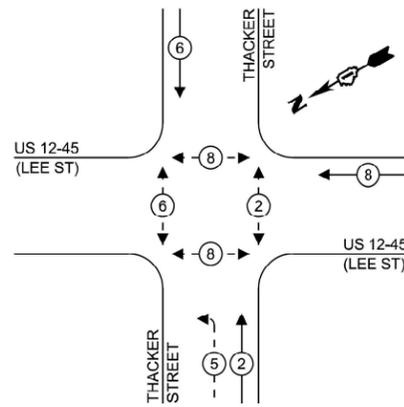
TRAFFIC SIGNAL MODERNIZATION PLAN
US 12/45 (LEE ST) AT THACKER ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	32
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

TS 13026
ECON 87

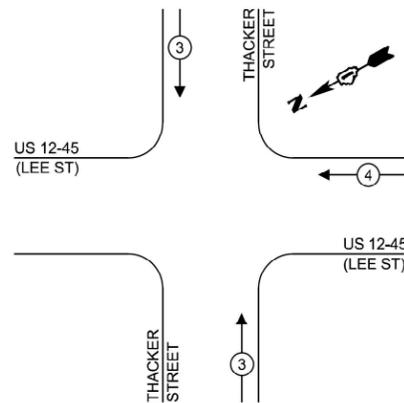
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * - - PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



FILE NAME: N:\2018\23-1500\DOT_FTR_00 - Various Traffic Signal Design\Graphics\23-2323_62200_5_62210_5_62250\2300\CA3\62R00_Shec-04_US_12-45_lee_at_Thacker.dgn

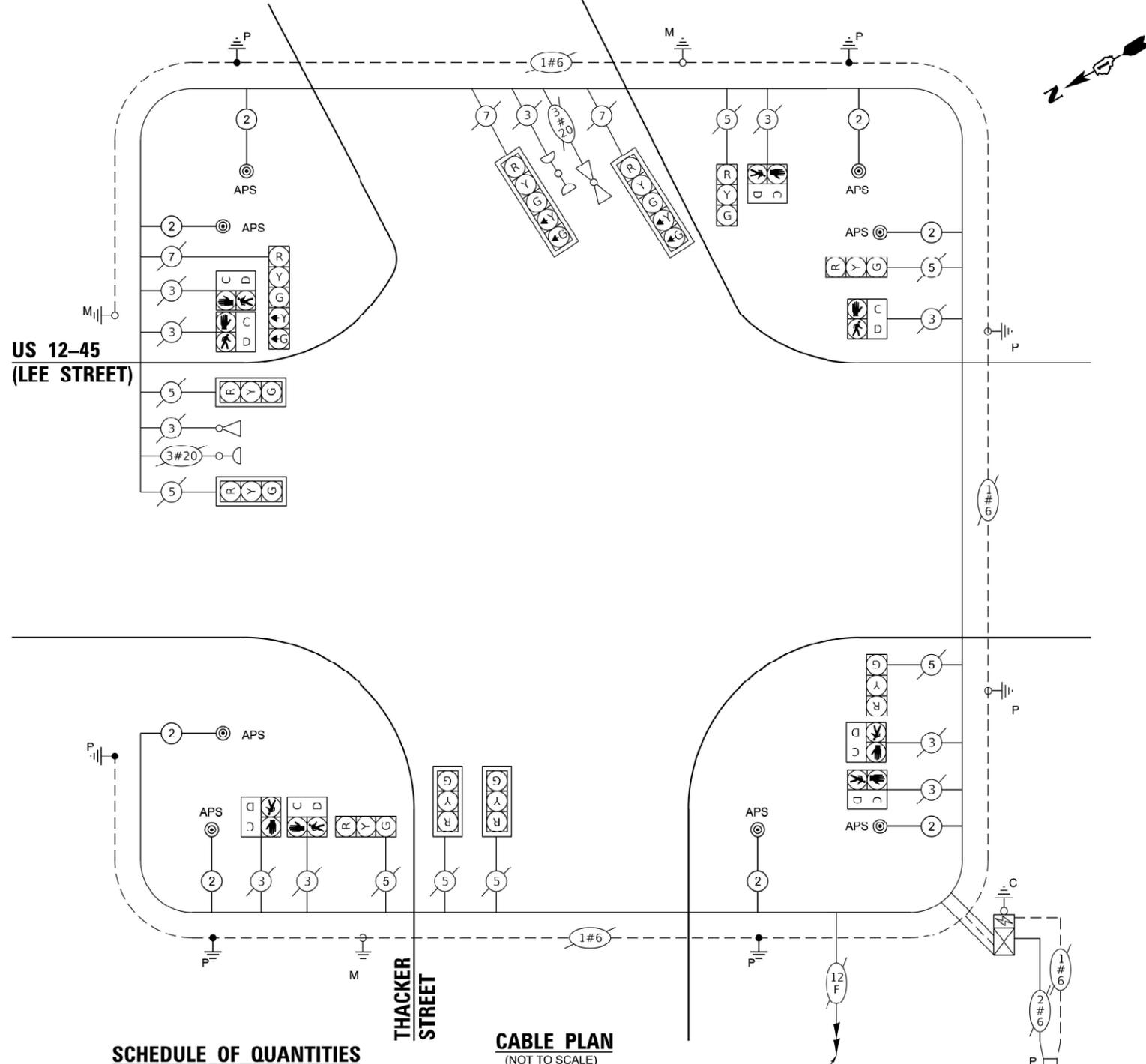
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	8	11	88
4 - SECTION	0	14	0
5 - SECTION	3	13	39
PROGRAMMABLE SIGNALS			
3 - SECTION	0	22	0
4 - SECTION	0	32	0
5 - SECTION	0	28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	0	100	0
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			422
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1027

ENERGY COSTS TO:
DES PLAINES
 1420 MINER STREET
 DES PLAINES, IL 60016

ENERGY SUPPLY:
 CONTACT: NEW BUSINESS DEPT
 PHONE: 866-639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 00231-66109

US 12-45 (LEE STREET)



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ.FT	67
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	61
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1259
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	116
DRILL EXISTING HANDHOLE	EACH	5
MODIFY EXISTING CONTROLLER	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

CABLE PLAN (NOT TO SCALE)

EXIST. INTERCONNECT TO GRACELAND AVE

TS SHT NO. 17

Sam Schwartz
 200 S. WACKER
 SUITE 1400
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = erica.salutz
 DESIGNED - ERICA SALUTZ
 DRAWN - KATHLEEN MURPHY
 CHECKED - PETER WOJTKIEWICZ
 DATE - 8/18/2023
 PLOT SCALE = 40.0000" / in.
 PLOT DATE = 2/8/2024

DESIGNED - ERICA SALUTZ
 DRAWN - KATHLEEN MURPHY
 CHECKED - PETER WOJTKIEWICZ
 DATE - 8/18/2023

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

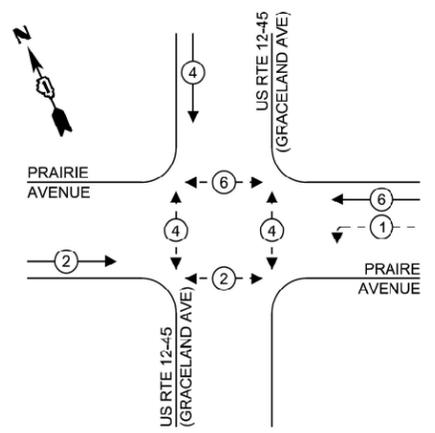
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
 PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
 US 12/45 (LEE ST) AT THACKER ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	33
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

**TS 13026
 ECON 87**

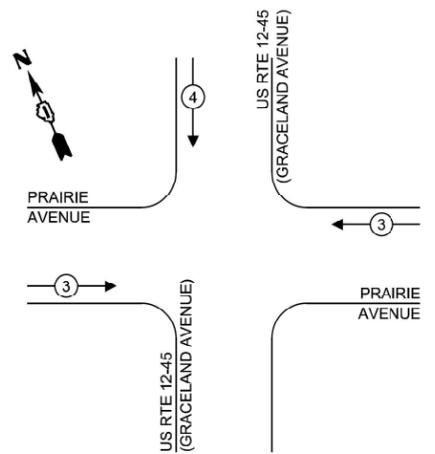
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

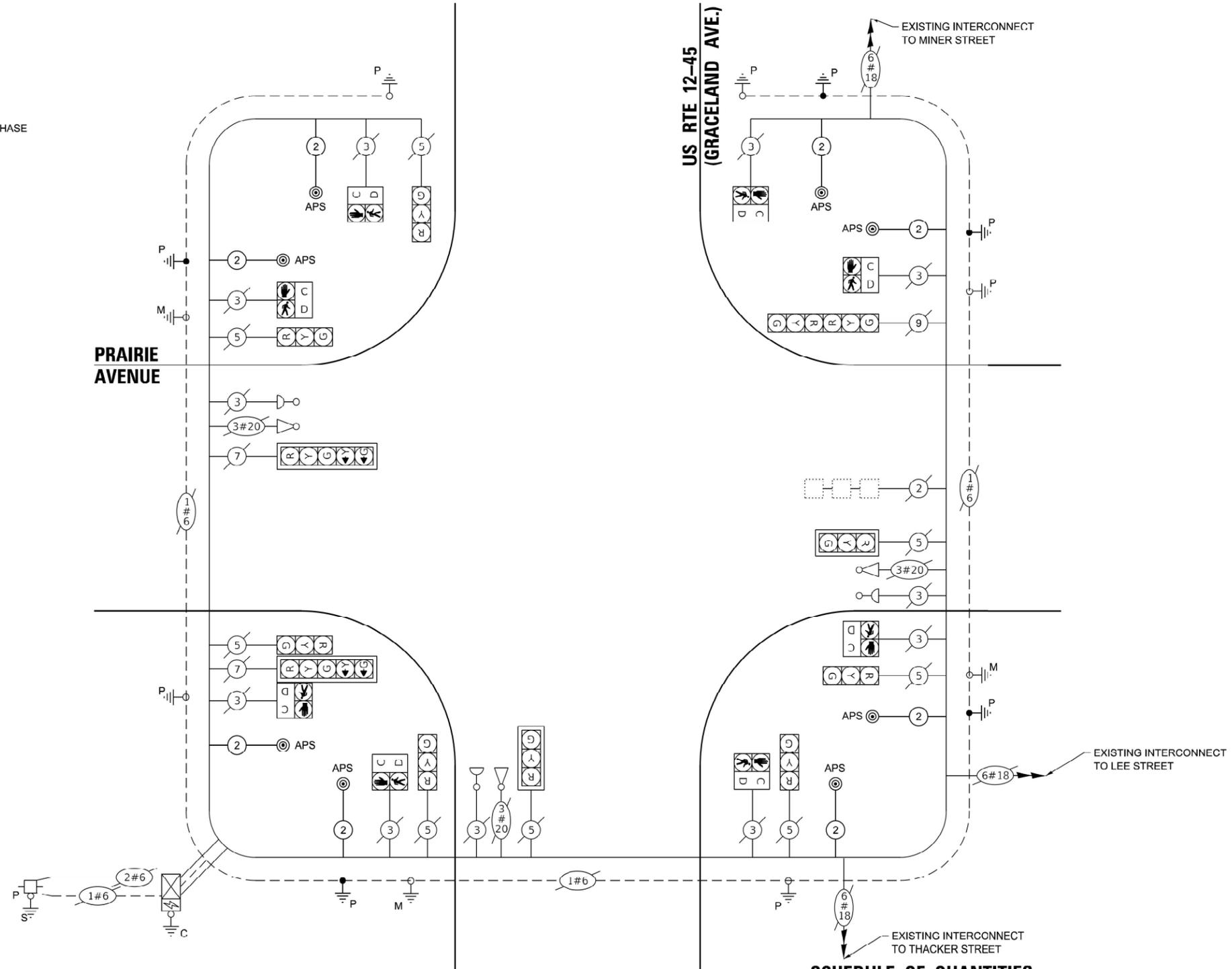
TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	10	11	110
4 - SECTION	0	14	0
5 - SECTION	2	13	26
PROGRAMMABLE SIGNALS			
3 - SECTION	0	22	0
4 - SECTION	0	32	0
5 - SECTION	0	28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	0	100	0
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			431
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1036

ENERGY COSTS TO:
DES PLAINES
 1420 MINER STREET
 DES PLAINES, IL 60016

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT
 PHONE: 866-639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 00231-66109

PRAIRIE AVENUE



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQFT	102
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	73
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1052
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	128
DRILL EXISTING HANDHOLE	EACH	5
MODIFY EXISTING CONTROLLER	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS SHT NO. 19

Sam Schwartz
 200 S. WACKER
 SUITE 1400
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

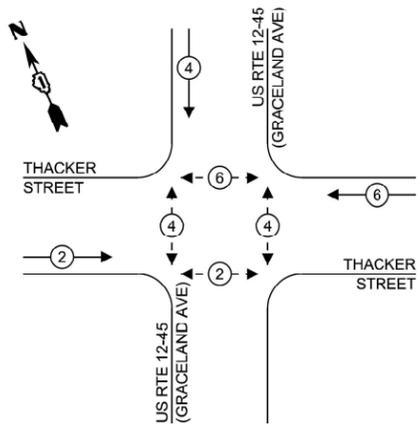
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
US 12/45 (GRACELAND AVE) AT PRAIRIE AVE

SCALE: SHEET OF SHEETS STA. TO STA.

TS 13050
ECON 87

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	35
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

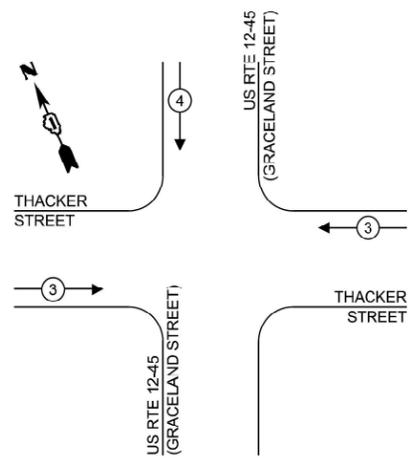
PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



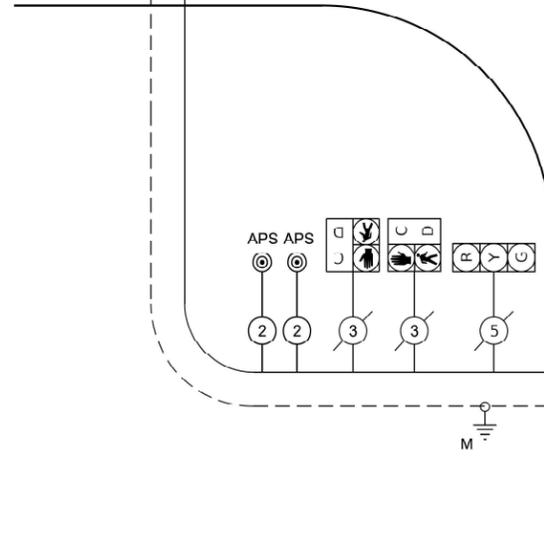
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	0	11	99
4 - SECTION	0	14	0
5 - SECTION	0	13	0
PROGRAMMABLE SIGNALS			
3 - SECTION	0	22	0
4 - SECTION	0	32	0
5 - SECTION	0	28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	0	100	0
UPS	1	25	25
DETECTION RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			394
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			999

ENERGY COSTS TO:
DES PLAINES
 1420 MINER STREET
 DES PLAINES, IL 60016

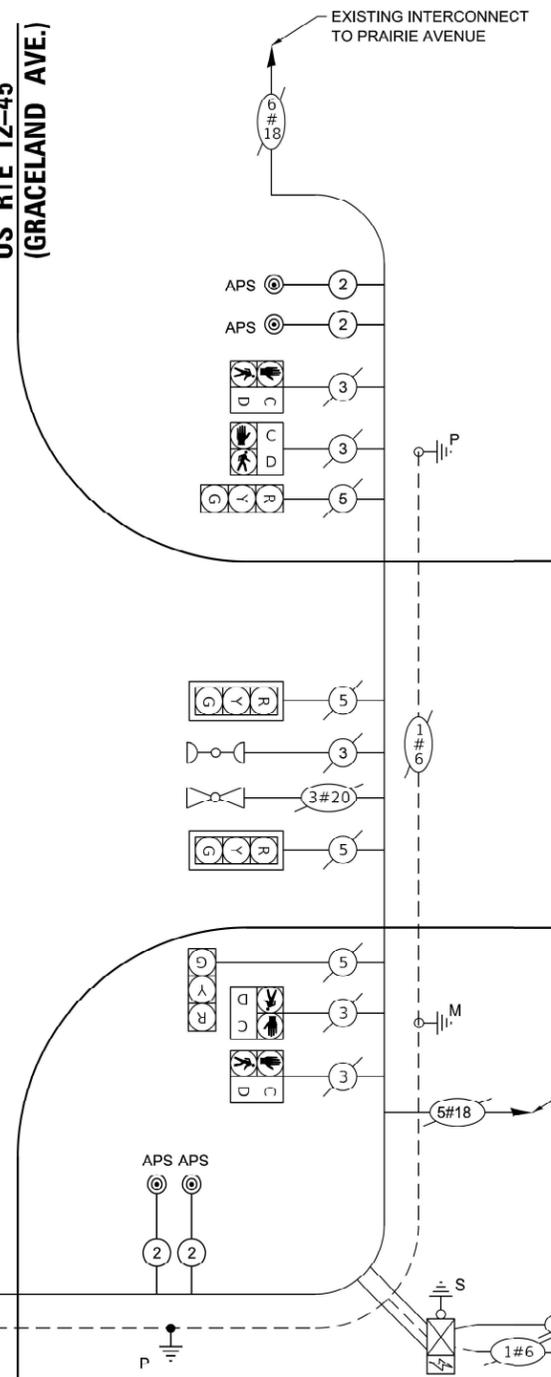
ENERGY SUPPLY:
 CONTACT: NEW BUSINESS DEPT
 PHONE: 866-639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 00231-66109

THACKER STREET



CABLE PLAN
(NOT TO SCALE)

US RTE 12-45 (GRACELAND AVE.)



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQFT	57
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	27
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1031
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	49
DRILL EXISTING HANDHOLE	EACH	2
MODIFY EXISTING CONTROLLER	FACH	1
REBUILD EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS SHT NO. 21

Sam Schwartz
 200 S. WACKER
 SUITE 1400
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

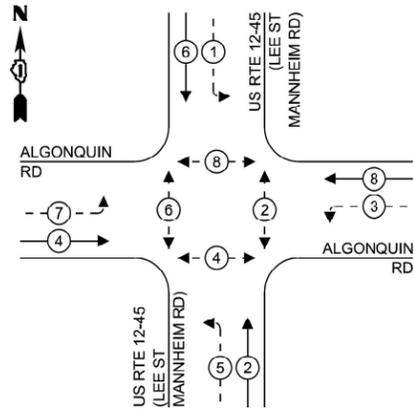
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
US 12/45 (GRACELAND AVE) AT THACKER ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	37
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

TS 13027
ECON 87

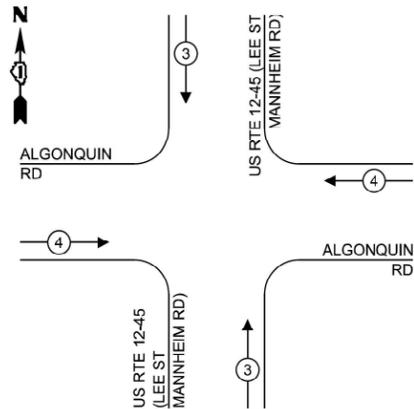
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← - * - → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



FILE NAME: N:\2019\3_CUI18-C2-4500 DDOT PFB - 00 - Various Traffic Signal Design\Graphics\22-223-62200 & 62210 & 62258\22000\CA3\62R00_Sheet-07_US_12-45-lee at Algonquin.dgn

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	4	11	44
4 - SECTION	0	14	0
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	0	22	0
4 - SECTION	0	32	0
5 - SECTION	0	28	0
PED. SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	0	100	0
UPS	1	25	25
DETECTION			
RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			443
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1048

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	37
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	60
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	631
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	216
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	220
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	115
DRILL EXISTING HANDHOLE	EACH	5
DETECTOR LOOP, TYPE I	FOOT	136
MODIFY EXISTING CONTROLLER	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	94
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:
DES PLAINES
 1420 MINER STREET
 DES PLAINES, IL 60016

ENERGY SUPPLY:
 CONTACT: NEW BUSINESS DEPT
 PHONE: 866-639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 00231-66109

TS SHT NO. 23

Sam Schwartz
 200 S. WACKER
 SUITE 1400
 CHICAGO, IL 60606
 TEL: (773) 305-0800

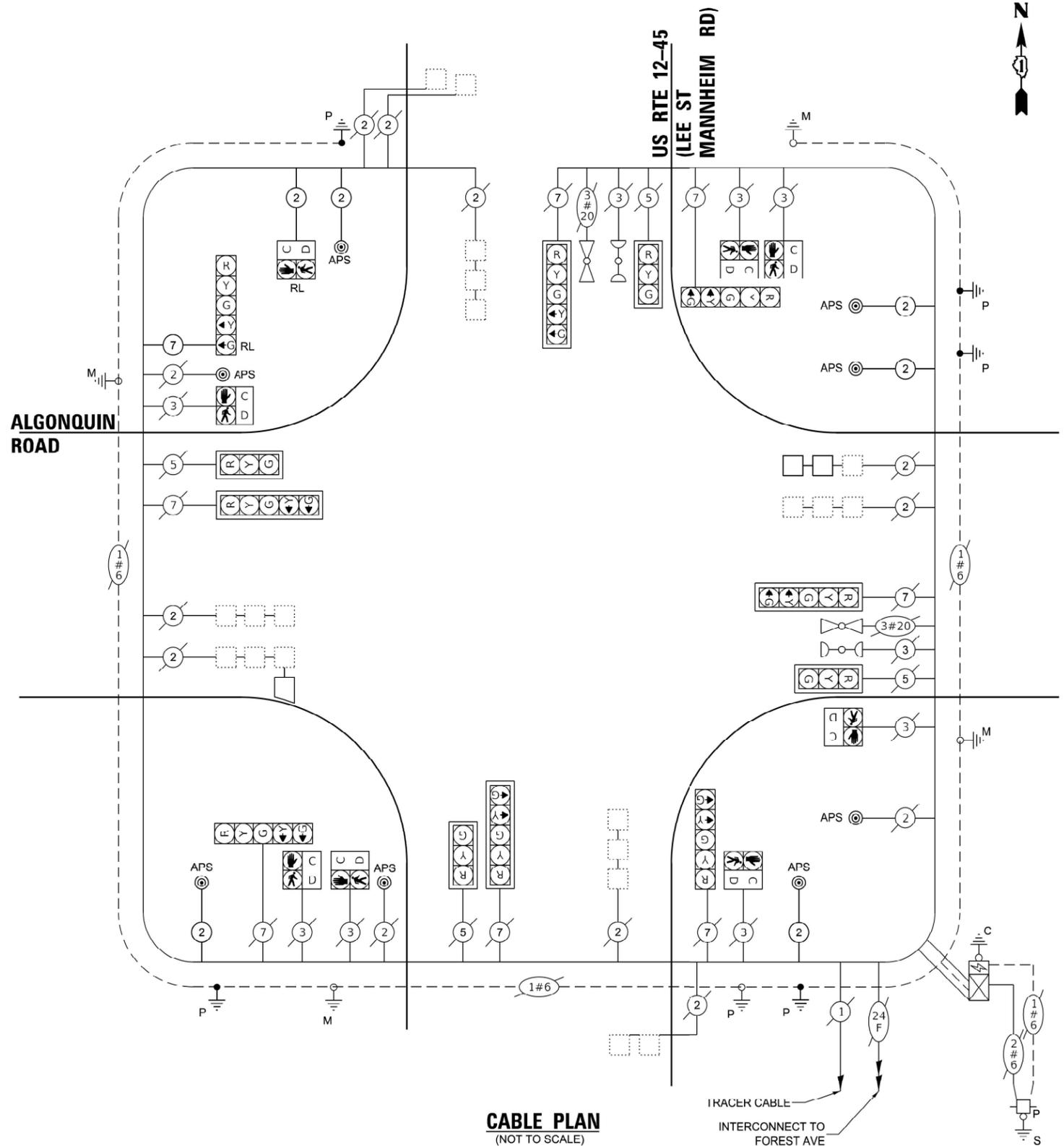
USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/15/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
 PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
 US 12/45 (LEE ST/MANNHEIM RD) AT ALGONQUIN RD**

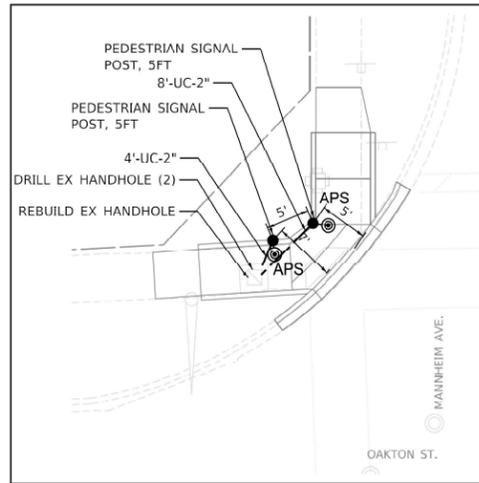
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	39
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

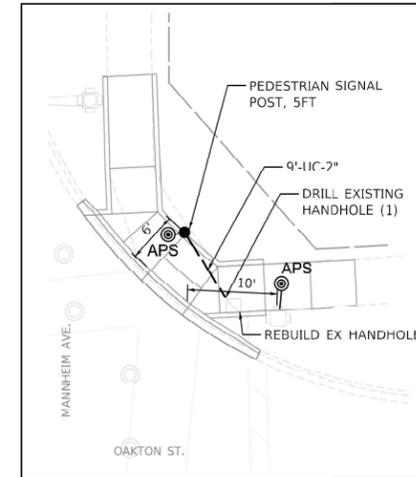


CABLE PLAN
(NOT TO SCALE)

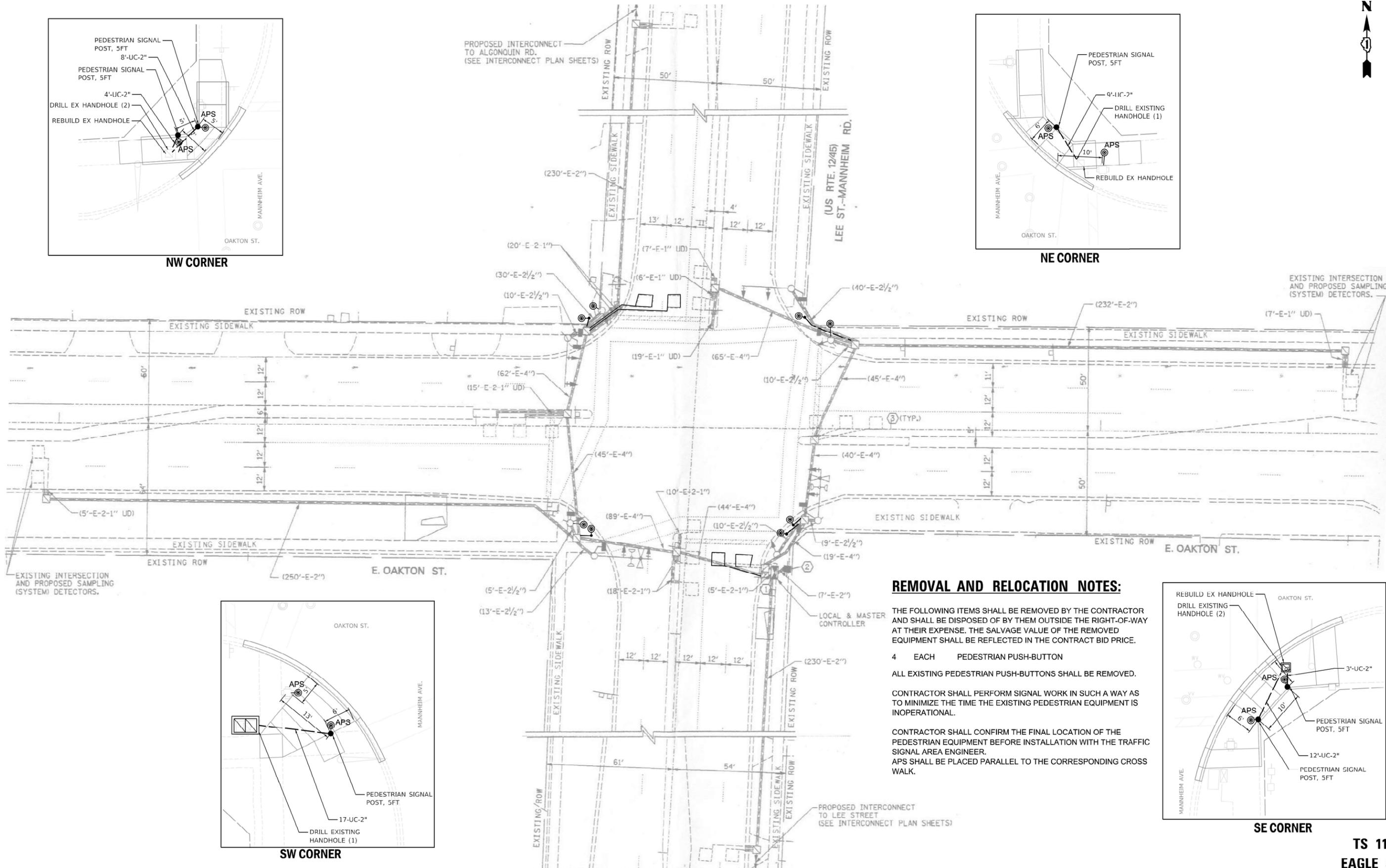
**TS 13000
 EAGLE 8N**



NW CORNER



NE CORNER



REMOVAL AND RELOCATION NOTES:

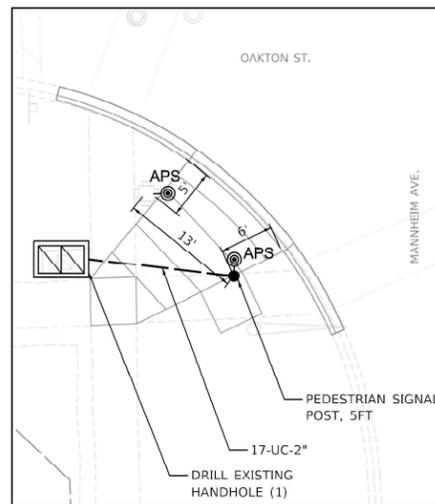
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

4 EACH PEDESTRIAN PUSH-BUTTON

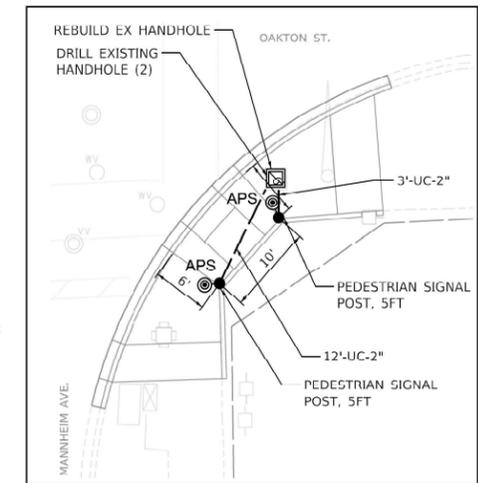
ALL EXISTING PEDESTRIAN PUSH-BUTTONS SHALL BE REMOVED.

CONTRACTOR SHALL PERFORM SIGNAL WORK IN SUCH A WAY AS TO MINIMIZE THE TIME THE EXISTING PEDESTRIAN EQUIPMENT IS INOPERATIONAL.

CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL AREA ENGINEER. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSS WALK.



SW CORNER



SE CORNER

TS SHT NO. 24

FILE NAME: N:\2019\3_Civil\18-62-2500 DDOT FTB - 90 - Various Traffic Signal Design\Graphics\18-29-223-62200 & 62110 & 62158\2200\CA3\62R00 Sheet-08_US_12-45-lee at Oakton.dgn

Sam Schwartz
200 S. WACKER
SUITE 1400
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

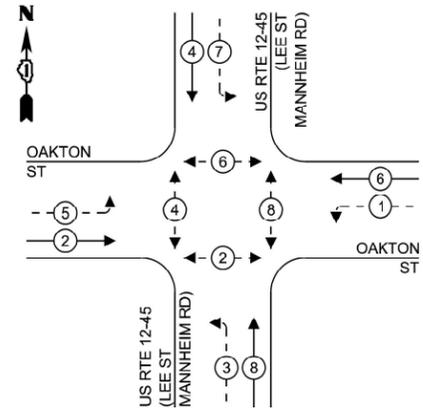
TRAFFIC SIGNAL MODERNIZATION PLAN
US 12/45 (LEE ST/MANNHEIM RD) AT OAKTON ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	40
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

TS 1130
EAGLE 8N

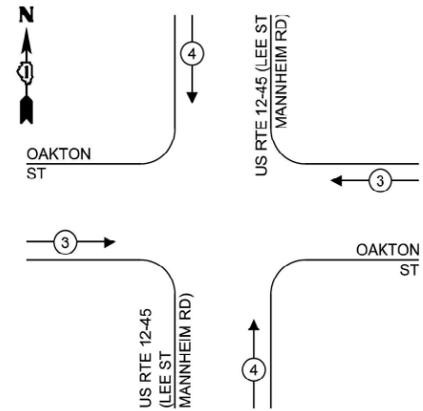
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - ⊙ → PROTECTED/PERMITTED PHASE
- ← ⊙ ⊙ → PEDESTRIAN PHASE
- ← ⊙ ⊙ OL → OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



FILE NAME: N:\2019\3_Civil\18-03-15000 DDOT PFB - 00 - Various Traffic Signal Design\Graphics\18-03-15000_62200_62200_62200_62200_62200_Sherc-08_US_12-45Lee at Oakton.dgn

TS SHT NO. 25

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD			
3 - SECTION	4	11	44
4 - SECTION	0	14	0
5 - SECTION	8	13	104
PROGRAMMABLE SIGNALS			
3 - SECTION	0	22	0
4 - SECTION	0	32	0
5 - SECTION	0	28	0
PED. SIGNAL			
CONTROLLER	1	150	150
MASTER CONTROLLER	1	100	100
UPS	1	25	25
DETECTION			
RADAR	-	20	-
VIDEO	-	20	-
BLANK-OUT SIGN			
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING =			543
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING =			1148

SCHEDULE OF QUANTITIES

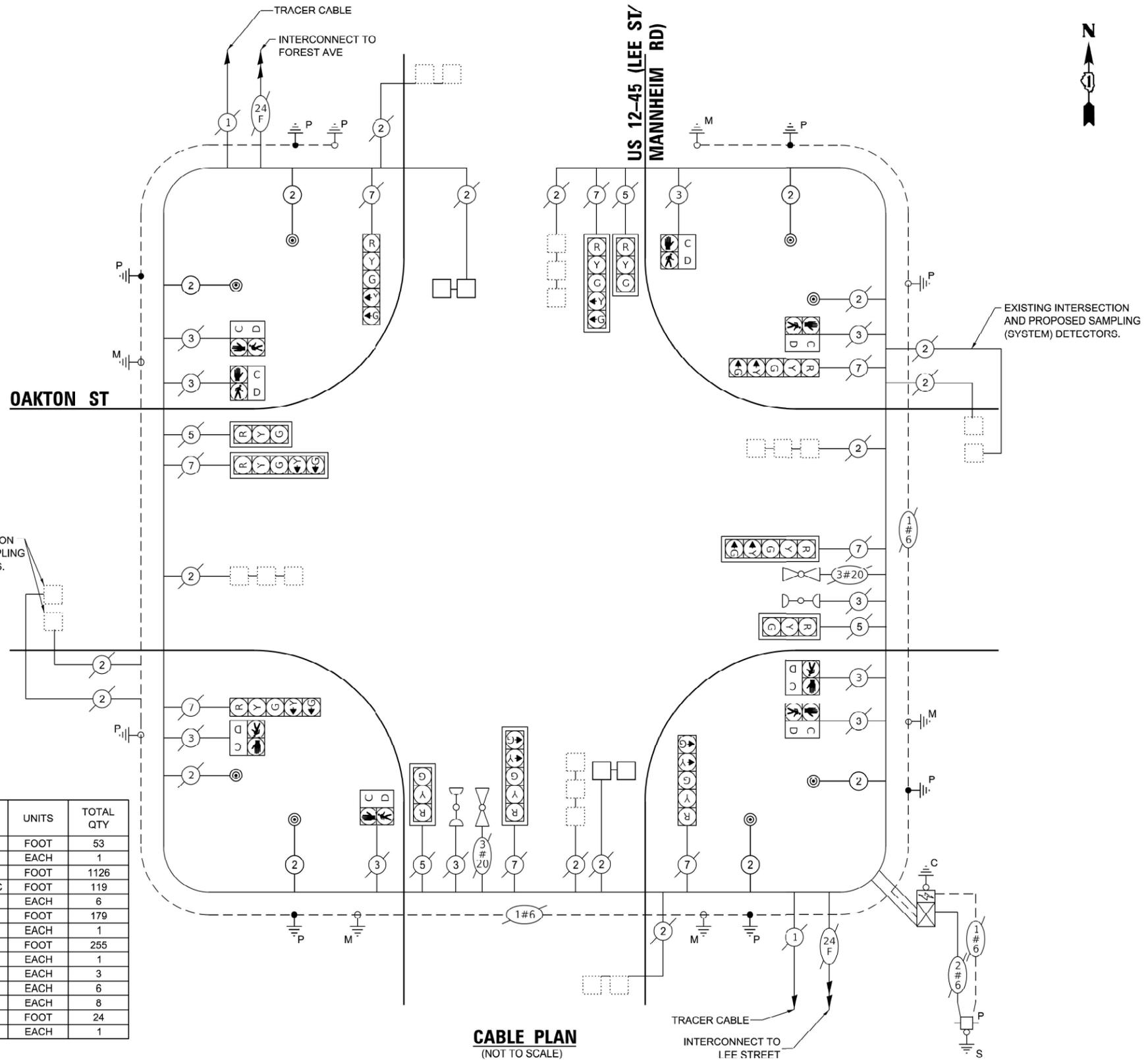
ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	53
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1126
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	119
DRILL EXISTING HANDHOLE	EACH	6
DETECTOR LOOP, TYPE I	FOOT	179
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	255
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	24
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

ENERGY COSTS TO:
DES PLAINES
 1420 MINER STREET
 DES PLAINES, IL 60016

ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPT
 PHONE: 866-639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 00231-66109

OAKTON ST



CABLE PLAN
(NOT TO SCALE)

Sam Schwartz
 200 S. WACKER
 SUITE 1400
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = erica.salutz	DESIGNED - ERICA SALUTZ	REVISED -
PLOT SCALE = 40.0000" / in.	DRAWN - KATHLEEN MURPHY	REVISED -
PLOT DATE = 2/8/2024	CHECKED - PETER WOJTKIEWICZ	REVISED -
	DATE - 8/18/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SUMMARY OF QUANTITIES
US 1245 (LEE ST/MANNHEIM RD) AT OAKTON ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	41
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

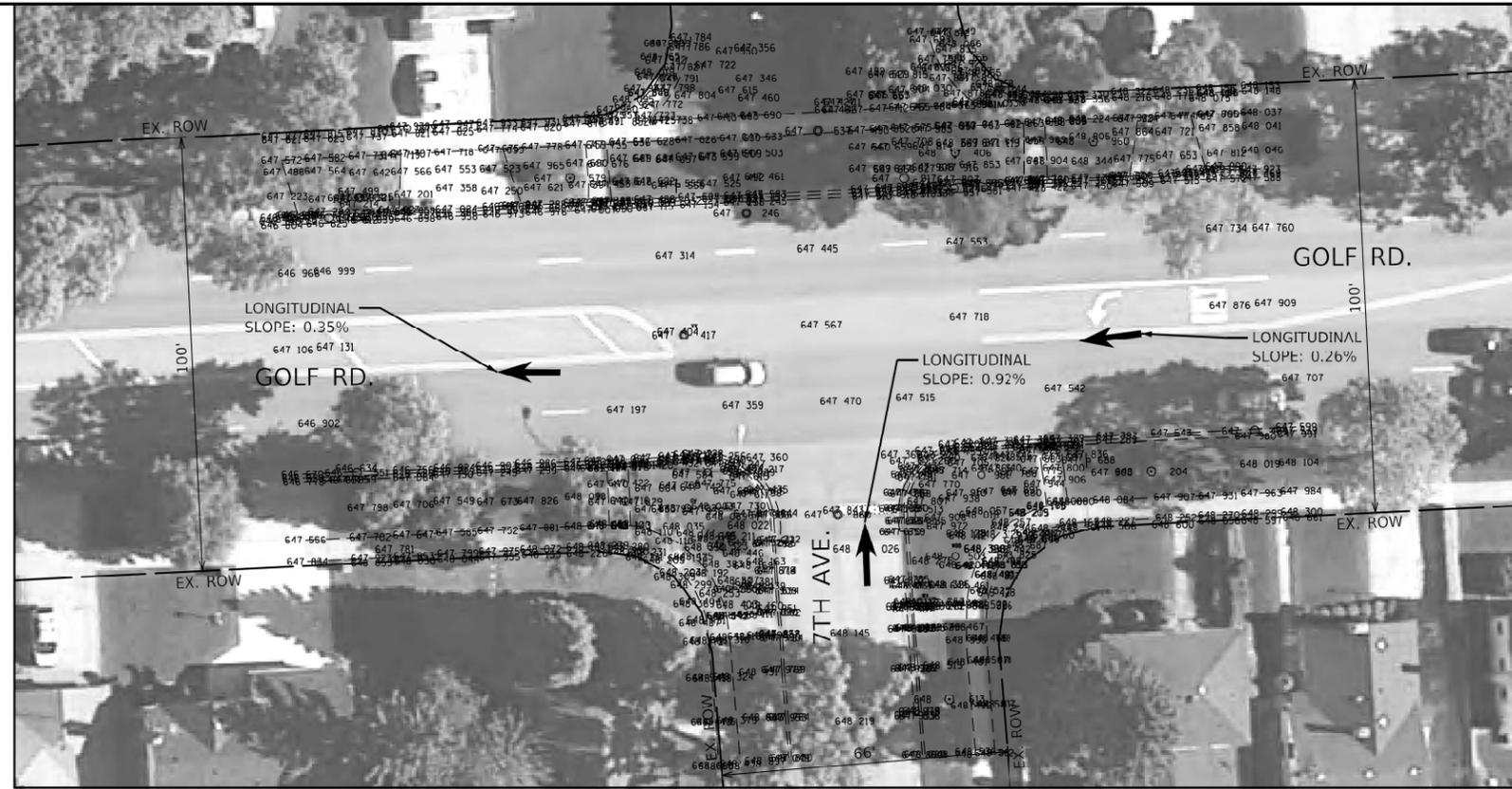
TS 1130
EAGLE 8N



NORTHWEST CORNER



SOUTHWEST CORNER



EXISTING



NORTHEAST CORNER



SOUTHEAST CORNER

Northwest Corner:
Remove Mid-Block Crossing along IL 58 (Golf Rd.)

Northeast Corner:
Remove Mid-Block Crossing along IL 58 (Golf Rd.)

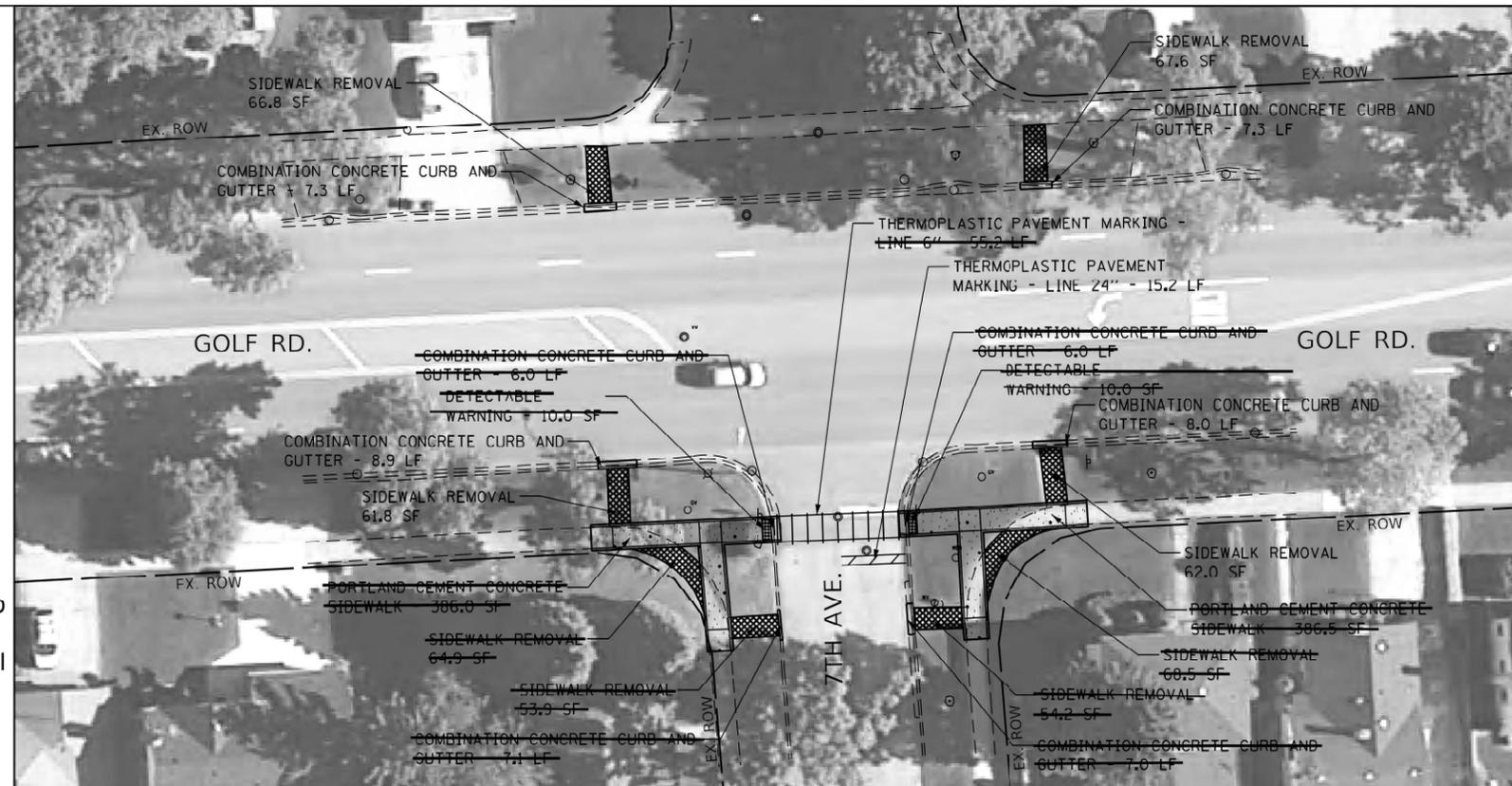
Southwest Corner:
Corner Recently Improved, Only Remove Mid-Block Crossing along IL 58 (Golf Rd.)

Southeast Corner:
Corner Recently Improved, Only Remove Mid-Block Crossing along IL 58 (Golf Rd.)

South Leg Crosswalk (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 54.0 LF

Pavement Restoration :
For restoration of any damaged pavement section due to proposed combination curb and gutter removal and replacement, 2 inches of pavement surface adjacent to the curb and gutter shall be milled and replaced with mix specified in the plans. The width of the milling shall be 2 feet, or as directed by the resident engineer.

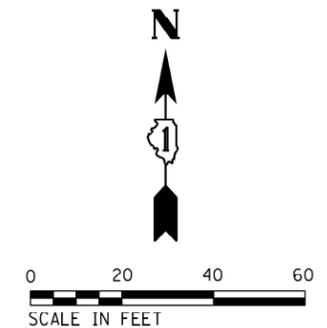
NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



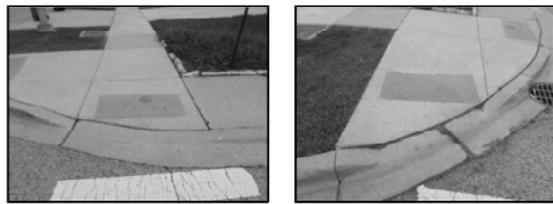
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USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP) VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	42
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



NORTH ISLAND WEST RAMP



SOUTHWEST CORNER

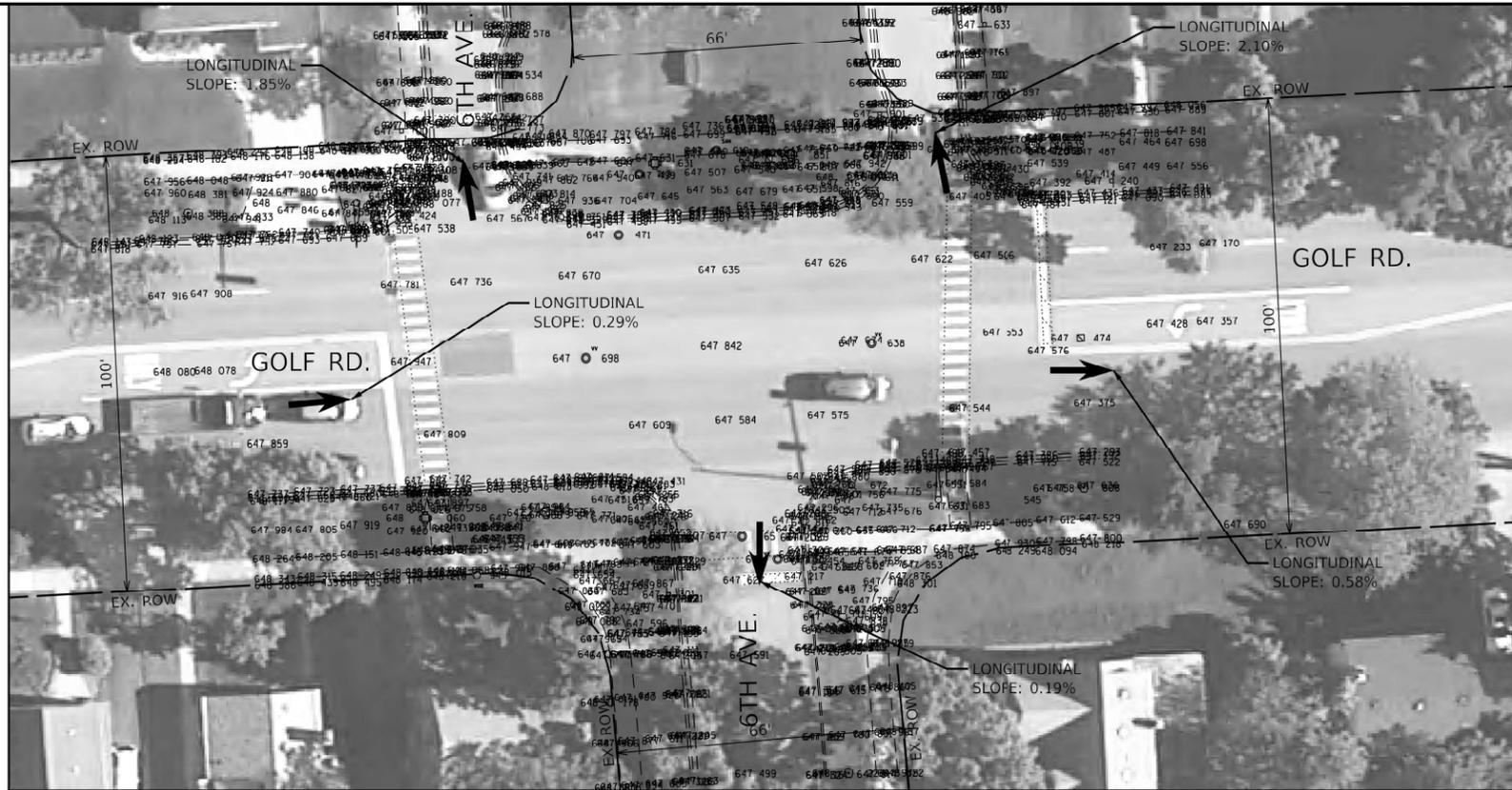


NORTH ISLAND EAST RAMP

NORTHEAST CORNER



SOUTHEAST CORNER



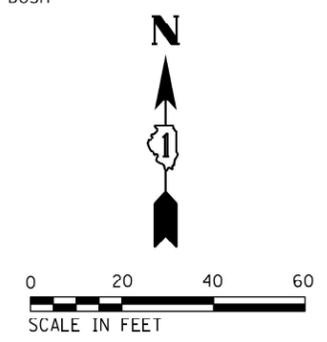
EXISTING



PROPOSED

LEGEND

	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



Northwest Corner:
 West Corner Ramps - Improve according to the details on following sheet.
 East Corner Ramp - No Improvements Proposed.

Northeast Corner:
 West Corner Ramp - No Improvements Proposed.
 East Corner Ramp - Improve according to the details on following sheet.

Southwest Corner:
 Mid-Block Ramp along IL 58 (Golf Rd.) - Improve according to Highway Standard 424016.
 Ramp along 6th Ave. - Improve with Full-Width Detectable Warning Only.

Southeast Corner:
 Mid-Block Ramp along IL 58 (Golf Rd.) - Improve according to Highway Standard 424016.
 Ramp along 6th Ave. - Improve with Full-Width Detectable Warning Only.

All Crosswalks (School Crossing TC-13):
 Thermoplastic Pavement Marking - Line 12" - 378.0 LF

NOTE:
 PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

MODEL - Golf and 6th (Sheet)
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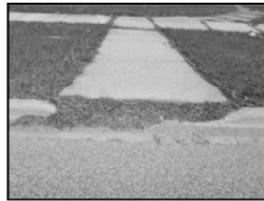
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	43
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



NORTHWEST CORNER



SOUTHWEST CORNER



EXISTING



NORTHEAST CORNER

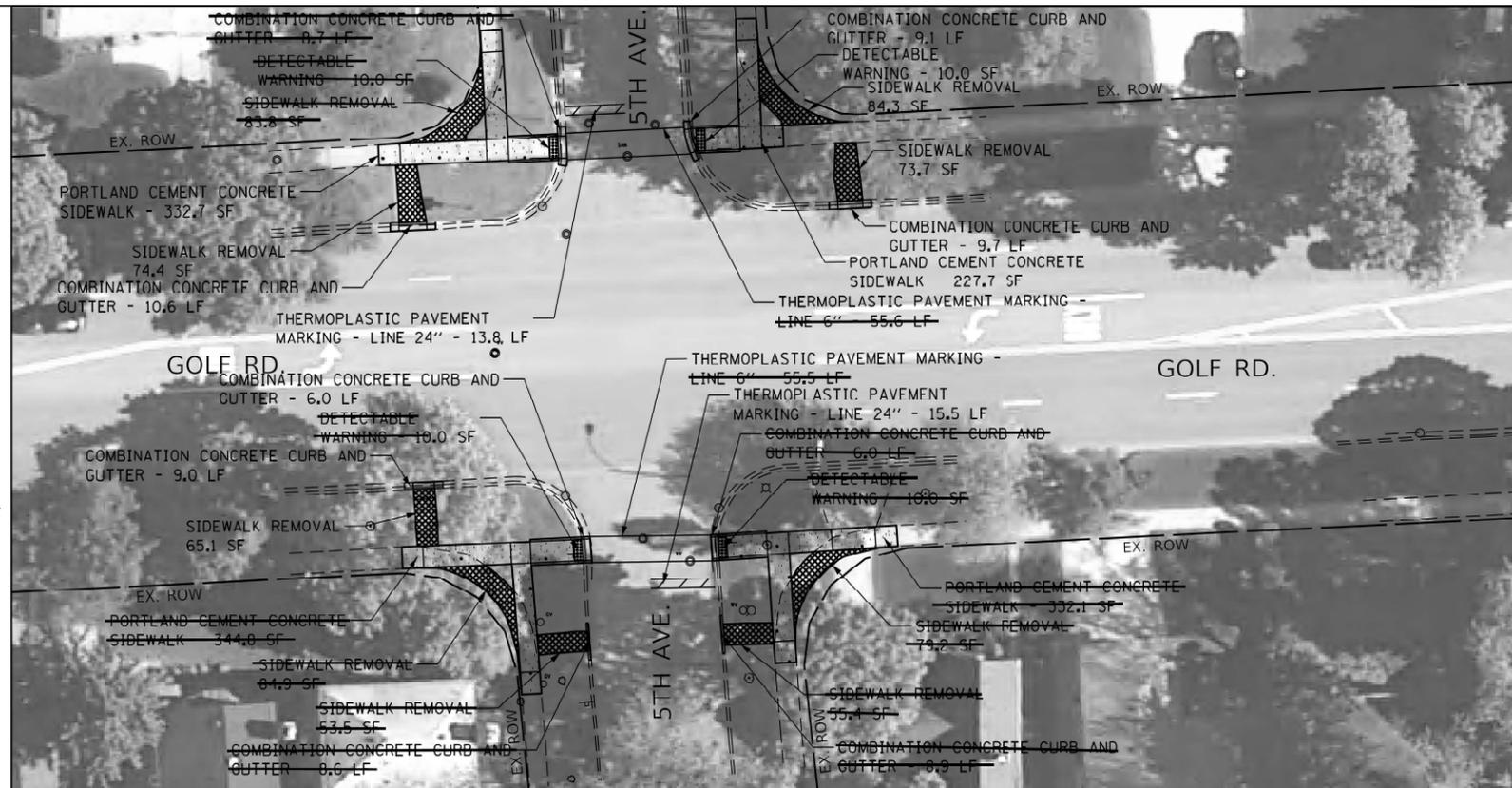
Northwest Corner:
Corner Recently Improved, Only Remove Mid-Block Crossing along IL 58 (Golf Rd.)

Northeast Corner:
Improve according to the detail on following sheet.

Southwest Corner:
Corner Recently Improved, Only Remove Mid-Block Crossing along IL 58 (Golf Rd.)

Southeast Corner:
Corner Recently Improved, No Improvements Proposed.

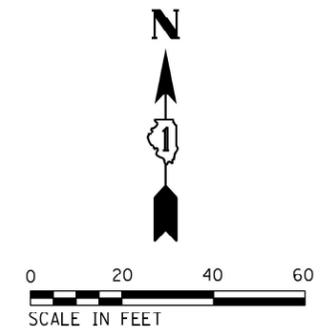
All Crosswalks (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 108.0 LF



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	45
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

MODEL: Golf and 5th (Sheet)
FILE NAME: c:\p\work\wv\dotm\cholas.babul\illinois.gov\1017435\1017435-22-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -



SOUTHWEST CORNER



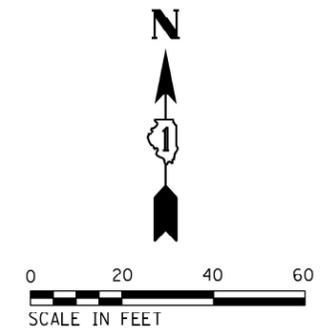
EXISTING

Southwest Corner:
 Mid-Block Ramp along IL 58 (Golf Rd.) - Remove.
 Mid-Block Ramp along 6th Ave. - Remove.



PROPOSED

- LEGEND**
- DETECTABLE WARNING
 - SIDEWALK REMOVAL
 - NEW PCC SIDEWALK
 - REMOVE AND REPLACE NEW PCC SIDEWALK
 - COMBINATION CONCRETE CURB AND GUTTER
 - EXISTING R.O.W. LINE
 - SINGLE POST SIGN
 - ABOVE GROUND SPLICE BOX
 - CONTROLLER BOX
 - FIRE HYDRANT
 - GUY POLE
 - HANDHOLE
 - LIGHT STANDARD
 - MANHOLE
 - POWER LINE
 - TELEPHONE
 - TRAFFIC SIGNAL
 - VEGETATION OUTLINE
 - SINGLE TREE OR BUSH



NOTE:
 PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

MODEL: Golf and 4th (Sheet)
 FILE NAME: c:\p\work\wv\dot\ntcholas.babu\illinois.gov\1017435\1017435-22-sht-phase-one-details.dgn

USER NAME = nicholas.babu	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

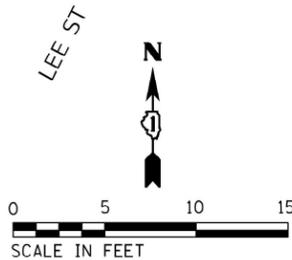
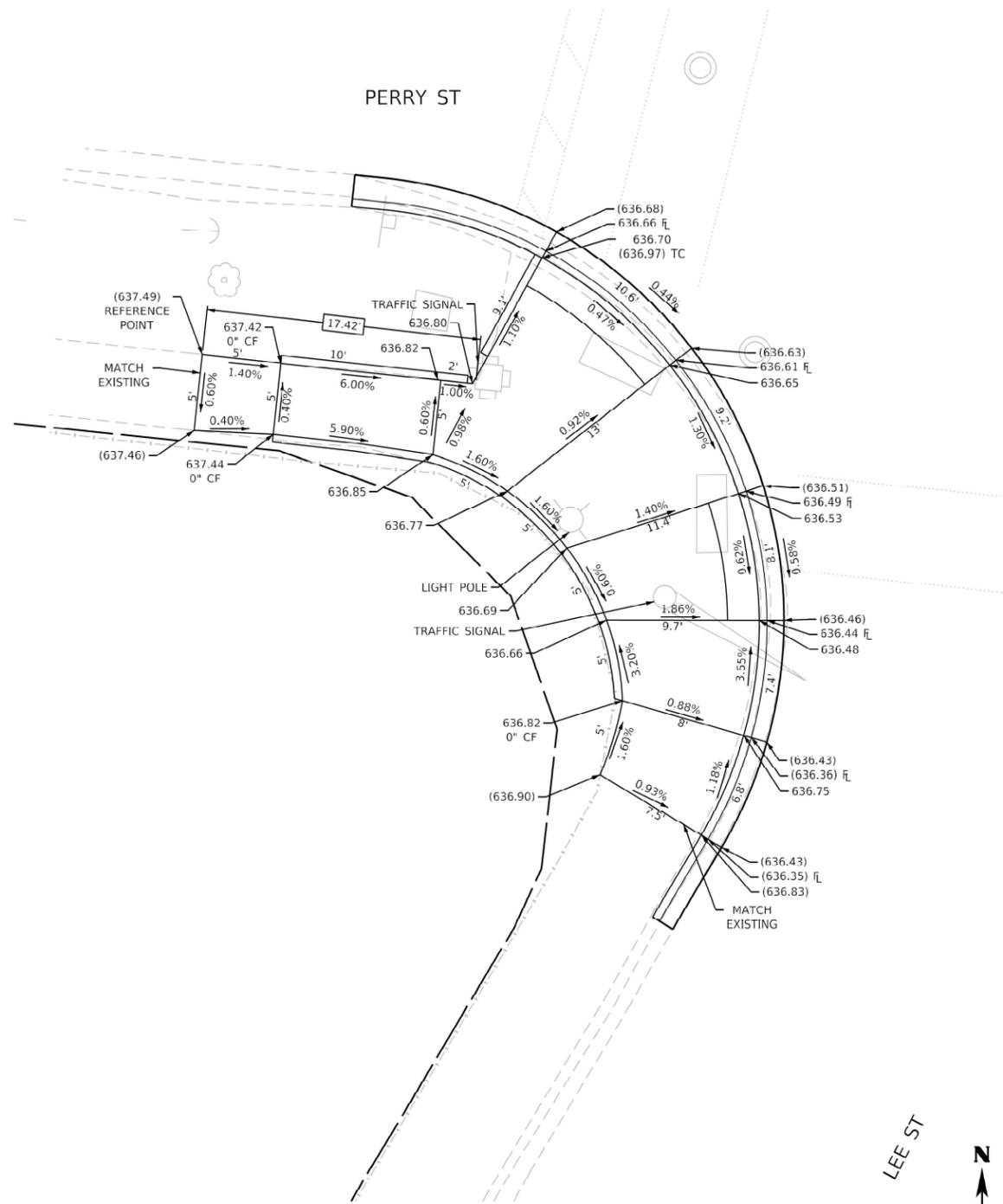
ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	47
CONTRACT NO. 62R00				
ILLINOIS		FED. AID PROJECT		

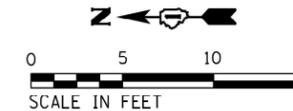
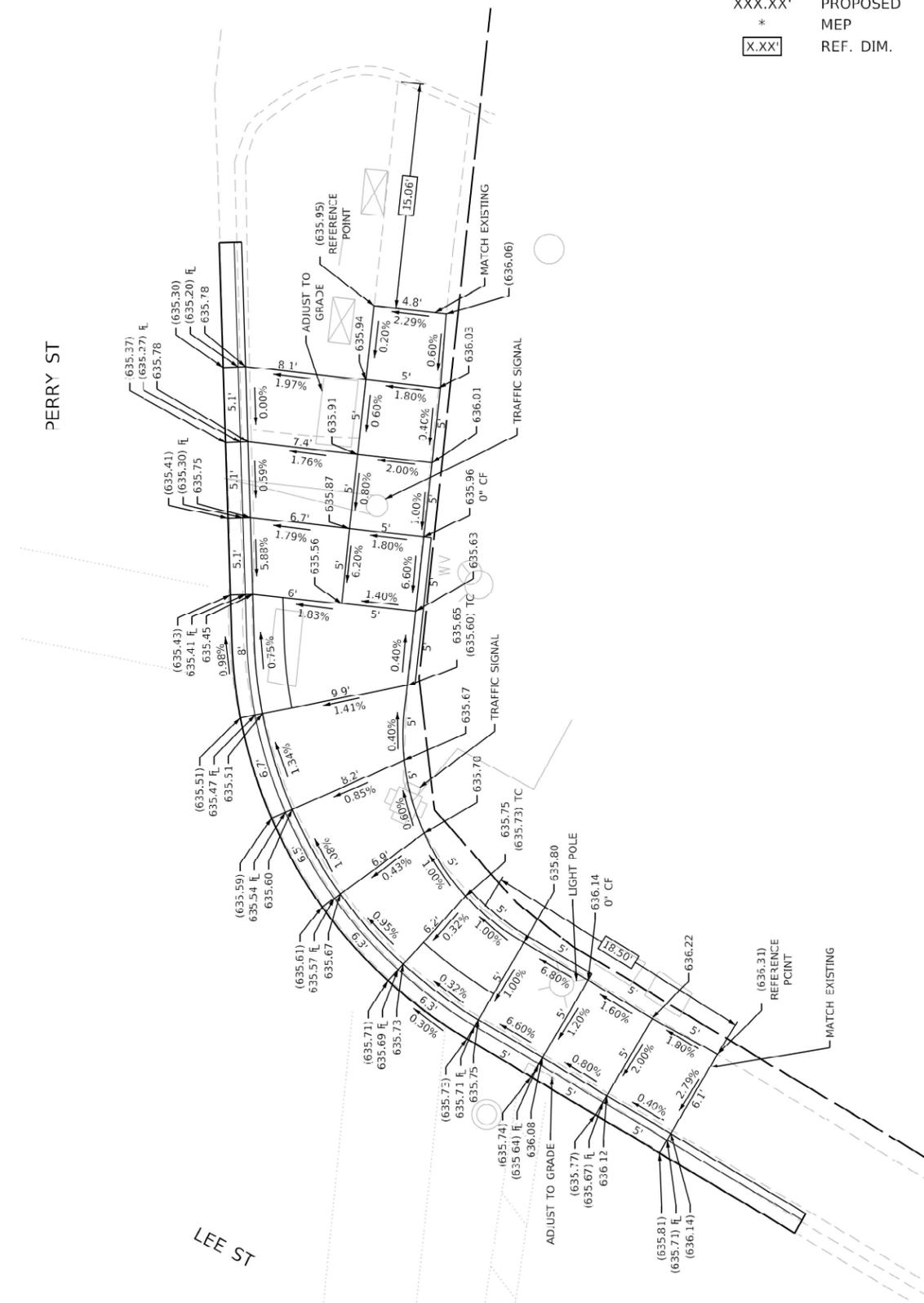
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP FL FLOW LINE
 X.XX' REF. DIM.



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP FL FLOW LINE
 X.XX' REF. DIM.



MODEL: Lee and Perry - 2 (Sheet)
 FILE NAME: c:\p\work\1719\1719-2\1719-2-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

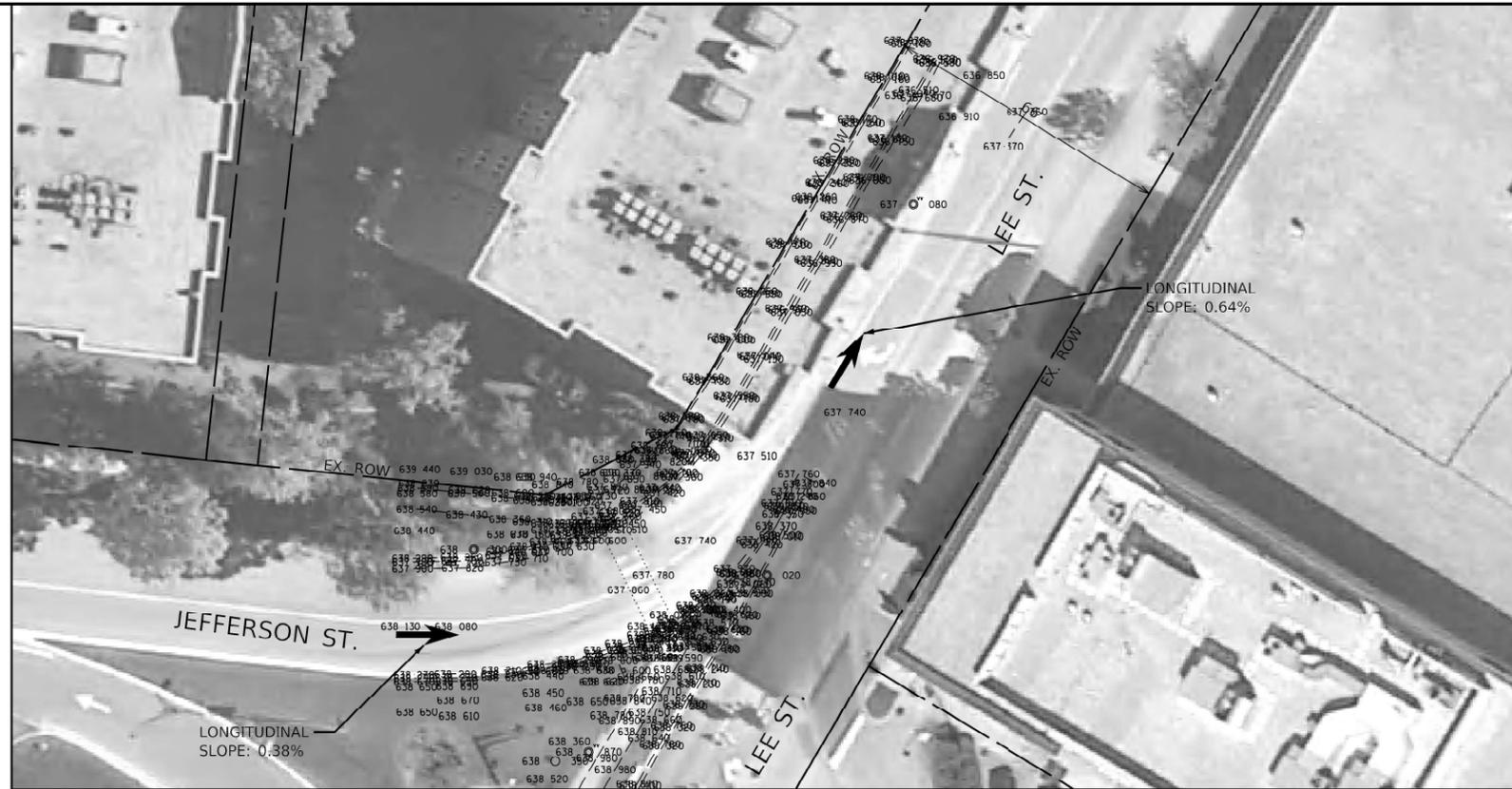
**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	53
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



EXISTING



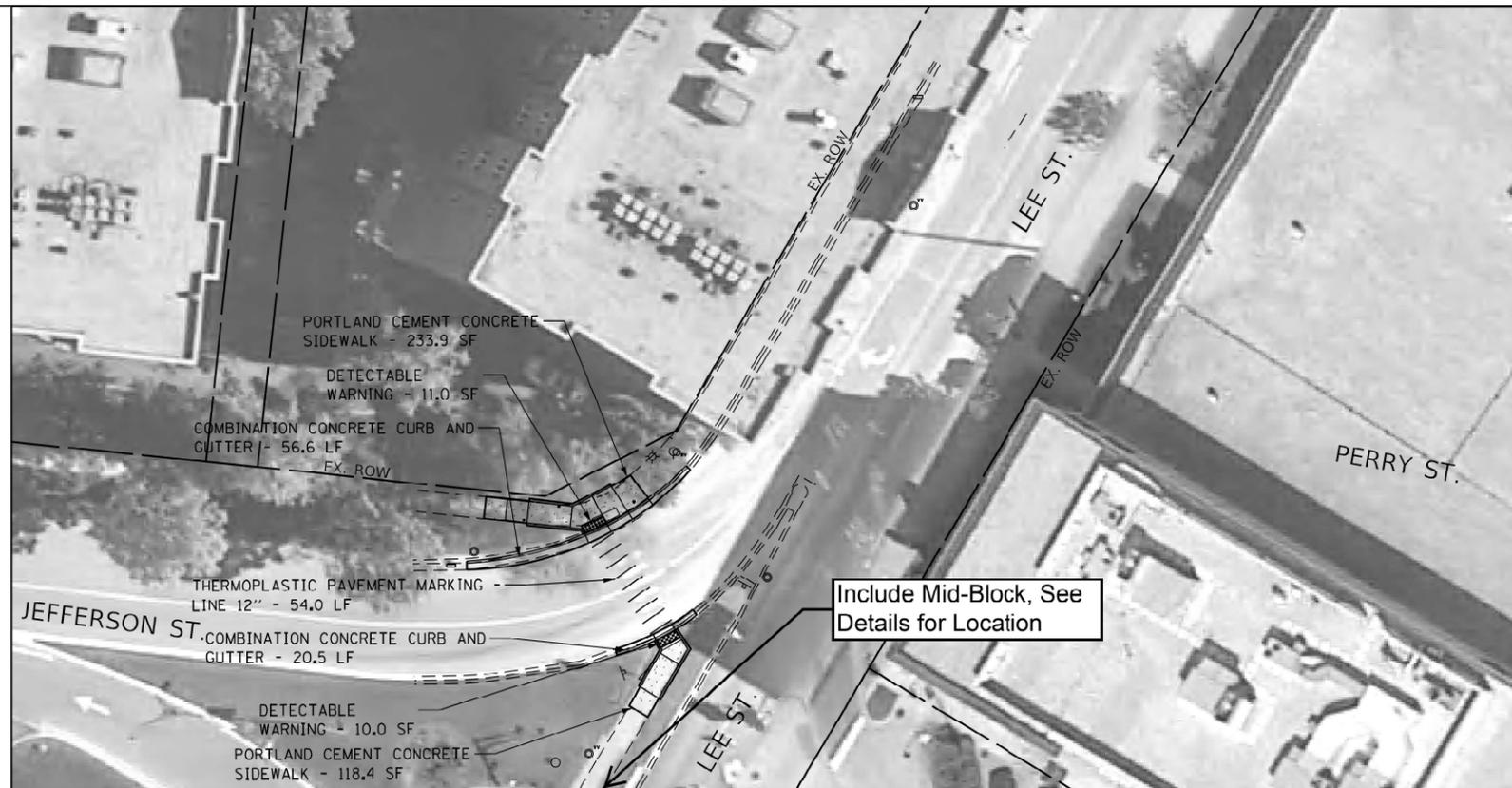
SOUTHEAST CORNER

Northwest Corner:
Improve according to the details on the following sheets.

Southeast Corner:
Improve according to the details on the following sheets.

Median Mid-Block Ramp:
Improve according to Highway Standard 424016.

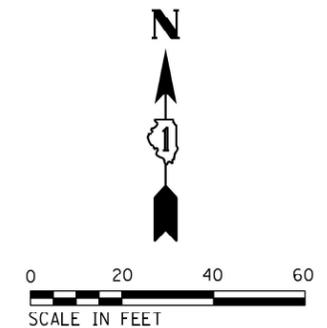
All Crosswalks (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 90.0 LF



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



MODEL: Lee and Jefferson (Sheet)
FILE NAME: c:\p\work\wv\2024\cholas.babul\illinois.gov\1017435\1017435-24-eh-phase-one-details.dgn

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

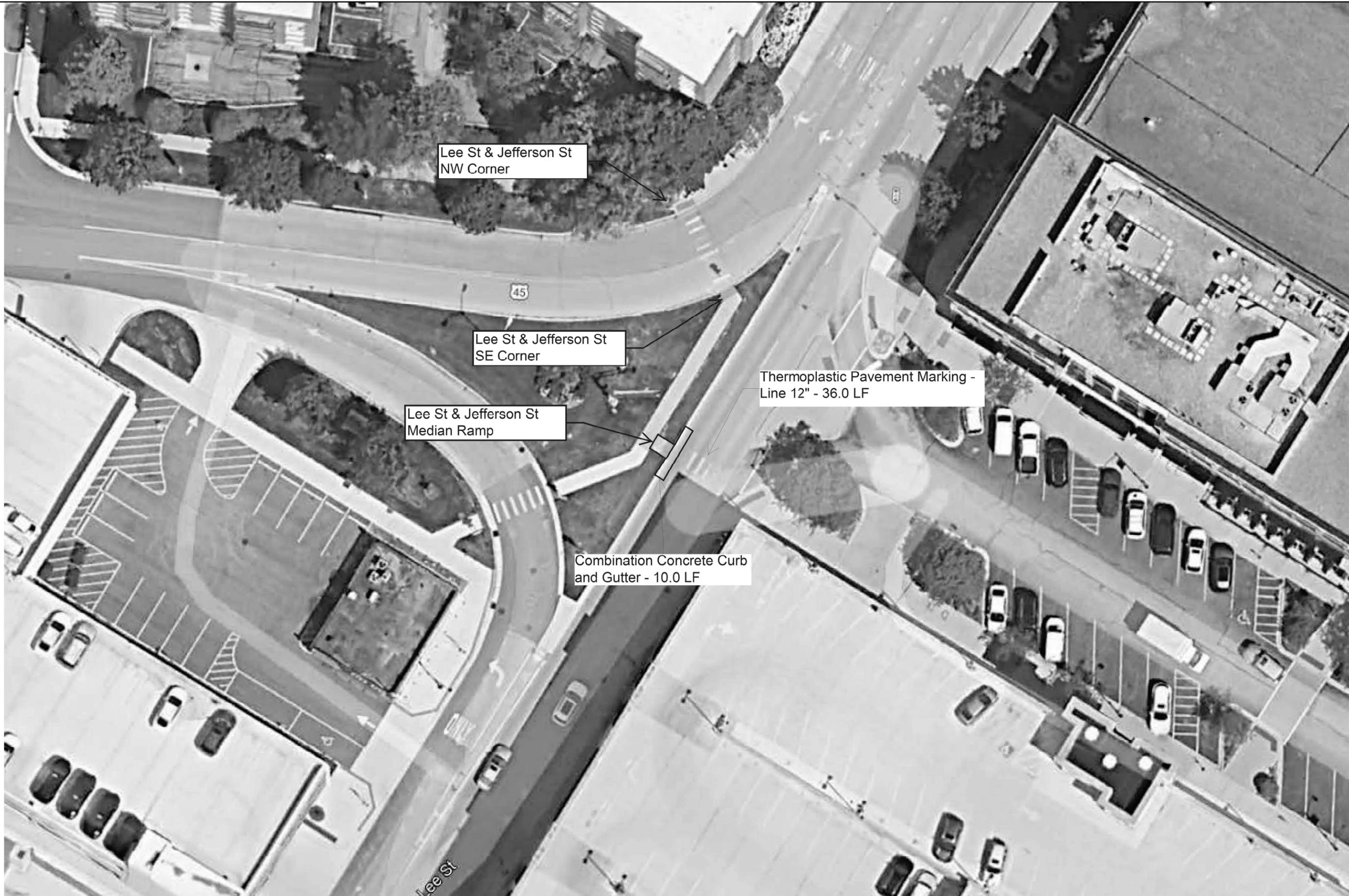
USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	54
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



MODEL: Lee and Jefferson - 2 [Sheet]
 FILE NAME: c:\p\work\wv\wv\wv\nicholas.babul@illinois.gov\1017435D107822-eh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

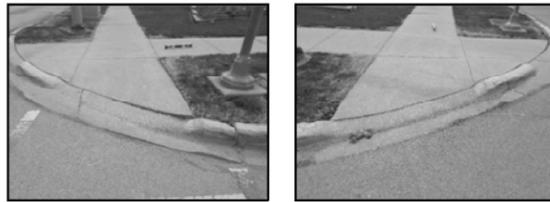
ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

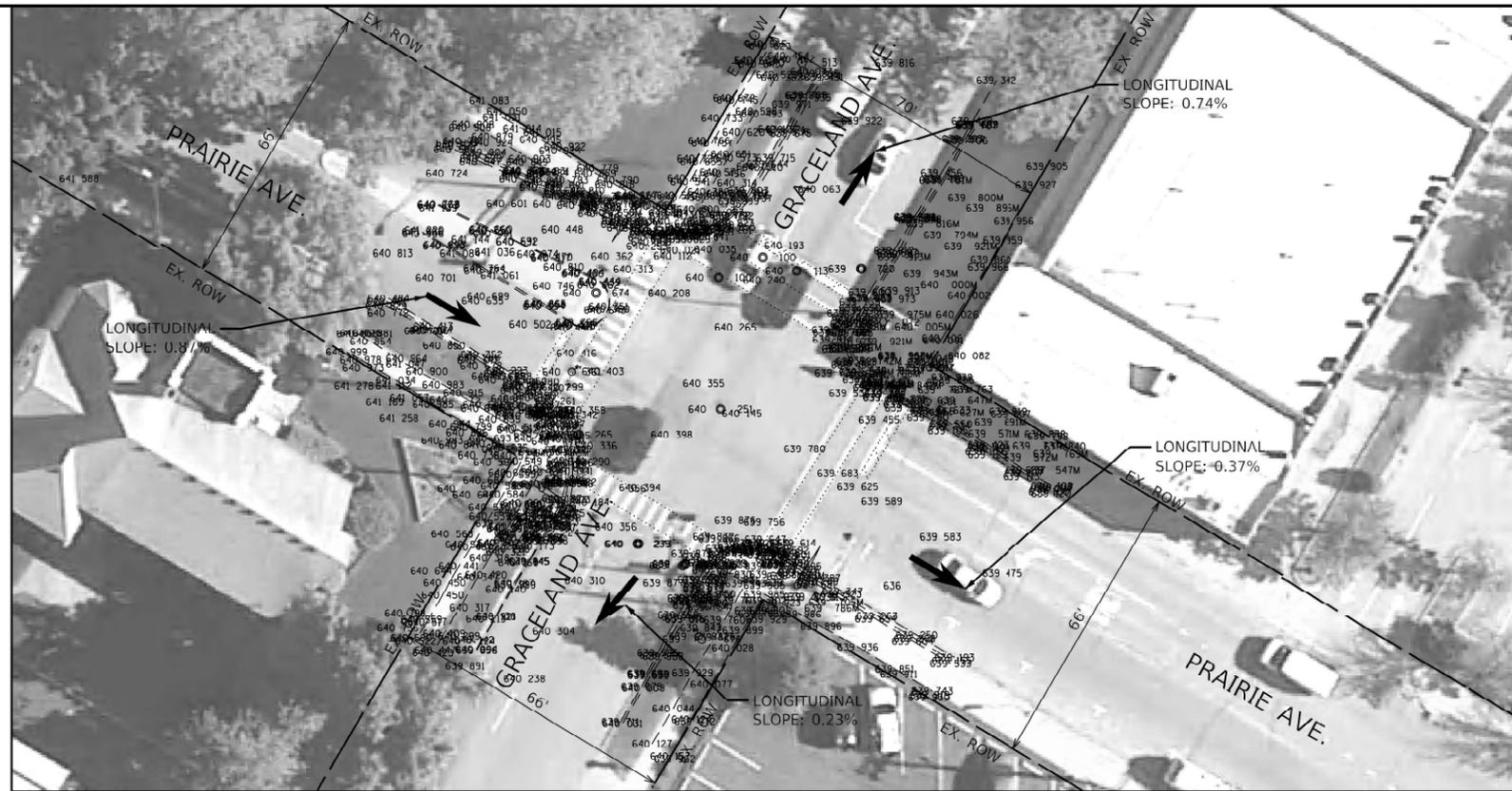
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	56
CONTRACT NO. 62R00			ILLINOIS FED. AID PROJECT	



NORTHWEST CORNER



SOUTHWEST CORNER



EXISTING



NORTHEAST CORNER



SOUTHEAST CORNER

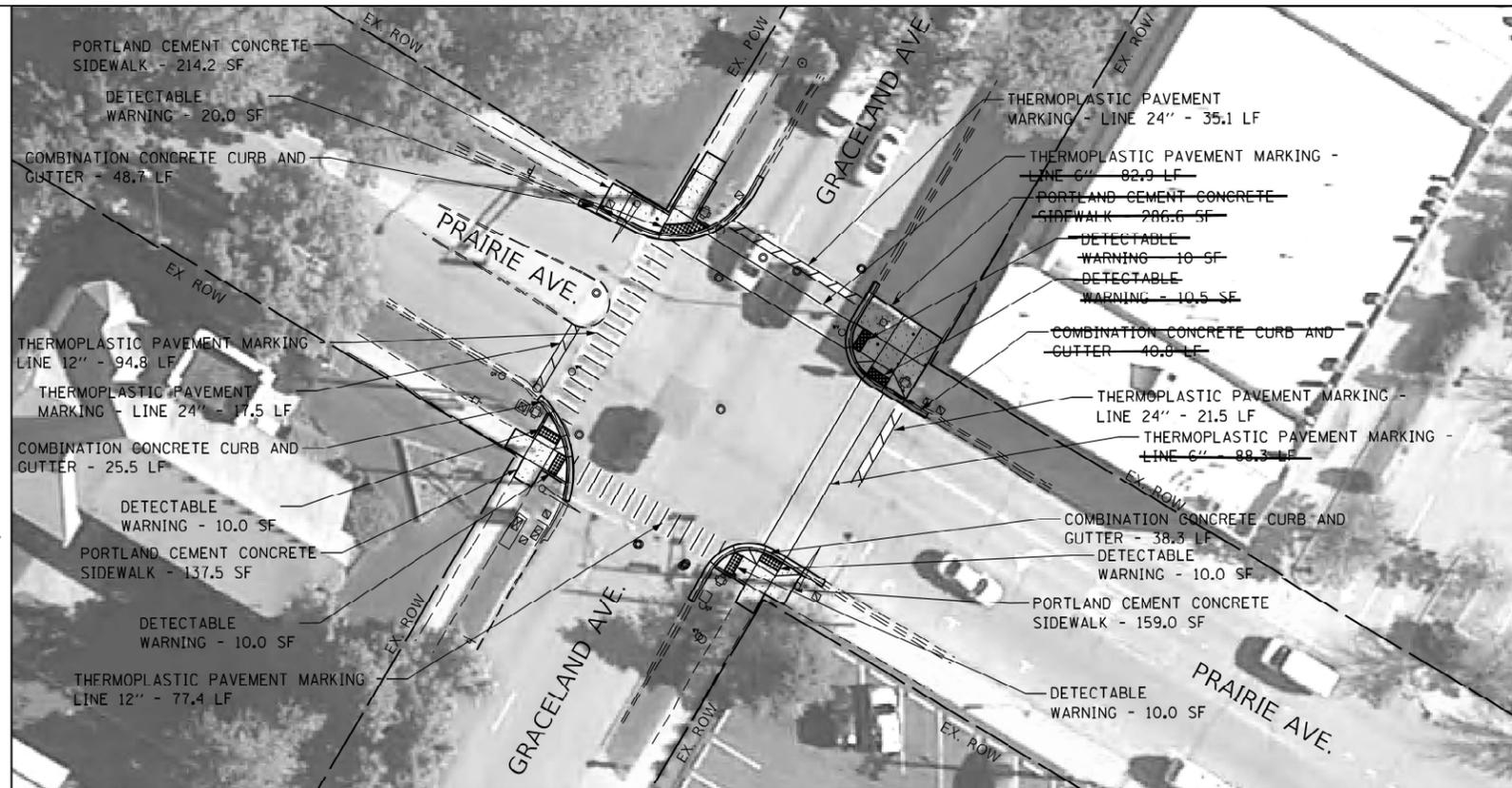
Northwest Corner:
Improve according to the details on the following sheets.

Northeast Corner:
Corner Recently Improved, No Improvements Proposed.

Southwest Corner:
Improve according to the details on the following sheets.

Southeast Corner:
Improve according to the details on the following sheets.

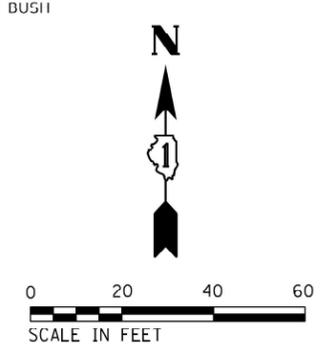
All Crosswalks (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 312.0 LF



PROPOSED

LEGEND

	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



MODEL: Graceland and Prairie (Sheet)
FILE NAME: c:\p\work\aw\2024\179-sw\phase-one-details.dgn

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

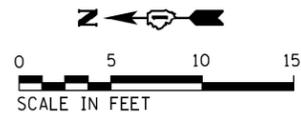
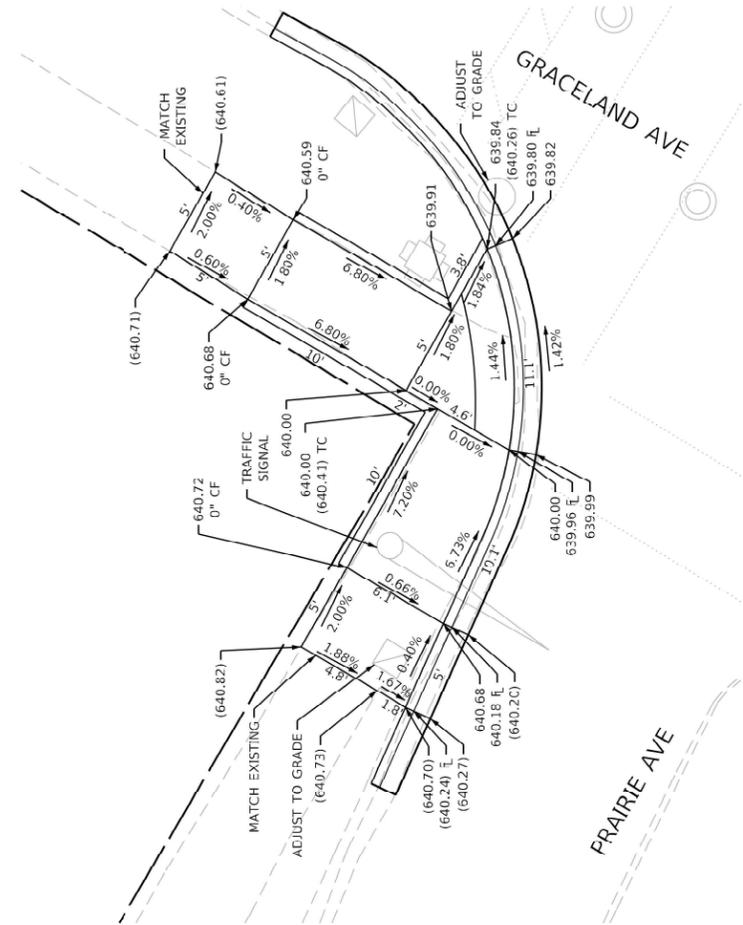
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP) VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	59
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

LEGEND

- (XXX.XX') EXISTING TC TOP OF CURB
- XXX.XX' PROPOSED CF CURB FACE
- * MEP FL FLOW LINE
- X.XX' REF. DIM.



MODEL: Graceland and Prairie - 1 (Sheet)
 FILE NAME: c:\p\work\w2401\nicholas.babu\illinois.gov\1017435\1017435-24-24-st-phase-one-details.dgn

USER NAME = nicholas.babu	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

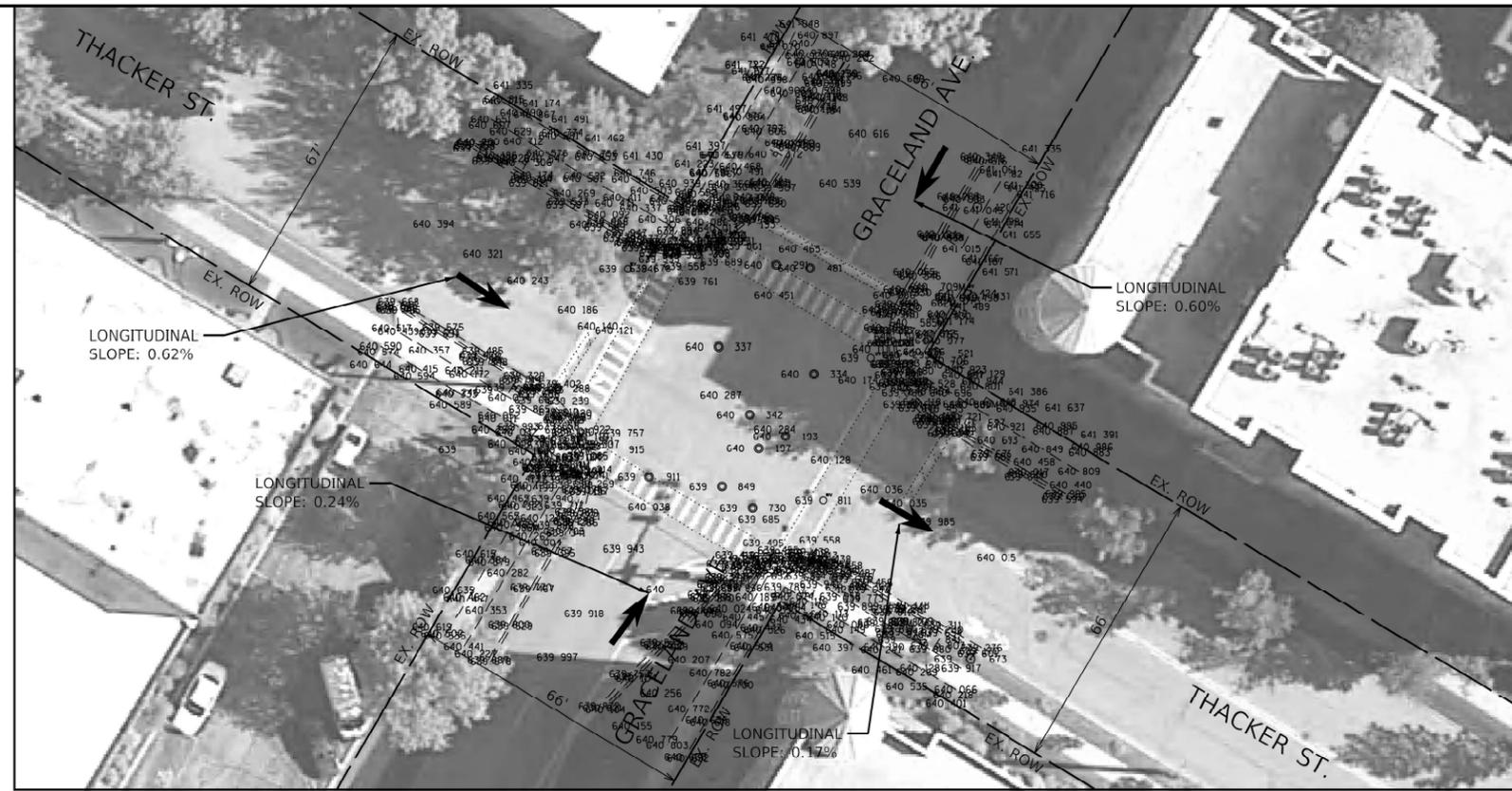
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	60
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



SOUTHWEST CORNER



EXISTING



NORTHEAST CORNER



SOUTHEAST CORNER

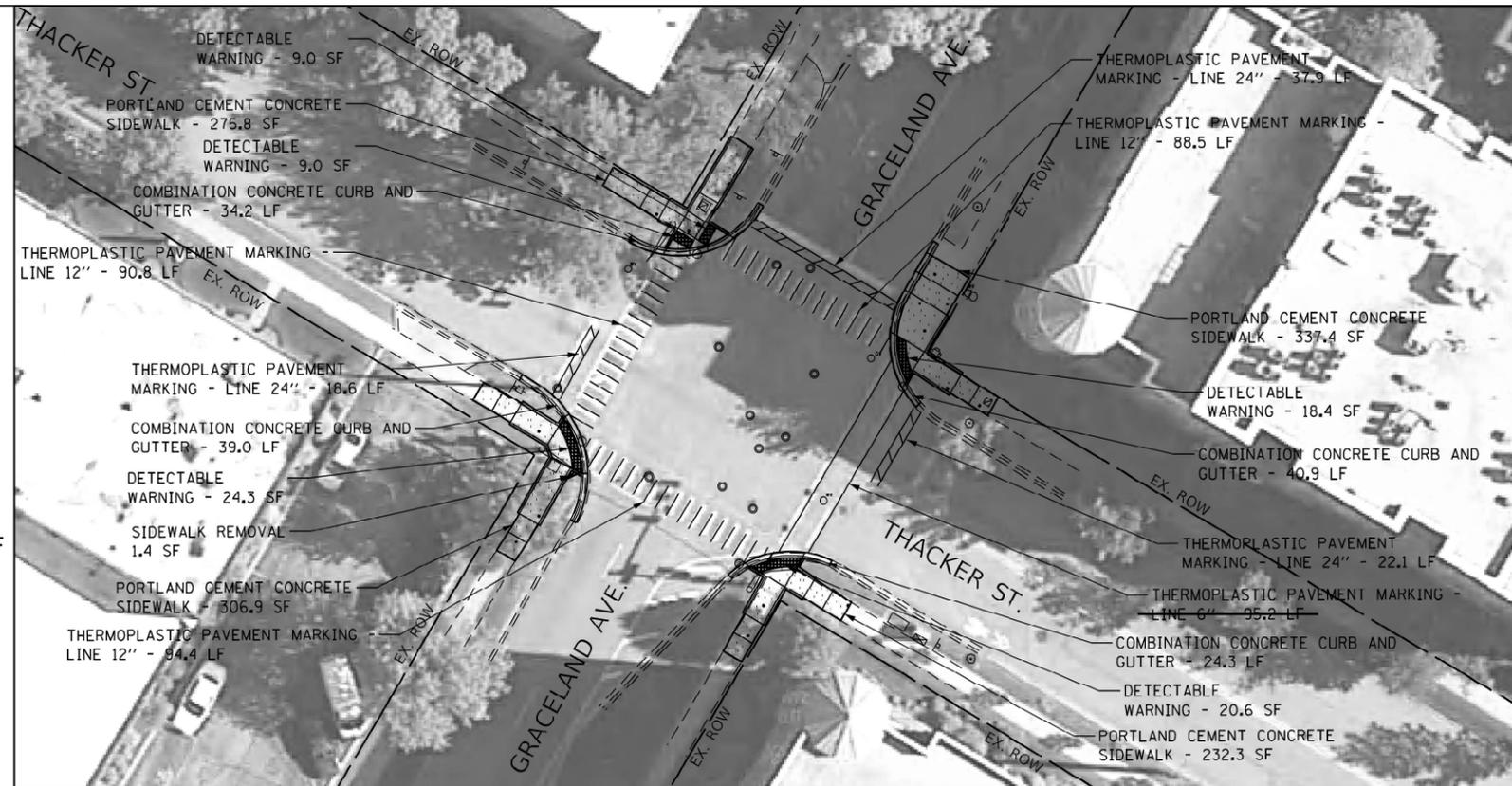
Northwest Corner:
Improve according to the details on the following sheets.

Northeast Corner:
Improve according to the details on the following sheets.

Southwest Corner:
Improve according to the details on the following sheets.

Southeast Corner:
Improve according to the details on the following sheets.

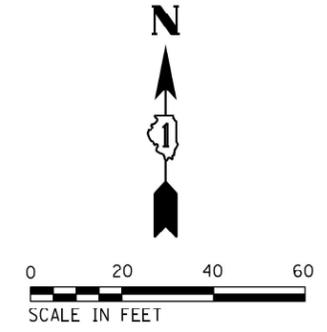
All Crosswalks (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 366.0 LF



PROPOSED

LEGEND

	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



MODEL: Graceland and Thacker (Sheet)
FILE NAME: c:\p\work\awid\intcholas.babu\illinois.gov\1017435\1017435-22-sh-phase-one-details.dgn

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

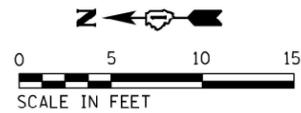
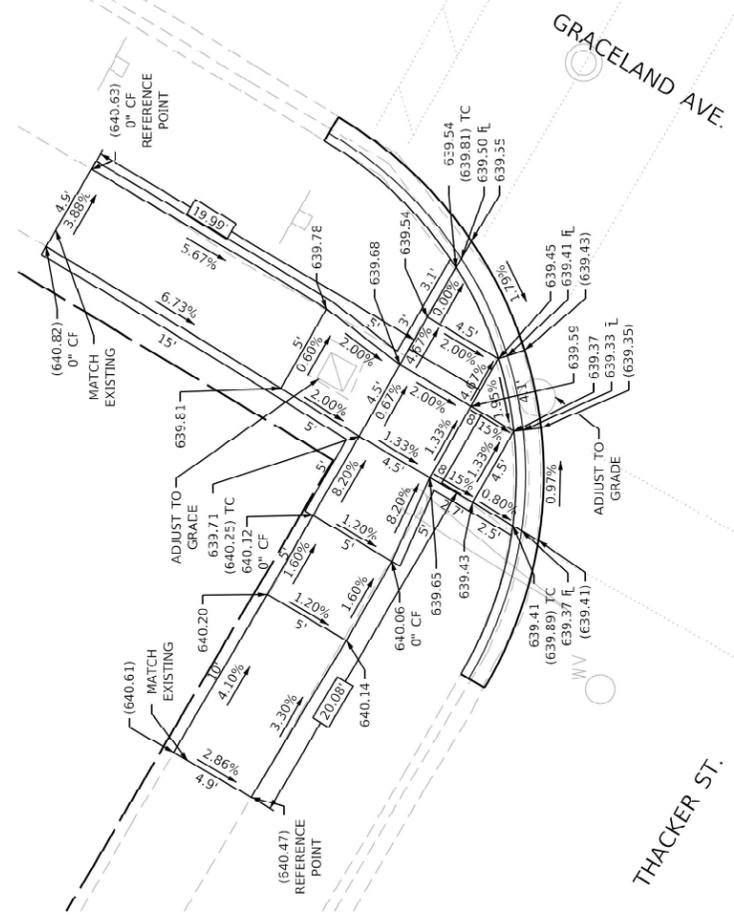
**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	64
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

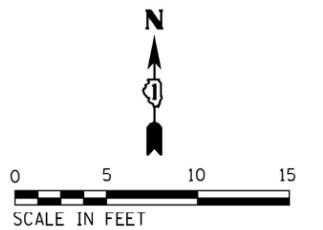
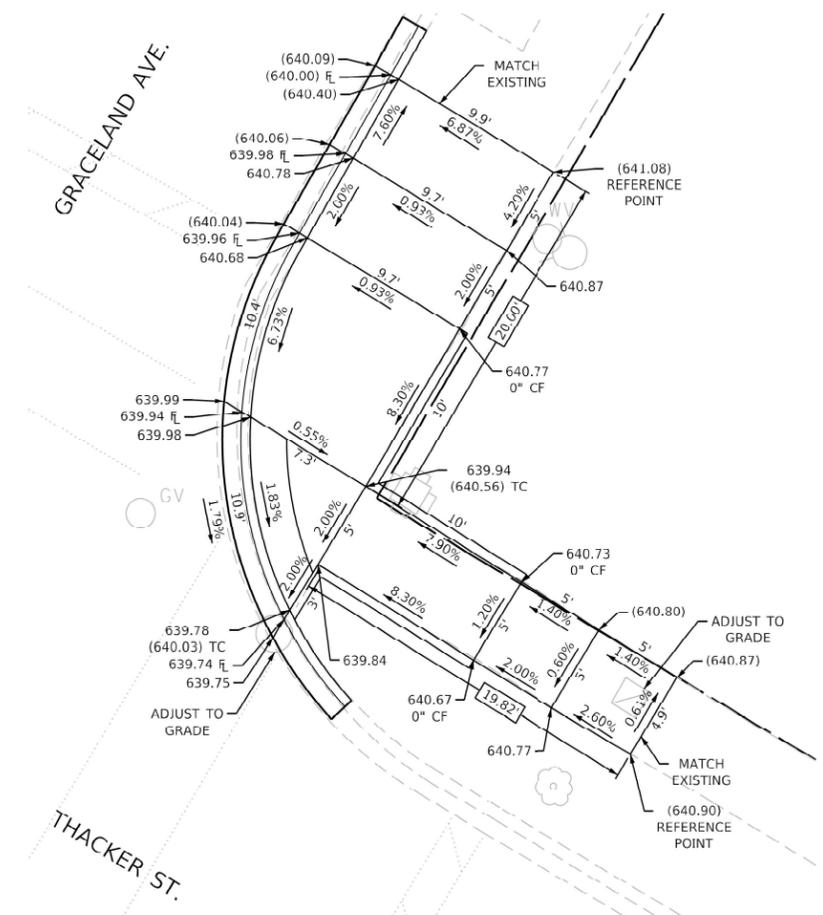
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP f FLOW LINE
 X.XX' REF. DIM.



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP f FLOW LINE
 X.XX' REF. DIM.



MODEL: Graceland and Thacker - 1 [Sheet]
 FILE NAME: c:\p\work\dwg\in\chbas.babul\illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

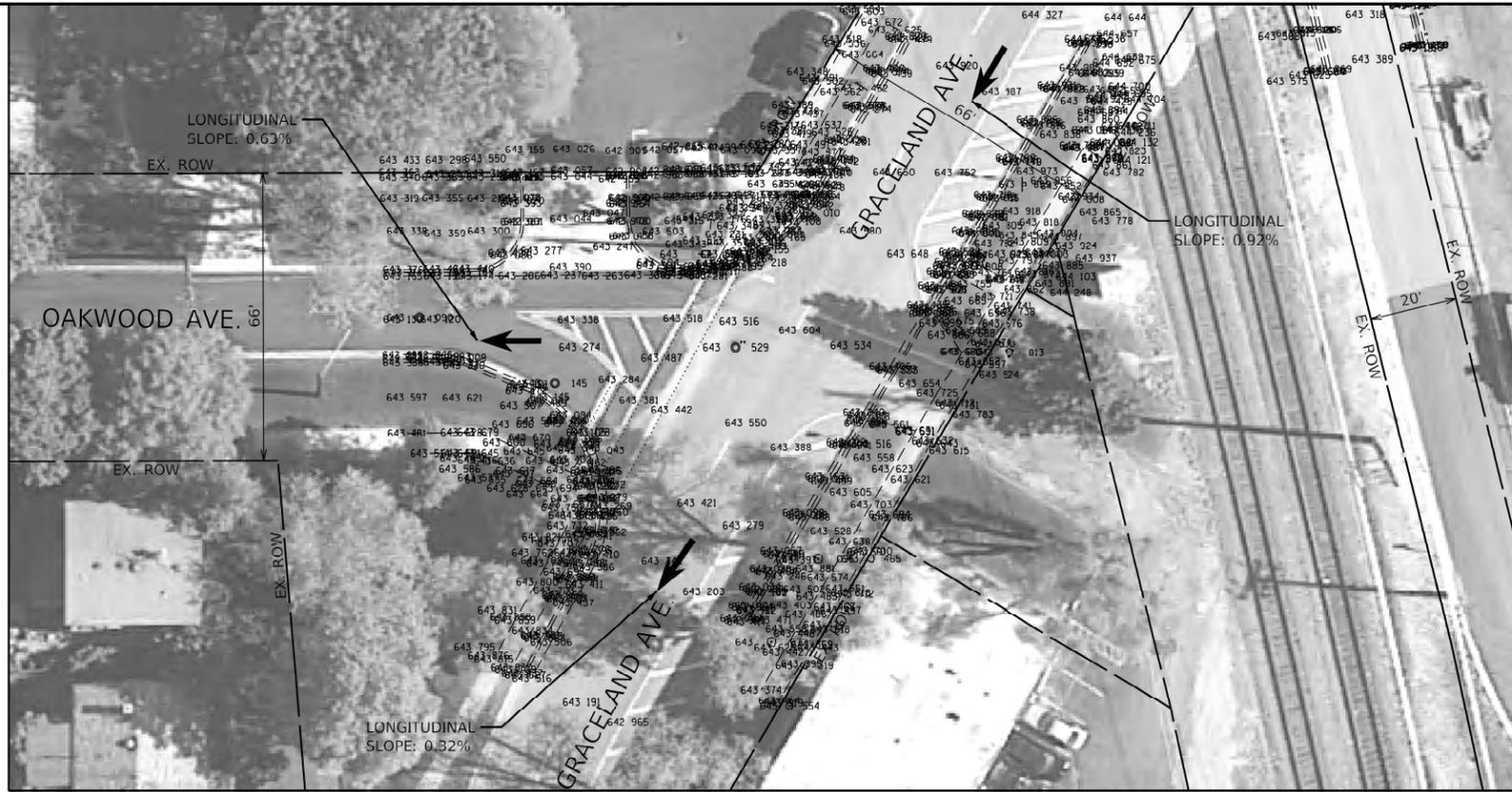
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	65
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



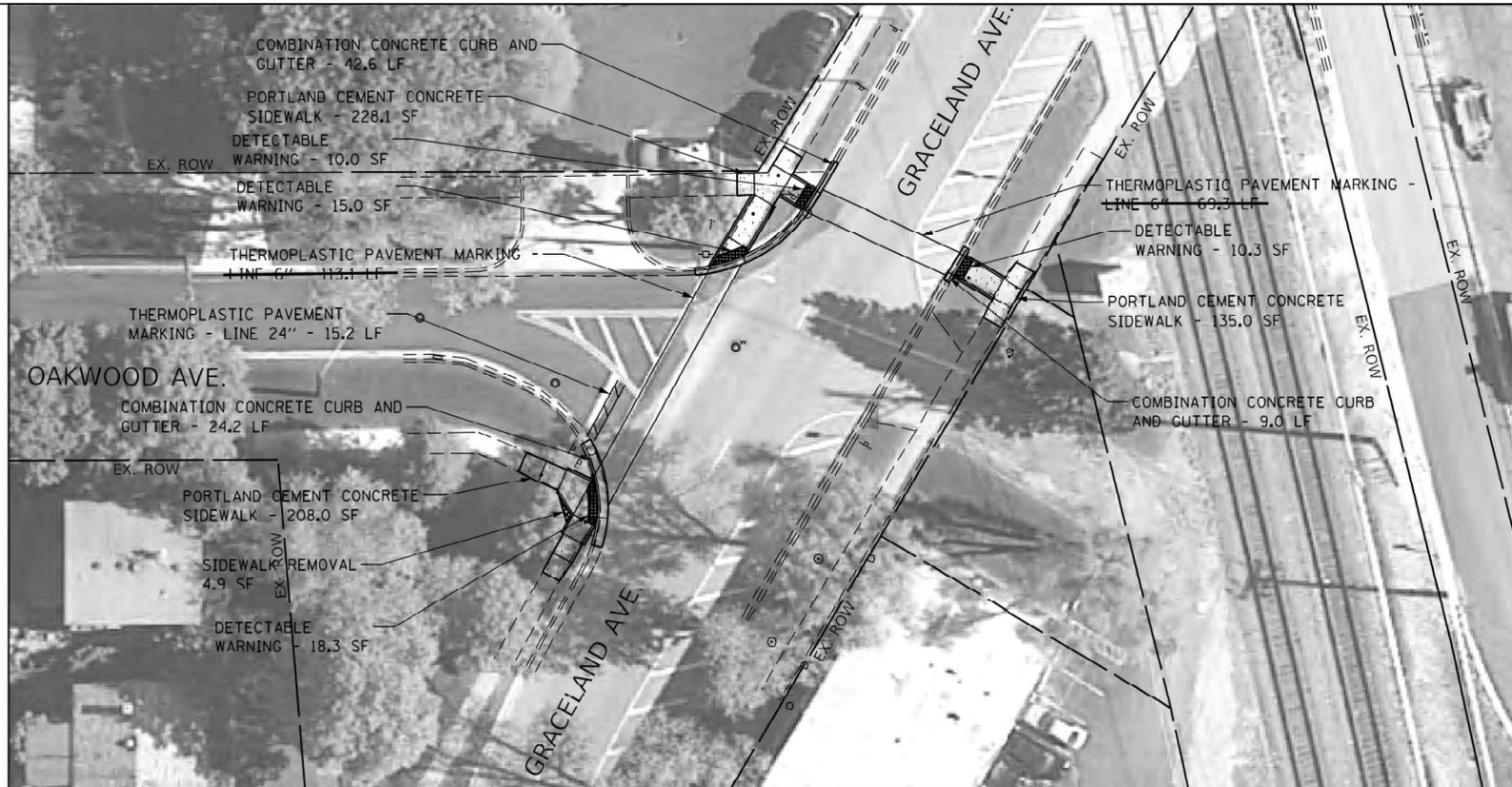
SOUTHWEST CORNER



EXISTING



NORTHEAST SIDE



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



Northwest Corner:
Improve according to the details on the following sheets.

Northeast Corner:
Improve according to the details on the following sheets.

Southwest Corner:
Improve according to the details on the following sheets.

All Crosswalks (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 180.0 LF

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

MODEL - Graceland and Oakwood (Sheet)
FILE NAME - c:\p\work\awid\in\cholas.babul\illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

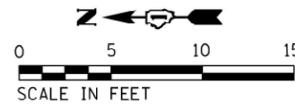
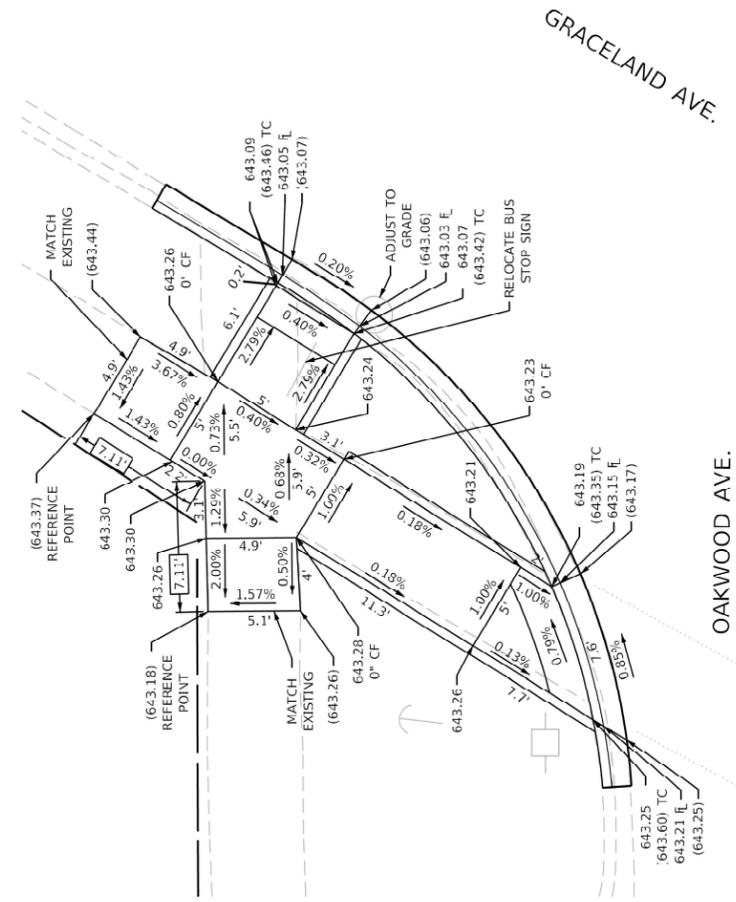
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP) VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	67
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

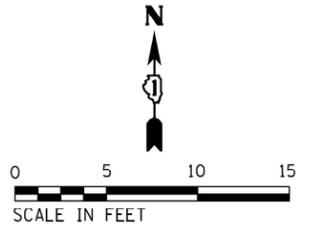
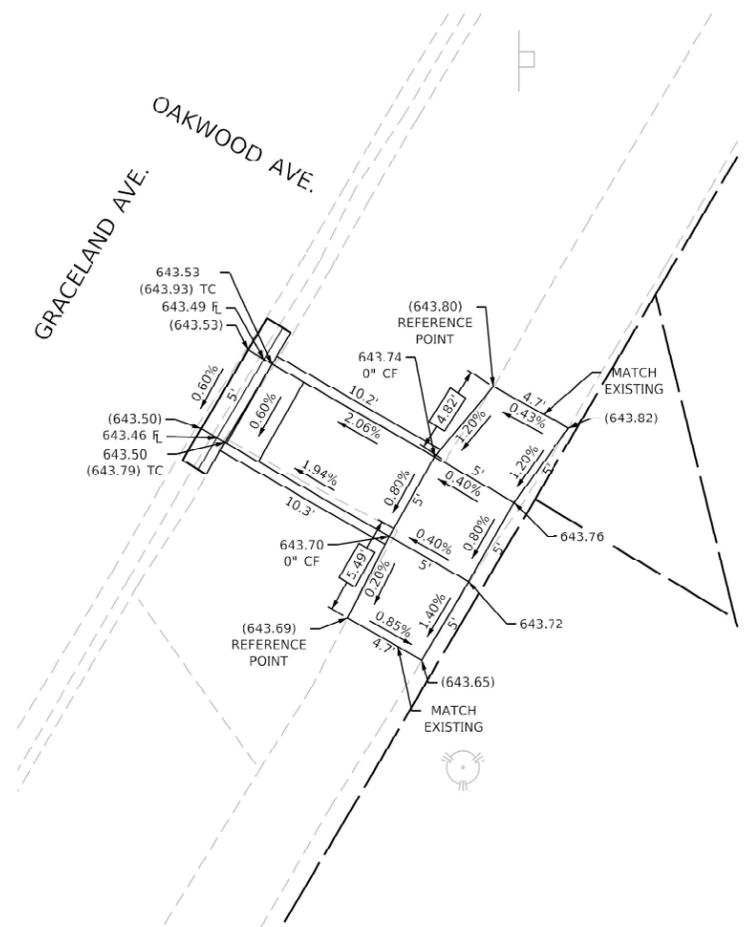
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP FL FLOW LINE
 X.XX' REF. DIM.



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP FL FLOW LINE
 X.XX' REF. DIM.



MODEL: Graceland and Oakwood - 1 (Sheet)
 FILE NAME: c:\p\work\wisdom\nicholas.babul\illinois.gov\1017435\1017435-1\1017435-1-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

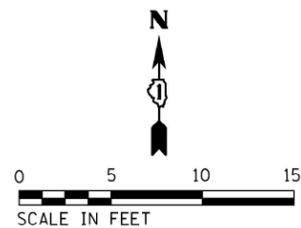
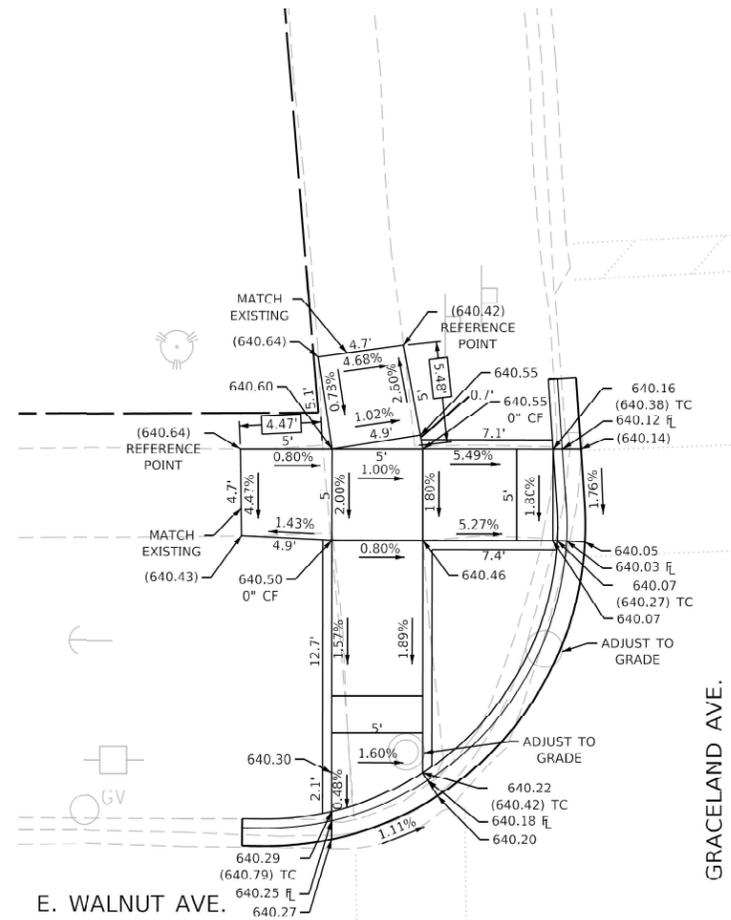
**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	68
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

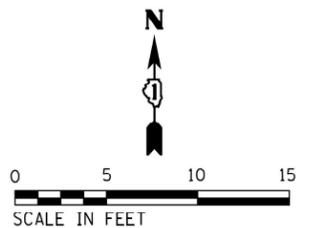
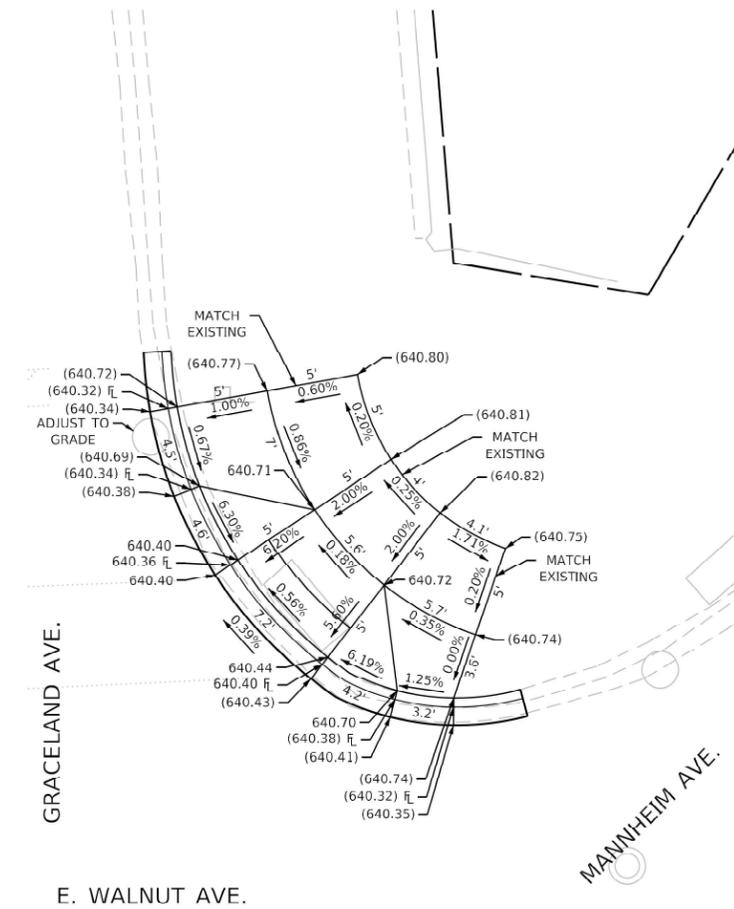
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



MODEL: Graceland and Walnut - 1 (Sheet)
 FILE NAME: c:\p\work\w\w\w\nicholas.babu@illinois.gov\1017435\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babu	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

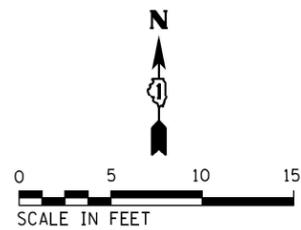
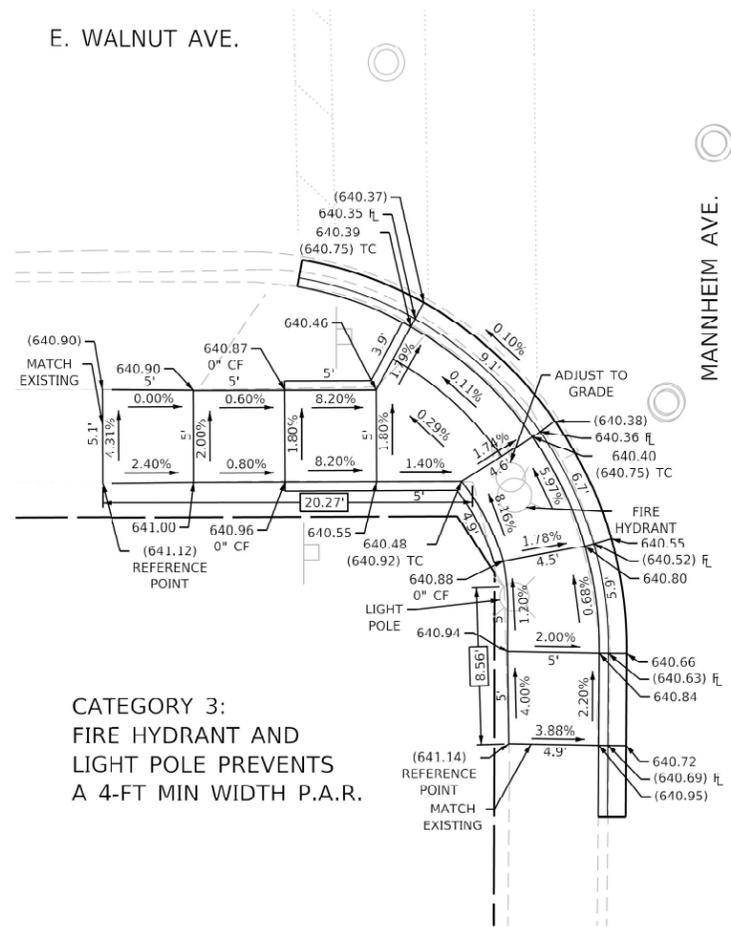
**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	71
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

LEGEND

- (XXX.XX') EXISTING
- XXX.XX' PROPOSED
- * MEP
- X.XX' REF. DIM.
- TC TOP OF CURB
- CF CURB FACE
- FL FLOW LINE



MODEL: Greendale and Walnut - 2 (Sheet)
FILE NAME: c:\p\work\greendale\nicholas.babu\illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babu	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

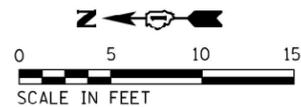
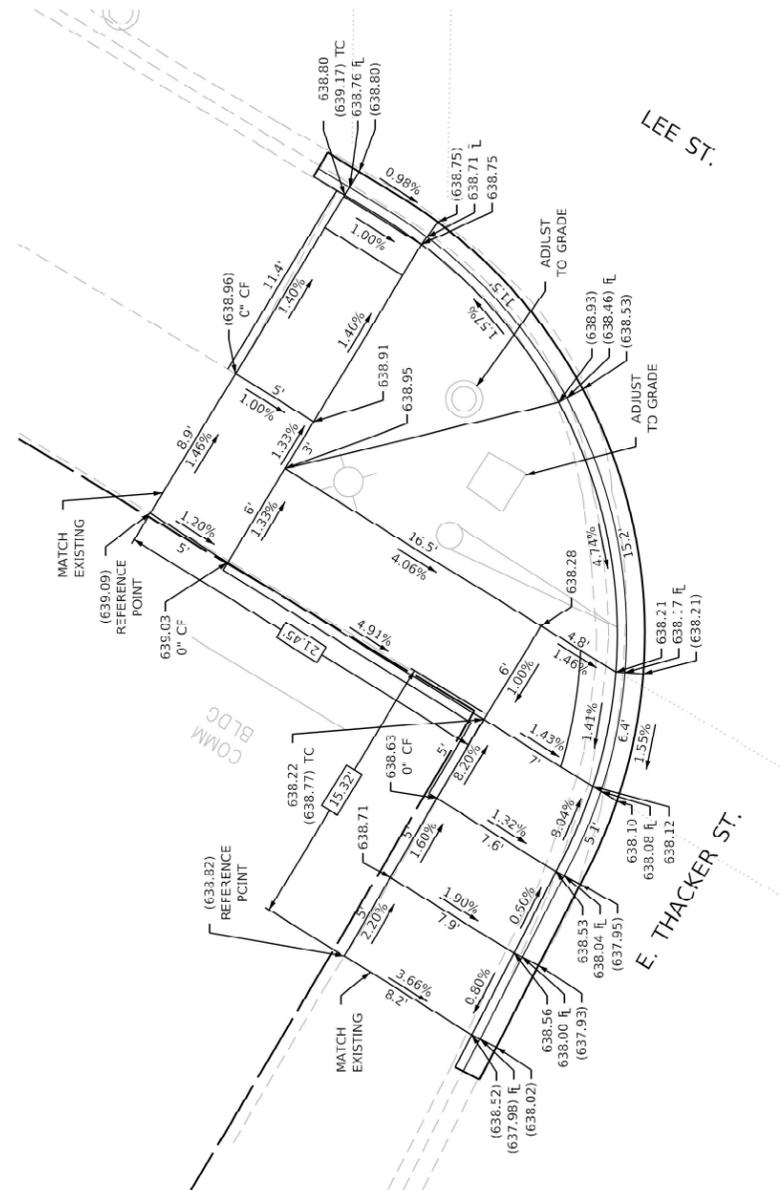
**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	72
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

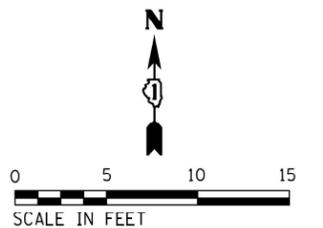
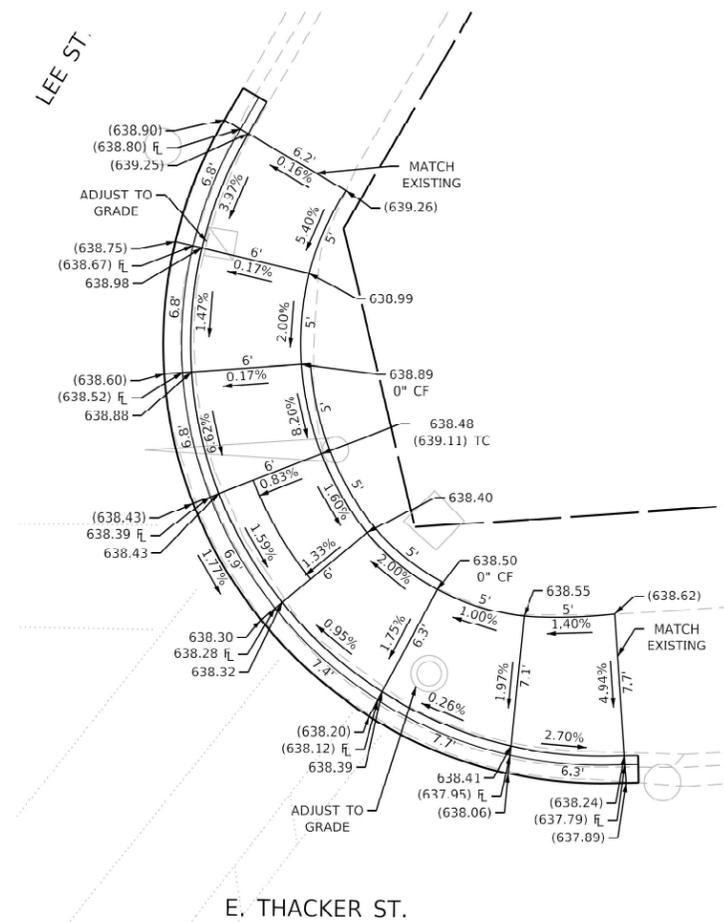
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.
 F FLOW LINE



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.
 F FLOW LINE



MODEL: Lee and Thacker - 1 (Sheet)
 FILE NAME: c:\p\work\wv\ad\in\cholas.babu@illinois.gov\1017435\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

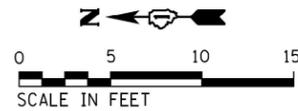
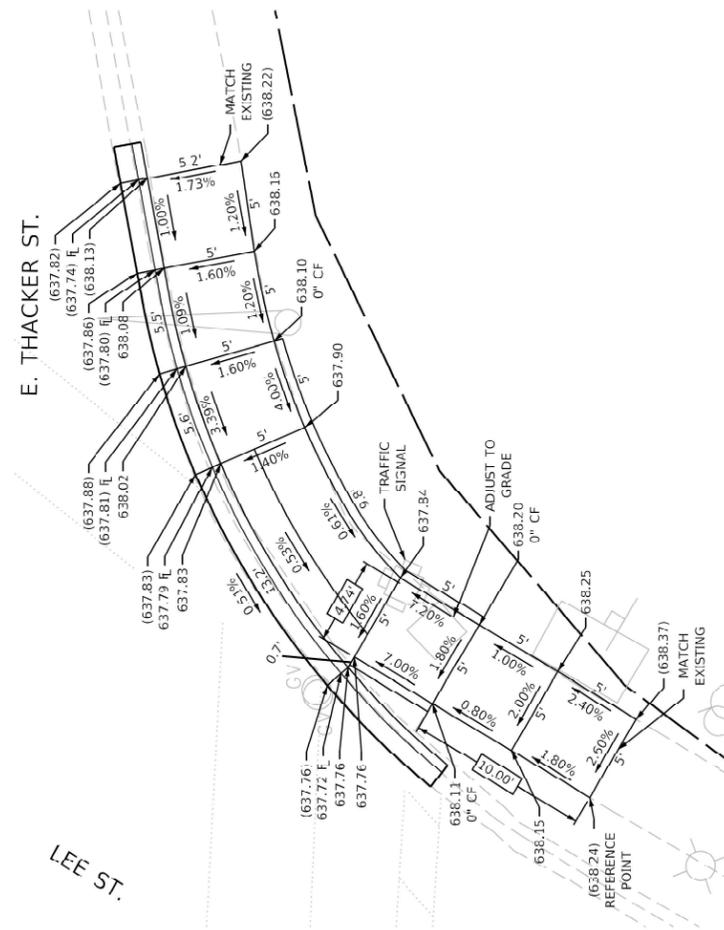
**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	74
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

LEGEND

- (XXX.XX') EXISTING TC TOP OF CURB
- XXX.XX' PROPOSED CF CURB FACE
- * MEP FL FLOW LINE
- ☐X.XX' REF. DIM.



MODEL: Lee and Thacker - 2 (Sheet)
FILE NAME: c:\p\work\wv\ad\hitcholas.babul\illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

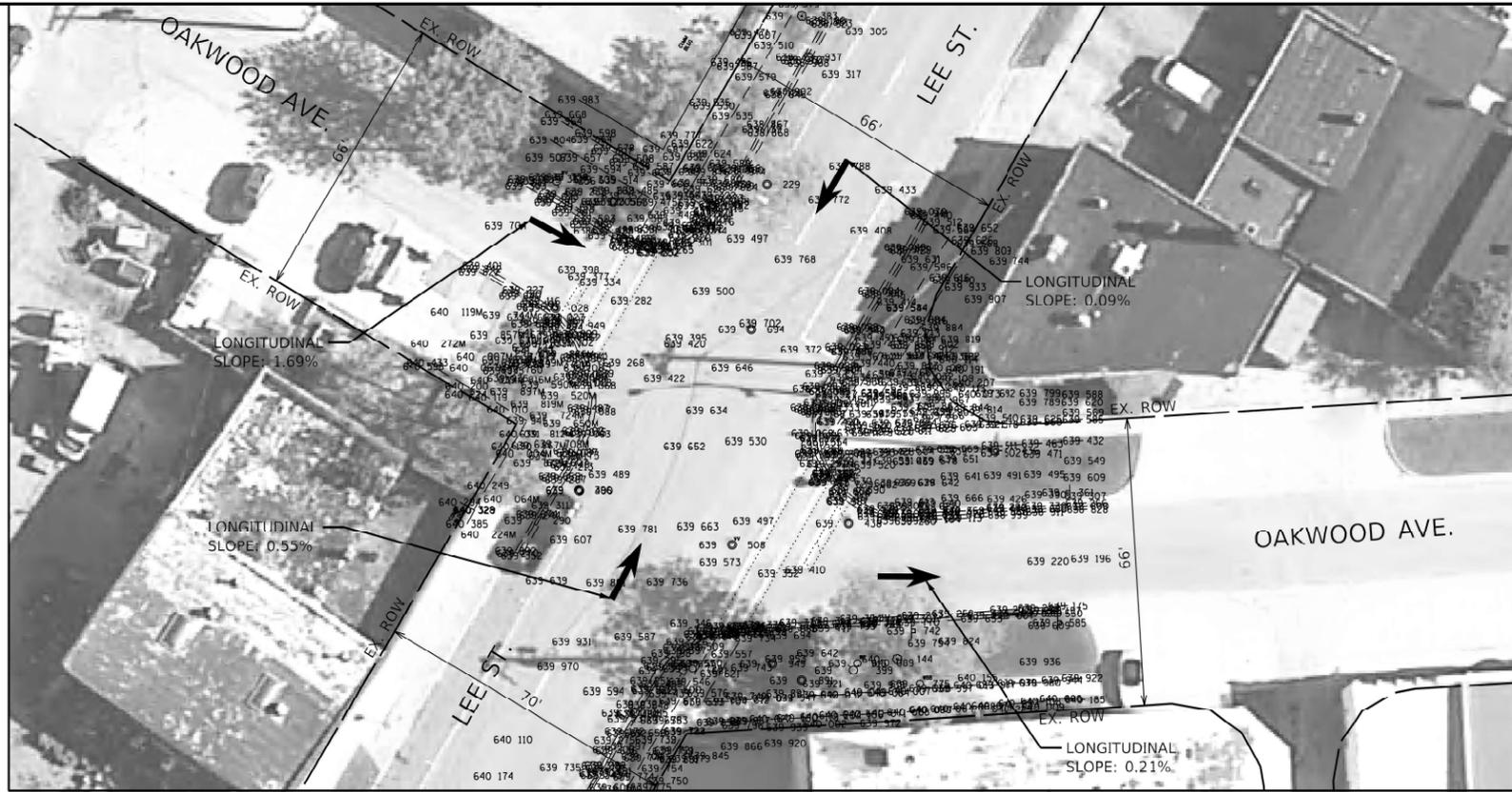
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	75
CONTRACT NO. 62R00				
		ILLINOIS	FED. AID PROJECT	



NORTHWEST CORNER



SOUTHWEST CORNER



EXISTING



NORTHEAST CORNER



SOUTHEAST CORNER

Northwest Corner:

Improve according to the details on the following sheets.

Northeast Corner:

Improve according to the details on the following sheets.

Southwest Corner:

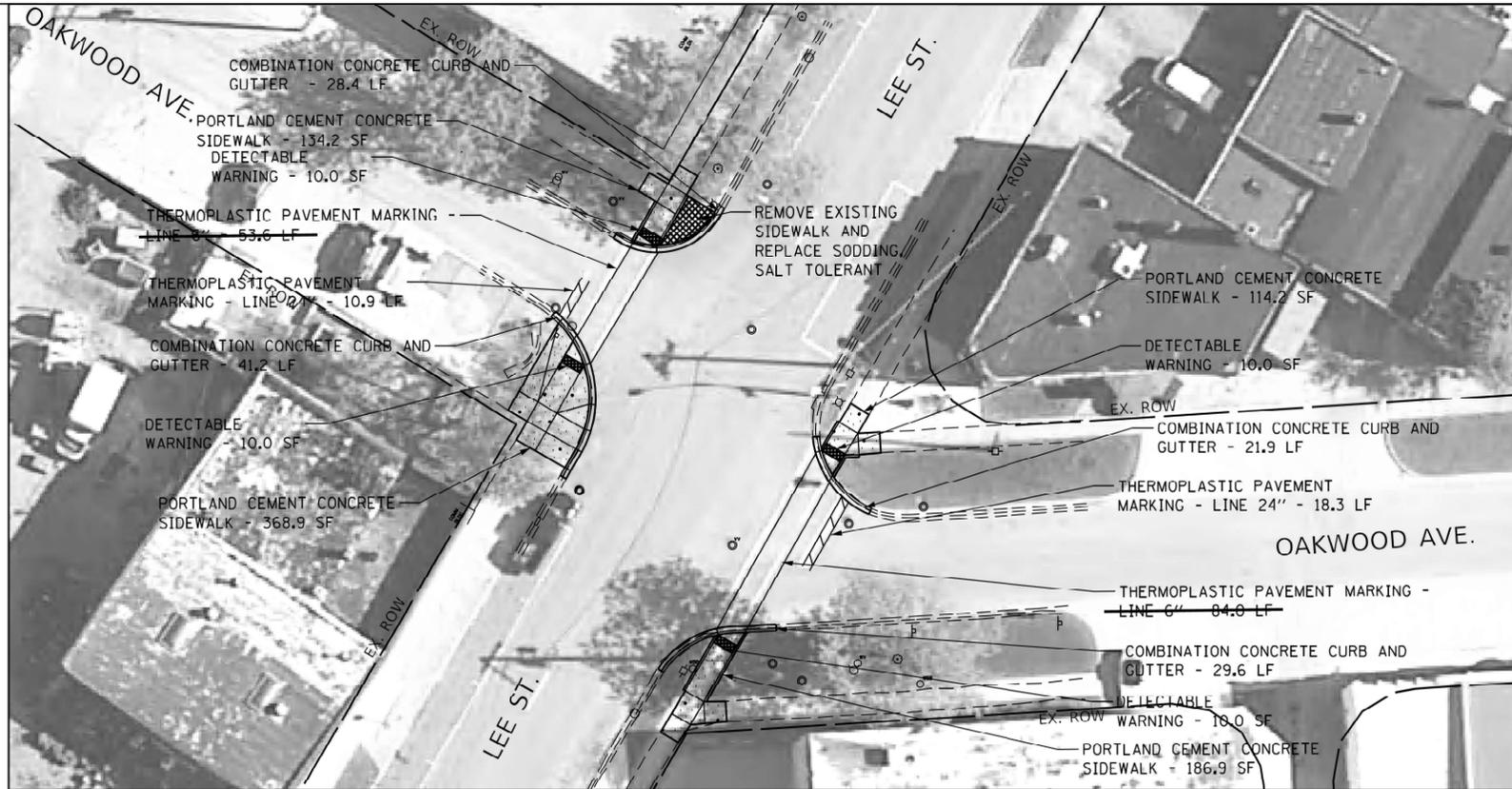
Improve according to the details on the following sheets.

Southeast Corner:

Improve according to the details on the following sheets.

All Crosswalks (School Crossing TC-13):

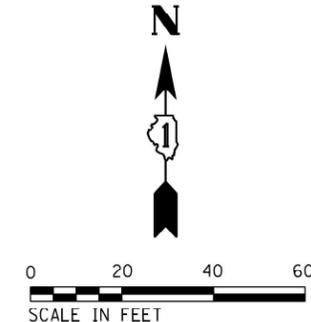
Thermoplastic Pavement Marking - Line 12" - 120.0 LF



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



MODEL: Lee and Oakwood (Sheet)
FILE NAME: c:\p\work\wdr\chicolas.babul\illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

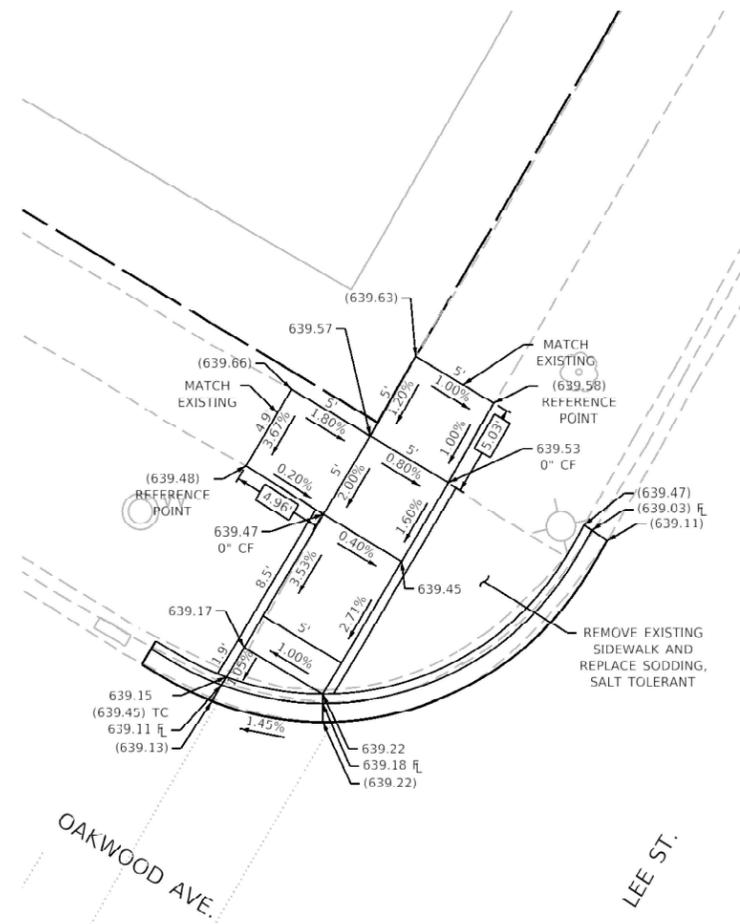
ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	76
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

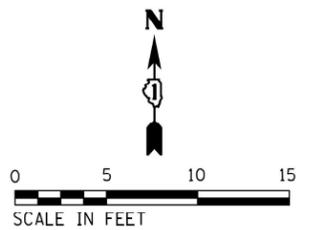
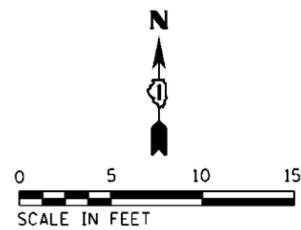
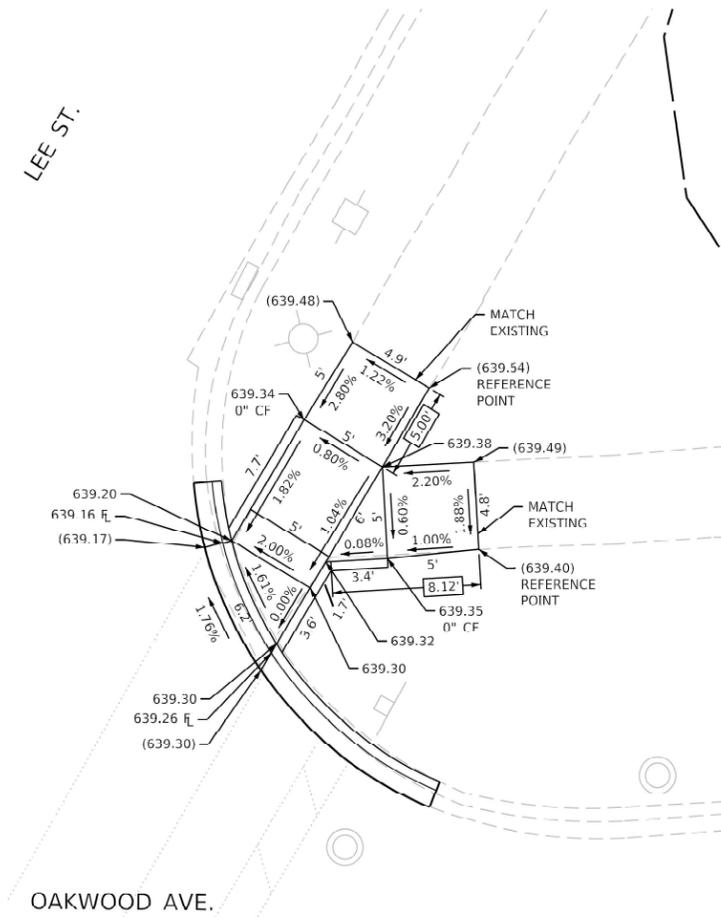
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



MODEL: Lee and Oakwood - 1 (Sheet)
 FILE NAME: c:\p\work\lv\lv\lv\nicholas.babul@illinois.gov\1017435\1017435-22-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

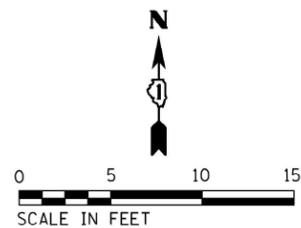
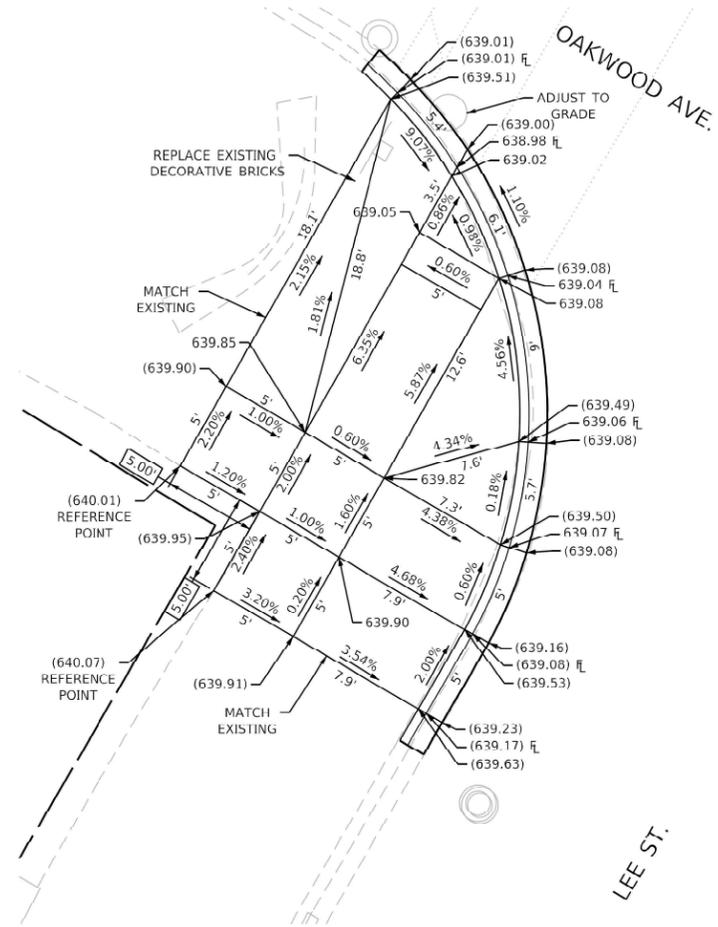
ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	77
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

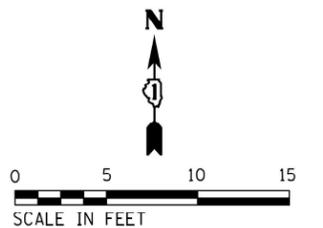
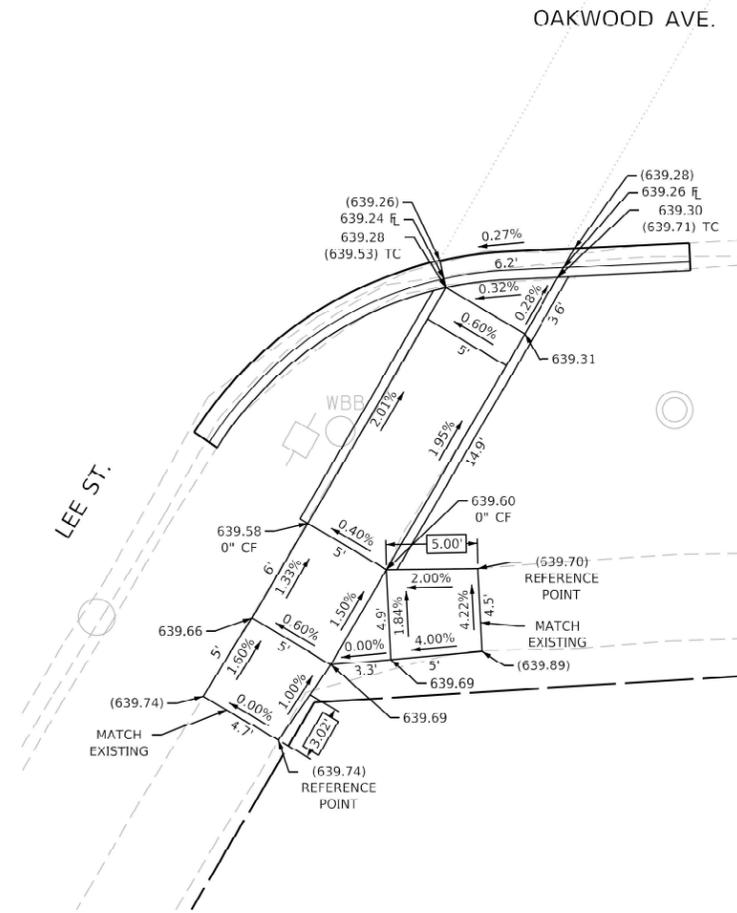
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM. F FLOW LINE



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM. F FLOW LINE



MODEL: Lee and Oakwood - 2 (Sheet)
 FILE NAME: c:\p\work\lv\lv\lv\nicholas.babu@illinois.gov\1017435\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babu	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

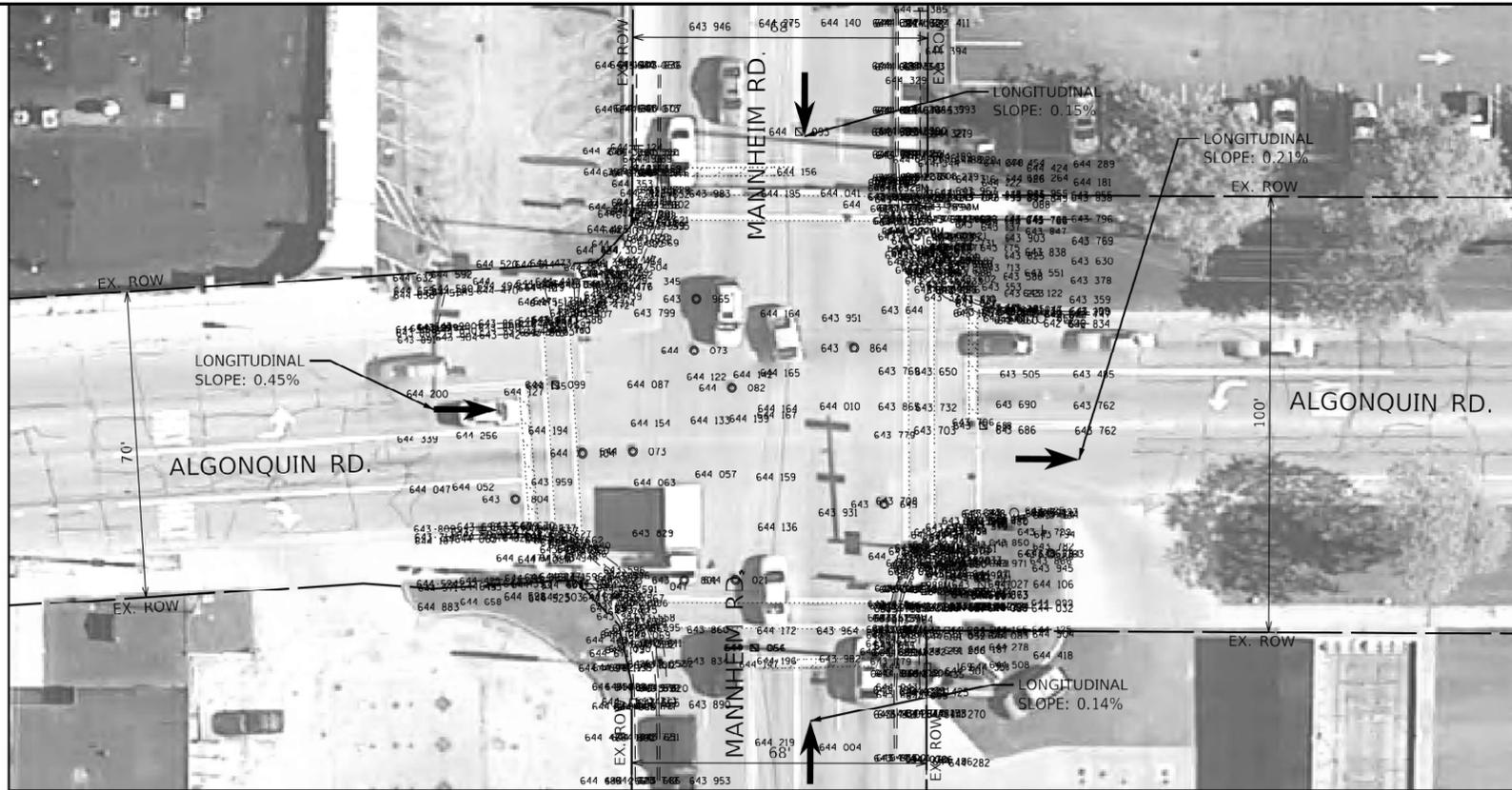
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	78
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



SOUTHWEST CORNER



EXISTING



NORTHEAST CORNER



SOUTHEAST CORNER

Northwest Corner:

Improve according to the details on the following sheets.

Northeast Corner:

Improve according to the details on the following sheets.

Southwest Corner:

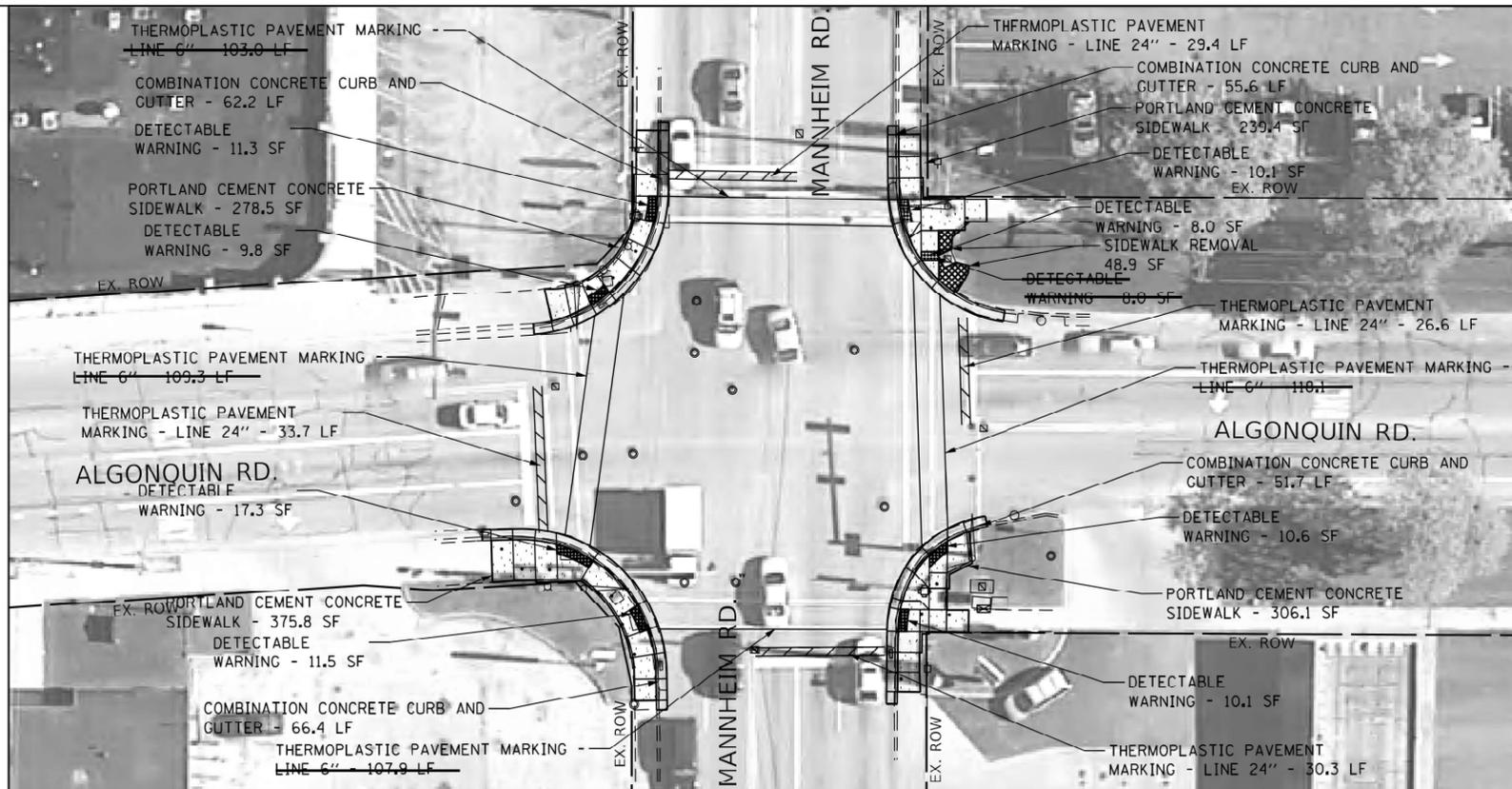
Improve according to the details on the following sheets.

Southeast Corner:

Improve according to the details on the following sheets.

All Crosswalks (School Crossing TC-13):

Thermoplastic Pavement Marking - Line 12" - 426.0 LF



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



MODEL: Mannheim and Algonquin (Sheet)
FILE NAME: c:\p\work\2024\11\17\2024-11-17\2024-11-17\phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

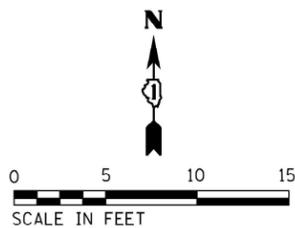
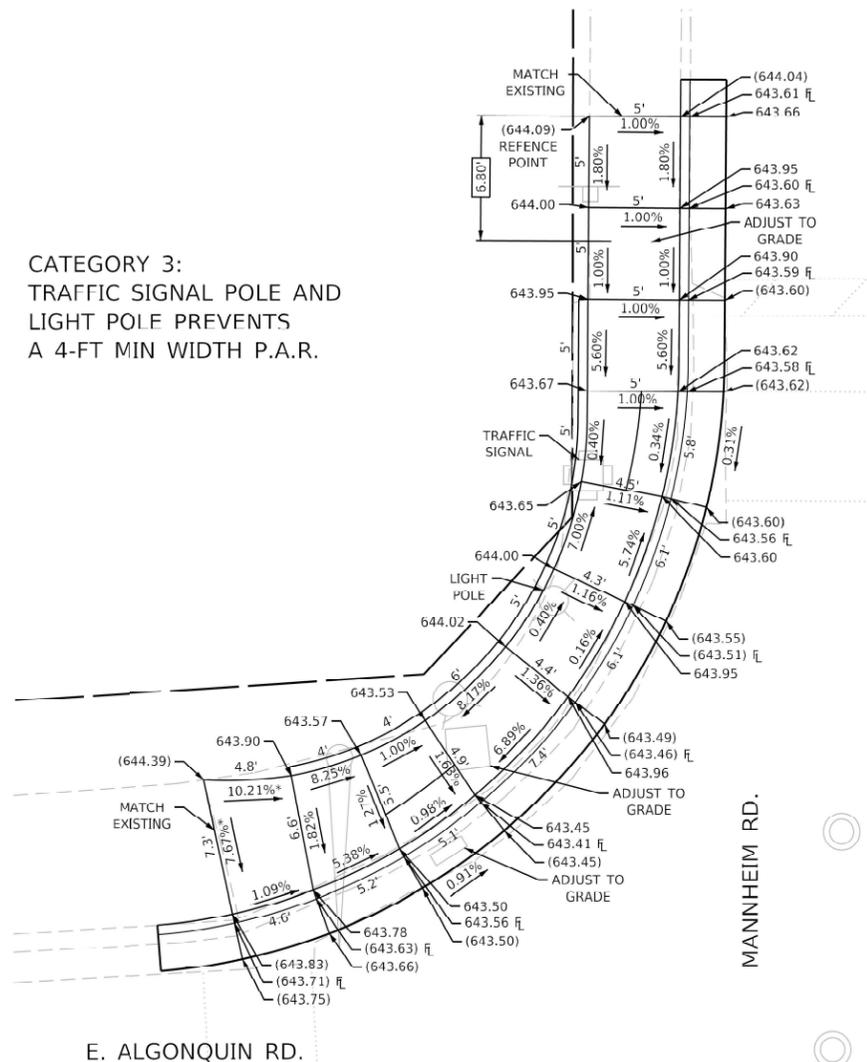
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	79
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

LEGEND

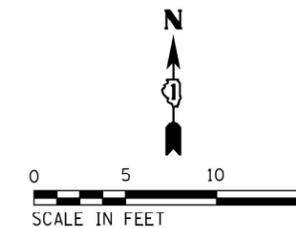
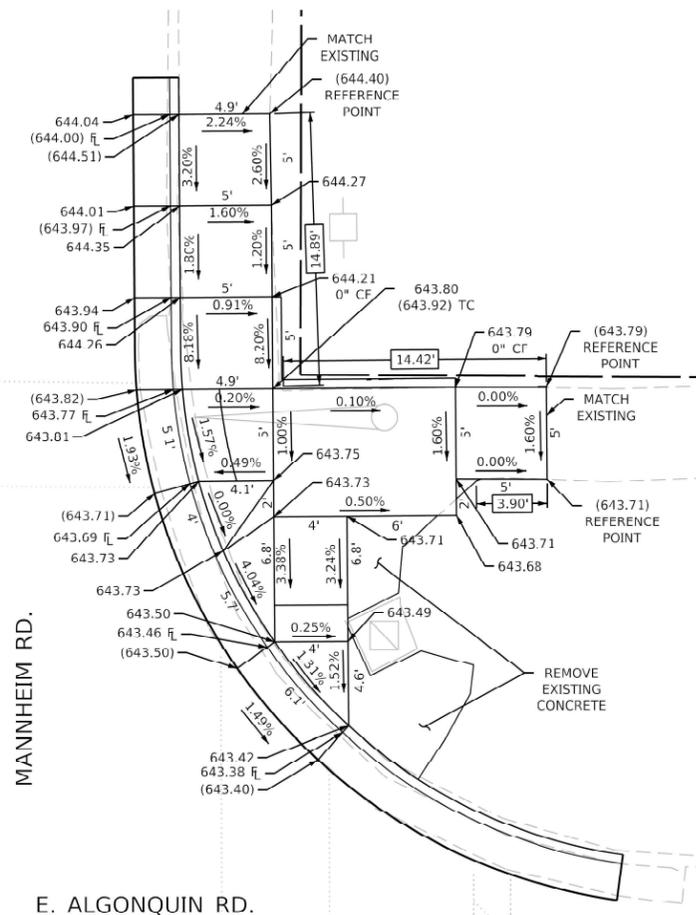
(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.

CATEGORY 3:
 TRAFFIC SIGNAL POLE AND
 LIGHT POLE PREVENTS
 A 4-FT MIN WIDTH P.A.R.



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



MODEL: Mannheim and Algonquin - 1 (Sheet)
 FILE NAME: c:\p\work\wv\2024\24-017435\107822-eh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

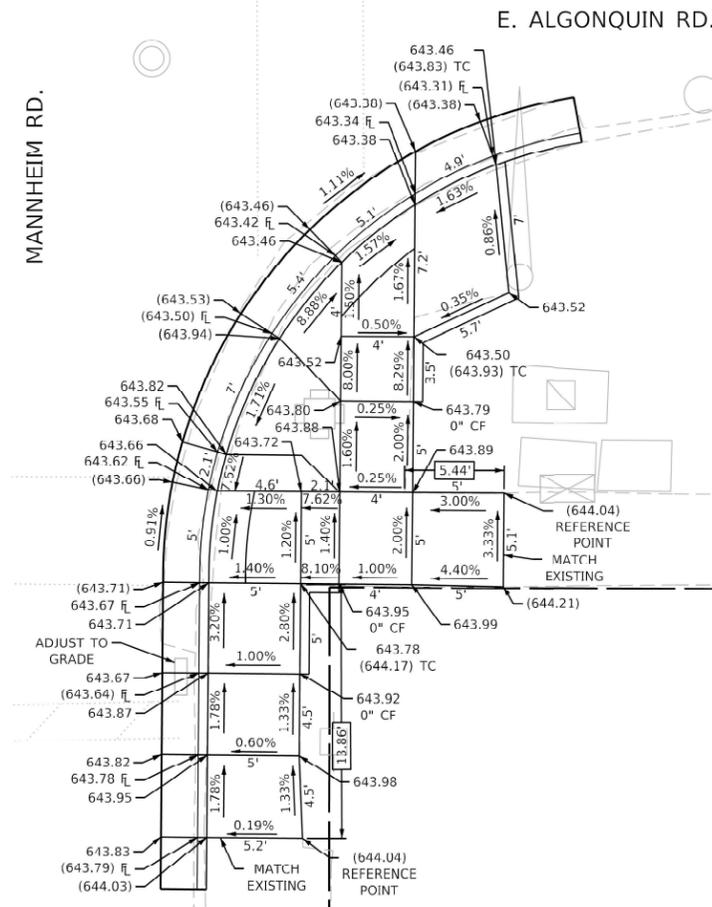
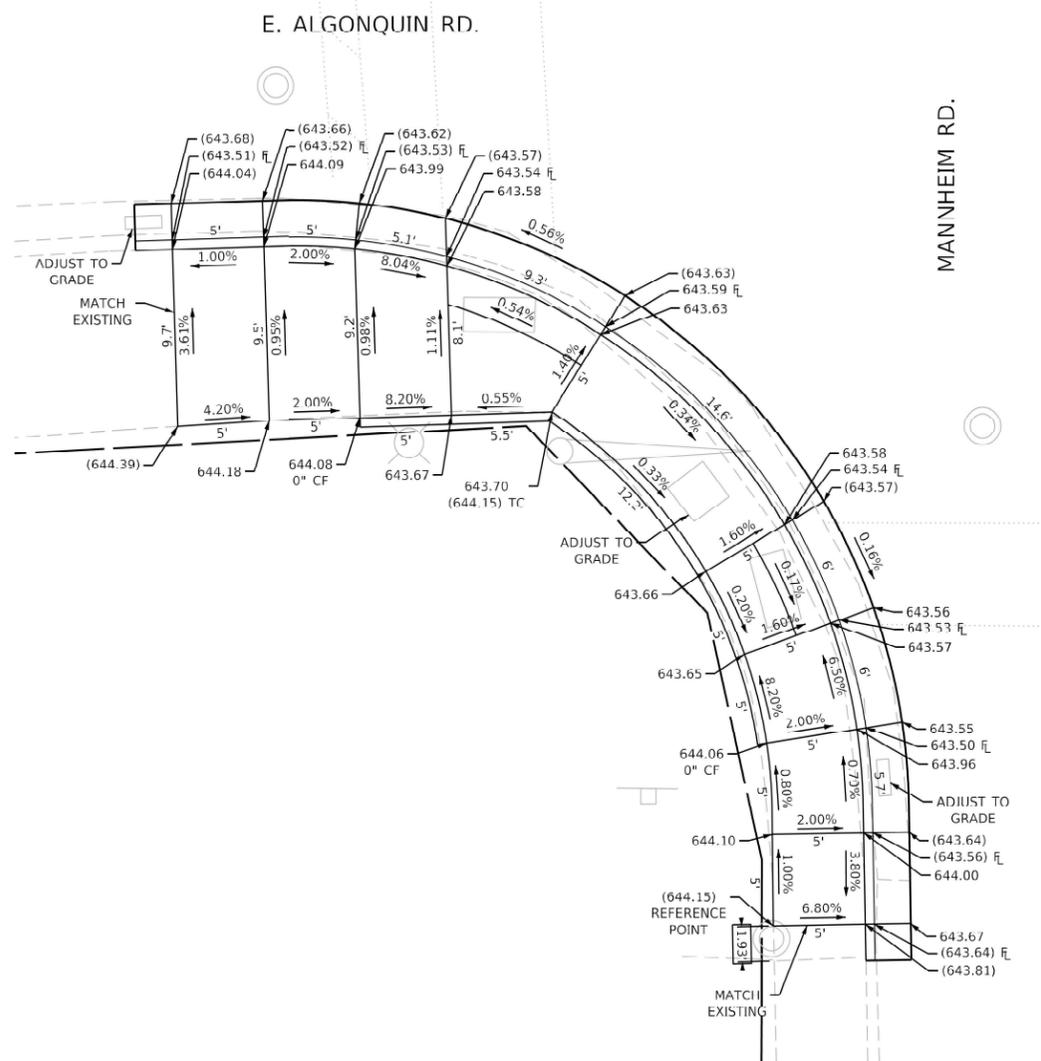
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	80
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.

LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



MODEL: Mannheim and Algonquin - 2 [Sheet]
 FILE NAME: c:\pwwork\wladimirbabul@illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	81
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



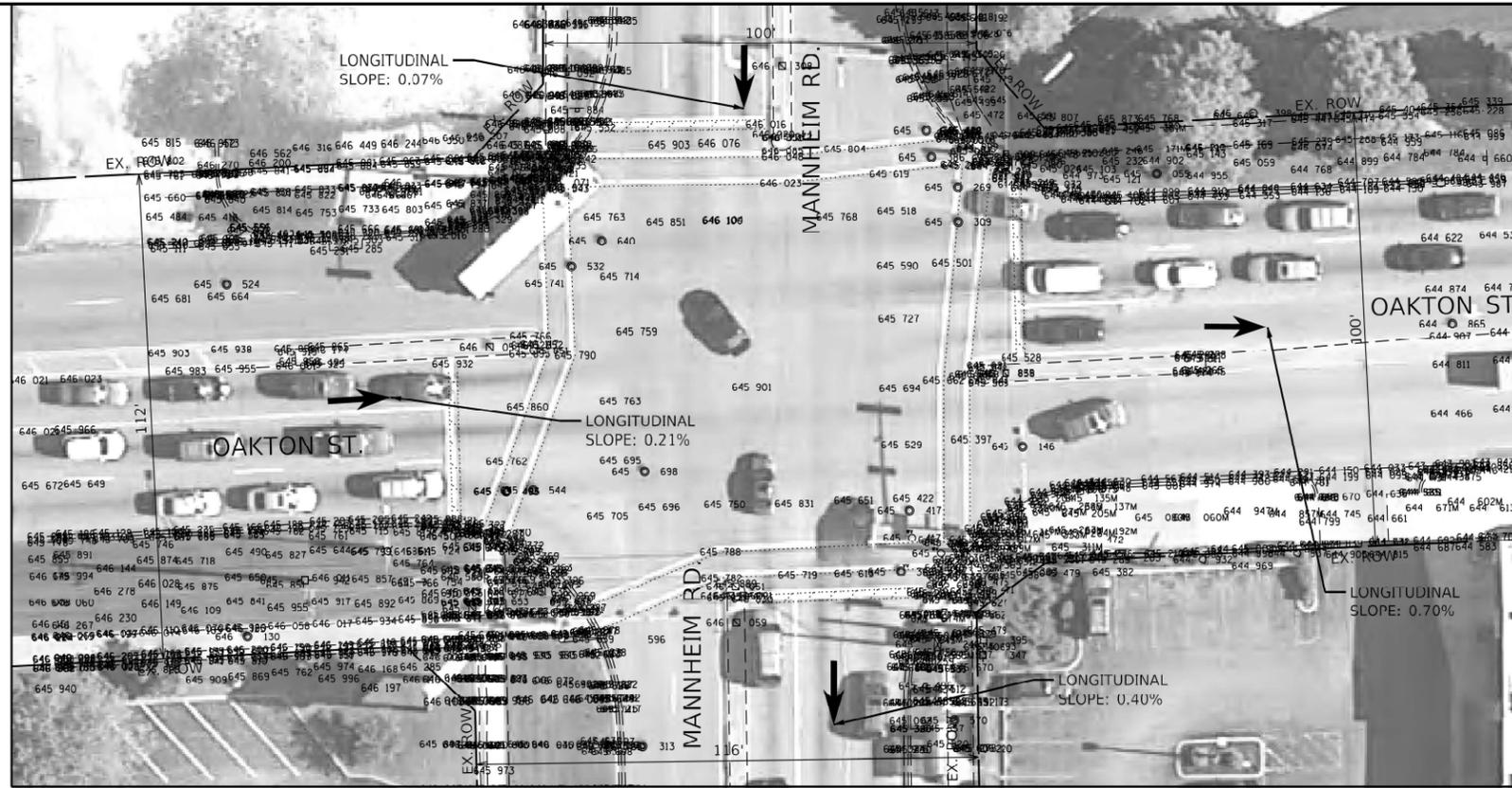
SOUTHWEST CORNER



NORTHEAST CORNER



SOUTHEAST CORNER



EXISTING



PROPOSED

LEGEND

- DETECTABLE WARNING
- SIDEWALK REMOVAL
- NEW PCC SIDEWALK
- REMOVE AND REPLACE NEW PCC SIDEWALK
- COMBINATION CONCRETE CURB AND GUTTER
- EXISTING R.O.W. LINE
- SINGLE POST SIGN
- ABOVE GROUND SPLICE BOX
- CONTROLLER BOX
- FIRE HYDRANT
- GUY POLE
- HANDHOLE
- LIGHT STANDARD
- MANHOLE
- POWER LINE
- TELEPHONE
- TRAFFIC SIGNAL
- VEGETATION OUTLINE
- SINGLE TREE OR BUSH



Northwest Corner:
Improve according to the details on the following sheets.

Northeast Corner:
Improve according to the details on the following sheets.

Southwest Corner:
Improve according to the details on the following sheets.

Southeast Corner:
Improve according to the details on the following sheets.

All Crosswalks (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 696.0 LF

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.

MODEL - Mannheim and Oakton (Sheet)
FILE NAME - c:\p\work\wv\scholas.babul\illinois.gov\1017435\1017435-179-sw-ada-ramps-improvement-main-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

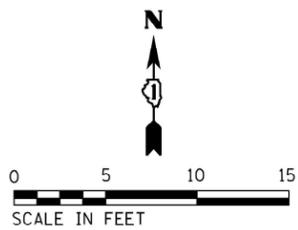
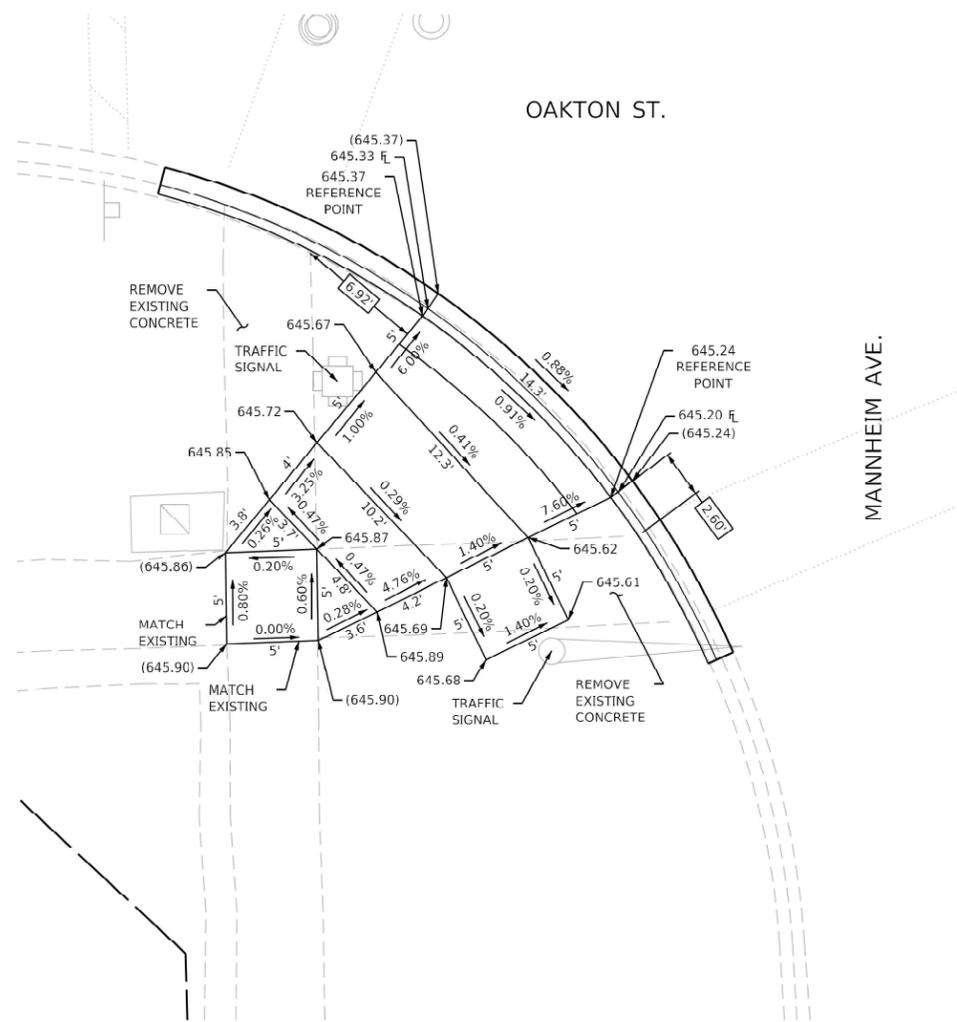
ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	82
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

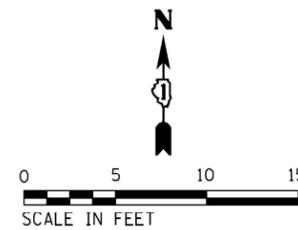
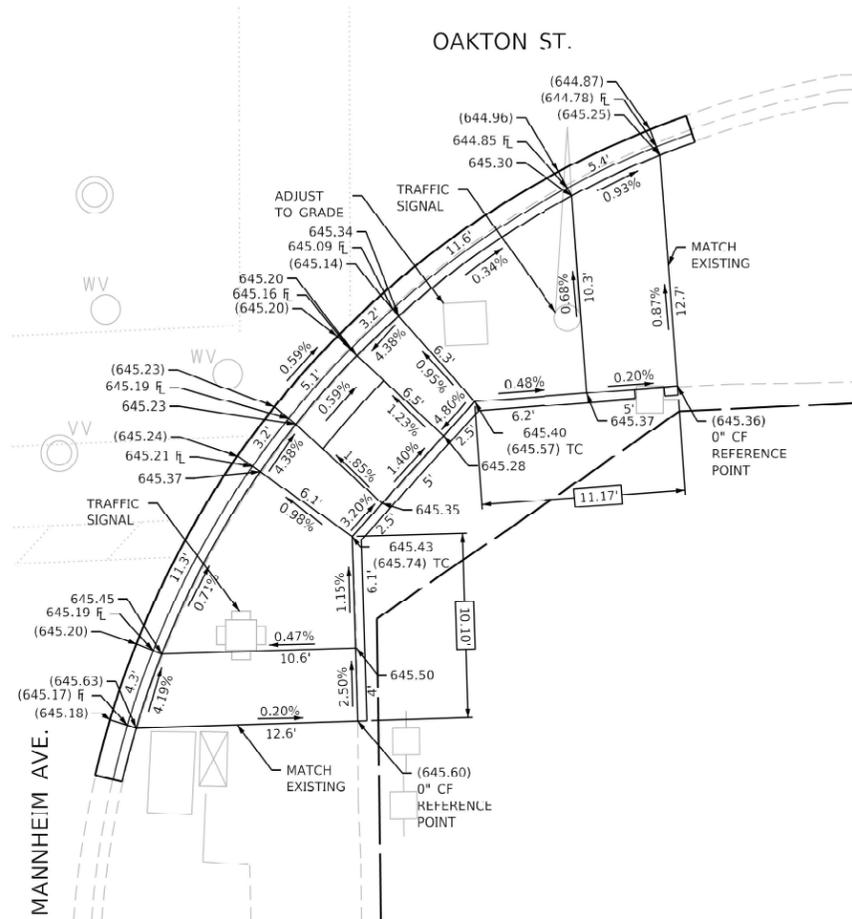
LEGEND

- (XXX.XX') EXISTING TC TOP OF CURB
- XXX.XX' PROPOSED CF CURB FACE
- * MEP
- X.XX' REF. DIM.
- f FLOW LINE



LEGEND

- (XXX.XX') EXISTING TC TOP OF CURB
- XXX.XX' PROPOSED CF CURB FACE
- * MEP
- X.XX' REF. DIM.
- f FLOW LINE



MODEL: Mannheim and Oakton - 2 [Sheet]
 FILE NAME: c:\p\work\wv\micholas.babul\illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

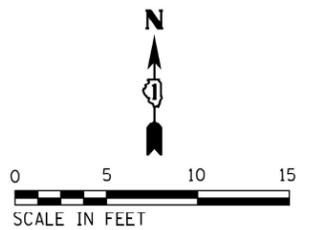
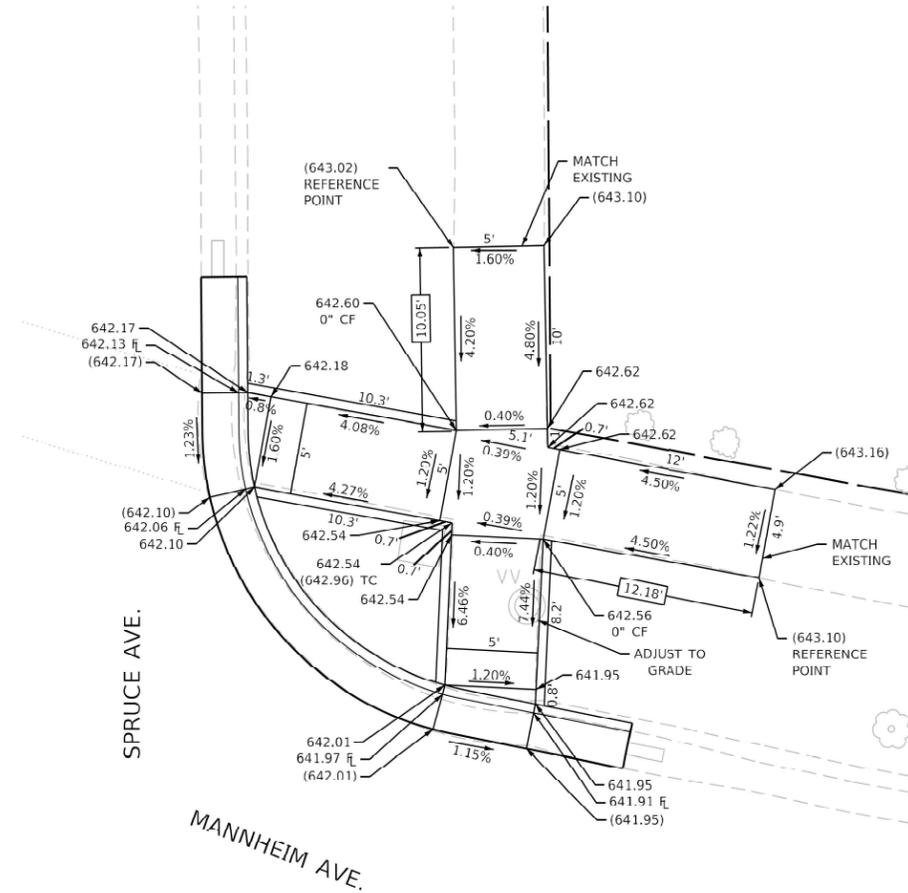
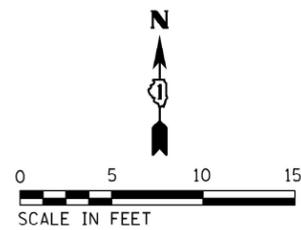
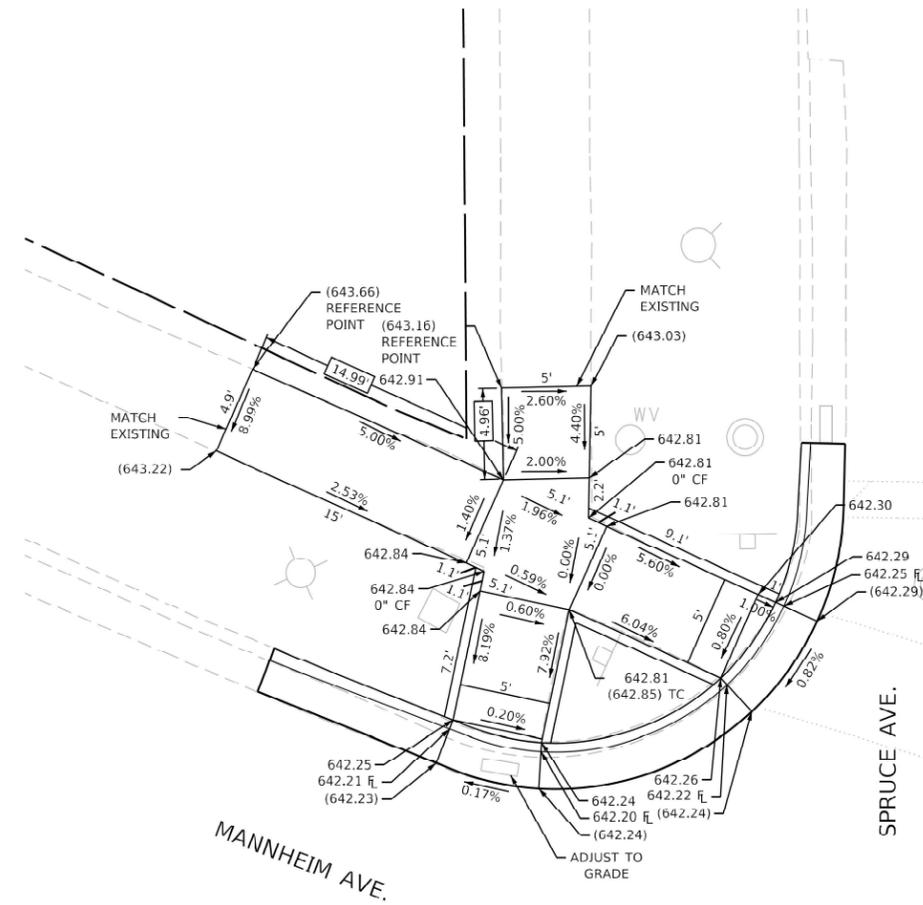
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	84
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.

LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



MODEL: Mannheim and Spruce - 1 (Sheet)
 FILE NAME: c:\p\work\wv\micholas.babu\illinois.gov\1017435\1017435-2-sh-phase-one-details.dgn

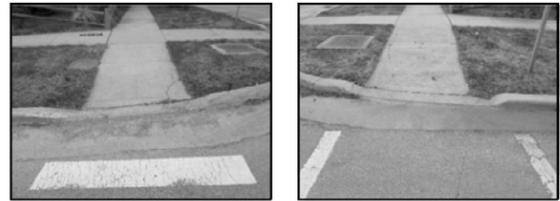
USER NAME = nicholas.babu	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

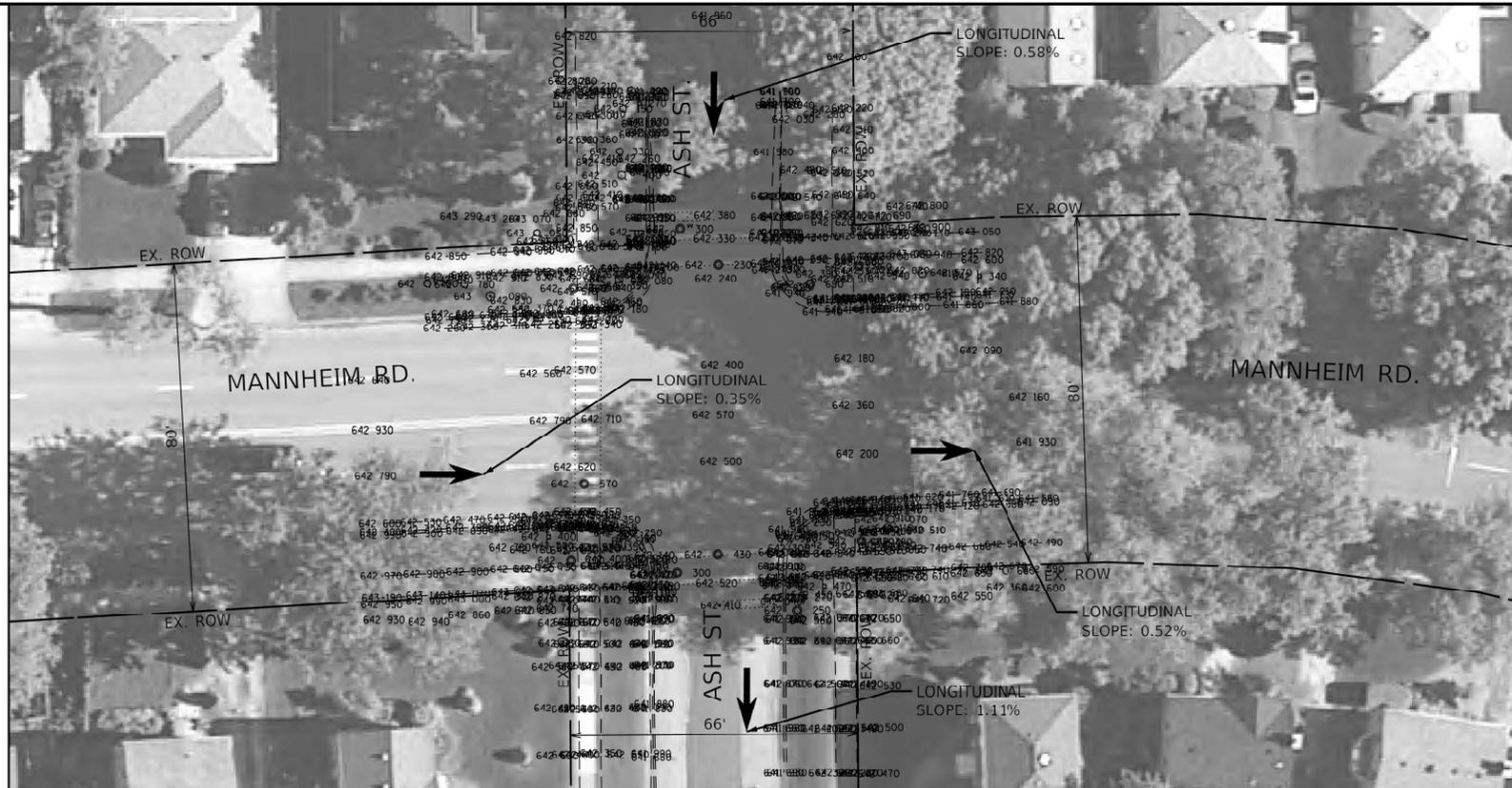
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	86
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



SOUTHWEST CORNER



NORTHEAST CORNER



SOUTHEAST CORNER

EXISTING

PROPOSED

Northwest Corner:
Improve according to the details on the following sheets.

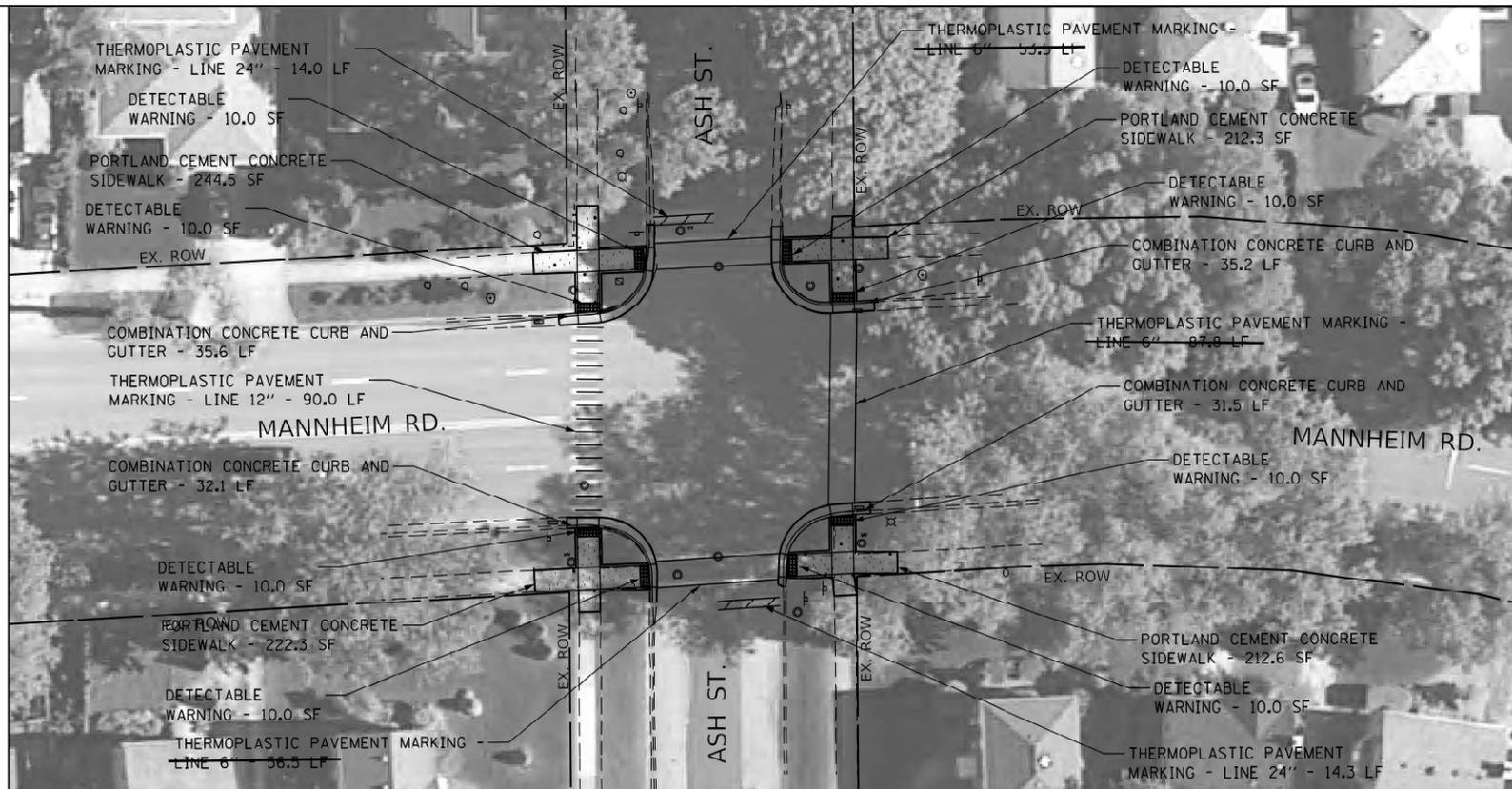
Northeast Corner:
Improve according to the details on the following sheets.

Southwest Corner:
Improve according to the details on the following sheets.

Southeast Corner:
Improve according to the details on the following sheets.

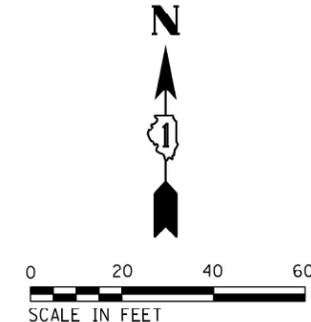
All Crosswalks (School Crossing TC-13):
Thermoplastic Pavement Marking - Line 12" - 288.0 LF

NOTE:
PROPOSED CURB OR CURB AND GUTTER AROUND AN INTERSECTION IS TO BE INSTALLED ACCORDING TO THE EXISTING CURB RADIUS UNLESS OTHERWISE NOTED.



LEGEND

	DETECTABLE WARNING
	SIDEWALK REMOVAL
	NEW PCC SIDEWALK
	REMOVE AND REPLACE NEW PCC SIDEWALK
	COMBINATION CONCRETE CURB AND GUTTER
	EXISTING R.O.W. LINE
	SINGLE POST SIGN
	ABOVE GROUND SPLICE BOX
	CONTROLLER BOX
	FIRE HYDRANT
	GUY POLE
	HANDHOLE
	LIGHT STANDARD
	MANHOLE
	POWER LINE
	TELEPHONE
	TRAFFIC SIGNAL
	VEGETATION OUTLINE
	SINGLE TREE OR BUSH



MODEL: Mannheim and Ash (Sheet)
FILE NAME: c:\p\work\aw\107822-sh-phase-one-details.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

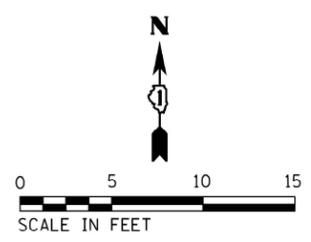
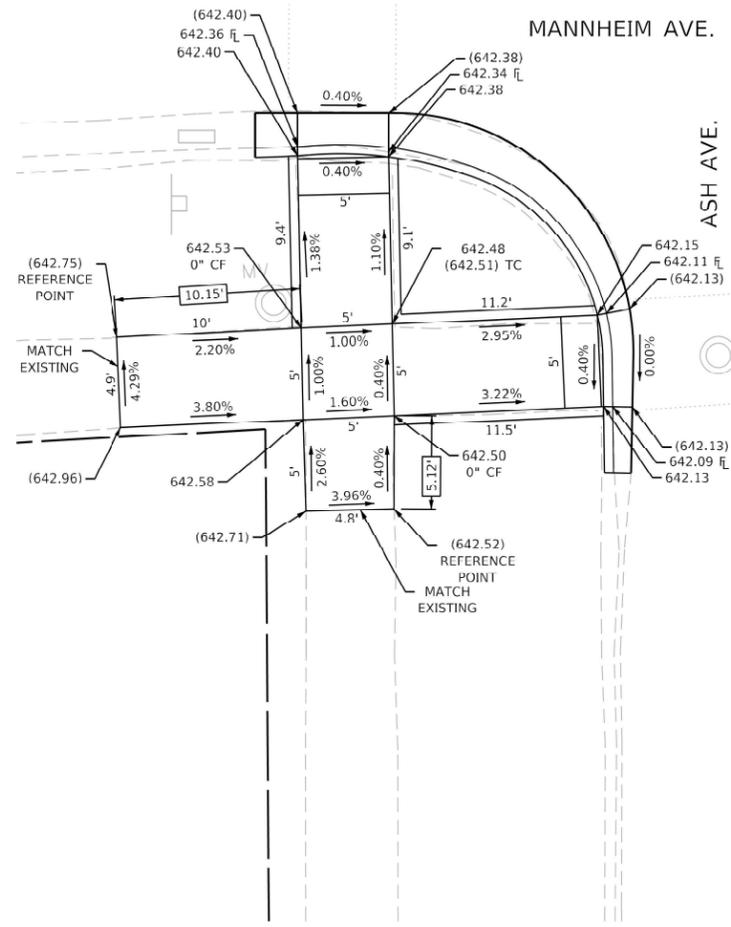
ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	87
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				

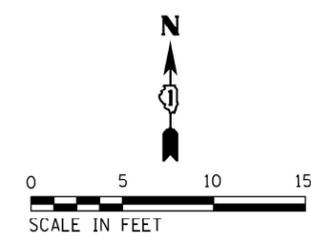
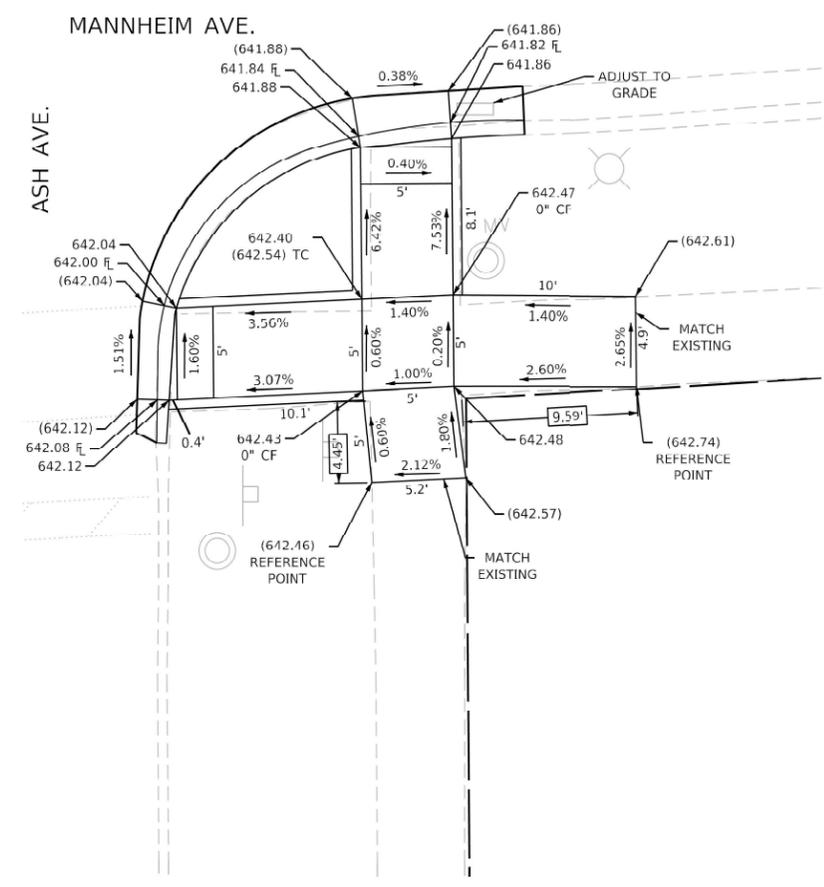
LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



LEGEND

(XXX.XX') EXISTING TC TOP OF CURB
 XXX.XX' PROPOSED CF CURB FACE
 * MEP
 X.XX' REF. DIM.



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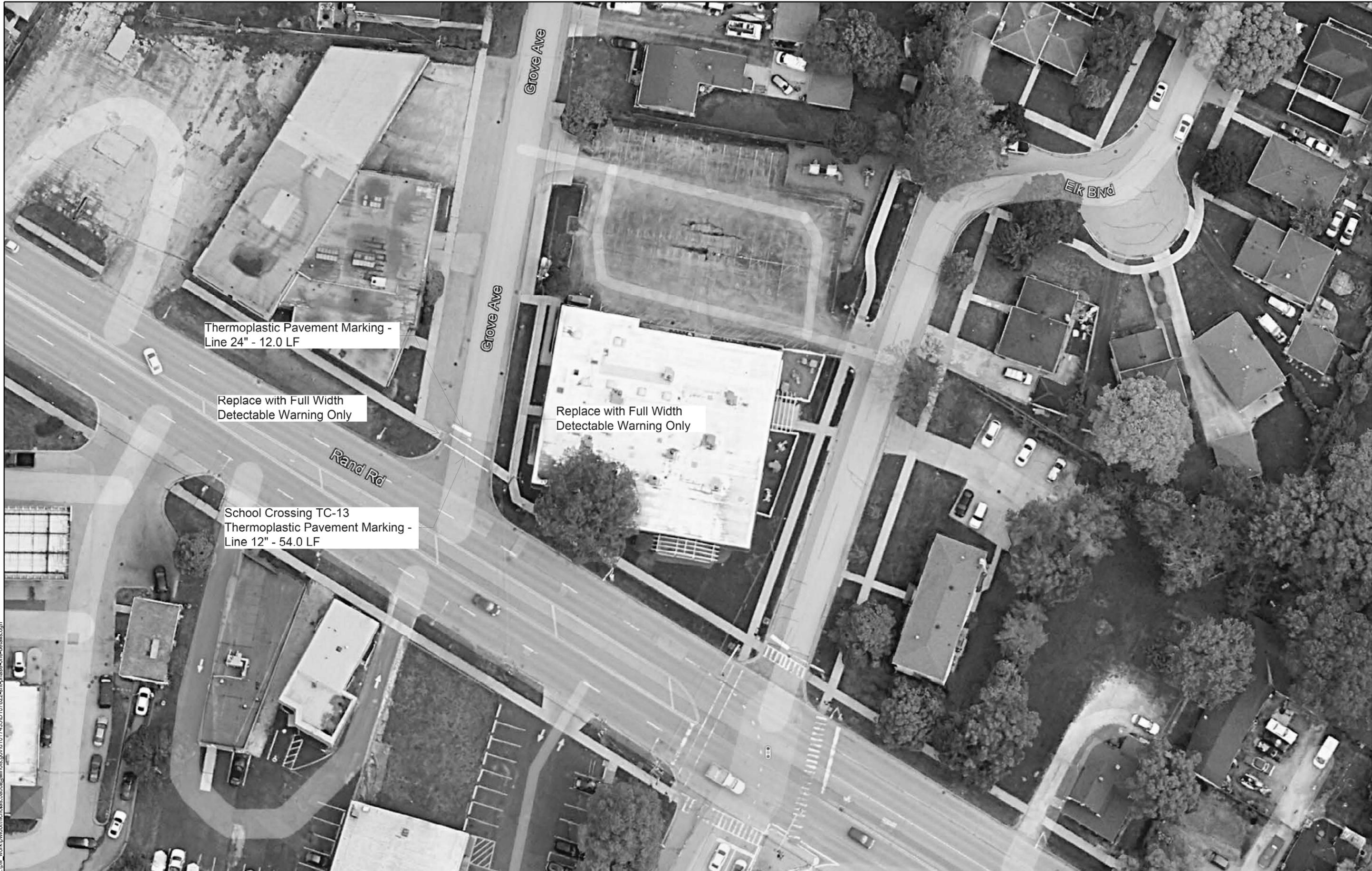
USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
 VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	89
CONTRACT NO. 62R00				
ILLINOIS FED. AID PROJECT				



Thermoplastic Pavement Marking -
Line 24" - 12.0 LF

Replace with Full Width
Detectable Warning Only

Replace with Full Width
Detectable Warning Only

School Crossing TC-13
Thermoplastic Pavement Marking -
Line 12" - 54.0 LF

MODEL: Rand and Grove (Sheet)
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

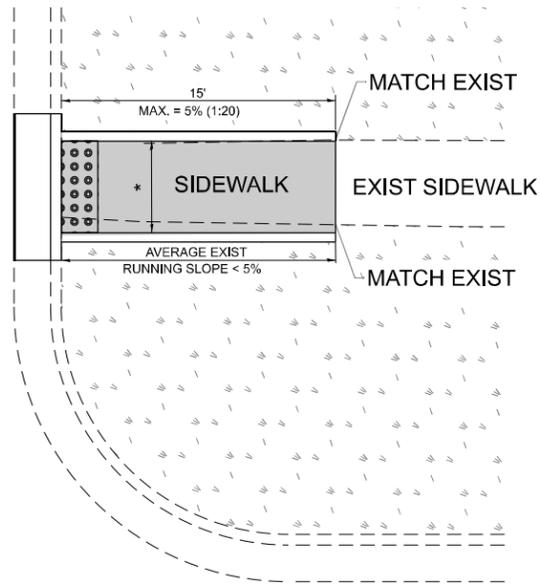
**ADA RAMPS IMPROVEMENT (MAINE TOWNSHIP)
VARIOUS LOCATIONS - CURB RAMPS IMPROVEMENT PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

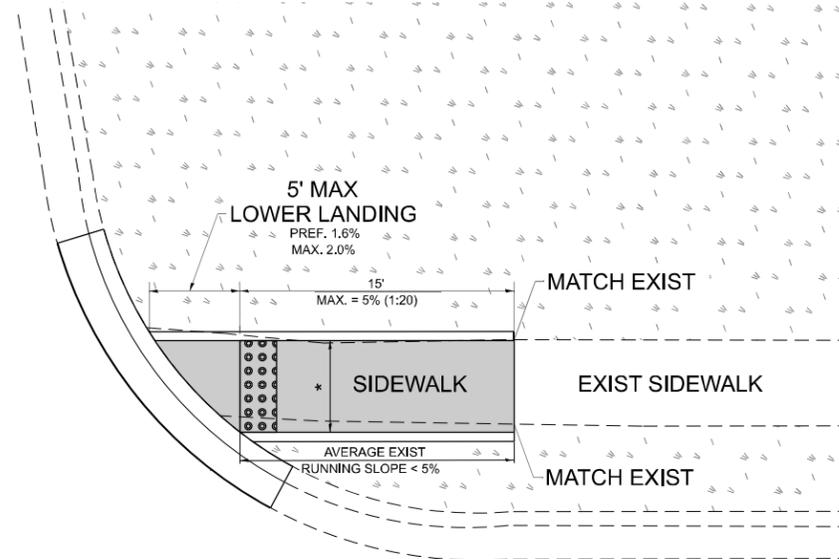
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VAR.	2021-179-SW	COOK	96	91
CONTRACT NO. 62R00			ILLINOIS FED. AID PROJECT	

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

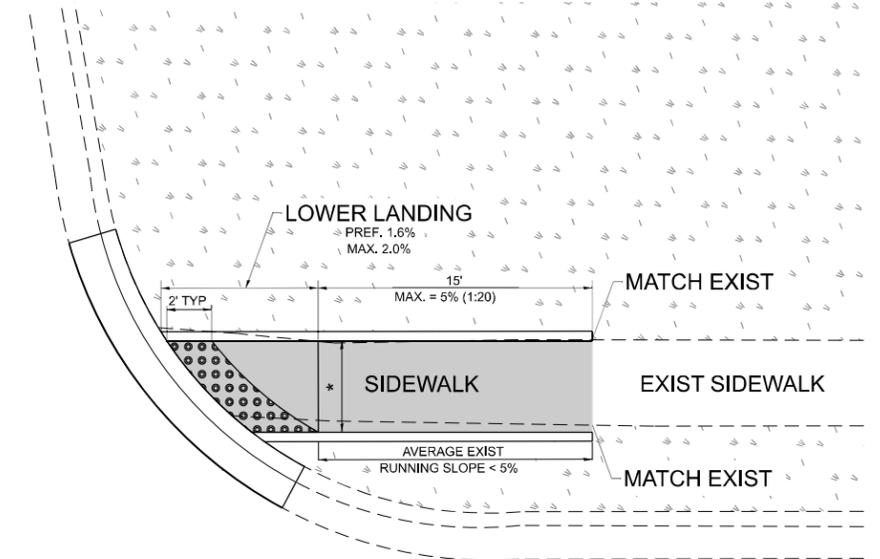
PD-01A



PD-01B



PD-01C



LEGEND

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK
- * MATCH EXISTING SIDEWALK WIDTH

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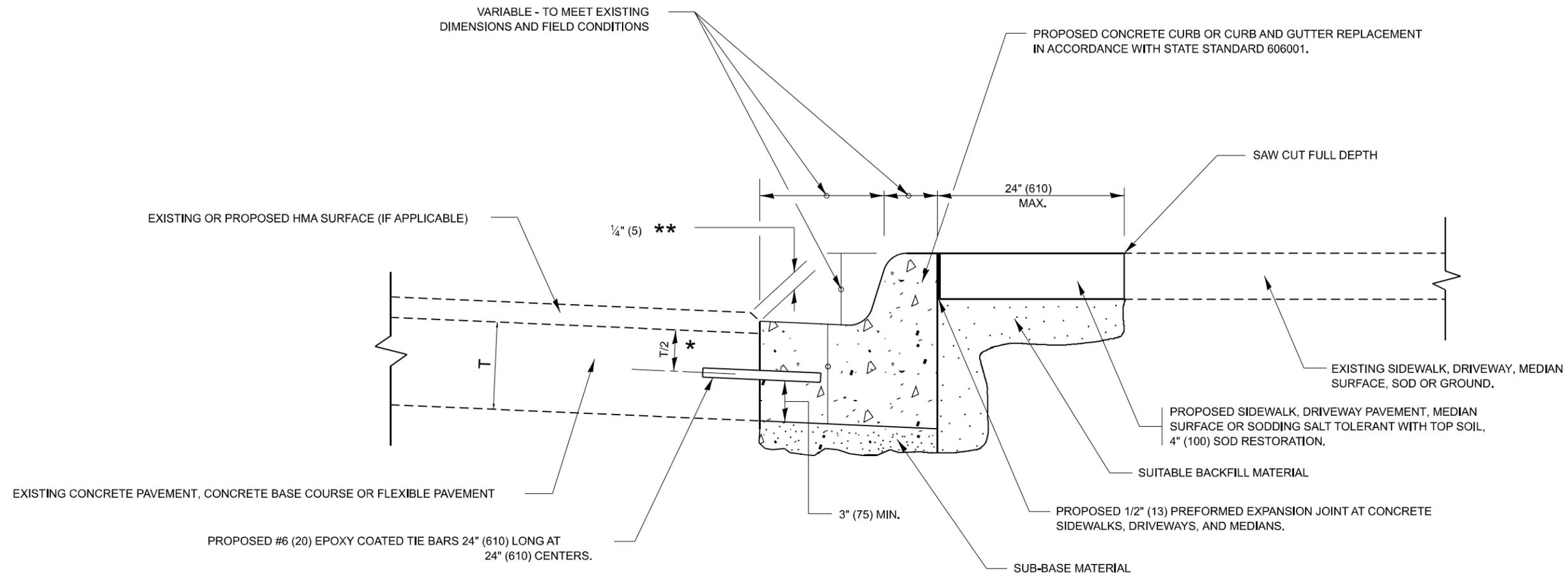
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	DRAWN - R. LEDEZMA	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	92
PD-01			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

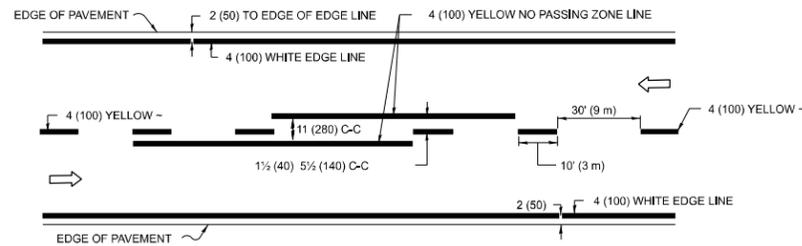
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USER NAME = nicholas.babu	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT DATE = 8/13/2024	CHECKED -	REVISED - R. BORO 12-15-09
	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

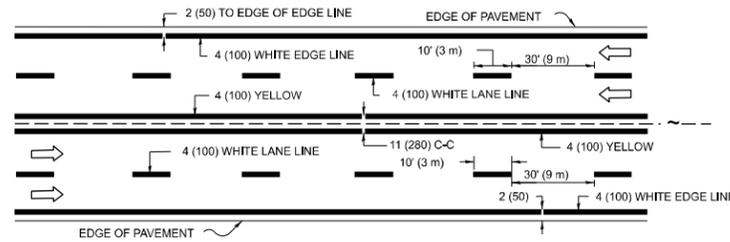
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

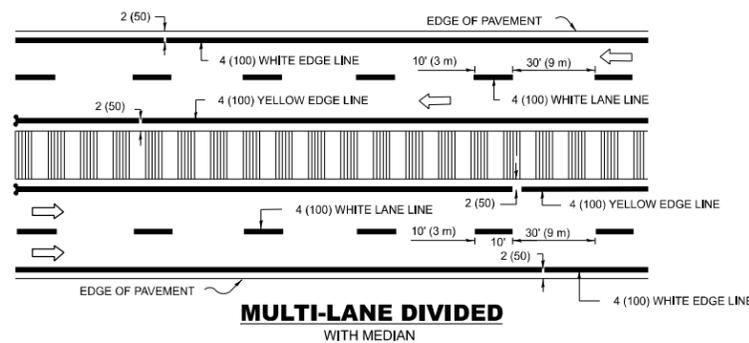
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VAR.	2021-179-SW	COOK	96	93
BD600-06 (BD-24)			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

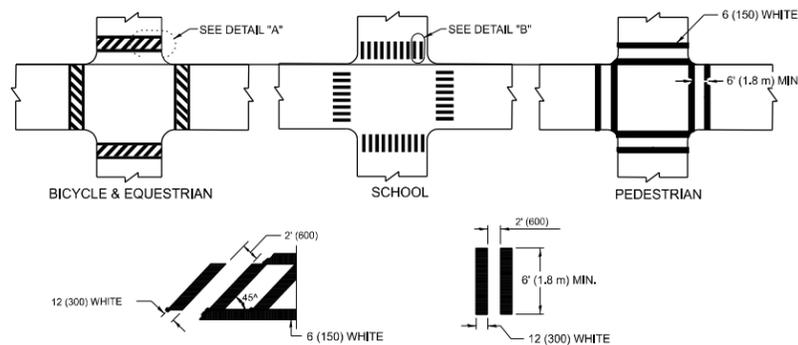


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

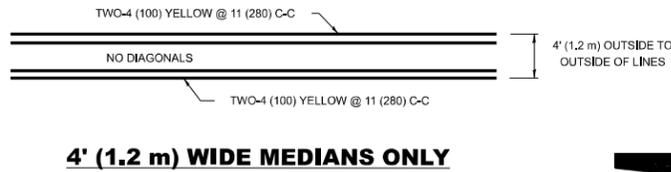


DETAIL "A"

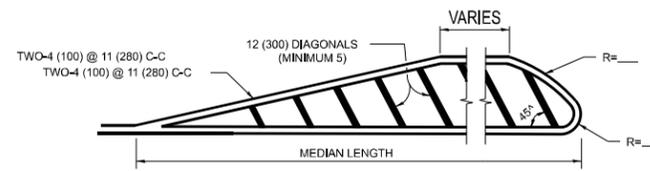
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

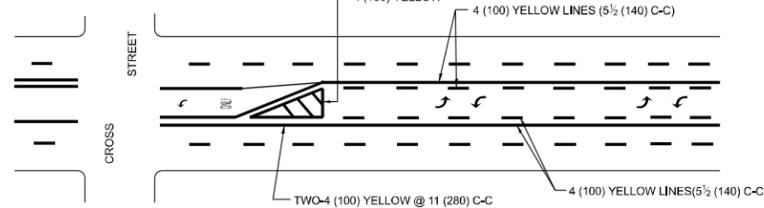


4' (1.2 m) WIDE MEDIANS ONLY

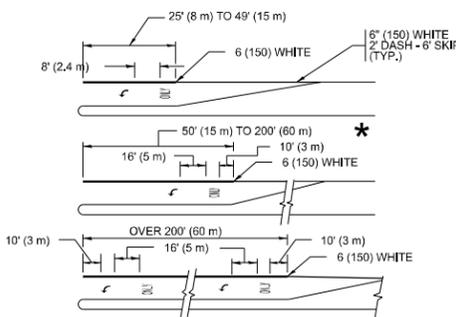


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



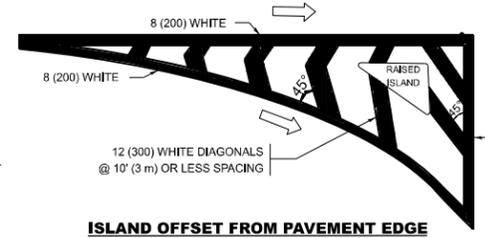
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



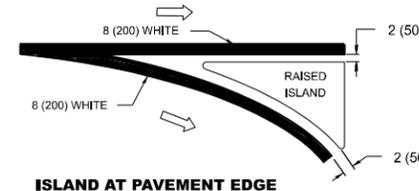
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



ISLAND OFFSET FROM PAVEMENT EDGE

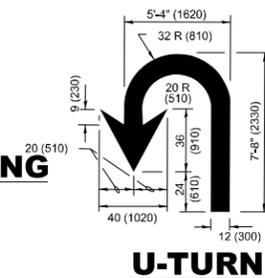


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE-FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL.
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 15 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: TC-13 (Sheet)
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PLOT SCALE = 0.16666833 / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 8/13/2024	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	95
TC-13		CONTRACT NO. 62R00		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

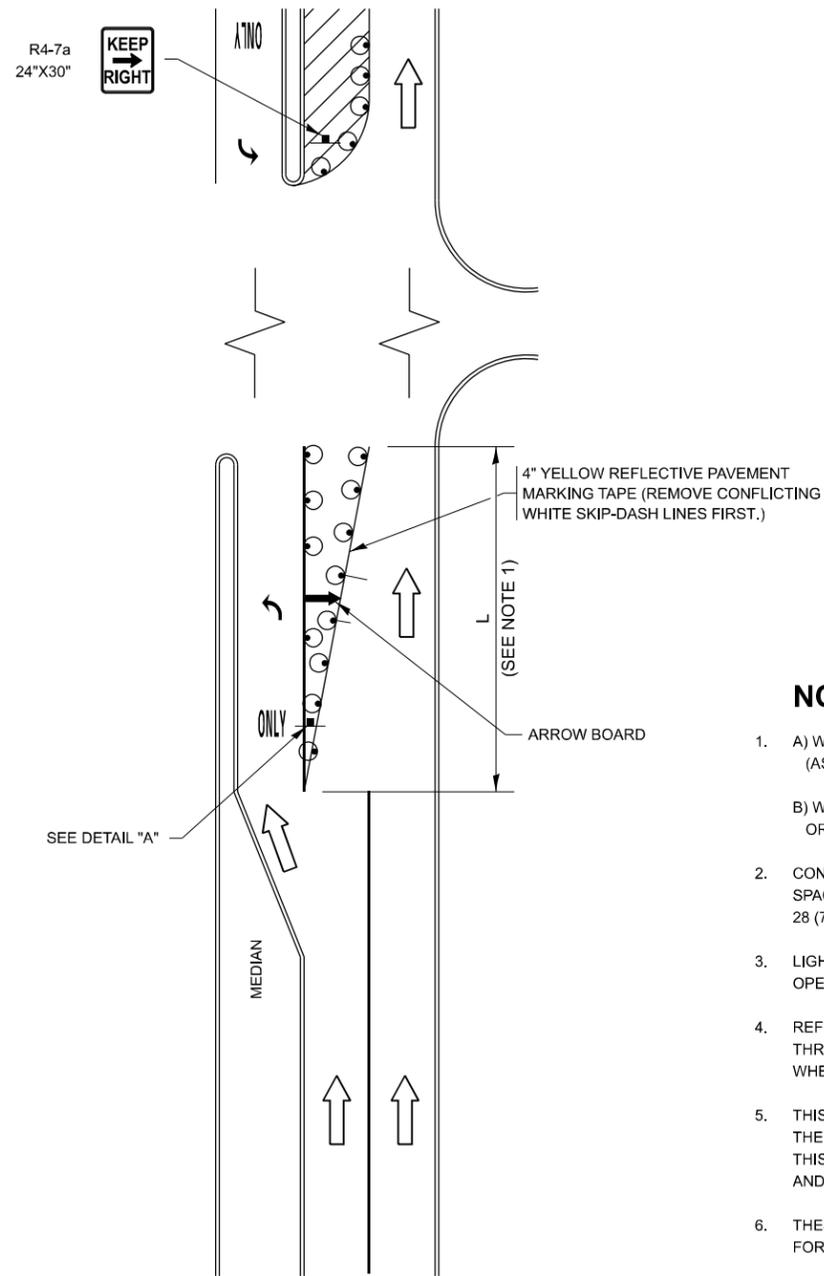


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

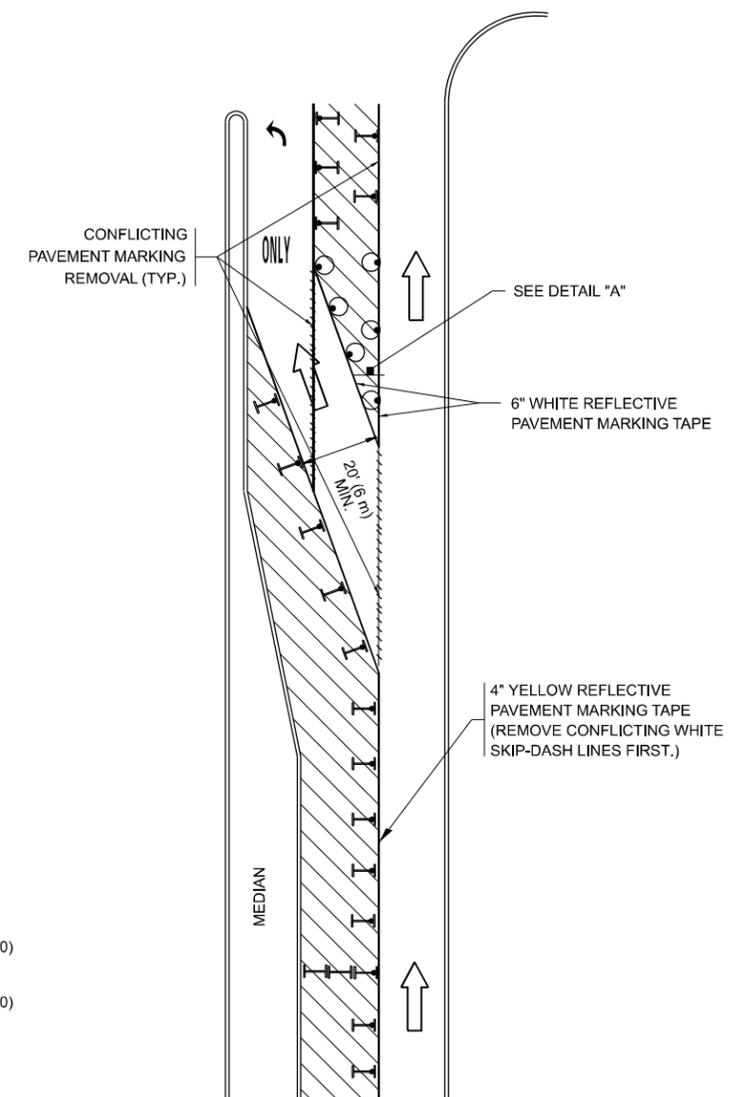


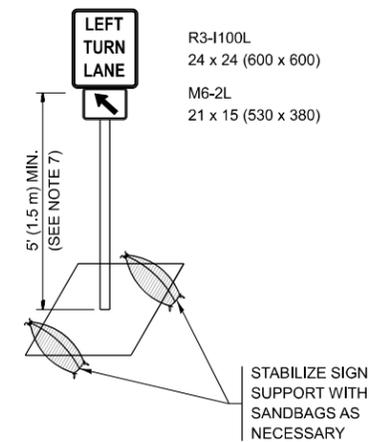
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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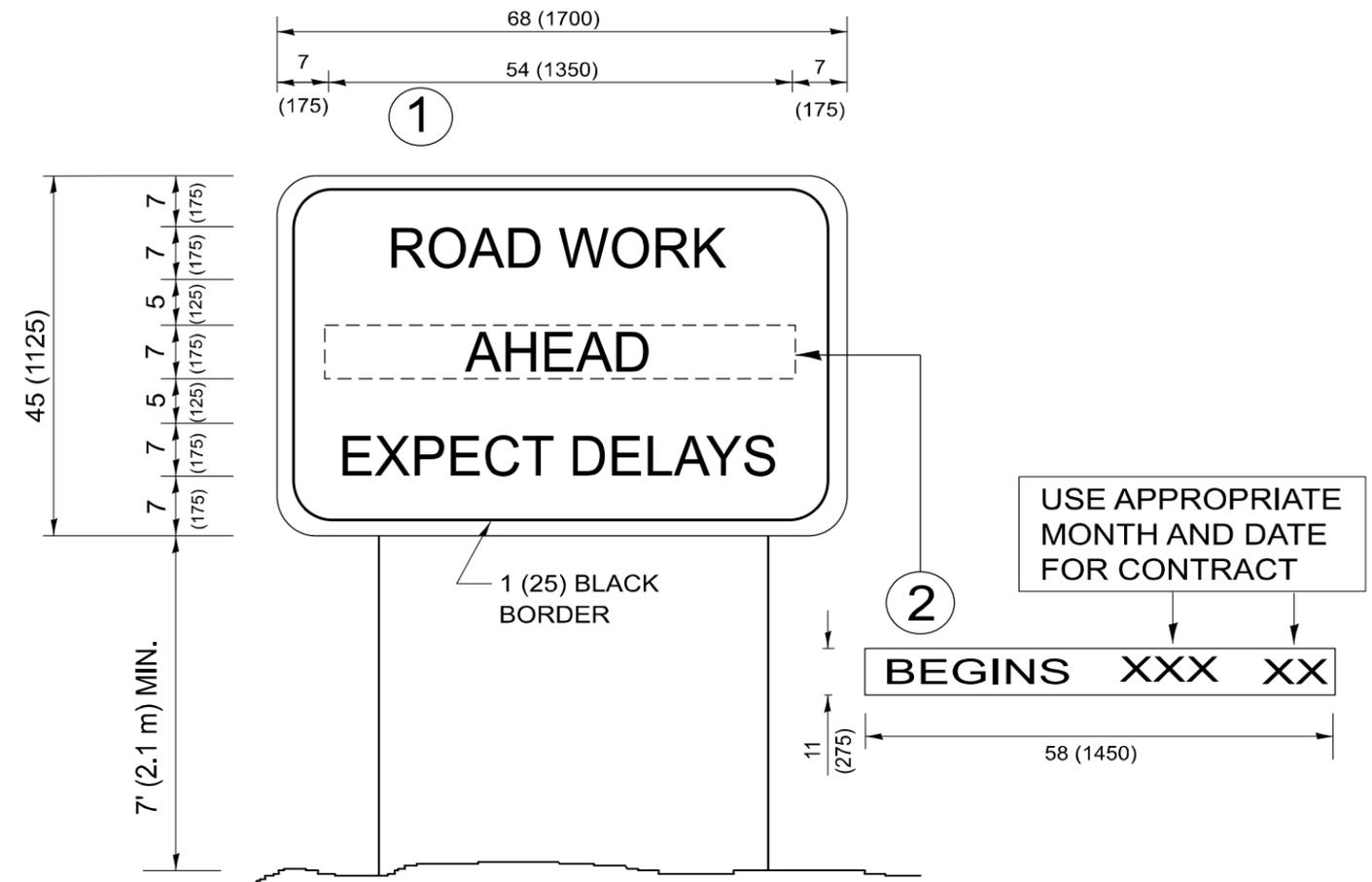
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 0.16666633' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 8/22/2024	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	95A
TC-14			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

MODEL: TC-22 (Sheet)
FILE NAME: c:\p\work\vw\info\nicholas.babu@illinois.gov\10174355-shr-DistSigs.dgn

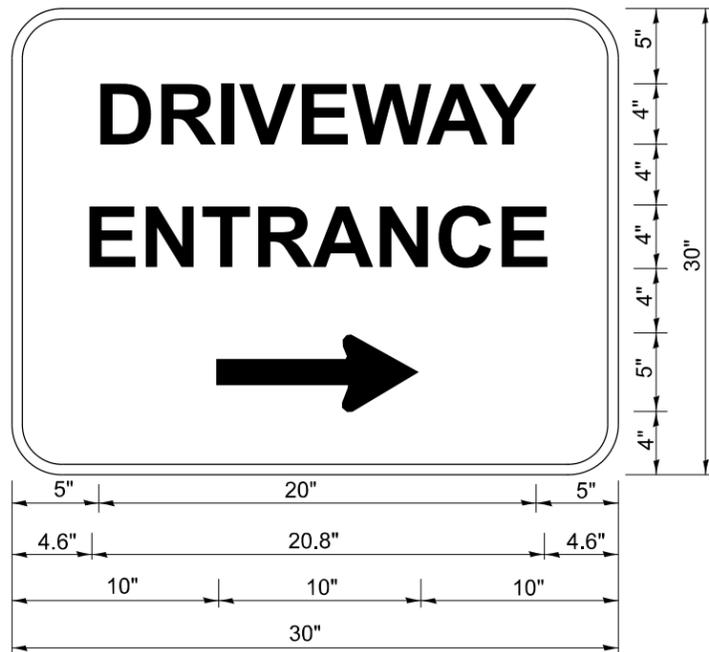
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PLOT SCALE = 0.16666833" / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 8/22/2024	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	95B
TC-22			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

MODEL: TC-26 (Sheet)
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 8/13/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2021-179-SW	COOK	96	96
TC-26			CONTRACT NO. 62R00	
ILLINOIS FED. AID PROJECT				