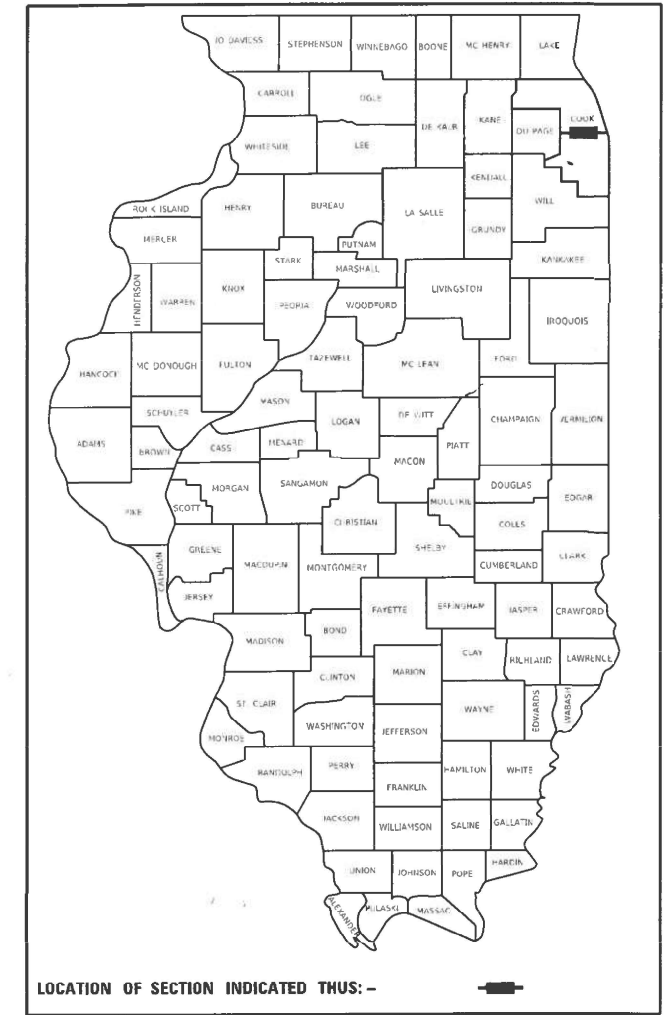


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	1
		ILLINOIS	CONTRACT NO. 62N79	

D-91-129-21



**PROPOSED
HIGHWAY PLANS**

**ROUTE FAP 347: ROOSEVELT ROAD
DES PLAINES AVENUE TO BELT RAILWAY
SECTION: 2021-047-R5
PROJECT: NHPP-CVOZ(534)
SMART OVERLAY, ADA IMPROVEMENTS
COOK COUNTY**

C-91-152-21

FOR INDEX OF SHEETS AND HIGHWAY STANDARDS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED WITHIN THE MUNICIPAL LIMITS OF THE VILLAGE OF FOREST PARK, VILLAGE OF OAK PARK, CITY OF BERWYN, TOWN OF CICERO AND CITY OF CHICAGO.

TRAFFIC DATA

2018 ADT = 15,100 - 27,800 VPD
POSTED SPEED LIMIT = 30 MPH / 35 MPH



MUTHAYAB AHMED MOHAMMED, P.E.
IL LIC. NO. 062-072419

EXP: 11/30/2023

DATE: 11/18/2022

THIS SEAL AND SIGNATURE PERTAINS TO SHEETS 1-58, 60-67.



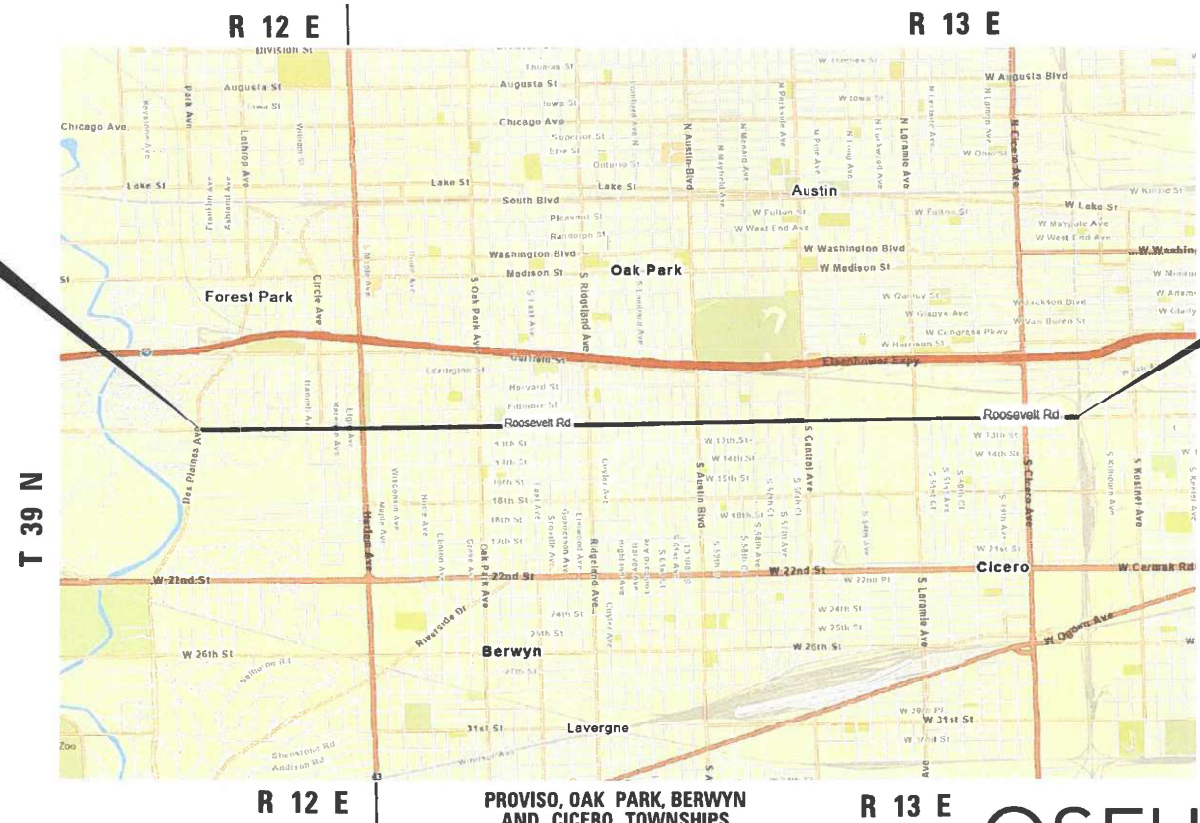
JHAMAL JOSEPH DAVIS, P.E.
IL LIC. NO. 062-072753

EXP: 11/30/2023

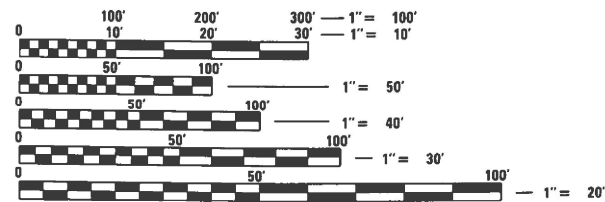
DATE: 11/18/2022

THIS SEAL AND SIGNATURE PERTAINS TO SHEETS 59-79.

PROJECT BEGINS
STA 15+75



PROJECT ENDS
STA 228+67



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 EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62N79

PROVISO, OAK PARK, BERWYN AND CICERO TOWNSHIPS

LOCATION MAP NOT TO SCALE
GROSS LENGTH = 21,292 FT. = 4.03 MILES
NET LENGTH = 21,292 FT. = 4.03 MILES

OSEH inc. 401 S CARLTON AVE SUITE 201 WHEATON, IL 60187 WWW.OSEHINC.COM

CONTACT: MUTHAYAB MOHAMMED (312) 776-2168



CONTACT: JHAMAL DAVIS (847) 613-1100

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED NOVEMBER 17 20 22
Jamal Davis (P.E.)
REGION 1 ENGINEER
December 9, 2022

Steph M. Davis
ENGINEER OF DESIGN AND ENVIRONMENT
December 9, 2022
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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6-7	TYPICAL SECTIONS
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81	BD-17: DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK CITY OF CHICAGO
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88	TC-11: DISTRICT ONE - TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
89	TC-13: DISTRICT ONE - TYPICAL PAVEMENT MARKINGS
90	TC-14: DISTRICT ONE - TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
91	TC-16: DISTRICT ONE - SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
92	TC-22: DISTRICT ONE - ARTERIAL ROAD INFORMATION SIGN
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96	TC-26: DISTRICT ONE - DRIVEWAY ENTRANCE SIGNING
97	TS-07: DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

CITY OF CHICAGO SPECIFIC NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312)744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- THE CITY OF CHICAGO IS TO MAKE ADJUSTMENTS TO THEIR STREET LIGHTING AND/OR TRAFFIC SIGNAL FACILITIES. THE CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH THE CITY OF CHICAGO IN THESE ADJUSTMENTS. THIS COORDINATION AND COOPERATION BY THE CONTRACTOR WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COSTS OF THE CONTRACT.
- PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

STATE STANDARDS

STANDARD NO.	DRAWING NAME
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
701006-05	OFF-ROAD 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 OPERATION, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

- SIGN POST FOR R4-7 SHALL BE TELESCOPING STEEL POST, 36" WITH 3" X 30" REFLECTIVE STRIP MATCHING THE PRIMARY FACE, (HI-PRISMATIC) STRIP. THE COST FOR THE REFLECTIVE STRIP WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE TELESCOPING STEEL POST.

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND VILLAGE OF FOREST PARK, VILLAGE OF OAK PARK, CITY OF BERWYN, TOWN OF CICERO AND CITY OF CHICAGO.
- FRAME AND GRATE ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- EXTENDED LANE CLOSURE SHALL BE APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS. OVERNIGHT CLOSURE SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIANS.
- LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
- CATCH BASINS, MANHOLES, INLETS, DRAINAGE STRUCTURES AND VALVE VAULTS ADJUSTMENT AND/OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER / TECHNICIAN.
- 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 MILLED PAVEMENT OPENS TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, VIA E-MAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- ANY PAVEMENT MARKINGS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 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 GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18-INCH WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER / TECHNICIAN.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- ALL CAST OPEN LIDS FOR FRAMES, TYPE 1, WITHIN CURB RAMPS FOR SIDEWALK, SHALL BE "ADA COMPLIANT" CAST OPEN LIDS PER HIGHWAY STANDARD 604001.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF THE CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
- ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- THE VILLAGE OF OAK PARK IS RESPONSIBLE FOR THE REMOVAL AND RELOCATION OF THE EXISTING PLANTER BOXES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE TIMING OF THIS RELOCATION WITH THE VILLAGE.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)

SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.	F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 2
						CONTRACT NO. 62N79	
						ILLINOIS	FED. AID PROJECT

PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				0005		0021
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
20101700	SUPPLEMENTAL WATERING	UNIT	1	1		
20200100	EARTH EXCAVATION	CU YD	120	120		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	66	66		
25200110	SODDING, SALT TOLERANT	SQ YD	66	66		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	57,710	57,710		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	51,702	51,702		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	208	208		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,315	1,315		
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	12,439	12,439		
42101300	PROTECTIVE COAT	SQ YD	1,848	1,848		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	11,115	11,115		
42400800	DETECTABLE WARNINGS	SQ FT	554	554		
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	126,930	126,930		
44000600	SIDEWALK REMOVAL	SQ FT	11,115	11,115		
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	604	604		
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	1,232	1,232		
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	1,500	1,500		
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	1,420	1,420		
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3		
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	3		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	17	17		
60266600	VALVE BOXES TO BE ADJUSTED	EACH	14	14		

* = SPECIALITY ITEM

PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				0005		0021
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	26	26		
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5		
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	120	120		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6		
* 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	6	6		
67100100	MOBILIZATION	L SUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1		
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1		
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1		
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	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		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,360	8,360		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,787	2,787		
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2,642	2,642		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	38,845	38,845		
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	21,249	21,249		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)**

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N79	

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PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				0005	0021	
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	9,999	9,999		
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	2,600	2,600		
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	6,475	6,475		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	152	152		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	320	320		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,642	2,642		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	38,845	38,845		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	21,249	21,249		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	9,999	9,999		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	2,600	2,600		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,090	1,090		
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,090	1,090		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	128			128
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	7			7
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,741			1,741
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	194			194
* 87900200	DRILL EXISTING HANDHOLE	EACH	12			12
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3,379			3,379
* 89502200	MODIFY EXISTING CONTROLLER	EACH	5			5
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	120	120		
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	7			7
* 89502376	REBUILD EXISTING HANDHOLE	EACH	12	12		
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1		

* = SPECIALITY ITEM

PAY ITEM NUMBER	DESIGNATION	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				0005	0021	
				80% FEDERAL 20% STATE	100% STATE	80% FEDERAL 20% STATE
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	2,840	2,840		
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	12			12
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	470	470		
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 F	FOOT	206	206		
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	2,552	2,552		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2,140			2,140
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	346	346		
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12		
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	56			56
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	48			48
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	145			145
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	800	800		
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	5			5
* X1400516	IN-ROADWAY WARNING LIGHTS REMOVAL	EACH	25	25		
Ø Z0076600	TRAINEES	HOURS	500	500		
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500		



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PLOT DATE = 11/18/2022	CHECKED - MM	REVISED -
	DATE - 11/18/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)			
SCALE: NTS	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N79	

Ø 0042

REV-SEP

SCHEDULE OF QUANTITIES

	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
	85000200
LOCATION	EACH
ROOSEVELT RD @ DES PLAINES AVE	1
ROOSEVELT RD @ LATHROP AVE	1
ROOSEVELT RD @ CIRCLE AVE	1
ROOSEVELT RD @ HARLEM AVE	1
ROOSEVELT RD @ OAK PARK AVE	1
ROOSEVELT RD @ EAST EVE	1
ROOSEVELT RD @ RIDGELAND AVE	1
TOTAL	7

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OSEH inc.
 401 S CARLTON AVE
 SUITE 300
 WHEATON, IL 60187
 WWW.OSEHINC.COM

USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -
PLOT SCALE = 2,0000 ' / in.	DRAWN - KLN	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

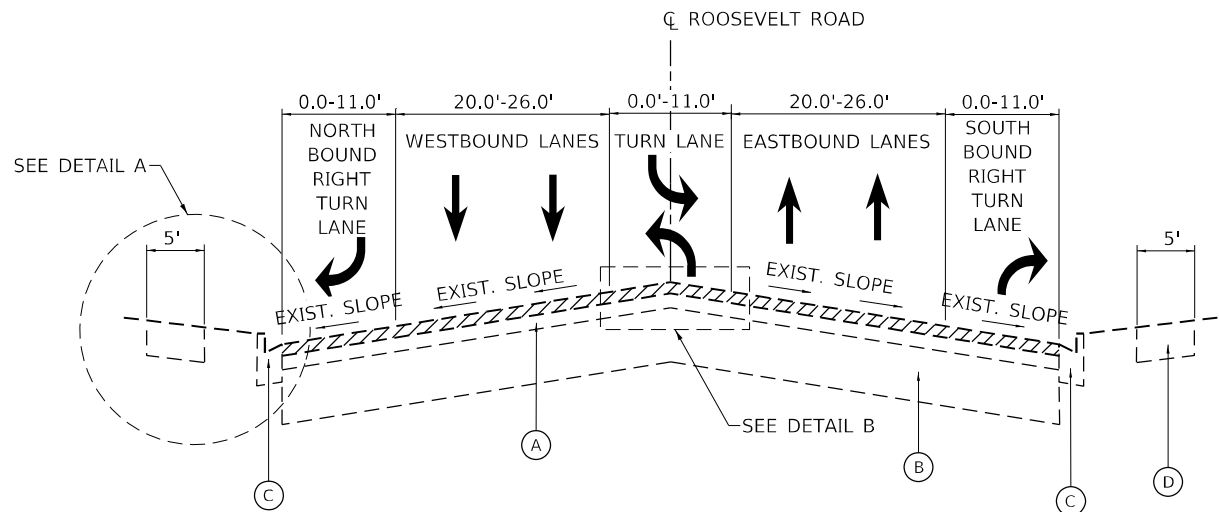
**ROADWAY SCHEDULE OF QUANTITIES
ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	5
CONTRACT NO. 62N79				
		ILLINOIS	FED. AID PROJECT	

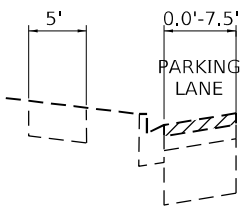
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ Ndesign	
PAVEMENT RESURFACING		
POLYMERIZED HOT -MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80; 1 3/4 "	3.5% @ 80 GYR.	PFP
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR	QC/QA
QMP DESIGNATION : QUALITY CONTROL/ QUALITY ASSURANCE (QA/QC); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		



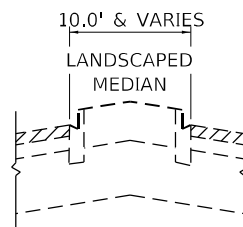
EXISTING ROOSEVELT RD

STA. 15+75 TO STA. 59+00
 STA. 187+35 TO STA. 192+85
 STA. 214+25 TO STA. 220+65



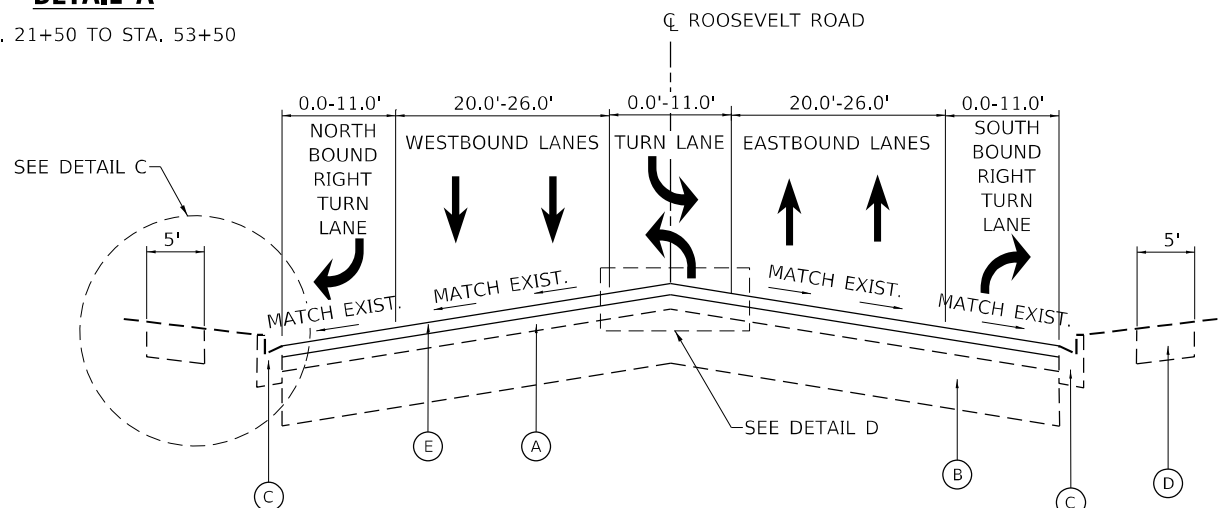
DETAIL A

STA. 21+50 TO STA. 53+50



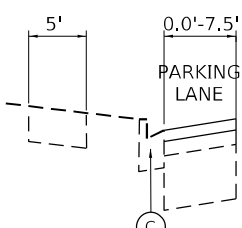
DETAIL B

STA. 23+10 TO STA. 25+92
 STA. 40+34 TO STA. 41+67
 STA. 48+88 TO STA. 51+60



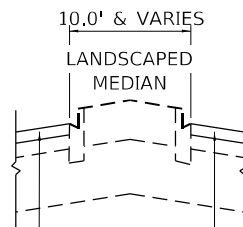
PROPOSED ROOSEVELT RD

STA. 15+75 TO STA. 59+00
 STA. 187+35 TO STA. 192+85
 STA. 214+25 TO STA. 220+65



DETAIL C

STA. 21+50 TO STA. 53+50



DETAIL D

STA. 23+10 TO STA. 25+92
 STA. 40+34 TO STA. 41+67
 STA. 48+88 TO STA. 51+60

NOTES

1. THE UNIT WEIGHT TO BE USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
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.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER MILLED SURFACE.
4. CONTRACTOR SHALL MILL FIRST BEFORE PATCHING. SEE BD-22 FOR ADDITIONAL INFORMATION.

LEGEND

- (A) EXISTING HMA PAVEMENT (5 1/2" - 6")
- (B) EXISTING PCC PAVEMENT (10")
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING SIDEWALK
- (E) PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- 1 3/4" HMA SURFACE REMOVAL

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 PROJECT: 11/18/2022

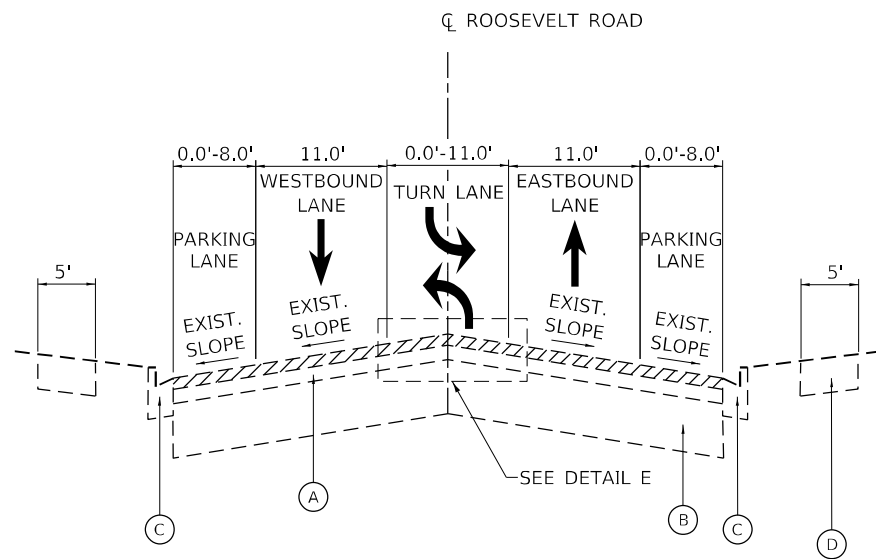


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PLOT DATE = 11/18/2022	DATE - 11/18/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

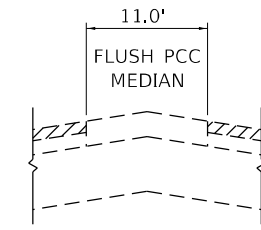
**ROADWAY TYPICAL SECTION
 ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)**
 SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 6
CONTRACT NO. 62N79			ILLINOIS FED. AID PROJECT	



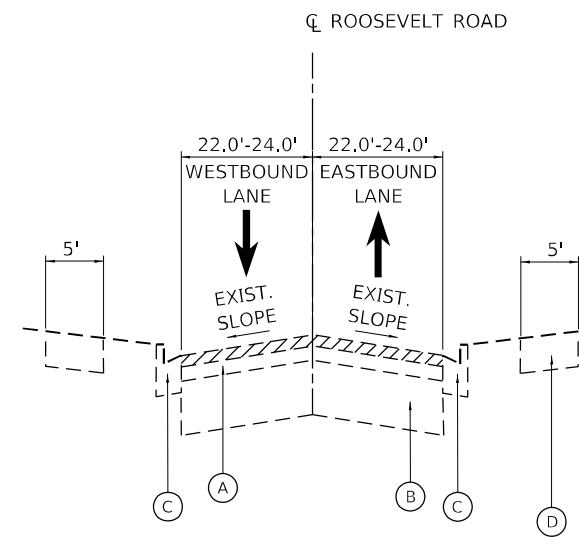
EXISTING ROOSEVELT RD

STA. 59+00 TO STA. 140+00
STA. 160+92 TO STA. 166+50



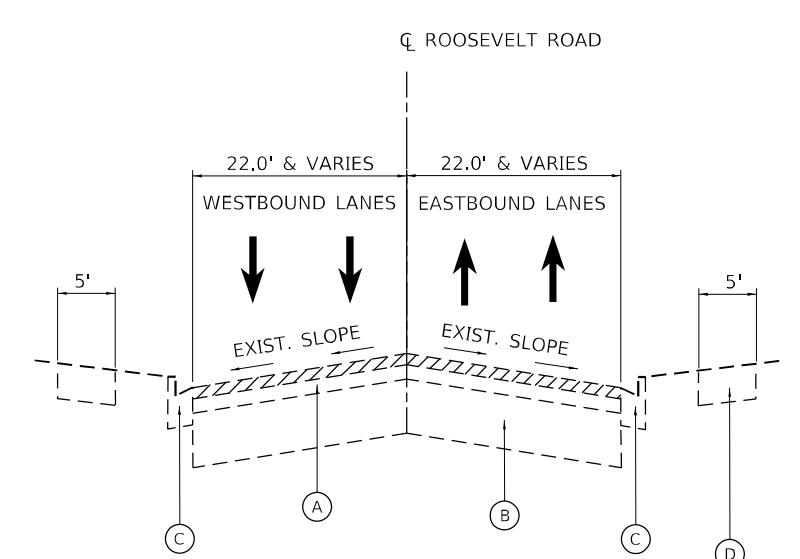
DETAIL E

STA. 62+50 TO STA. 63+10
STA. 76+85 TO STA. 77+75
STA. 87+35 TO STA. 88+00
STA. 94+00 TO STA. 94+85
STA. 113+95 TO STA. 114+70
STA. 120+70 TO STA. 122+00
STA. 125+40 TO STA. 125+85
STA. 127+40 TO STA. 127+90



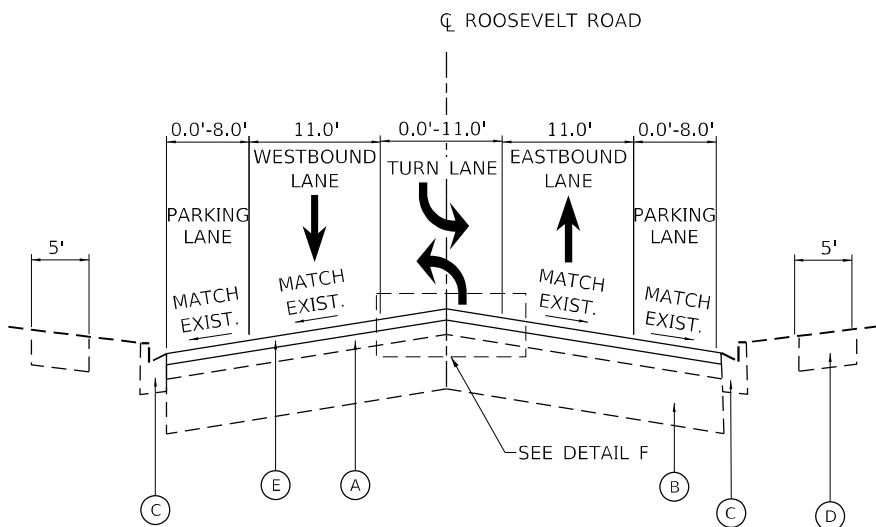
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STA. 140+00 TO STA. 160+92



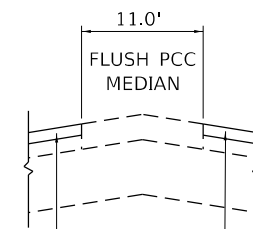
EXISTING ROOSEVELT RD

STA. 166+50 TO STA. 187+35
STA. 192+85 TO STA. 214+25
STA. 220+65 TO STA. 228+67



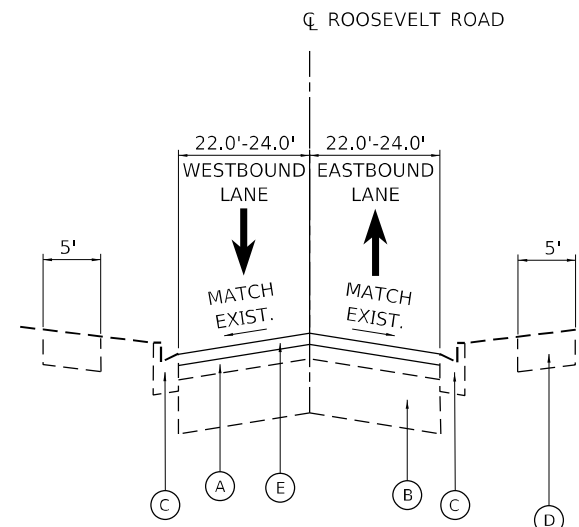
PROPOSED ROOSEVELT RD

STA. 59+00 TO STA. 140+00
STA. 160+92 TO STA. 166+50



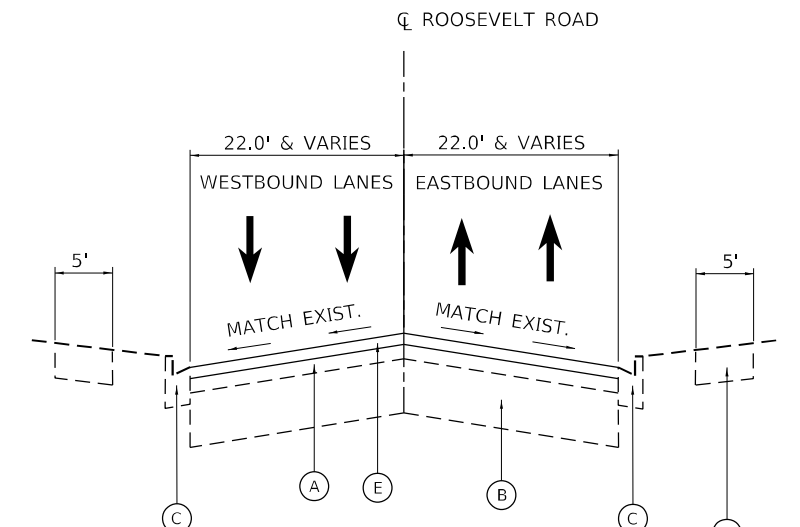
DETAIL F

STA. 62+50 TO STA. 63+10
STA. 76+85 TO STA. 77+75
STA. 87+35 TO STA. 88+00
STA. 94+00 TO STA. 94+85
STA. 113+95 TO STA. 114+70
STA. 120+70 TO STA. 122+00
STA. 125+40 TO STA. 125+85
STA. 127+40 TO STA. 127+90



PROPOSED ROOSEVELT RD

STA. 140+00 TO STA. 160+92



PROPOSED ROOSEVELT RD

STA. 166+50 TO STA. 187+35
STA. 192+85 TO STA. 214+25
STA. 220+65 TO STA. 228+67

LEGEND

- (A) EXISTING HMA PAVEMENT (5 1/2" - 6")
- (B) EXISTING PCC PAVEMENT (10")
- (C) EXISTING CURB AND GUTTER
- (D) EXISTING SIDEWALK
- (E) PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- 1 3/4" HMA SURFACE REMOVAL

NOTES

1. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER MILLED SURFACE.
2. CONTRACTOR SHALL MILL FIRST BEFORE PATCHING. SEE BD-22 FOR ADDITIONAL INFORMATION.

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 USER: ChiSengCheong

OSEH inc.
 401 S CARLTON AVE
 SUITE 300
 WHEATON, IL 60187
 WWW.OSEHINC.COM

USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -
DRAWN - KLN	REVISED -	
PLOT SCALE = 40,0000 * / in.	CHECKED - MM	REVISED -
PLOT DATE = 11/18/2022	DATE - 11/18/2022	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY TYPICAL SECTION
ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)**




SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.

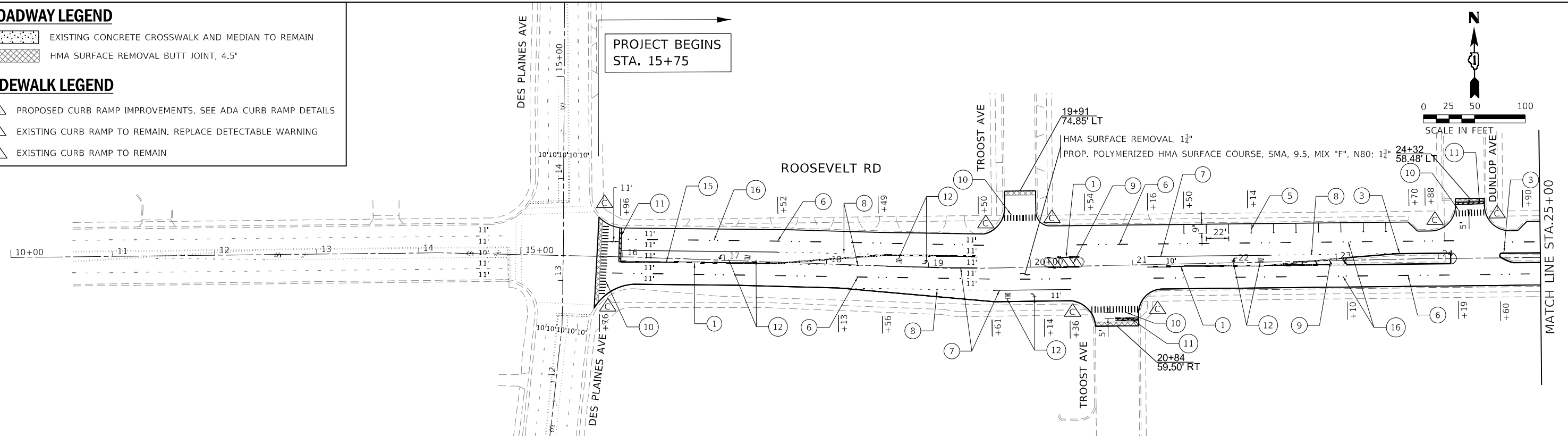
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	7
CONTRACT NO. 62N79			ILLINOIS FED. AID PROJECT	

ROADWAY LEGEND

-  EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
-  HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

-  PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
-  EXISTING CURB RAMP TO REMAIN. REPLACE DETECTABLE WARNING
-  EXISTING CURB RAMP TO REMAIN

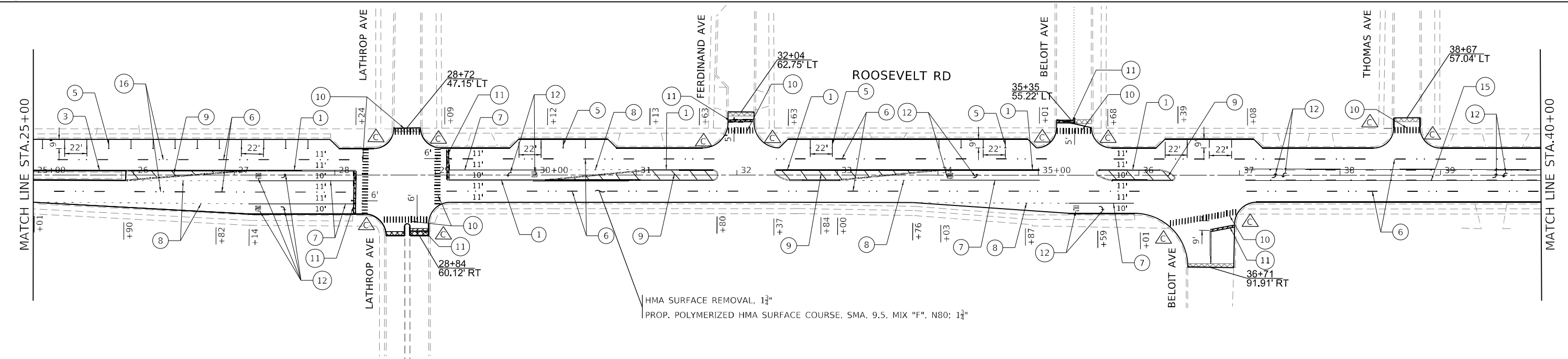


LEGEND

- | | |
|--|--|
| <ul style="list-style-type: none"> ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP ③ THPL PAVT MK LINE 4", SOLID YELLOW LINE ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP ⑤ THPL PAVT MK LINE 4", SOLID WHITE LINE ⑥ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE ⑧ THPL PAVT MK LINE 6", SKIP DASH WHITE TAPER LINE, 2' DASH - 6' SKIP | <ul style="list-style-type: none"> ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM) ⑩ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING) ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR ⑫ THPL PAVT MK, LETTERS AND SYMBOLS ⑬ THPL PAVT MK LINE 24", (WHITE CROSSWALK @ 2' CLEAR SPACING) ⑭ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 6' DASH - 18' SKIP ⑮ PROPOSED RRPM - TWO WAY AMBER MARKERS ⑯ PROPOSED RRPM - ONE WAY CRYSTAL MARKERS |
|--|--|

NOTES:

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL WEST OF AUSTIN BLVD AND SHALL FOLLOW TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKING" STANDARDS DETAIL EAST OF AUSTIN BLVD.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11, "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
5. THE EXISTING CONCRETE CROSS-WALKS AND MEDIAN TO REMAIN NEED TO BE PROTECTED FROM BITUMINOUS MATERIALS



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OSEH inc.
 401 S CARLTON AVE
 SUITE 300
 WHEATON, IL 60187
 WWW.OSEHINC.COM

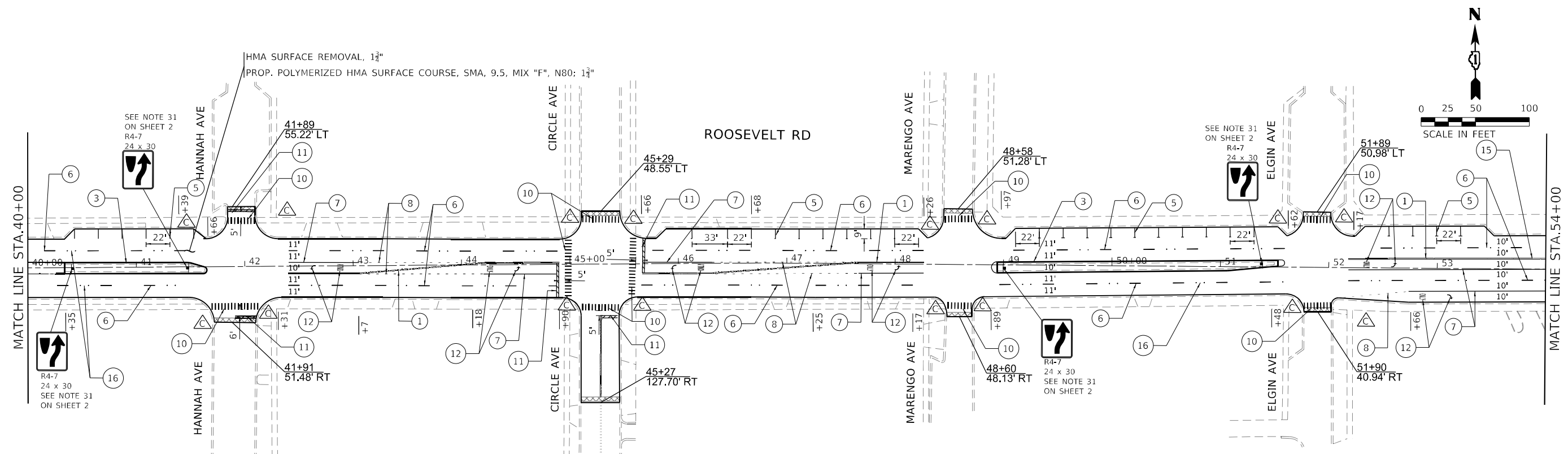
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DRAWN - KLN	REVISOR -	REVISED -
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PLOT DATE = 11/18/2022	DATE - 11/18/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)**

SCALE: 1" = 50' SHEET 1 OF 8 SHEETS STA. 15+75 TO STA. 40+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	8
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

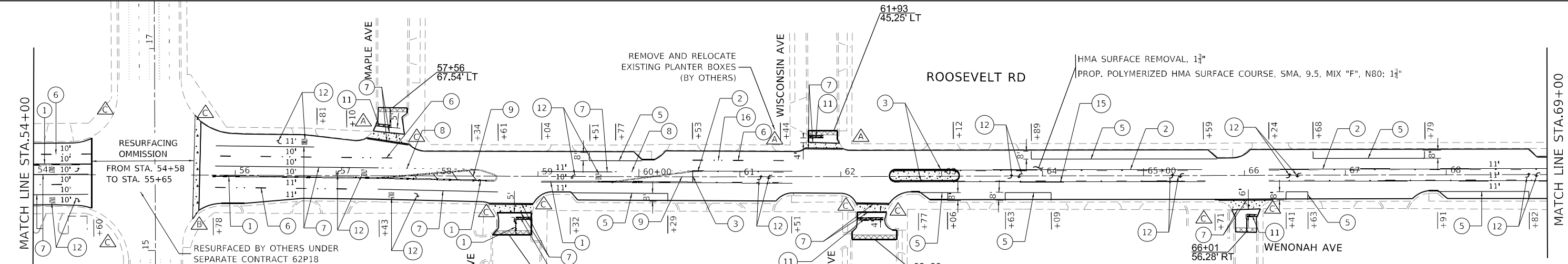


LEGEND

- | | |
|--|---|
| ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE | ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM) |
| ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP | ⑩ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING) |
| ③ THPL PAVT MK LINE 4", SOLID YELLOW LINE | ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR |
| ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP | ⑫ THPL PAVT MK, LETTERS AND SYMBOLS |
| ⑤ THPL PAVT MK LINE 4", SOLID WHITE LINE | ⑬ THPL PAVT MK LINE 24", (WHITE CROSSWALK @ 2' CLEAR SPACING) |
| ⑥ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP | ⑭ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 6' DASH - 18' SKIP |
| ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE | ⑮ PROPOSED RRPM - TWO WAY AMBER MARKERS |
| ⑧ THPL PAVT MK LINE 6", SKIP DASH WHITE TAPER LINE, 2' DASH - 6' SKIP | ⑯ PROPOSED RRPM - ONE WAY CRYSTAL MARKERS |

NOTES:

- LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA.
- ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL WEST OF AUSTIN BLVD AND SHALL FOLLOW TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKING" STANDARDS DETAIL EAST OF AUSTIN BLVD.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11, "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
- THE EXISTING CONCRETE CROSS-WALKS AND MEDIAN TO REMAIN NEED TO BE PROTECTED FROM BITUMINOUS MATERIALS



ROADWAY LEGEND

- EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

- PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
- EXISTING CURB RAMP TO REMAIN. REPLACE DETECTABLE WARNING
- EXISTING CURB RAMP TO REMAIN

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 OSEH inc.

	USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -
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	PLOT DATE = 11/18/2022	CHECKED - MM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)
 SCALE: 1" = 50' SHEET 2 OF 8 SHEETS STA. 40+00 TO STA. 69+00

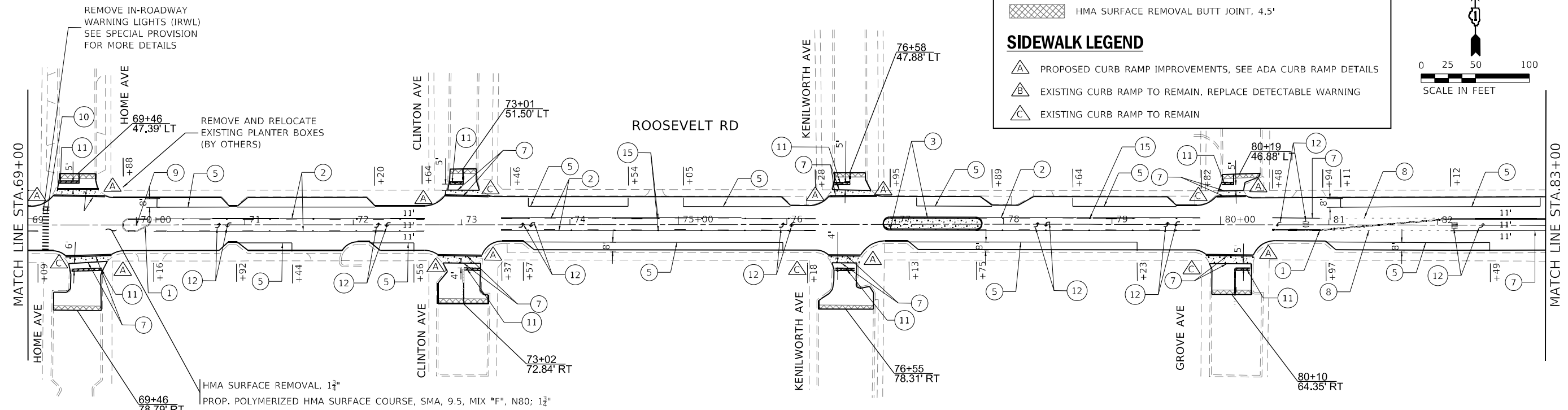
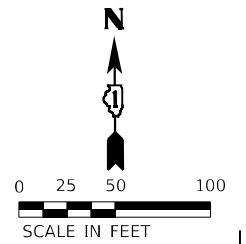
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	9
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

ROADWAY LEGEND

- EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

- PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
- EXISTING CURB RAMP TO REMAIN, REPLACE DETECTABLE WARNING
- EXISTING CURB RAMP TO REMAIN

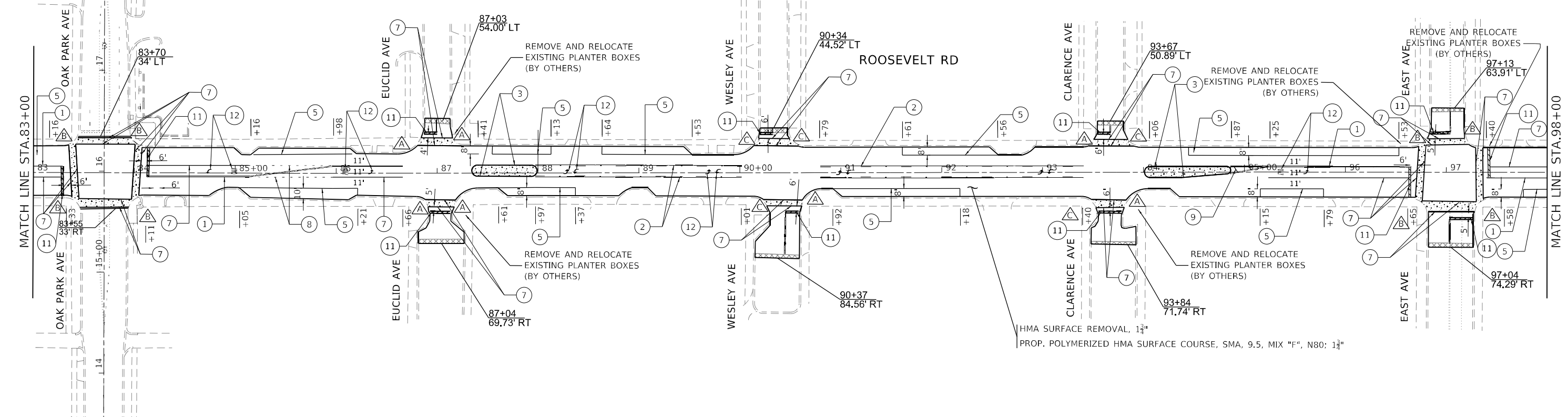


LEGEND

- | | |
|--|---|
| ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE | ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM) |
| ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP | ⑩ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING) |
| ③ THPL PAVT MK LINE 4", SOLID YELLOW LINE | ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR |
| ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP | ⑫ THPL PAVT MK, LETTERS AND SYMBOLS |
| ⑤ THPL PAVT MK LINE 4", SOLID WHITE LINE | ⑬ THPL PAVT MK LINE 24", (WHITE CROSSWALK @ 2' CLEAR SPACING) |
| ⑥ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP | ⑭ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 6' DASH - 18' SKIP |
| ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE | ⑮ PROPOSED RRPM - TWO WAY AMBER MARKERS |
| ⑧ THPL PAVT MK LINE 6", SKIP DASH WHITE TAPER LINE, 2' DASH - 6' SKIP | ⑯ PROPOSED RRPM - ONE WAY CRYSTAL MARKERS |

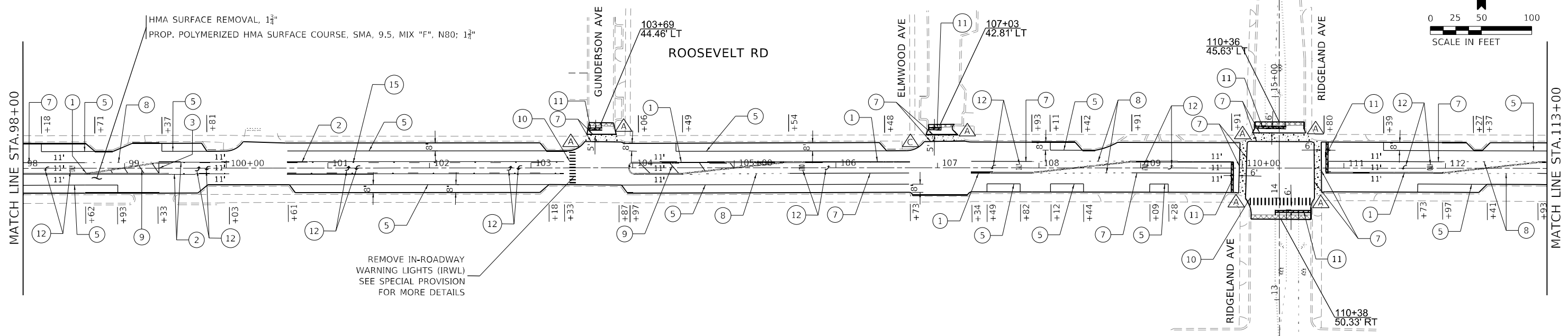
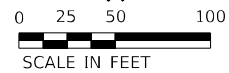
NOTES:

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
2. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) ON HMA.
3. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL WEST OF AUSTIN BLVD AND SHALL FOLLOW TC-24 "CITY OF CHICAGO TYPICAL PAVEMENT MARKING" STANDARDS DETAIL EAST OF AUSTIN BLVD.
4. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11, "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.
5. THE EXISTING CONCRETE CROSS-WALKS AND MEDIAN NEED TO BE PROTECTED FROM BITUMINOUS MATERIALS



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 PROJECT: Illinois Department of Transportation

	USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)	F.A.P. RTE. = 347	SECTION = 2021-047-R5	COUNTY = COOK	TOTAL SHEETS = 97	SHEET NO. = 10
	PLOT SCALE = 100,0000' / 1 in.	CHECKED - MM	REVISIED -			SCALE: 1" = 50'	SHEET 3 OF 8 SHEETS	STA. 69+00 TO STA. 98+00	CONTRACT NO. 62N79	
	PLOT DATE = 11/18/2022	DATE = 11/18/2022	REVISIED -							

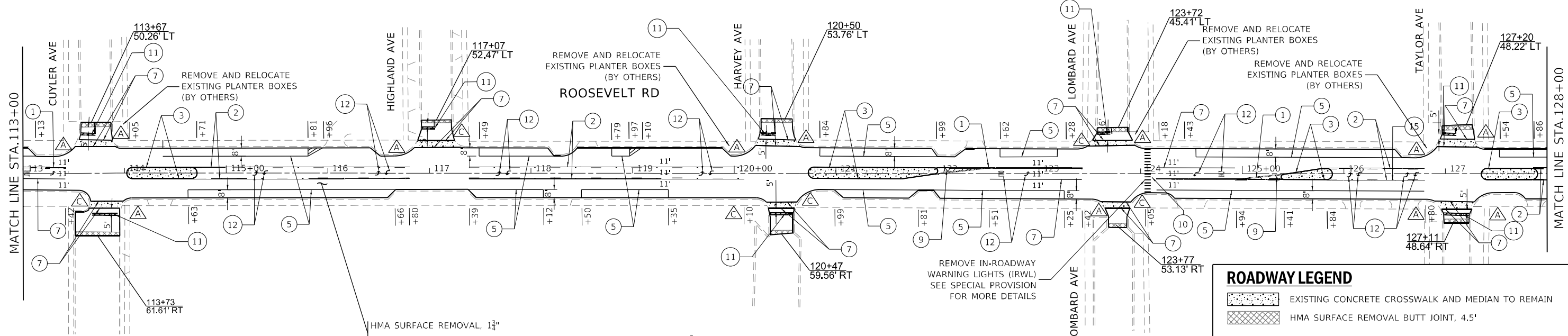


LEGEND

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP
- ③ THPL PAVT MK LINE 4", SOLID YELLOW LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 4", SOLID WHITE LINE
- ⑥ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑧ THPL PAVT MK LINE 6", SKIP DASH WHITE TAPER LINE, 2' DASH - 6' SKIP
- ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM)
- ⑩ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING)
- ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR
- ⑫ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑬ THPL PAVT MK LINE 24", (WHITE CROSSWALK @ 2' CLEAR SPACING)
- ⑭ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 6' DASH - 18' SKIP
- ⑮ PROPOSED RRP - TWO WAY AMBER MARKERS
- ⑯ PROPOSED RRP - ONE WAY CRYSTAL MARKERS

NOTES:

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
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5. THE EXISTING CONCRETE CROSS-WALKS AND MEDIAN TO REMAIN NEED TO BE PROTECTED FROM BITUMINOUS MATERIALS



ROADWAY LEGEND

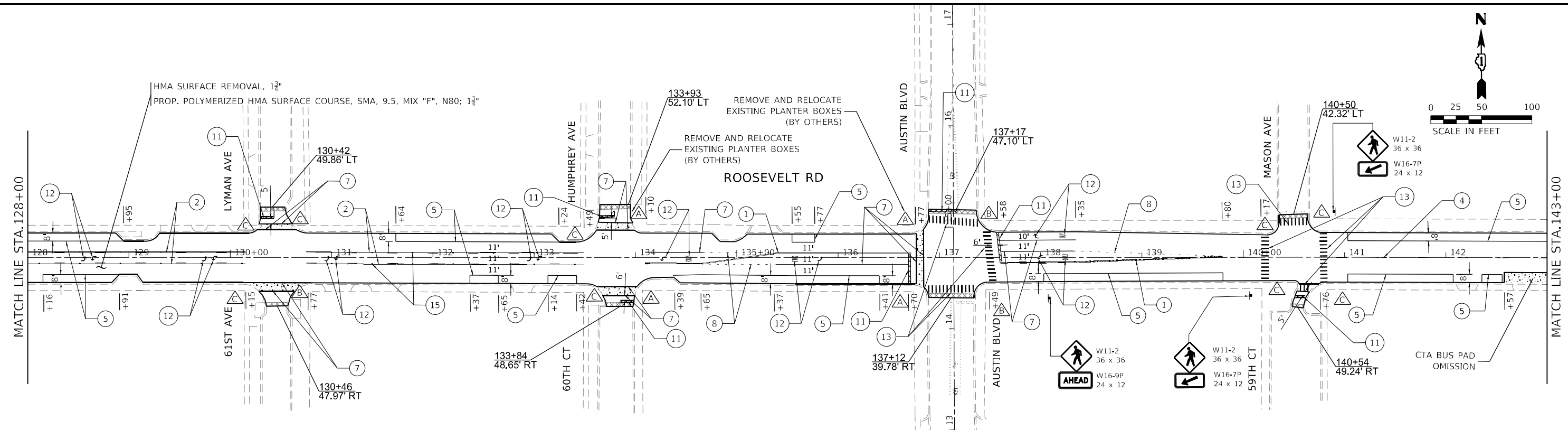
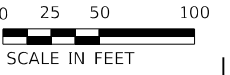
- EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

- PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
- EXISTING CURB RAMP TO REMAIN. REPLACE DETECTABLE WARNING
- EXISTING CURB RAMP TO REMAIN

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 OSEH inc. 401 S CARLTON AVE SUITE 300 WHEATON, IL 60187 WWW.OSEHINC.COM

	USER NAME = ChSengCheong	DESIGNED - SSM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)	F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 11	
	PLOT SCALE = 100,0000' / in.	CHECKED - MM	REVISED -			SCALE: 1" = 50'	SHEET 4 OF 8 SHEETS	STA. 98+00 TO STA. 128+00	CONTRACT NO. 62N79		ILLINOIS FED. AID PROJECT
	PLOT DATE = 11/18/2022	DATE - 11/18/2022	REVISED -								

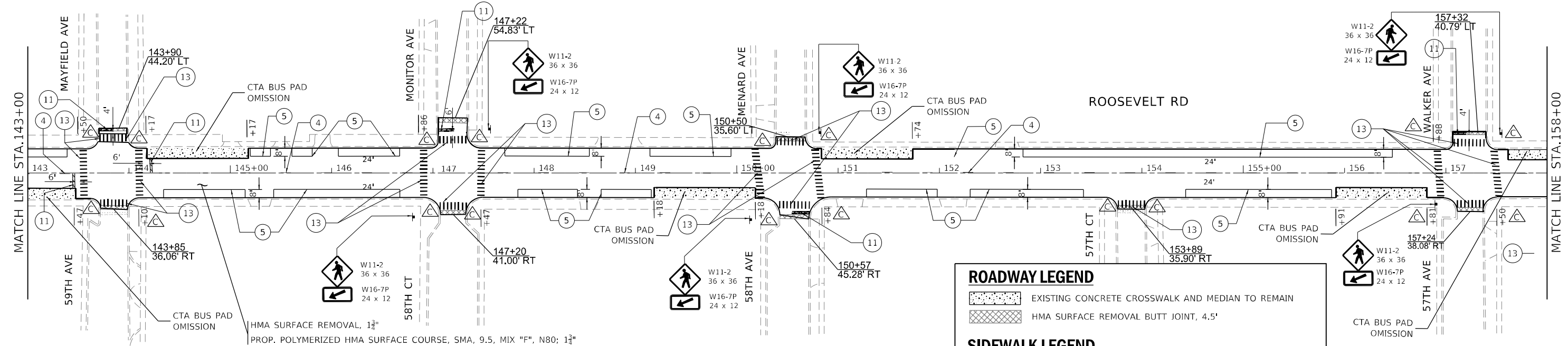


LEGEND

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP
- ③ THPL PAVT MK LINE 4", SOLID YELLOW LINE
- ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP
- ⑤ THPL PAVT MK LINE 4", SOLID WHITE LINE
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- ⑭ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 6' DASH - 18' SKIP
- ⑮ PROPOSED RRPm - TWO WAY AMBER MARKERS
- ⑯ PROPOSED RRPm - ONE WAY CRYSTAL MARKERS

NOTES:

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
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5. THE EXISTING CONCRETE CROSS-WALKS AND MEDIAN TO REMAIN NEED TO BE PROTECTED FROM BITUMINOUS MATERIALS



ROADWAY LEGEND

- EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

- PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
- EXISTING CURB RAMP TO REMAIN. REPLACE DETECTABLE WARNING
- EXISTING CURB RAMP TO REMAIN

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 OSEH inc. 401 S CARLTON AVE SUITE 300 WHEATON, IL 60187 WWW.OSEHINC.COM

	USER NAME = ChSengCheong	DESIGNED - SSM	REVISED -
	PLOT SCALE = 100,0000' / in.	DRAWN - KLN	REVISED -
	PLOT DATE = 12/1/2022	CHECKED - MM	REVISED -
		DATE - 12/1/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)
 SCALE: 1" = 50' SHEET 5 OF 8 SHEETS STA. 128+00 TO STA. 158+00

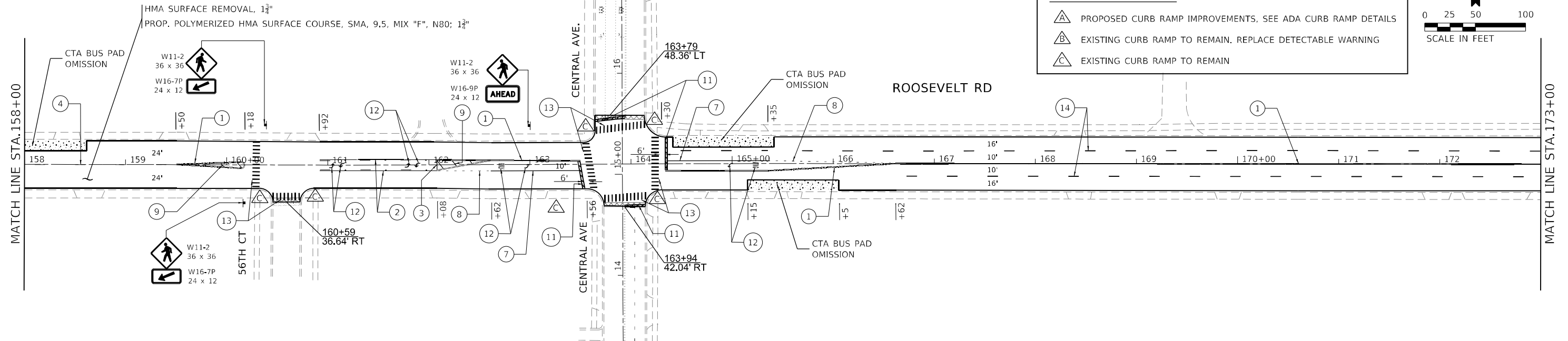
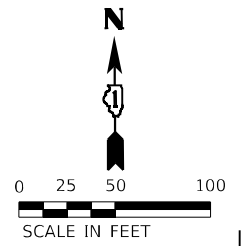
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	12
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

ROADWAY LEGEND

- EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

- PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
- EXISTING CURB RAMP TO REMAIN, REPLACE DETECTABLE WARNING
- EXISTING CURB RAMP TO REMAIN

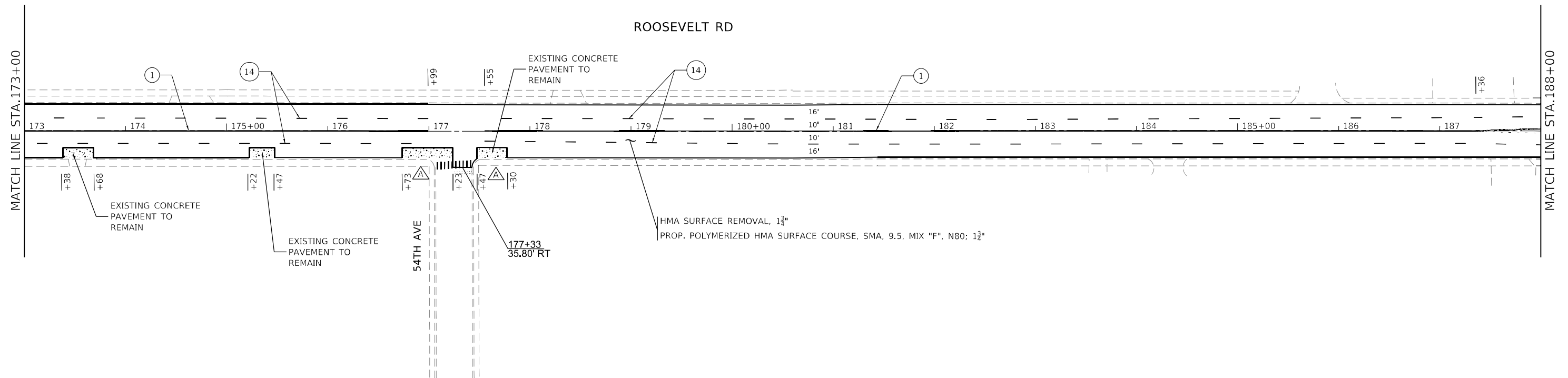


LEGEND

- | | |
|--|--|
| <ul style="list-style-type: none"> ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5½" C-C, 10' DASH - 30' SKIP ③ THPL PAVT MK LINE 4", SOLID YELLOW LINE ④ THPL PAVT MK LINE 4", SKIP DASH YELLOW LINE, 10' DASH - 30' SKIP ⑤ THPL PAVT MK LINE 4", SOLID WHITE LINE ⑥ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP ⑦ THPL PAVT MK LINE 6", SOLID WHITE LINE ⑧ THPL PAVT MK LINE 6", SKIP DASH WHITE TAPER LINE, 2' DASH - 6' SKIP | <ul style="list-style-type: none"> ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM) ⑩ THPL PAVT MK LINE 12", (WHITE CROSSWALK @ 2' CLEAR SPACING) ⑪ THPL PAVT MK LINE 24", SOLID WHITE STOP BAR ⑫ THPL PAVT MK, LETTERS AND SYMBOLS ⑬ THPL PAVT MK LINE 24", (WHITE CROSSWALK @ 2' CLEAR SPACING) ⑭ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 6' DASH - 18' SKIP ⑮ PROPOSED RRPM - TWO WAY AMBER MARKERS ⑯ PROPOSED RRPM - ONE WAY CRYSTAL MARKERS |
|--|--|

NOTES:

1. LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
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OSEH inc.
 401 S CARLTON AVE
 SUITE 300
 WHEATON, IL 60187
 WWW.OSEHINC.COM

USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -
DRAWN - KLN	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - MM	REVISED -
PLOT DATE = 12/1/2022	DATE - 12/1/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)**

SCALE: 1" = 50' SHEET 6 OF 8 SHEETS STA. 158+00 TO STA. 188+00

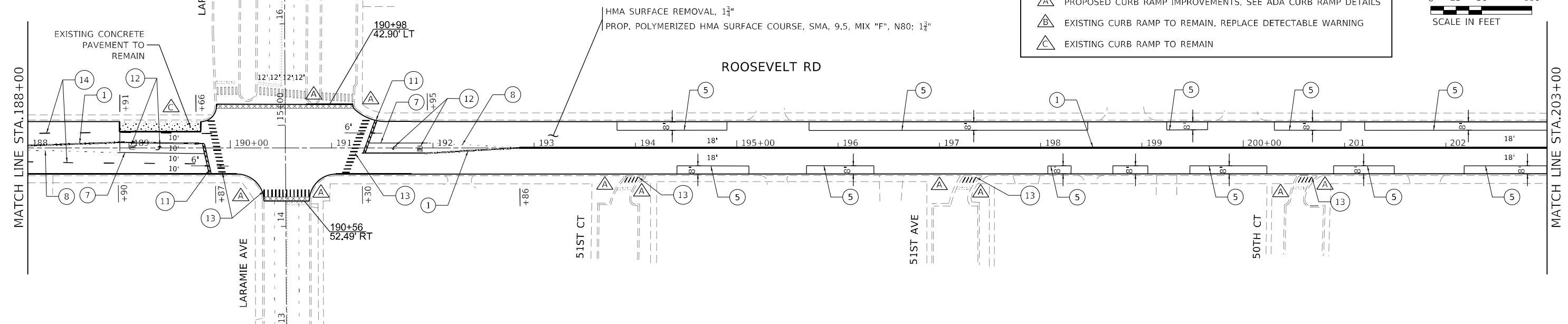
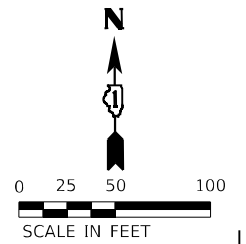
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	13
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

ROADWAY LEGEND

- EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

- PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
- EXISTING CURB RAMP TO REMAIN. REPLACE DETECTABLE WARNING
- EXISTING CURB RAMP TO REMAIN

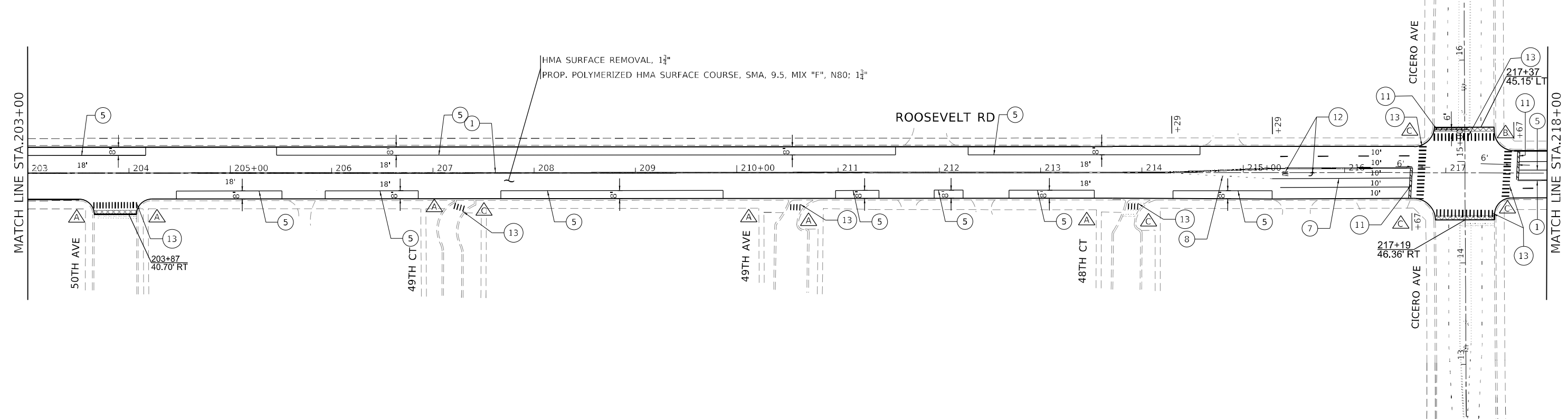


LEGEND

- ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE
- ② THPL PAVT MK LINE 4", ONE SOLID, ONE SKIP DASH YELLOW LINES @ 5 1/2" C-C, 10' DASH - 30' SKIP
- ③ THPL PAVT MK LINE 4", SOLID YELLOW LINE
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- ⑮ PROPOSED RRP - TWO WAY AMBER MARKERS
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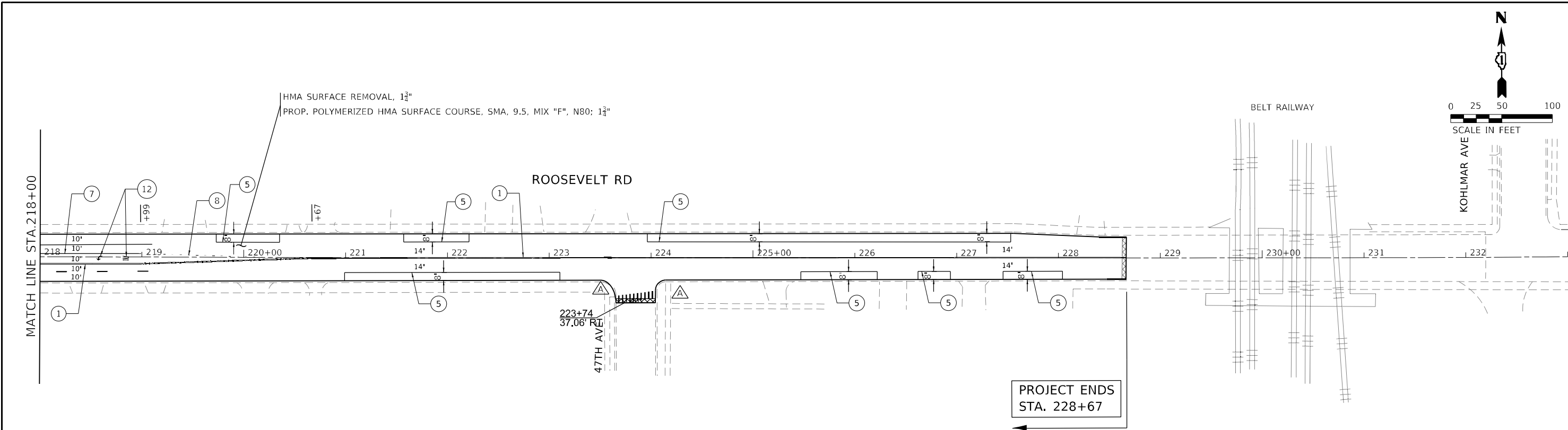
NOTES:

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	USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)	F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 14
	PLOT SCALE = 100,0000' / in.	CHECKED - MM	REVISIED -			SCALE: 1" = 50'	SHEET 7 OF 8 SHEETS	STA. 188+00 TO STA. 218+00	CONTRACT NO. 62N79	
	PLOT DATE = 12/1/2022	DATE - 12/1/2022	REVISIED -							



LEGEND

- | | |
|--|---|
| ① THPL PAVT MK LINE 4", DOUBLE SOLID YELLOW CENTERLINE | ⑨ THPL PAVT MK LINE 12", SOLID YELLOW DIAGONAL, 45° (5 LINES MINIMUM) |
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ROADWAY LEGEND

- EXISTING CONCRETE CROSSWALK AND MEDIAN TO REMAIN
- HMA SURFACE REMOVAL BUTT JOINT, 4.5'

SIDEWALK LEGEND

- PROPOSED CURB RAMP IMPROVEMENTS, SEE ADA CURB RAMP DETAILS
- EXISTING CURB RAMP TO REMAIN. REPLACE DETECTABLE WARNING
- EXISTING CURB RAMP TO REMAIN

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 USER: ChiSengCheong
 DATE: 12/1/2022

OSEH inc.
 401 S CARLTON AVE
 SUITE 300
 WHEATON, IL 60187
 WWW.OSEHINC.COM

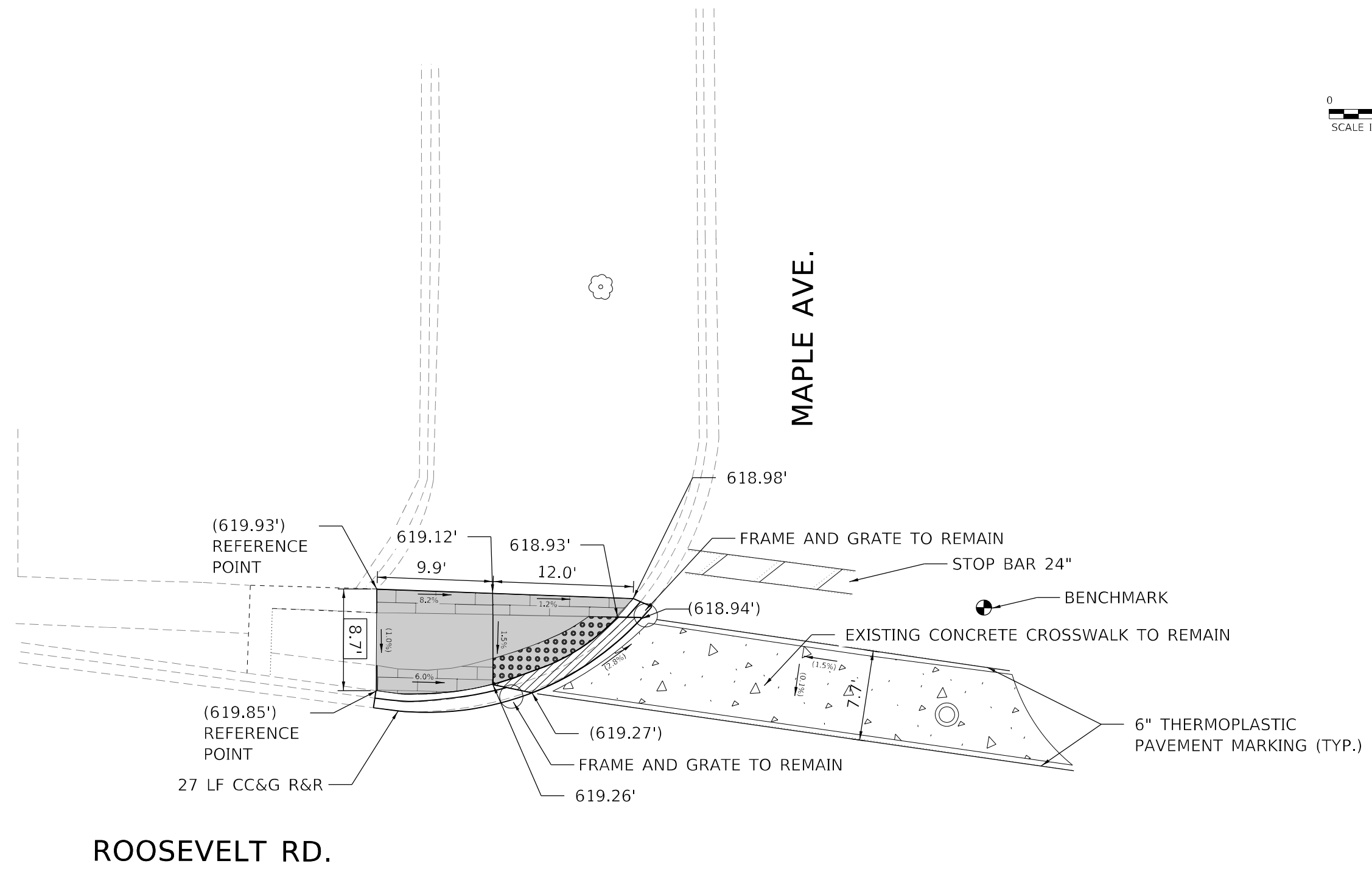
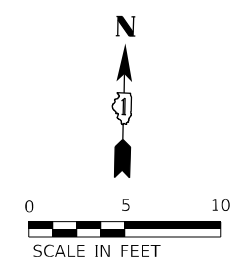
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DRAWN - KLN	CHECKED - MM	REVISED -
PLOT SCALE = 100,0000 ' / in.	DATE - 12/1/2022	REVISED -
PLOT DATE = 12/1/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 ROOSEVELT RD (DES PLAINES AVE TO BELT RAILWAY)**

SCALE: 1" = 50' SHEET 8 OF 8 SHEETS STA. 218+00 TO STA. 228+67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	15
CONTRACT NO. 62N79			ILLINOIS FED. AID PROJECT	



REFERENCE BENCHMARK #251, ELEV. 621.22'
 LOCATION: NE CORNER OF ROOSEVELT RD AT MAPLE AVE.
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- BENCHMARK
- EXISTING CONCRETE CROSSWALK TO REMAIN
- 6" THERMOPLASTIC PAVEMENT MARKING (TYP.)
- 27 LF CC&G R&R
- FRAME AND GRATE TO REMAIN
- FRAME AND GRATE TO REMAIN
- STOP BAR 24"
- BENCHMARK
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH
- PROPOSED LENGTH

MODEL: Default
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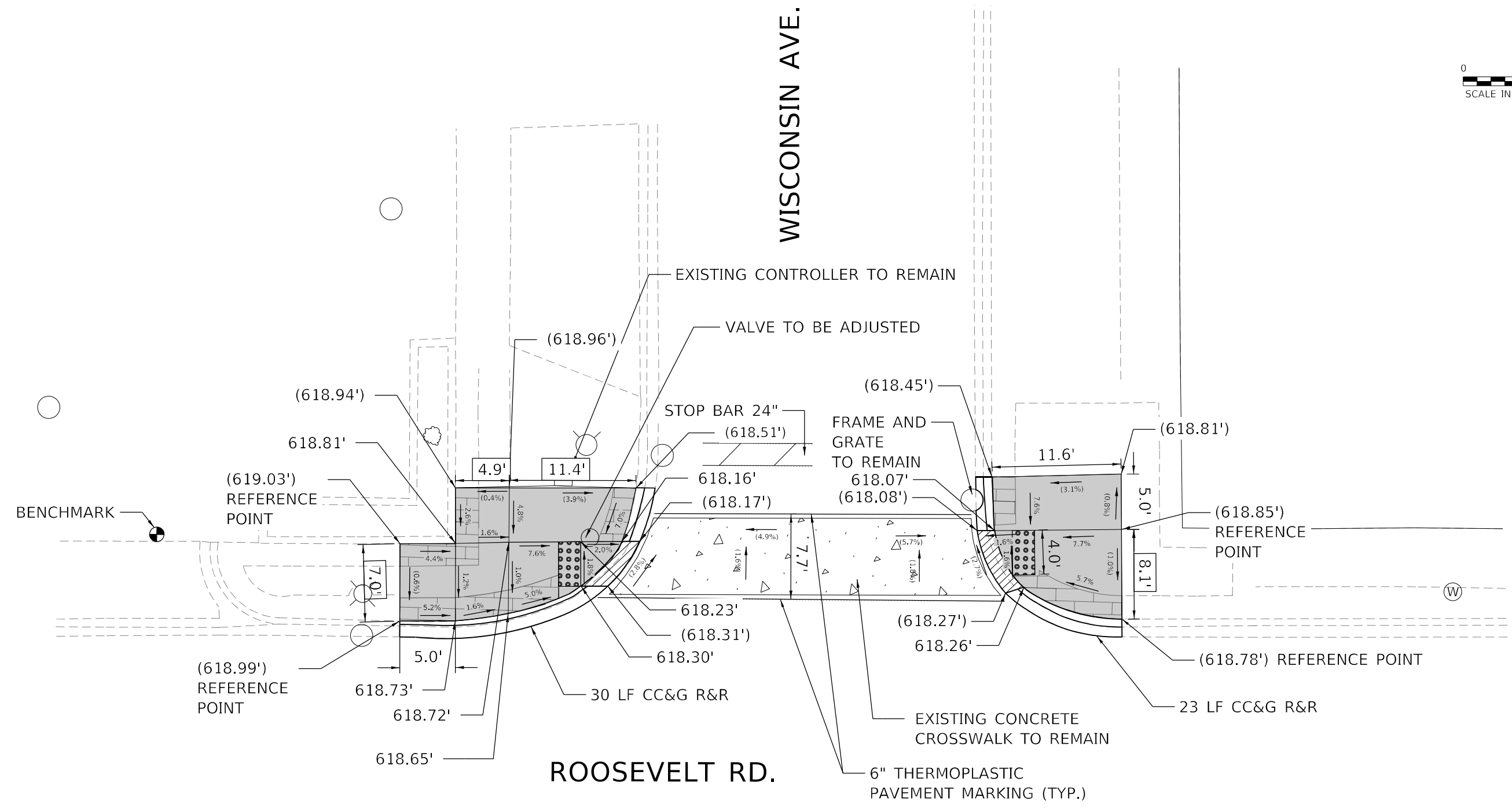
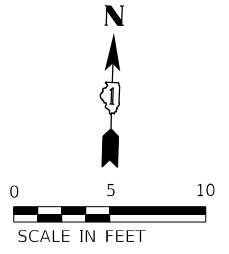
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PLOT SCALE = 10,0000 * / in.	DATE - 11/18/2022	REVISED -
PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT MAPLE AVE.**

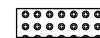





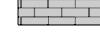



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	16
CONTRACT NO. 62N79			ILLINOIS FED. AID PROJECT	



REFERENCE BENCHMARK #485, ELEV. 620.25'
 LOCATION: NW CORNER OF ROOSEVELT RD AT WISCONSIN AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  DEPRESSED CURB AND GUTTER
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

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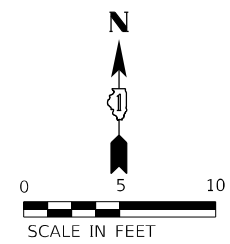


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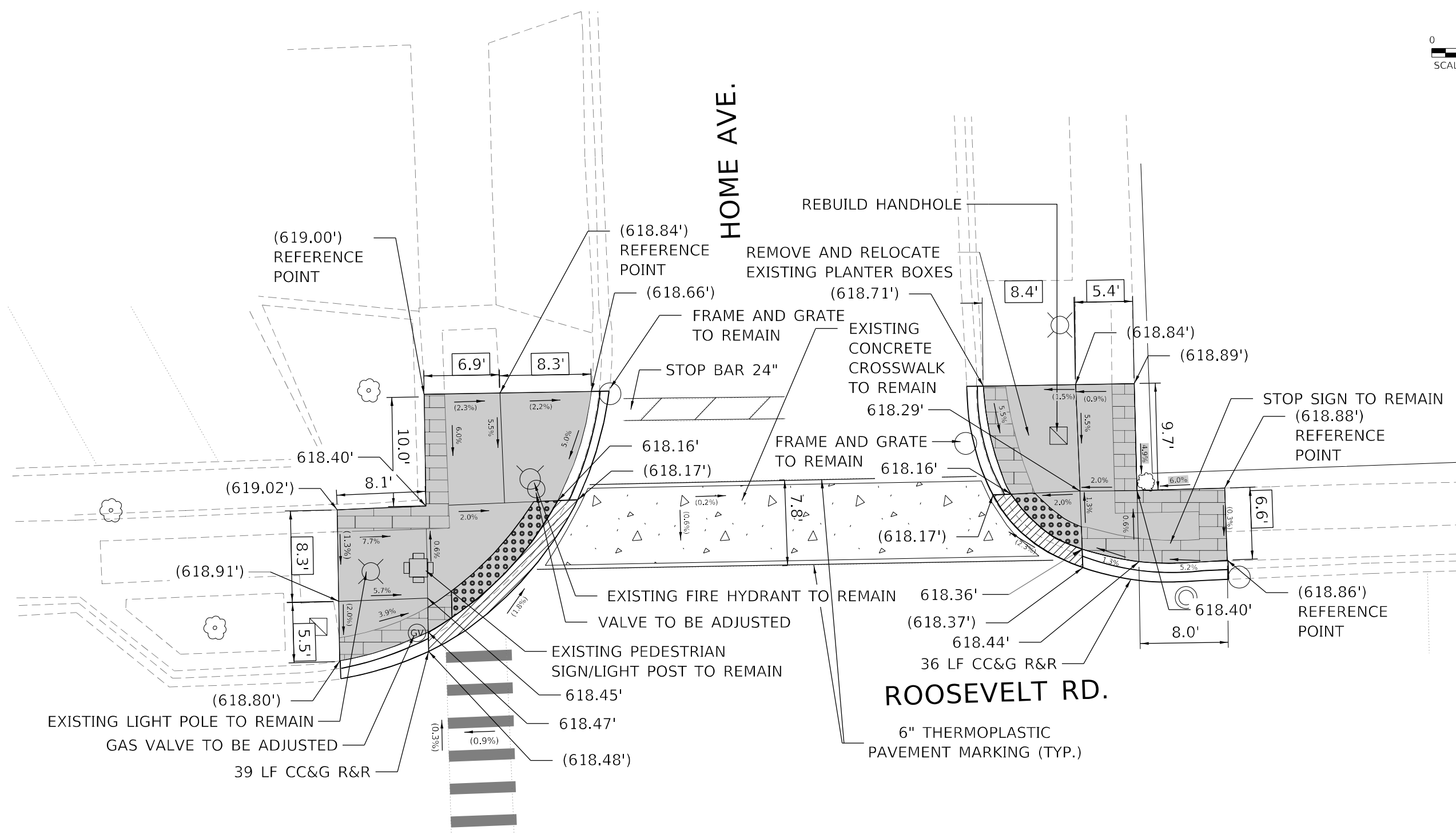
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA CURB RAMP IMPROVEMENT PLAN ROOSEVELT RD. AT WISCONSIN AVE.	
SCALE: 1" = 10'	SHEET 02 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N79	



HOME AVE.



REFERENCE BENCHMARK #867, ELEV. 619.92'
 LOCATION: NE CORNER OF ROOSEVELT RD AT HOME AVE
 BENCHMARK: SW CORNER OF LIGHT CONTROL SQUARE

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- DEPRESSED CURB AND GUTTER
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- XX.XX'
- XX.XX'

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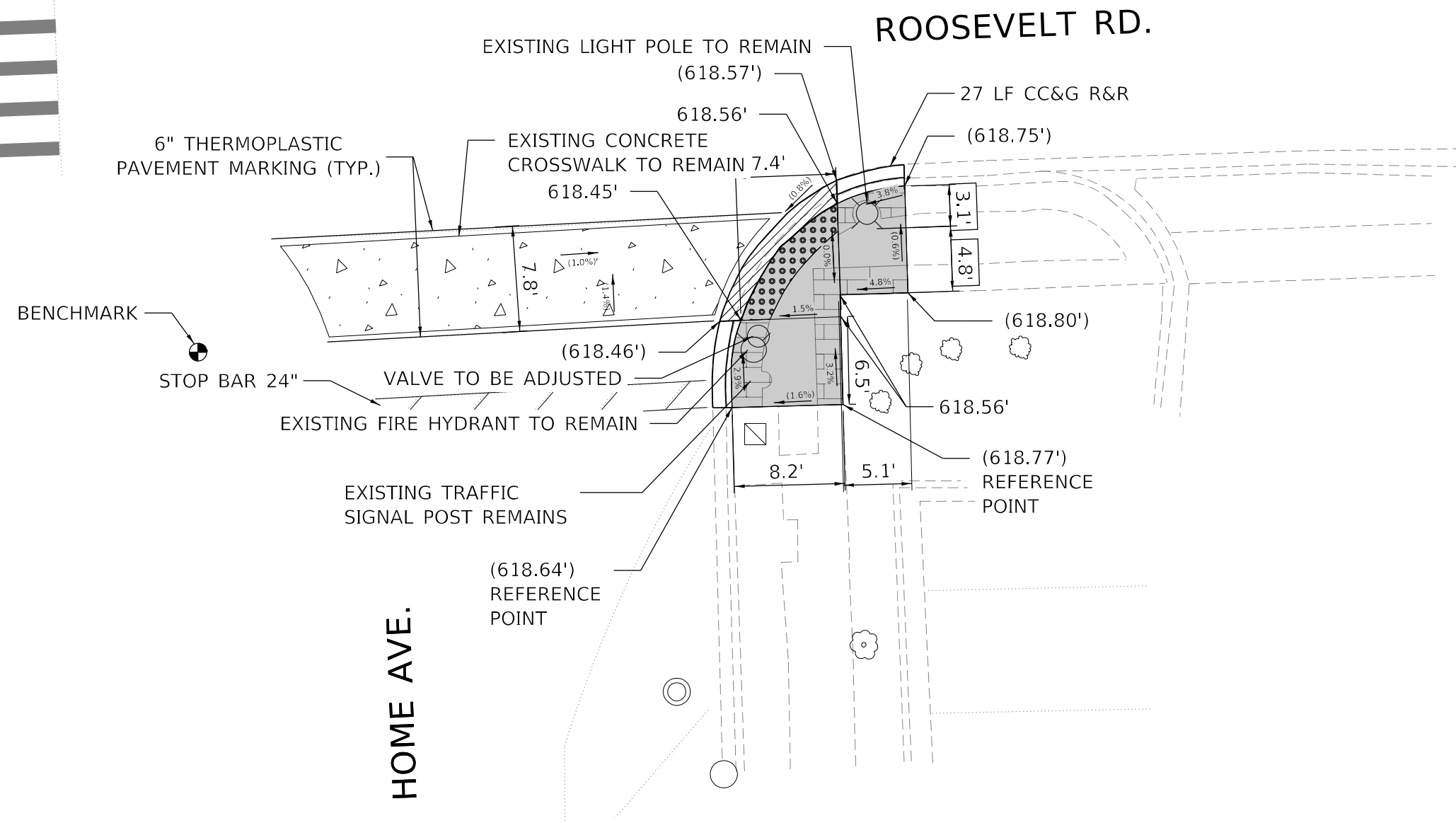
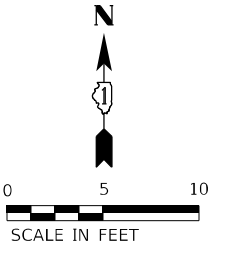
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT HOME AVE.

SCALE: 1" = 10' SHEET 03 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	18
CONTRACT NO. 62N79				

ILLINOIS FED. AID PROJECT



REFERENCE BENCHMARK #867, ELEV. 619.92'
 LOCATION: NE CORNER OF ROOSEVELT RD AT HOME AVE
 BENCHMARK: SW CORNER OF LIGHT CONTROL SQUARE

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH
- PROPOSED LENGTH

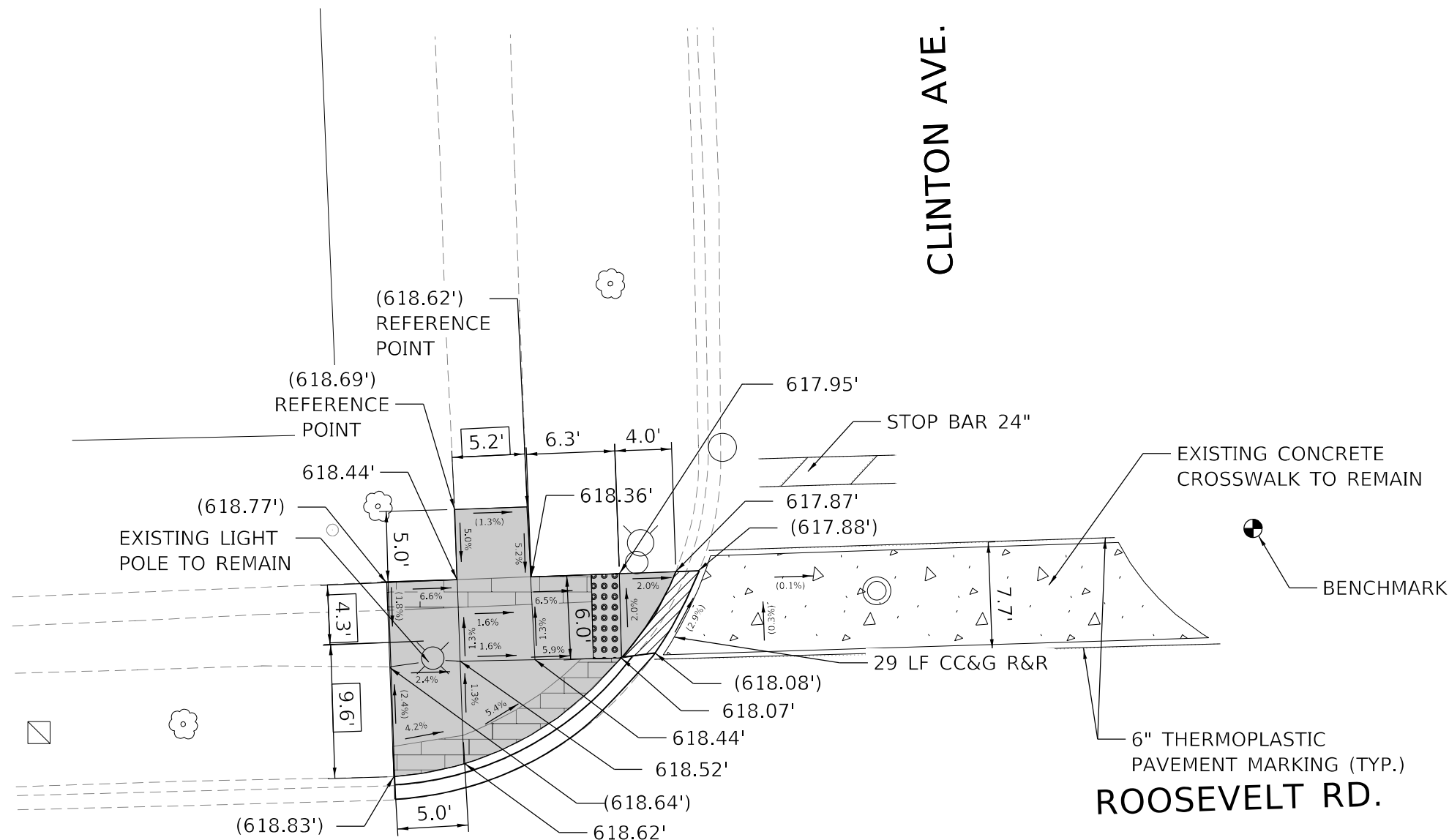
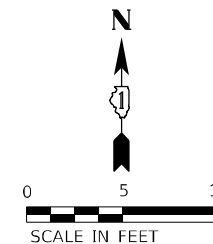
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 OSEH inc. 401 S CARLTON AVE SUITE 201 WHEATON, IL 60187 WWW.OSEHINC.COM

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT HOME AVE.**

SCALE: 1" = 10' SHEET 04 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	19
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

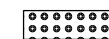


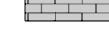








REFERENCE BENCHMARK #1846, ELEV. 619.95'

LOCATION: NW CORNER OF ROOSEVELT RD AT CLINTON AVE

BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B
-  () EXISTING ELEVATION/SLOPE
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

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OSEH inc.
 401 S CARLTON AVE
 SUITE 201
 WHEATON, IL 60187
 WWW.OSEHINC.COM

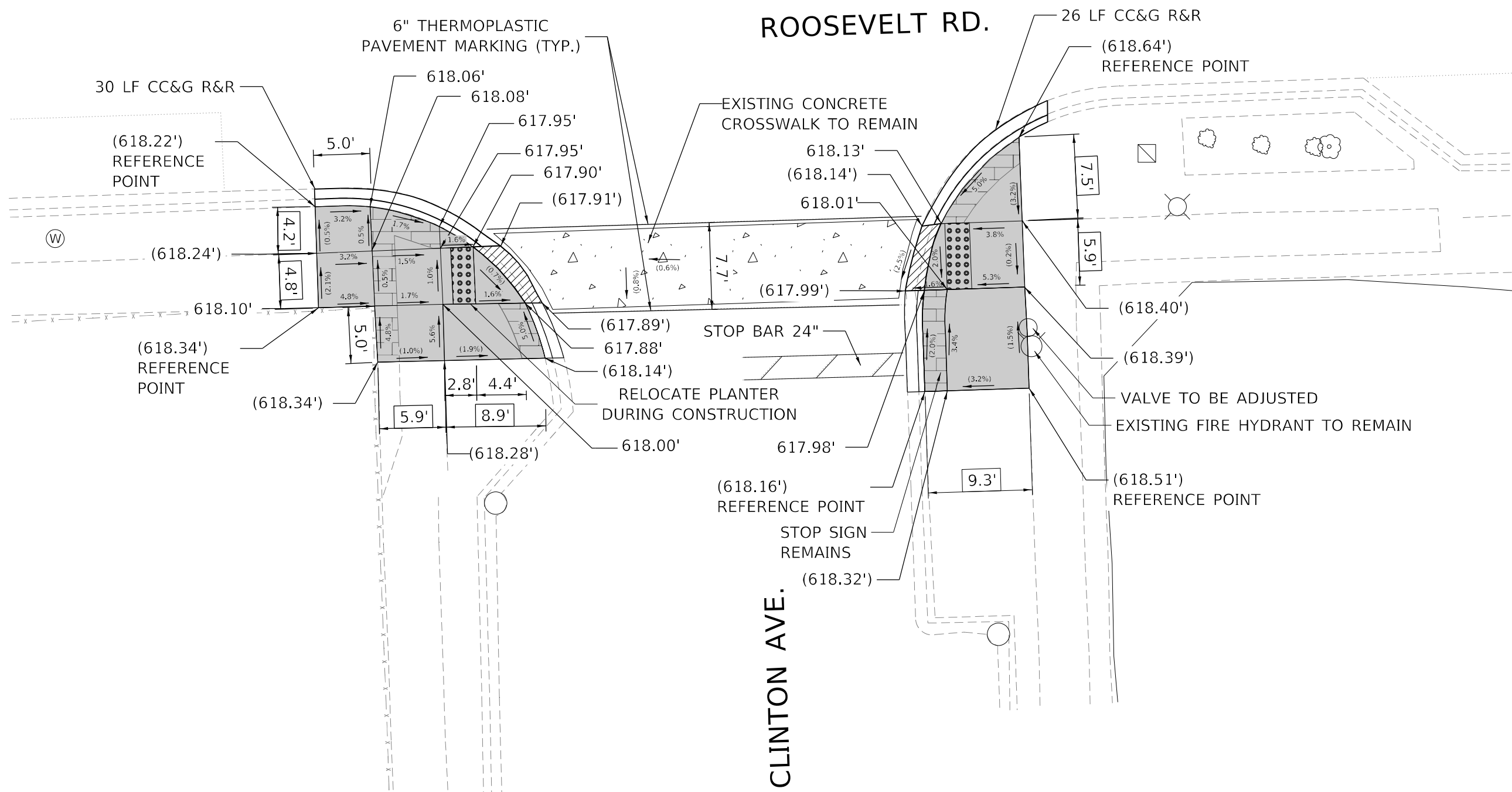
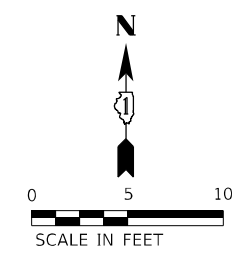
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT CLINTON AVE.**

SCALE: 1" = 10' SHEET 05 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	20
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK #1846, ELEV. 619.95'
 LOCATION: NW CORNER OF ROOSEVELT RD AT CLINTON AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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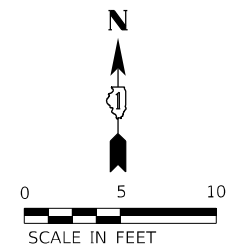
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

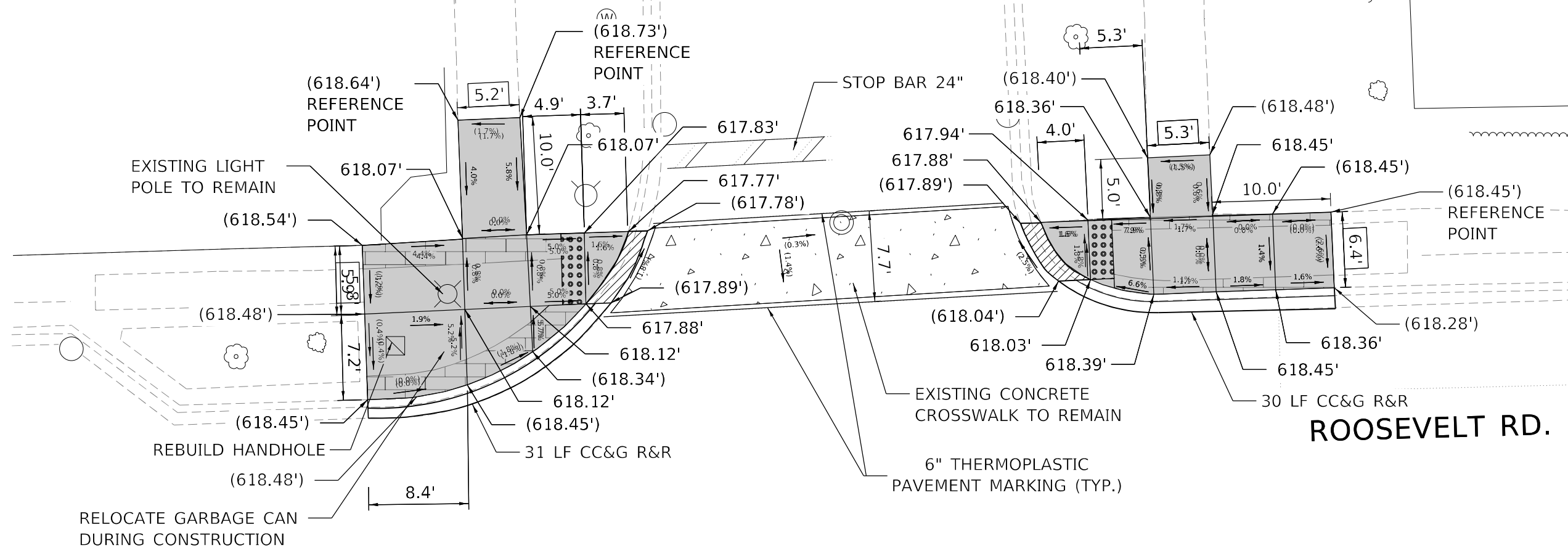
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 ROOSEVELT RD. AT CLINTON AVE.**

SCALE: 1" = 10' SHEET 06 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	21
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



KENILWORTH AVE.



LOCATION: SE CORNER OF ROOSEVELT RD AT KENILWORTH AVE

BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH
- PROPOSED LENGTH

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT KENILWORTH AVE.**

SCALE: 1" = 10' SHEET 07 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	22
CONTRACT NO. 62N79				

ILLINOIS FED. AID PROJECT

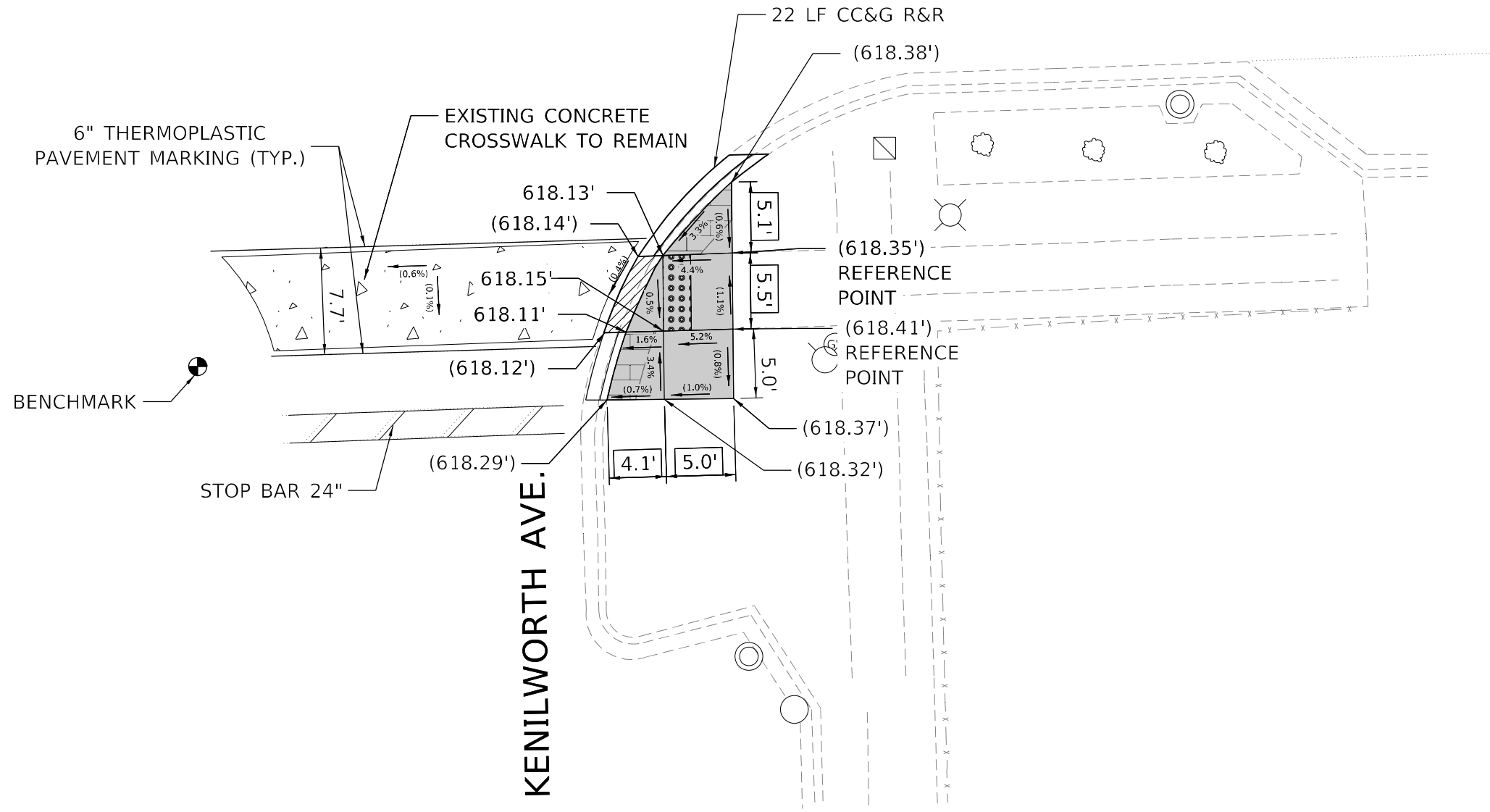
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OSEH inc.
401 S CARLTON AVE
SUITE 201
WHEATON, IL 60187
WWW.OSEHINC.COM

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ROOSEVELT RD.



REFERENCE BENCHMARK #2267, ELEV. 619.49'
 LOCATION: SE CORNER OF ROOSEVELT RD AT KENILWORTH AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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 OSEH inc. 401 S CARLTON AVE SUITE 201 WHEATON, IL 60187 WWW.OSEHINC.COM

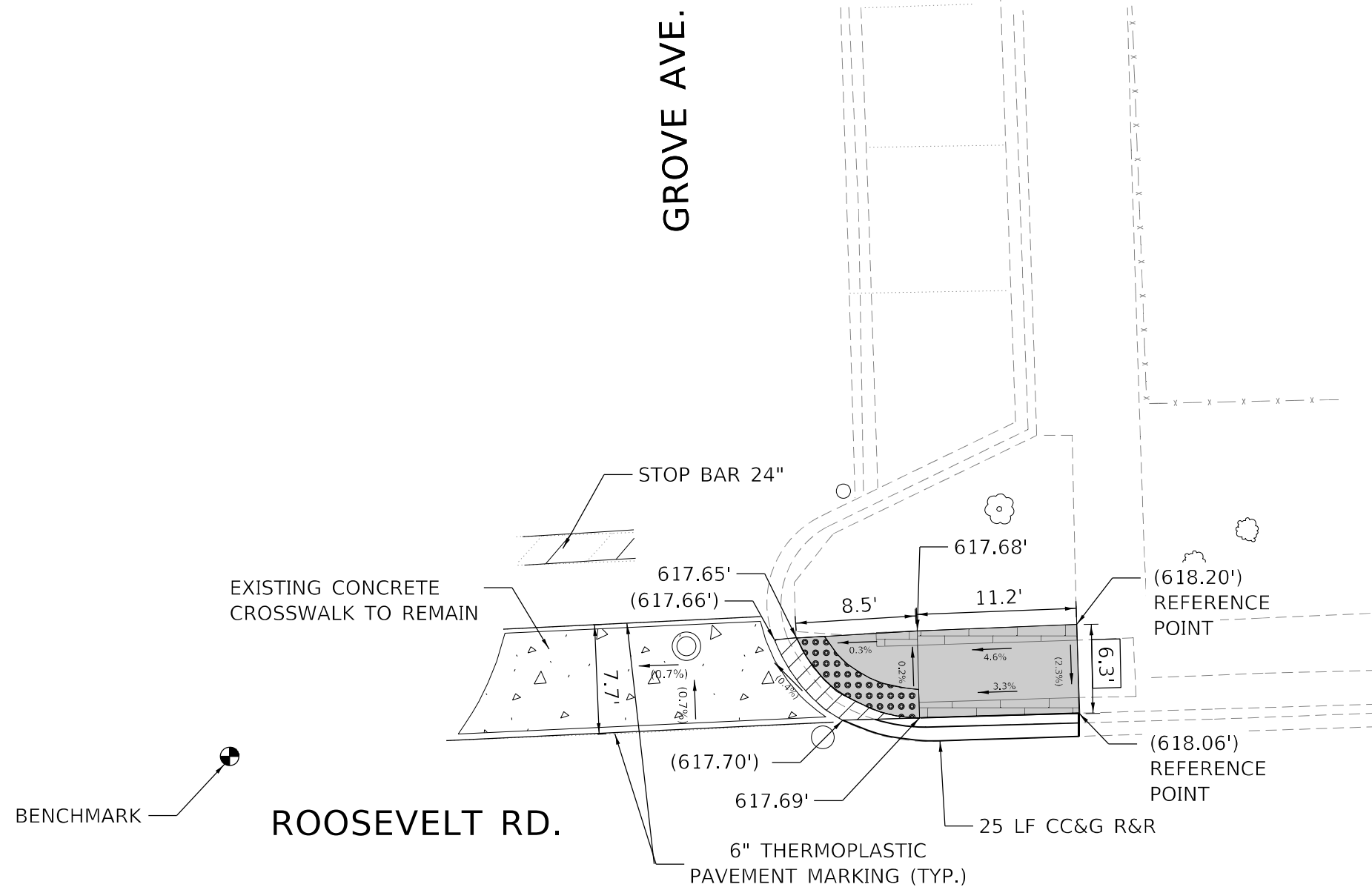
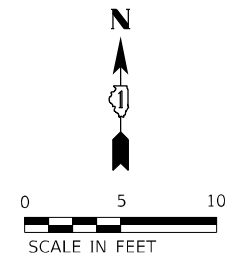
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT KENILWORTH AVE.**

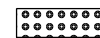

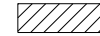



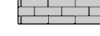



SCALE: 1" = 10' SHEET 08 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	23
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK #2833, ELEV. 619.57'
 LOCATION: NW CORNER OF ROOSEVELT RD AT GROVE AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  DEPRESSED CURB AND GUTTER
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  XX.XX' EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' PROPOSED LENGTH

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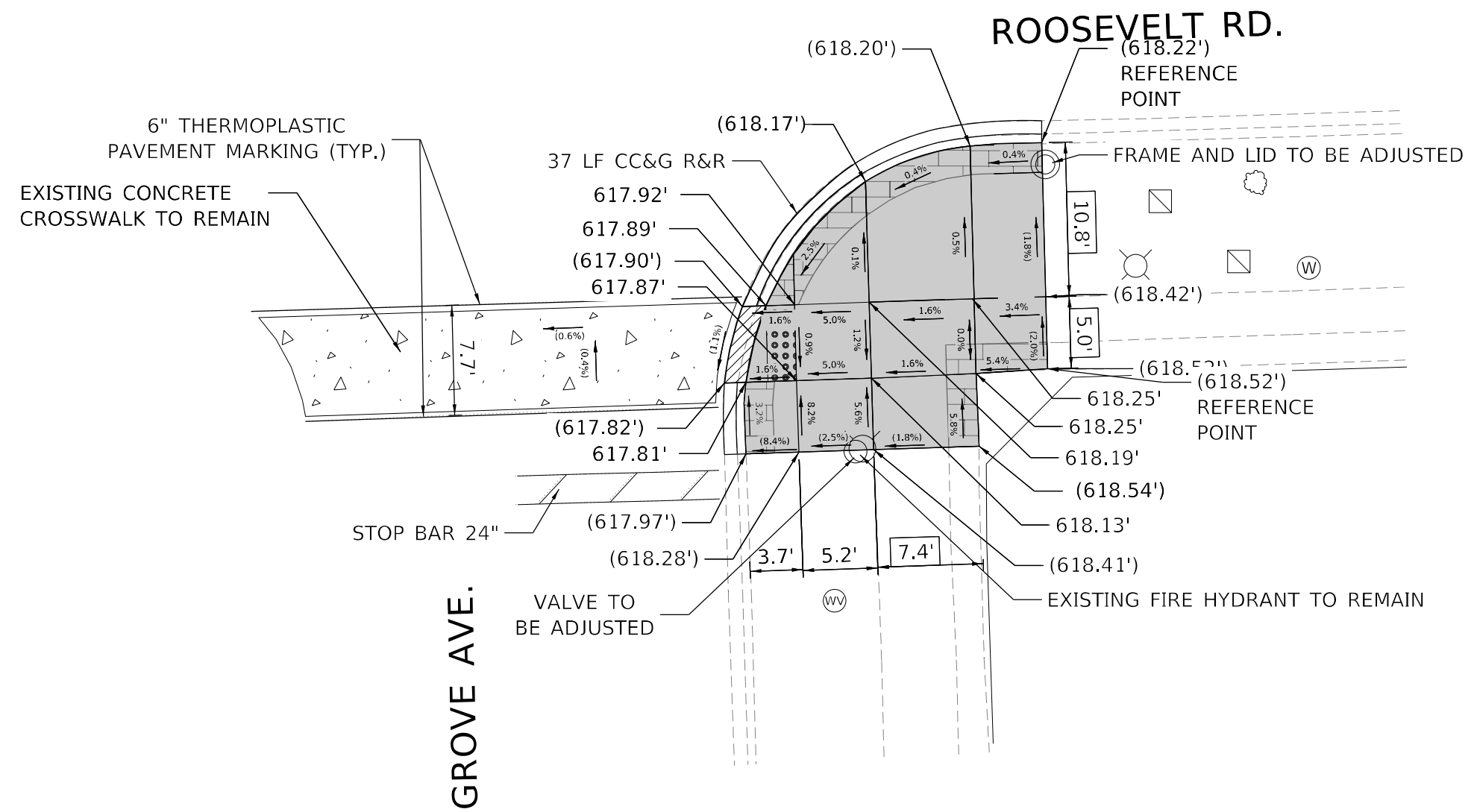
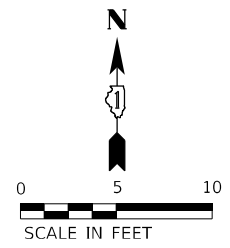
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT GROOVE AVE.**

SCALE: 1" = 10' SHEET 09 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N79	



REFERENCE BENCHMARK #2833, ELEV. 619.57'
 LOCATION: NW CORNER OF ROOSEVELT RD AT GROVE AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH
- PROPOSED LENGTH

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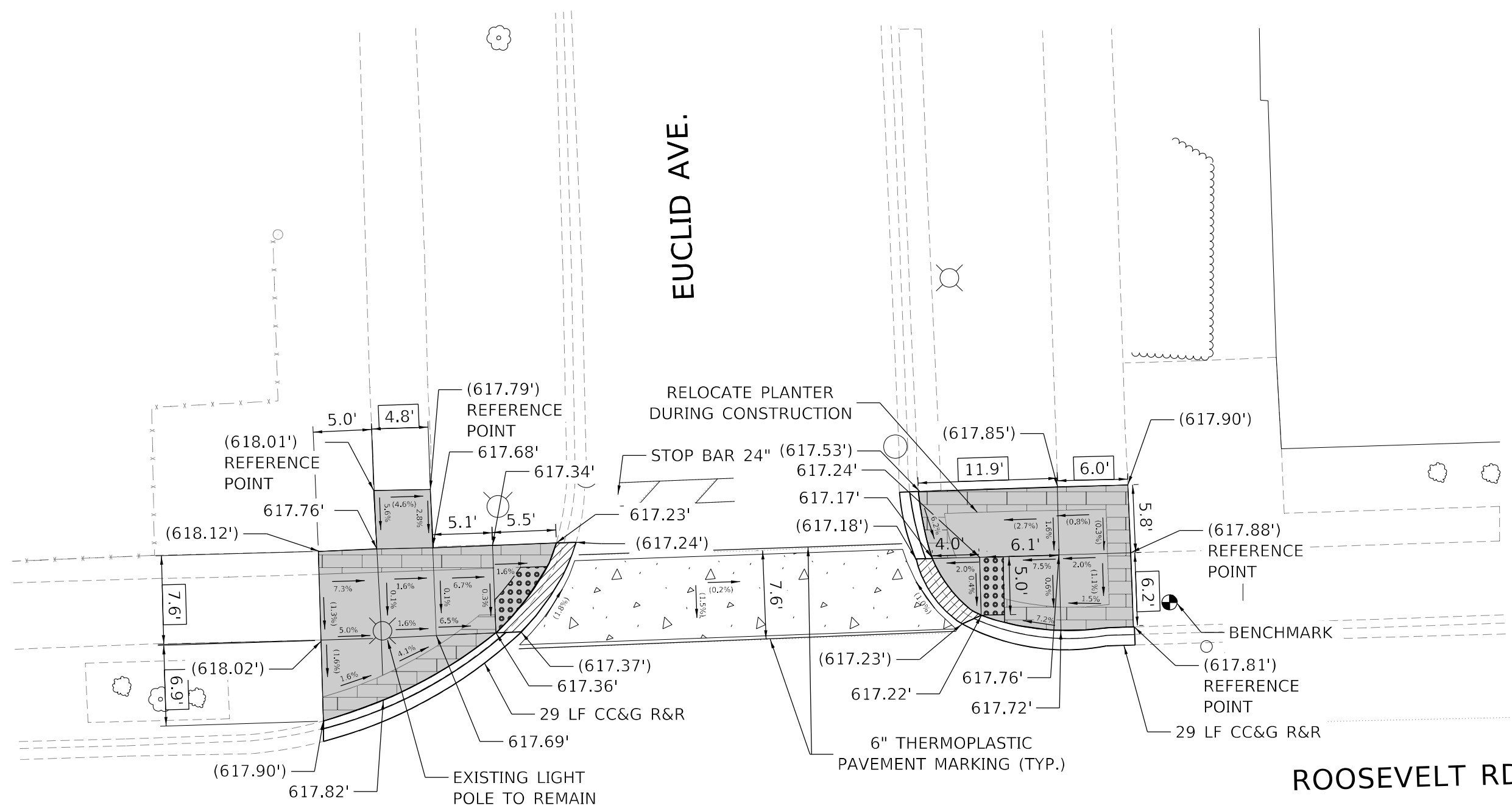
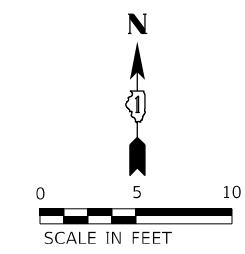
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT GROOVE AVE.**

SCALE: 1" = 10' SHEET 10 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	25
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 11/18/2022		



REFERENCE BENCHMARK #3629, ELEV. 617.95'
 LOCATION: NW CORNER OF ROOSEVELT RD AT EUCLID AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- DEPRESSED CURB AND GUTTER
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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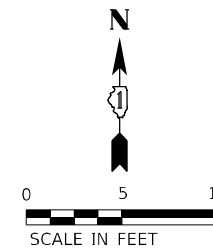
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

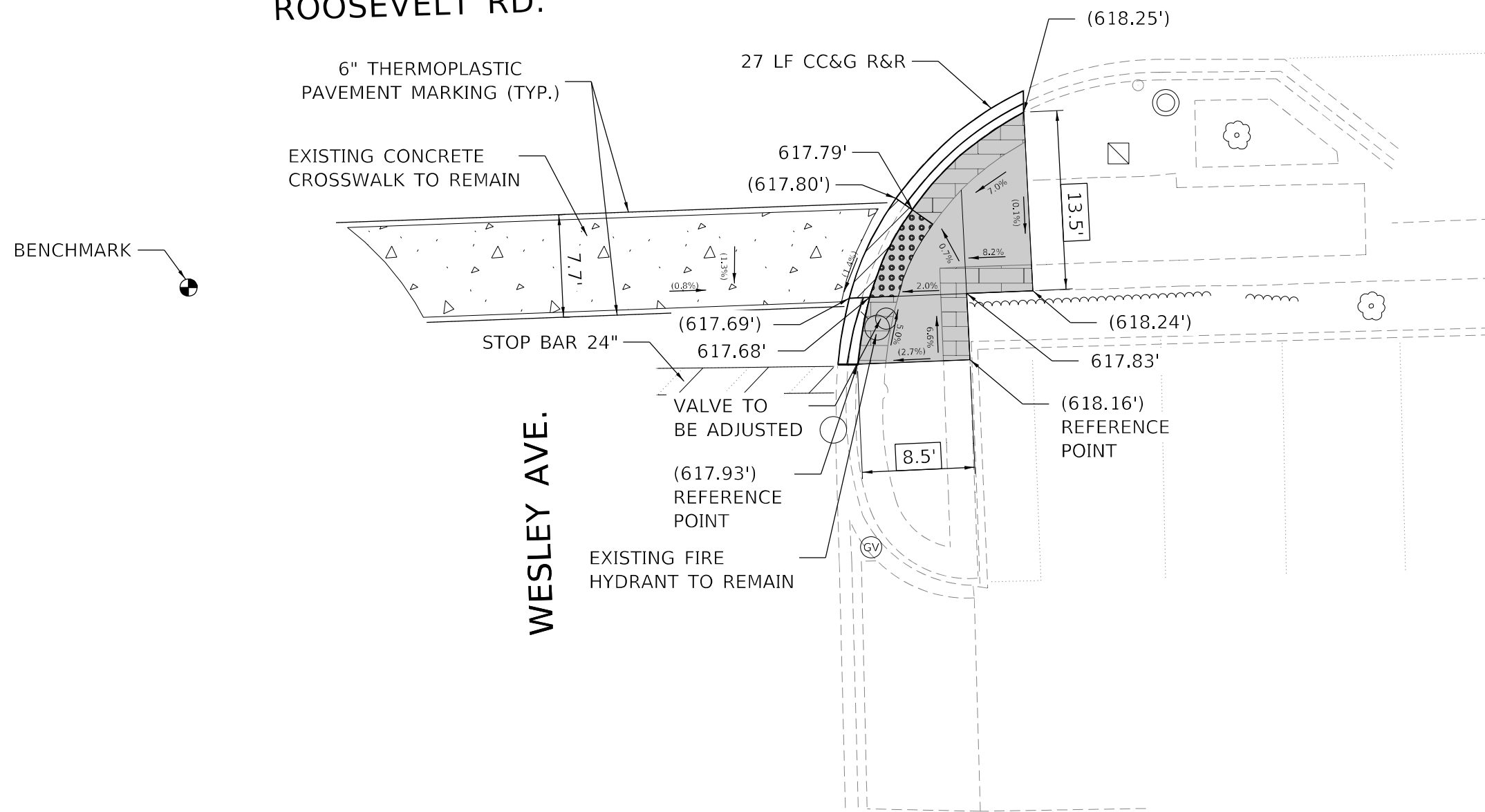
**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT EUCLID AVE.**

SCALE: 1" = 10' SHEET 11 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	26
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



ROOSEVELT RD.



REFERENCE BENCHMARK #3942, ELEV. 618.53'
 LOCATION: SE CORNER OF ROOSEVELT RD AT WESLEY AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- DEPRESSED CURB AND GUTTER
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- XX.XX'
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- XX.XX'

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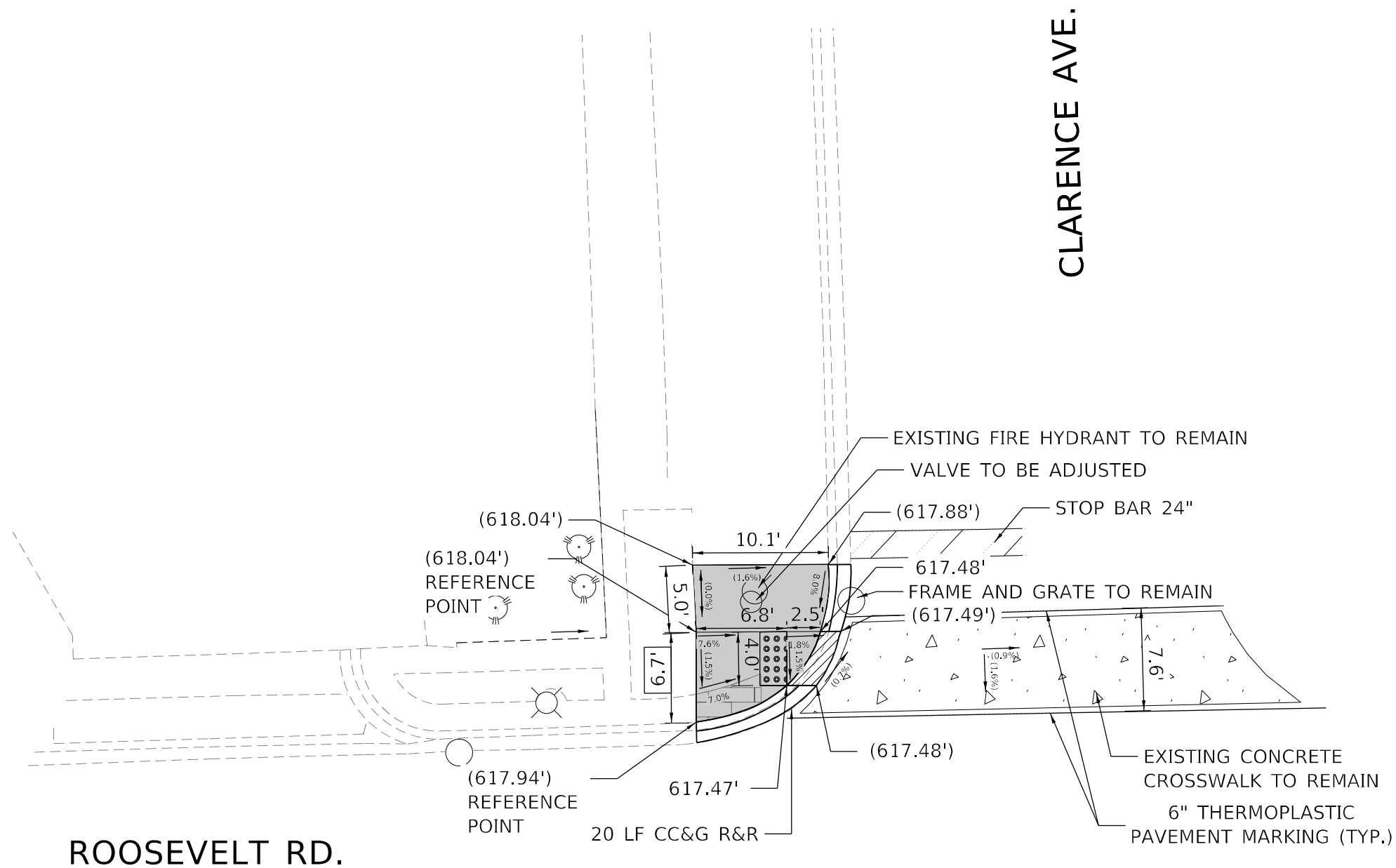
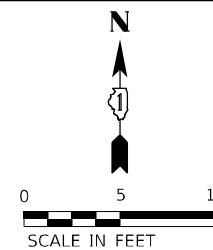
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT WESLEY AVE.**

SCALE: 1" = 10' SHEET 13 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	28
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				













REFERENCE BENCHMARK #3751, ELEV. 618.10'

LOCATION: NW CORNER OF ROOSEVELT RD AT CLARENCE AVE

BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

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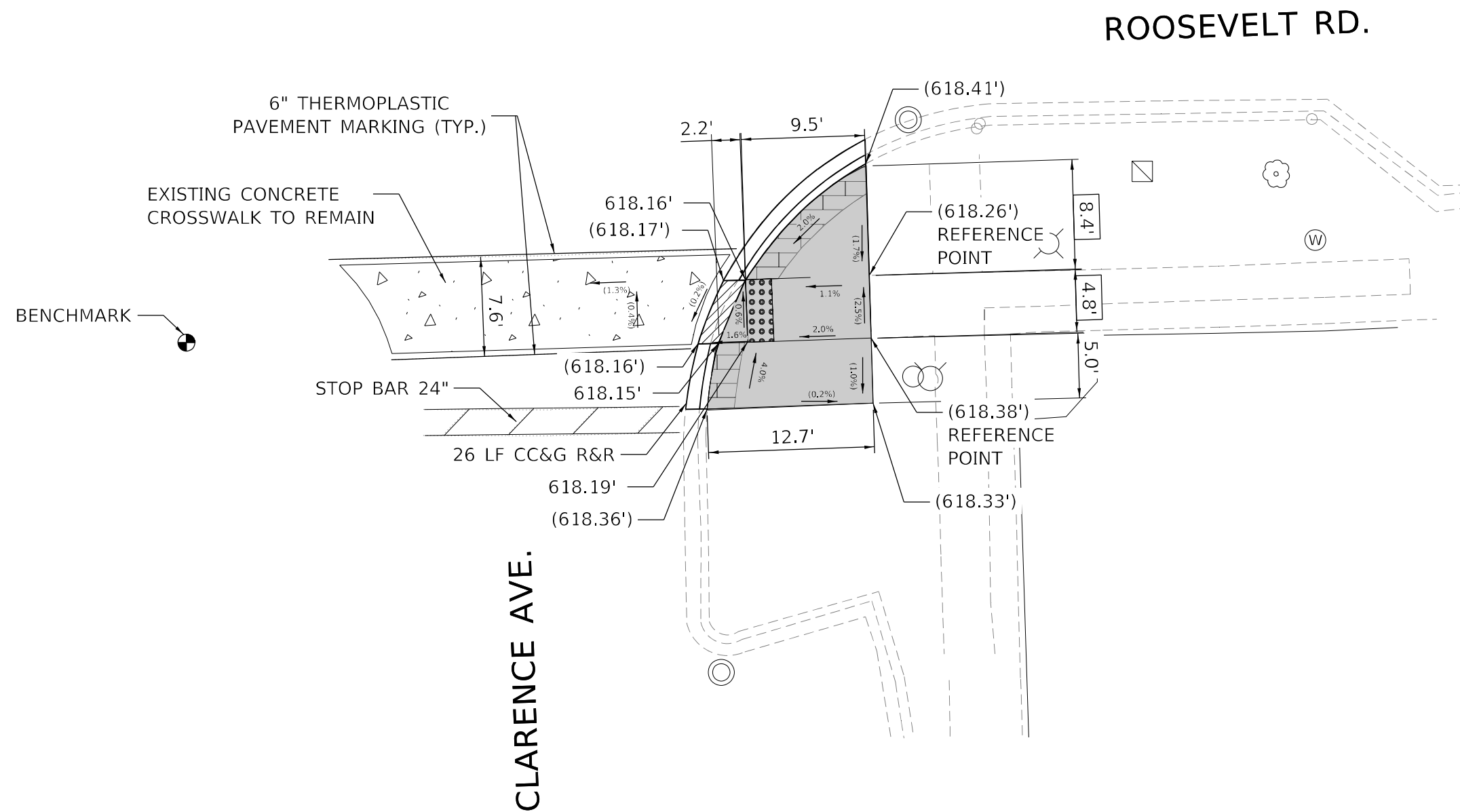
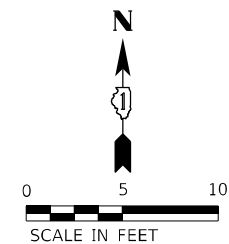
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT CLARENCE AVE.**

SCALE: 1" = 10' SHEET 14 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	29
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

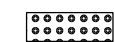



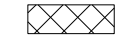

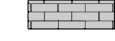





REFERENCE BENCHMARK #3751, ELEV. 618.10'

LOCATION: NW CORNER OF ROOSEVELT RD AT CLARENCE AVE

BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  DEPRESSED CURB AND GUTTER
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  XX.XX' EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' PROPOSED LENGTH

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT CLARENCE AVE.**

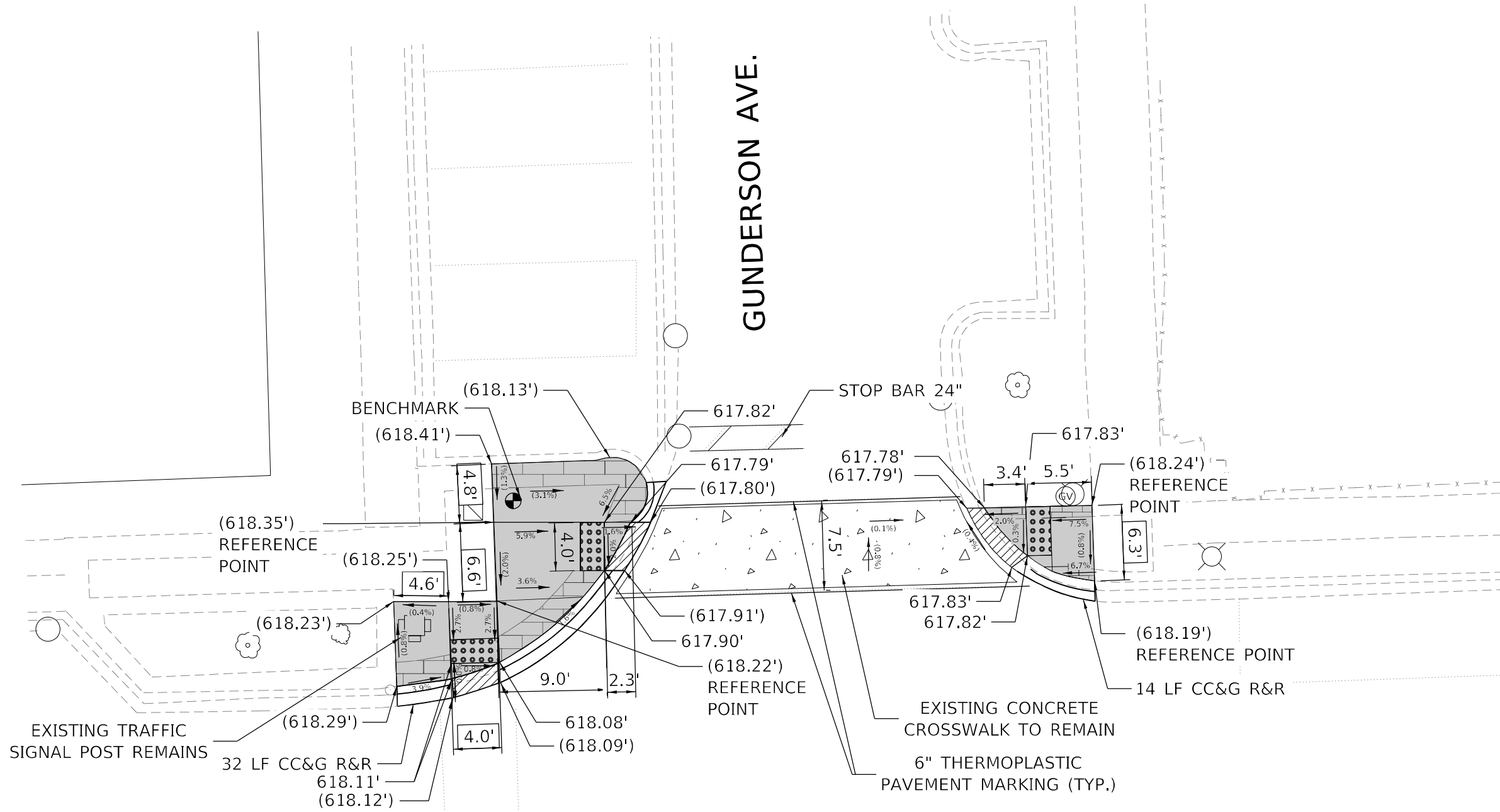
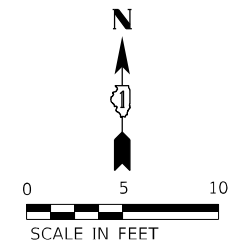
SCALE: 1" = 10' SHEET OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	30
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

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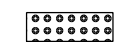









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PLOT DATE = 11/18/2022	DATE - 11/18/2022	REVISED -	



GUNDERSON AVE.

REFERENCE BENCHMARK #4612, ELEV. 619.62'
 LOCATION: NE CORNER OF ROOSEVELT RD AT GUNDERSON AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

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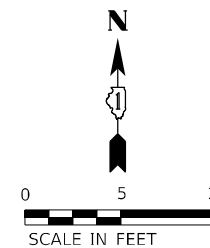
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

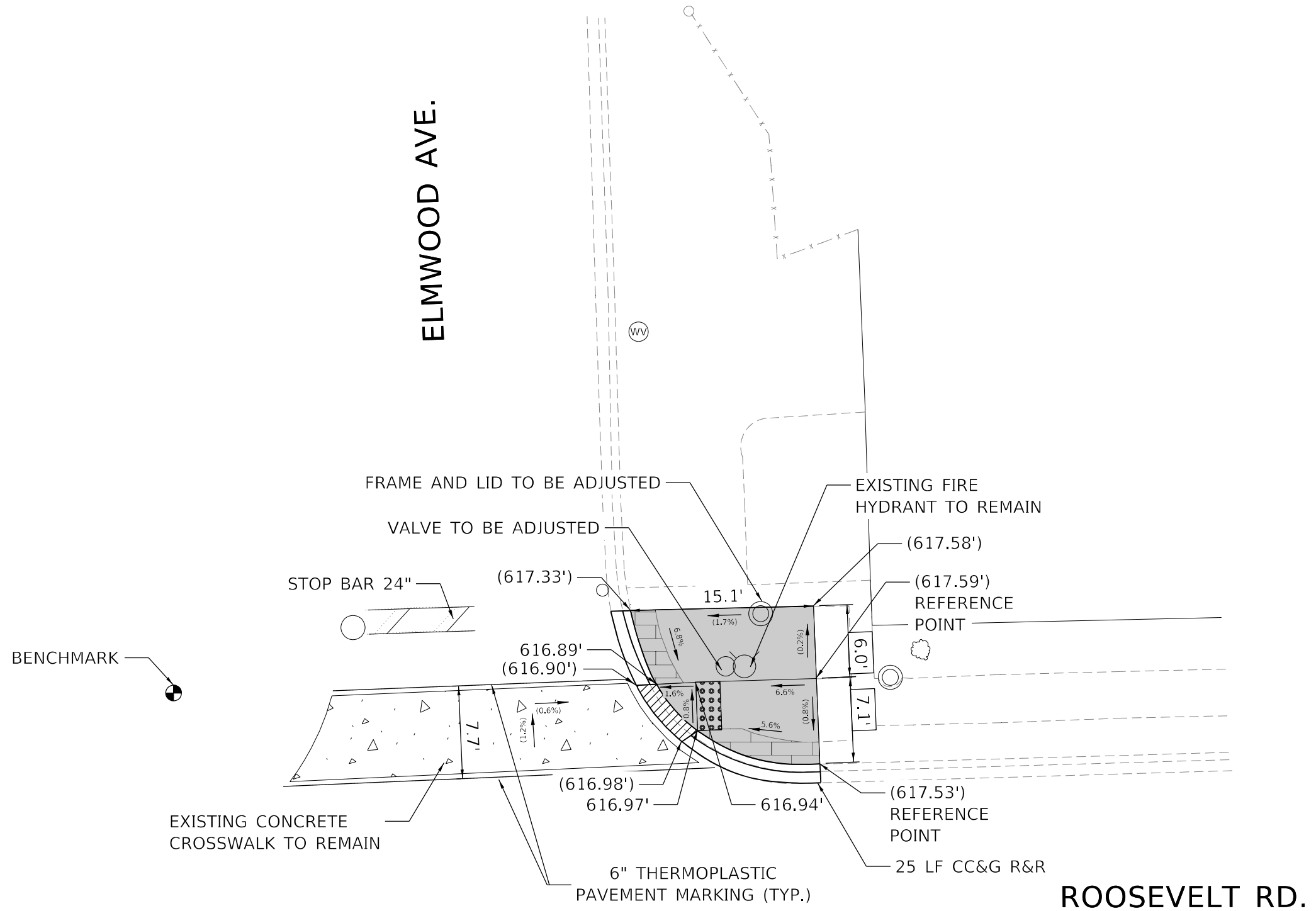
**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT GUNDERSON AVE.**

SCALE: 1" = 10' SHEET 16 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	31
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



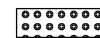





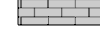



ELMWOOD AVE.



ROOSEVELT RD.

REFERENCE BENCHMARK #4820, ELEV. 617.57'
 LOCATION: NE CORNER OF ROOSEVELT RD AT ELMWOOD AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  DEPRESSED CURB AND GUTTER
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

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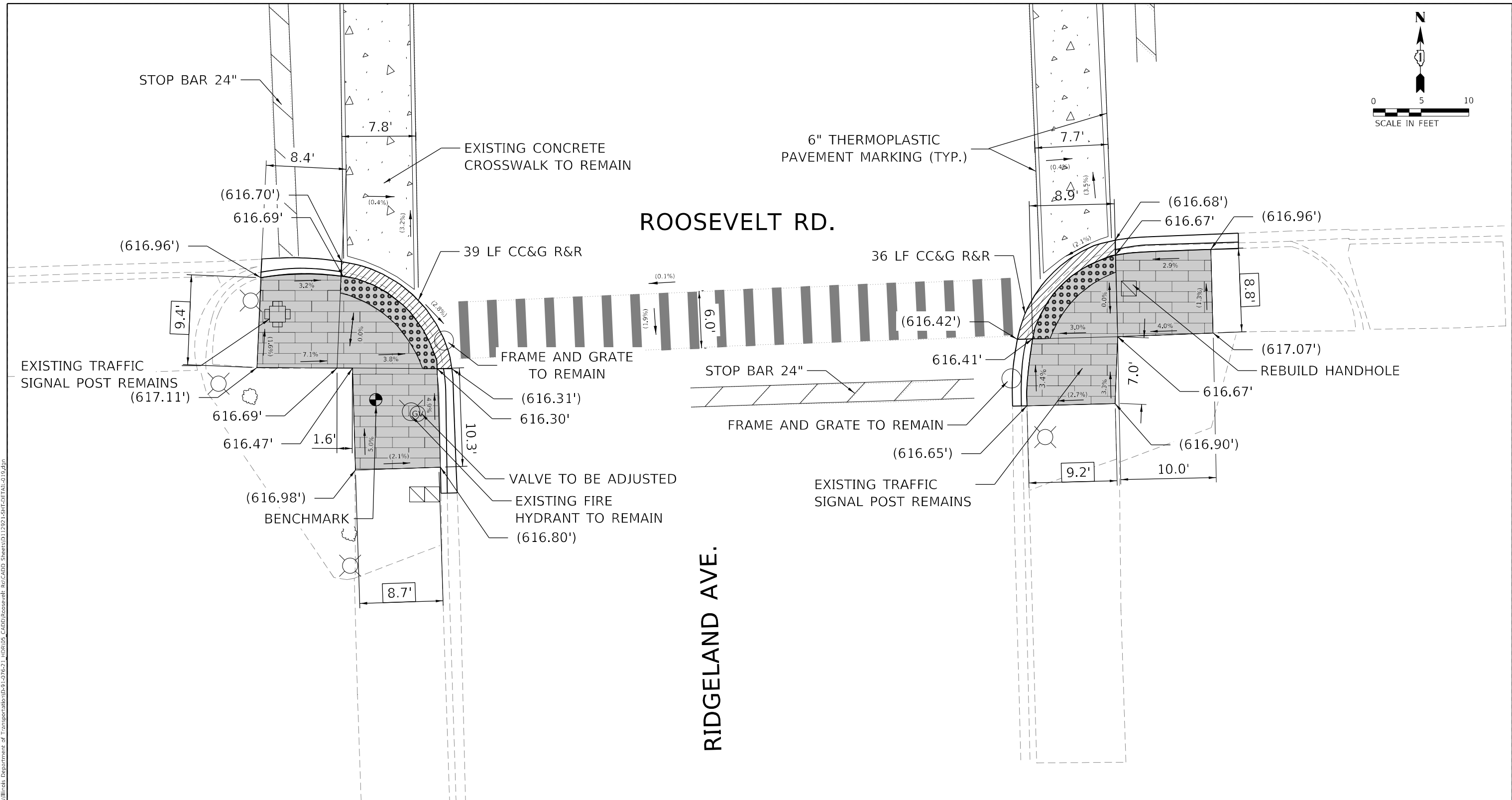
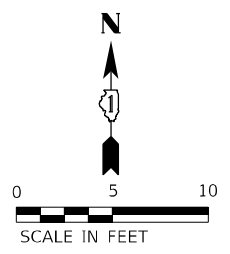
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PLOT DATE = 11/18/2022		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT ELMWOOD AVE.

SCALE: 1" = 10' SHEET 17 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	32
CONTRACT NO. 62N79				
ILLINOIS FED. AID CONTRACT				



REFERENCE BENCHMARK #XXX, ELEV. XXX.XX'
 LOCATION: NE CORNER OF ROOSEVELT RD AT RIDGELAND AVE
 BENCHMARK: NE FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- DEPRESSED CURB AND GUTTER
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- XX.XX' EXISTING LENGTH
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- XX.XX' PROPOSED LENGTH

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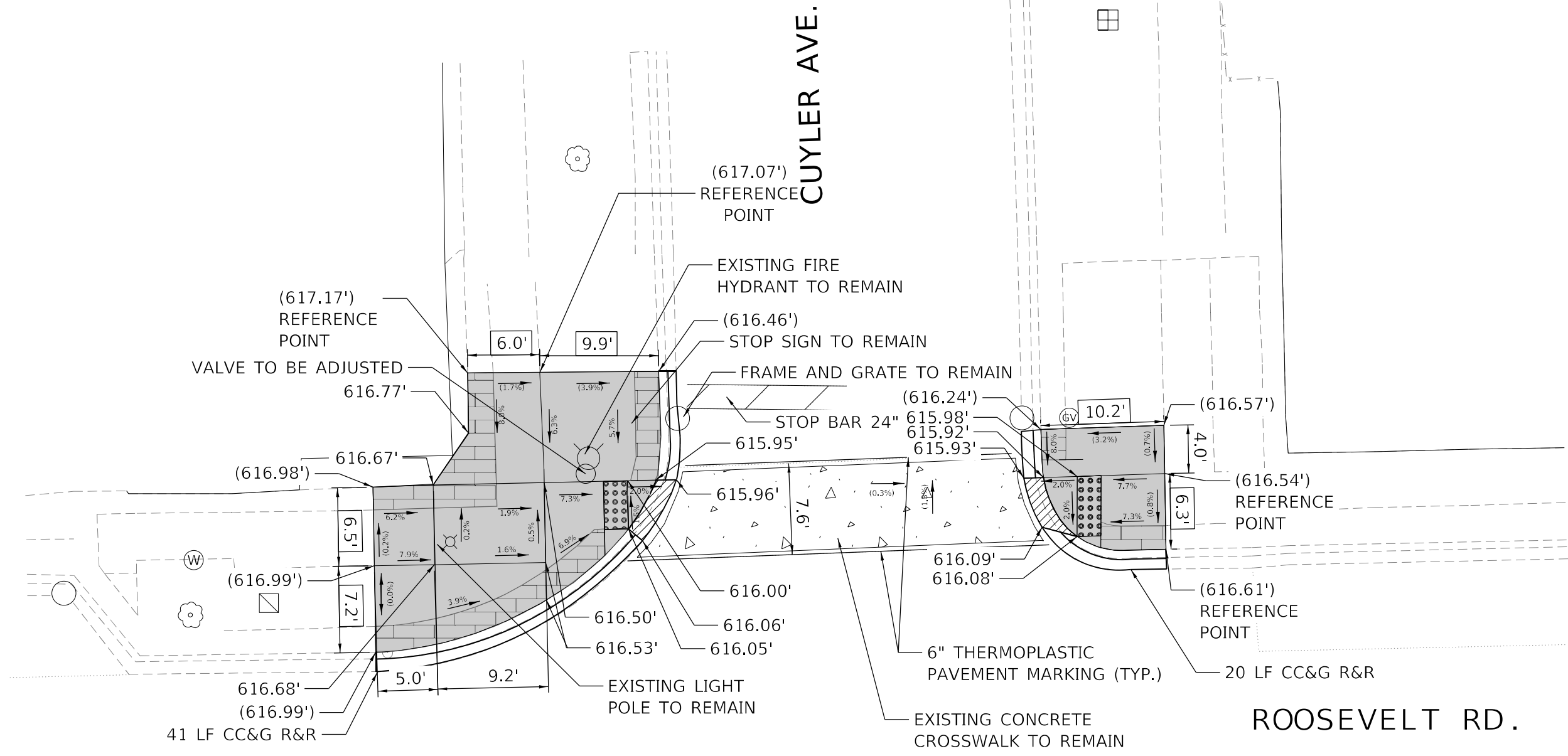
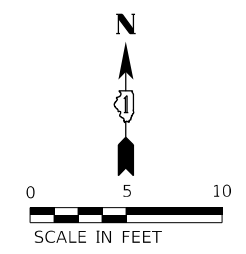
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT RIDGELAND AVE.**

SCALE: 1" = 10' SHEET 19 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	34
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK #5926, ELEV. 618.35'
 LOCATION: NW CORNER OF ROOSEVELT RD AT CUYLER AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B
- () EXISTING ELEVATION/SLOPE
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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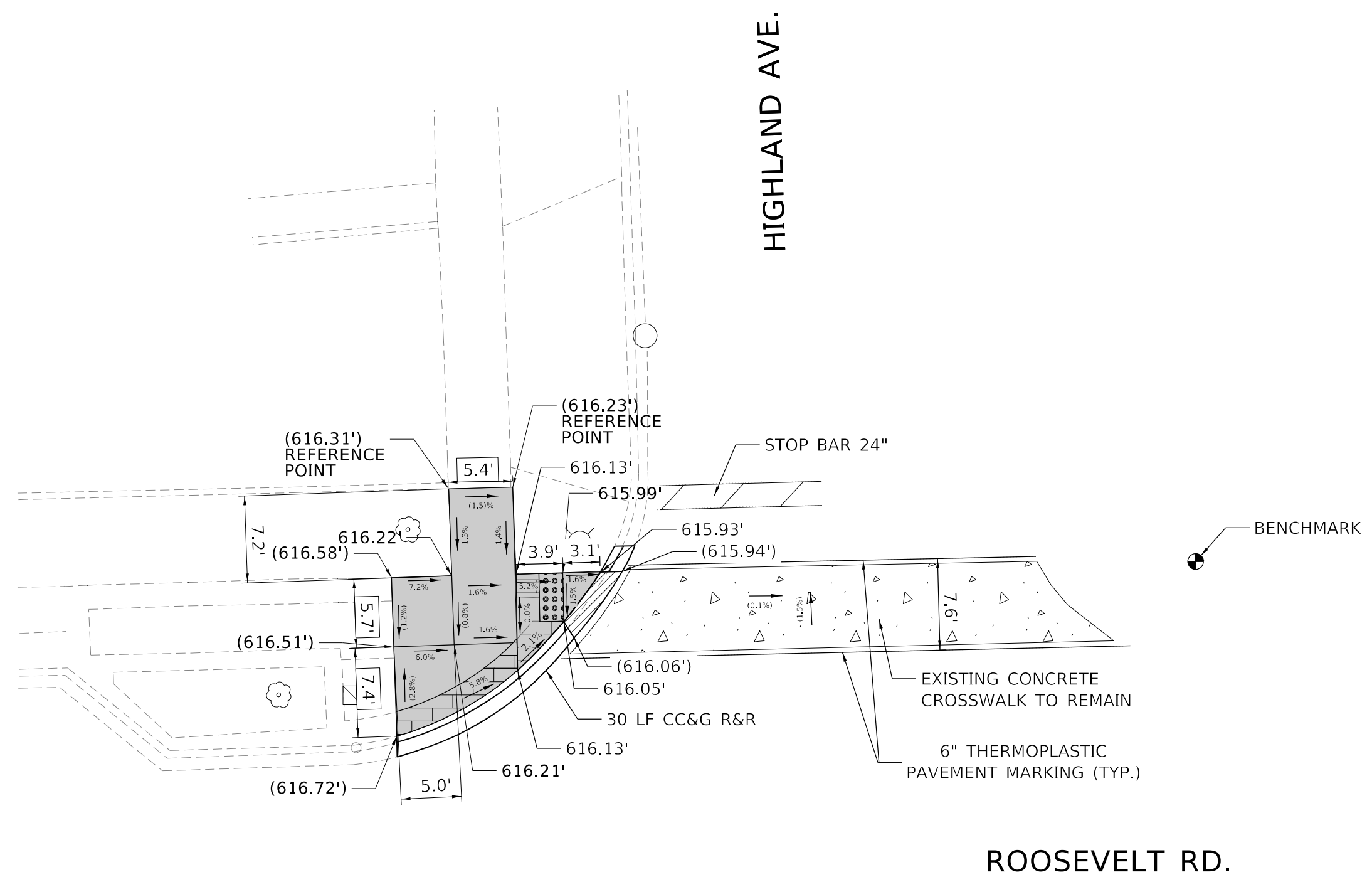
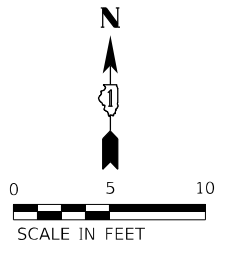
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT CUYLER AVE.**

SCALE: 1" = 10' SHEET 20 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	35
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

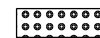
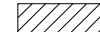










ROOSEVELT RD.

HIGHLAND AVE.

REFERENCE BENCHMARK #6389, ELEV. 617.93'
 LOCATION: NW CORNER OF ROOSEVELT RD AT HIGHLAND AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B
-  () EXISTING ELEVATION/SLOPE
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

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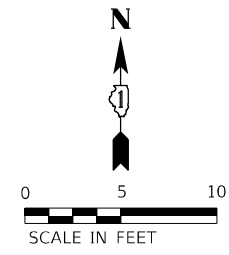


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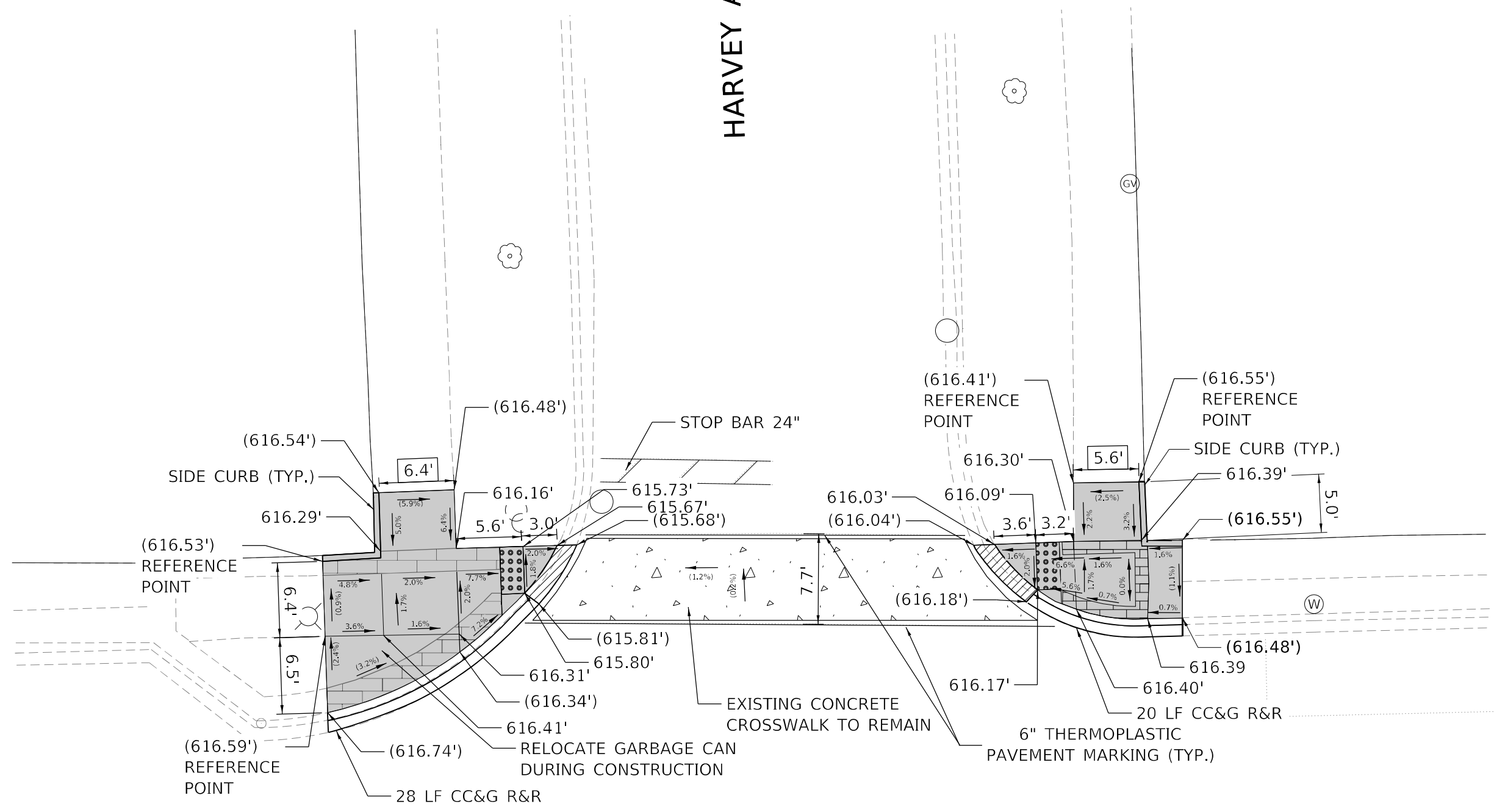
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA CURB RAMP IMPROVEMENT PLAN ROOSEVELT RD. AT HIGHLAND AVE.	
SCALE: 1" = 10'	SHEET 22 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	37
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				













HARVEY AVE.



REFERENCE BENCHMARK #6694, ELEV. 618.16'
 LOCATION: NW CORNER OF ROOSEVELT RD AT HARVEY AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  () EXISTING ELEVATION/SLOPE
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

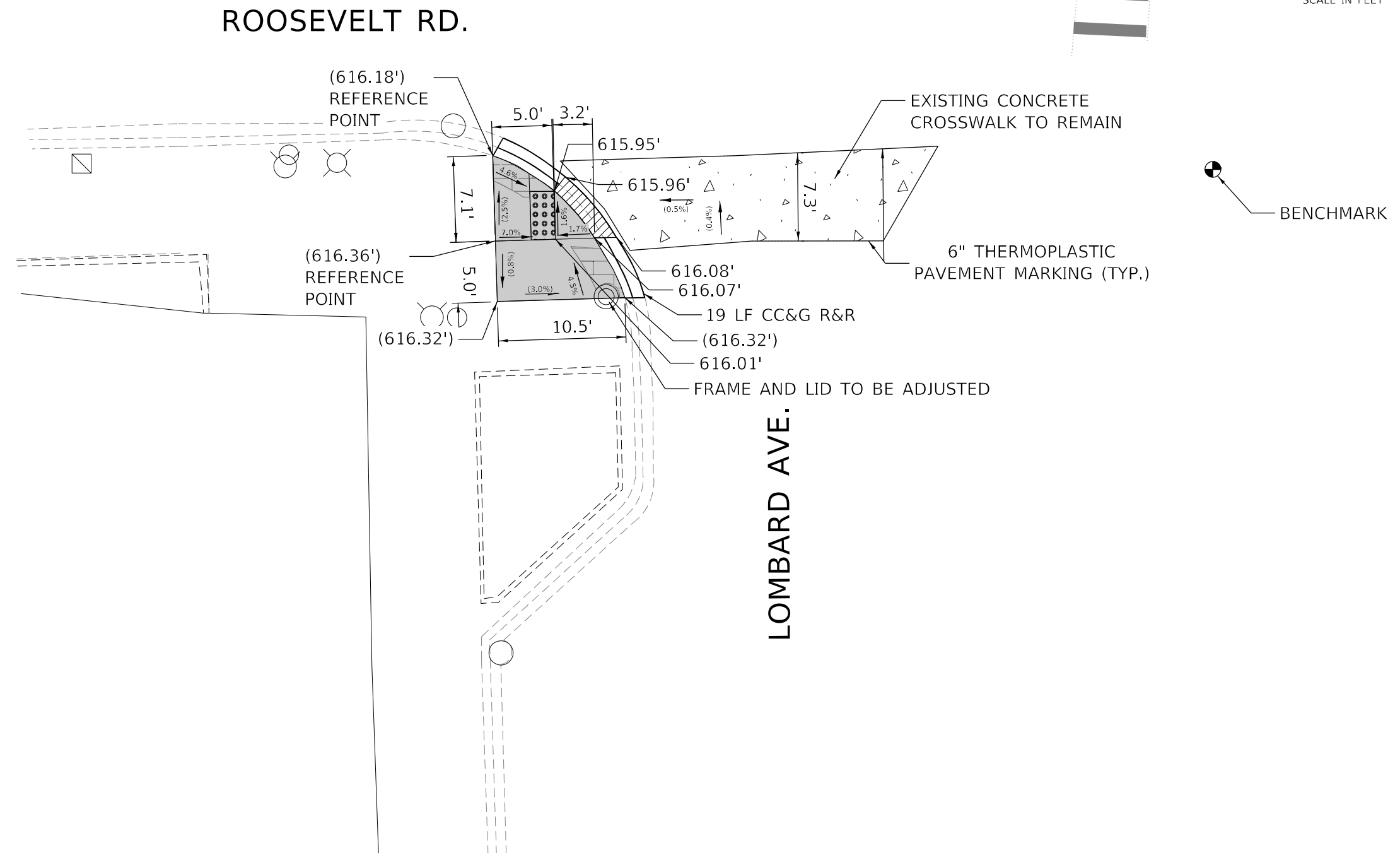
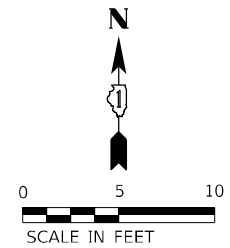
ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT HARVEY AVE.

SCALE: 1" = 10' SHEET 23 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	38
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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 DESIGNED - SSM
 DRAWN - CC
 CHECKED - MM
 DATE - 11/18/2022
 PLOT SCALE = 10,0000 * / in.
 PLOT DATE = 11/18/2022

OSEH inc.
 401 S CARLTON AVE
 SUITE 201
 WHEATON, IL 60187
 WWW.OSEHINC.COM



REFERENCE BENCHMARK #44, ELEV. 618.43'

LOCATION: SW CORNER OF ROOSEVELT RD AT LOMBARD AVE

BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- DEPRESSED CURB AND GUTTER
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL
- REPLACE WITH TOPSOIL & SOD
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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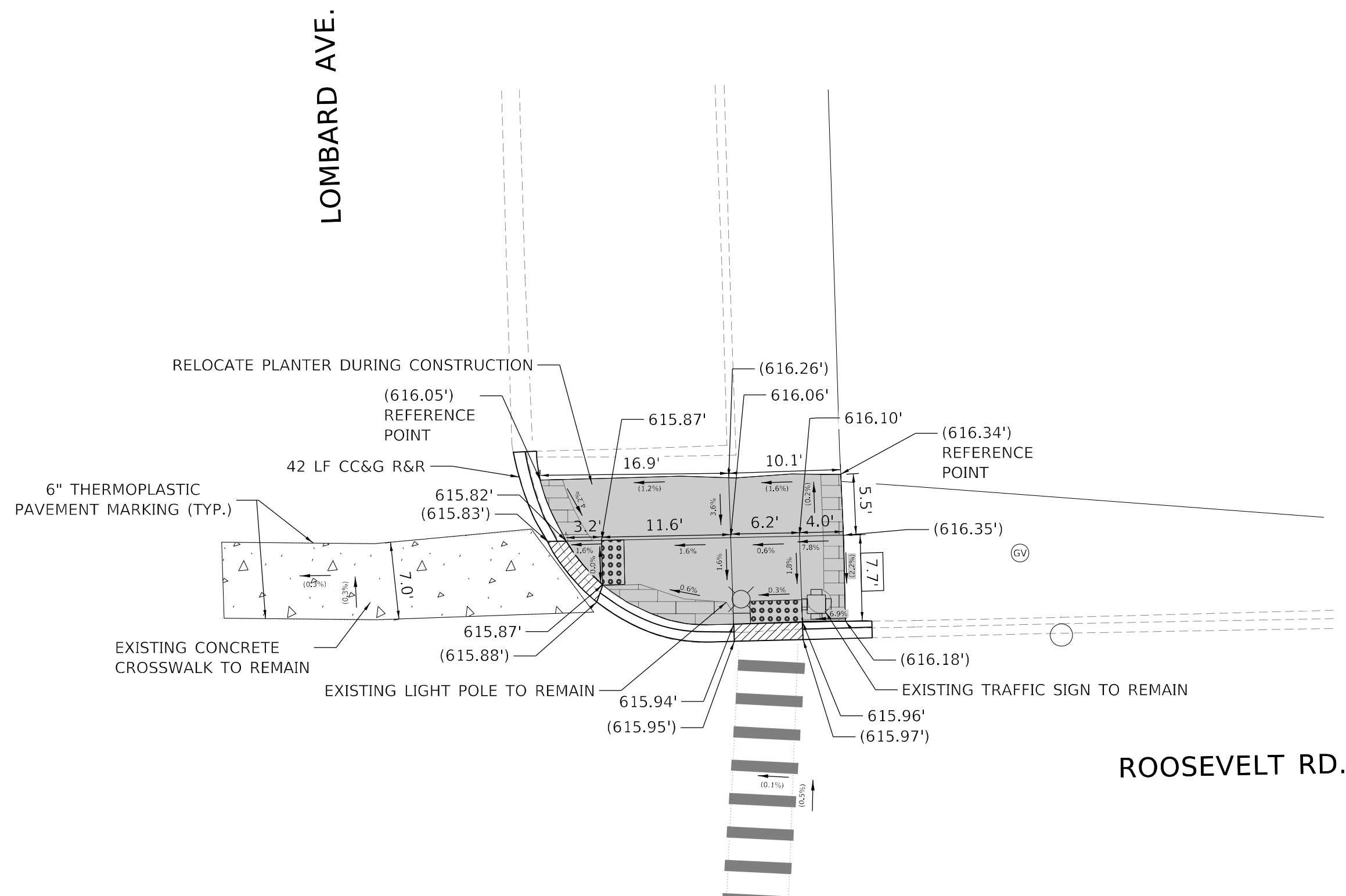
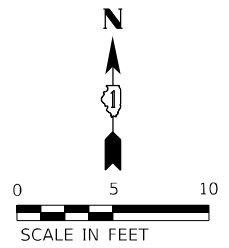
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT LOMBARD AVE.**

SCALE: 1" = 10' SHEET 24 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N79	



REFERENCE BENCHMARK #44, ELEV. 618.43'
 LOCATION: SW CORNER OF ROOSEVELT RD AT LOMBARD AVE
 BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B
- () EXISTING ELEVATION/SLOPE
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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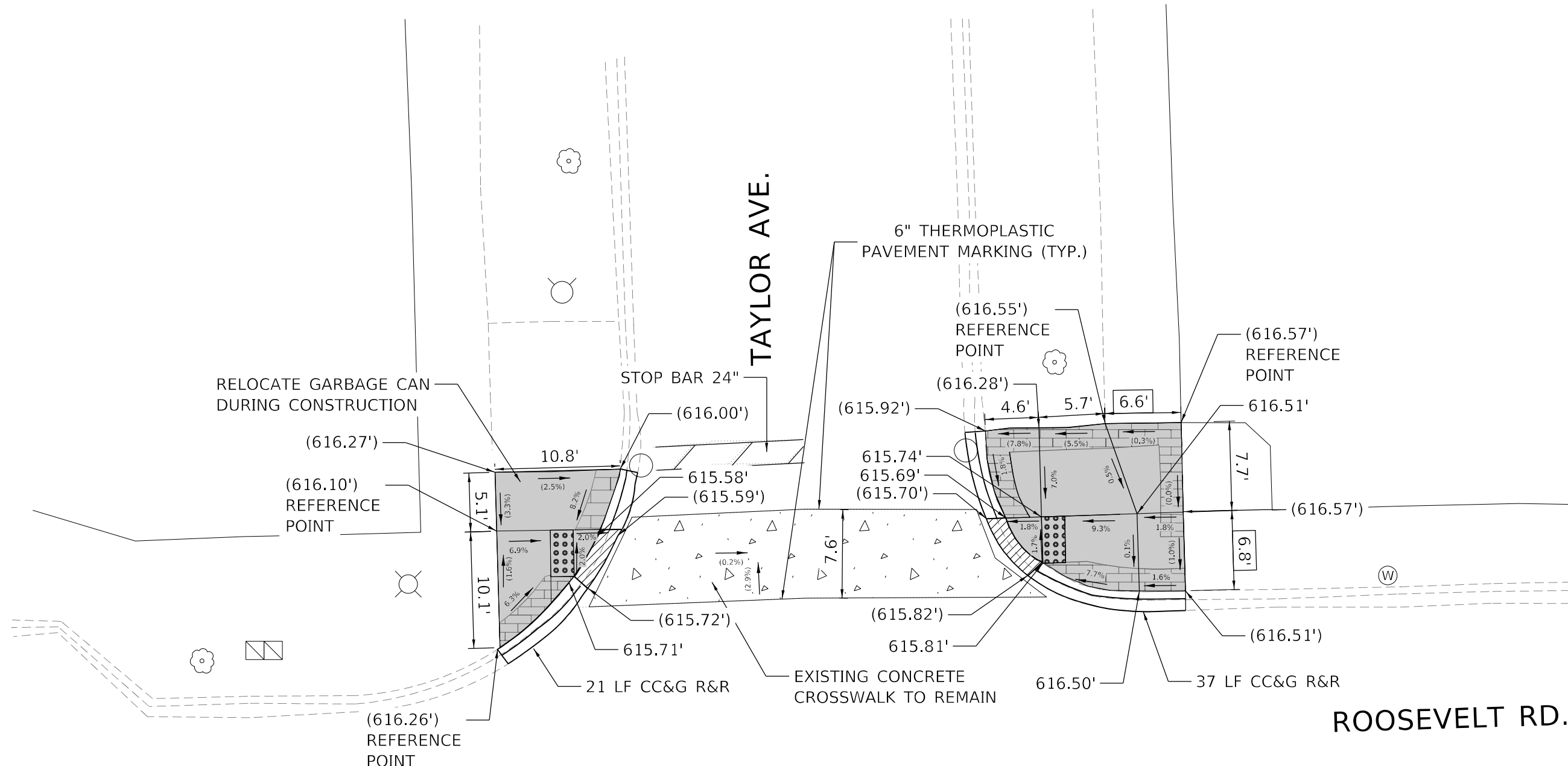
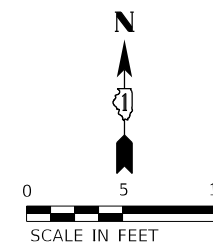
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT LOMBARD AVE.**

SCALE: 1" = 10' SHEET 25 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	40
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



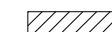
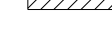








REFERENCE BENCHMARK #45, ELEV. 618.89'

LOCATION: SW CORNER OF ROOSEVELT RD AT TAYLOR AVE

BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX'
-  XX.XX'

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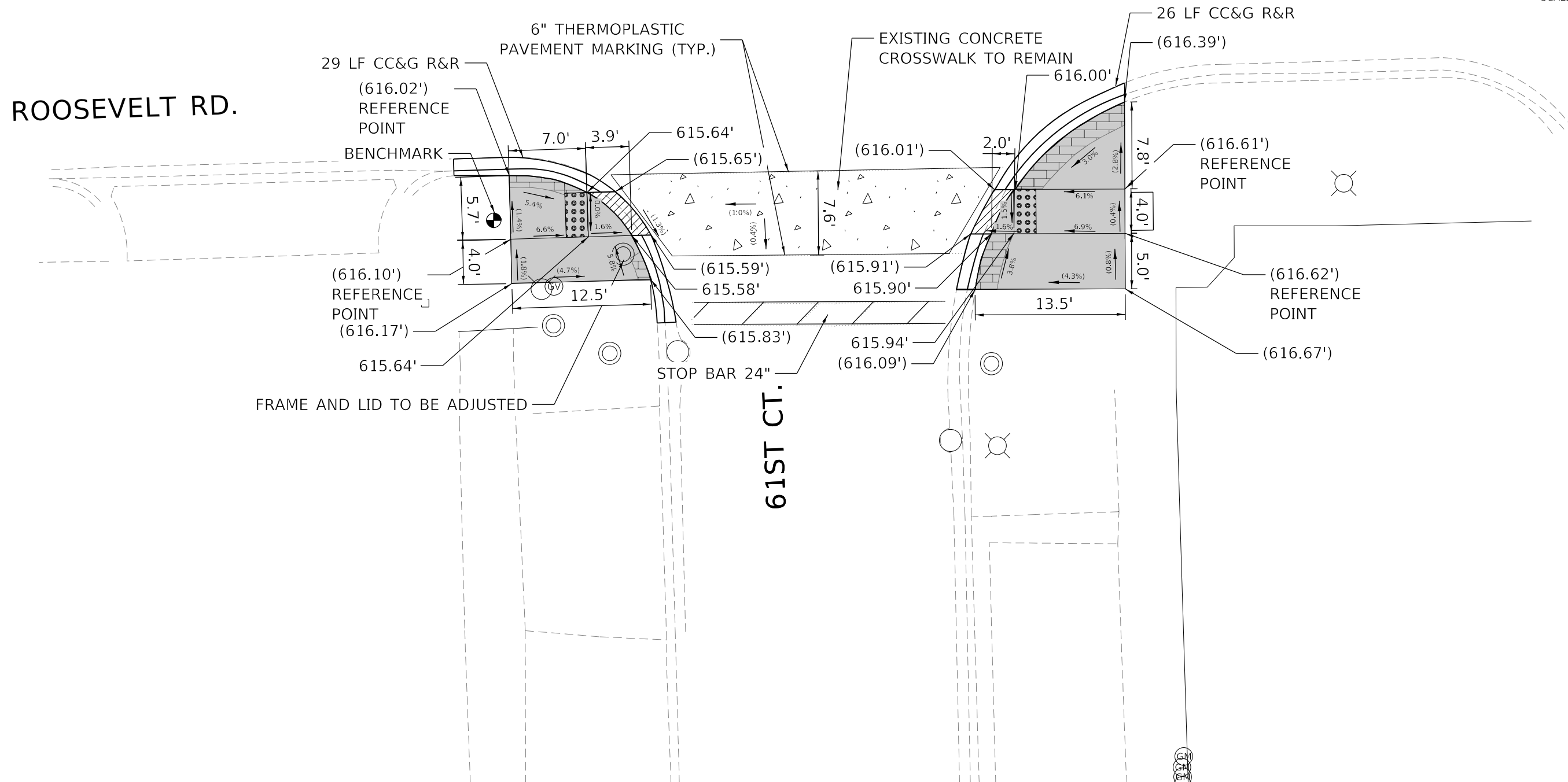
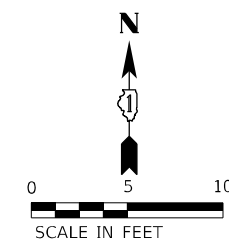
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT TAYLOR AVE.**

SCALE: 1" = 10' SHEET 26 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62N79	



REFERENCE BENCHMARK #45, ELEV. 618.89'
 LOCATION: NW CORNER OF ROOSEVELT RD AT TAYLOR AVE
 BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND	
	PROPOSED DETECTABLE WARNINGS
	DEPRESSED CURB AND GUTTER
	PAVEMENT PATCHING
	REMOVE AND REINSTALL BRICK PAVER
	SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
	PROPOSED PCC SIDEWALK
	PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
	() EXISTING ELEVATION/SLOPE
	XX.XX' EXISTING LENGTH
	XX.XX' PROPOSED LENGTH

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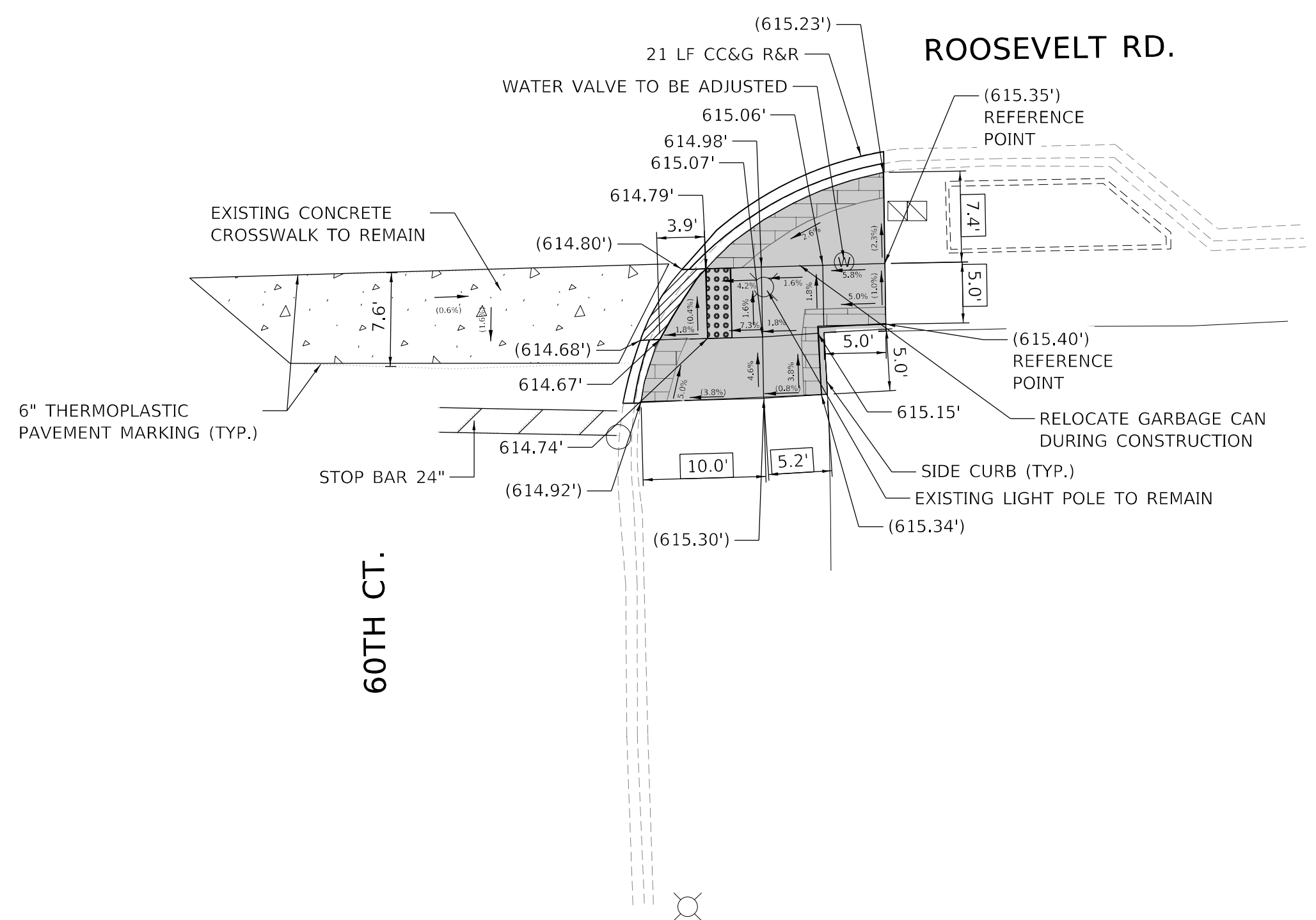
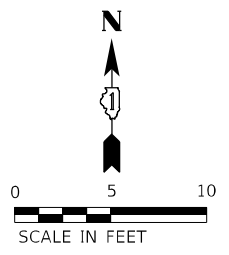
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PLOT DATE = 11/18/2022		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 10'		SHEET 27 OF 43 SHEETS		STA. TO STA.	
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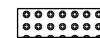



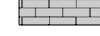





ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT 61" ST.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	42
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK #46, ELEV. 616.55'
 LOCATION: NW CORNER OF ROOSEVELT RD AT HUMPHREY AVE
 BENCHMARK: SW FLANGE BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  EXISTING LENGTH
-  PROPOSED LENGTH

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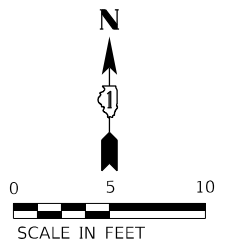


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PLOT DATE = 11/18/2022		

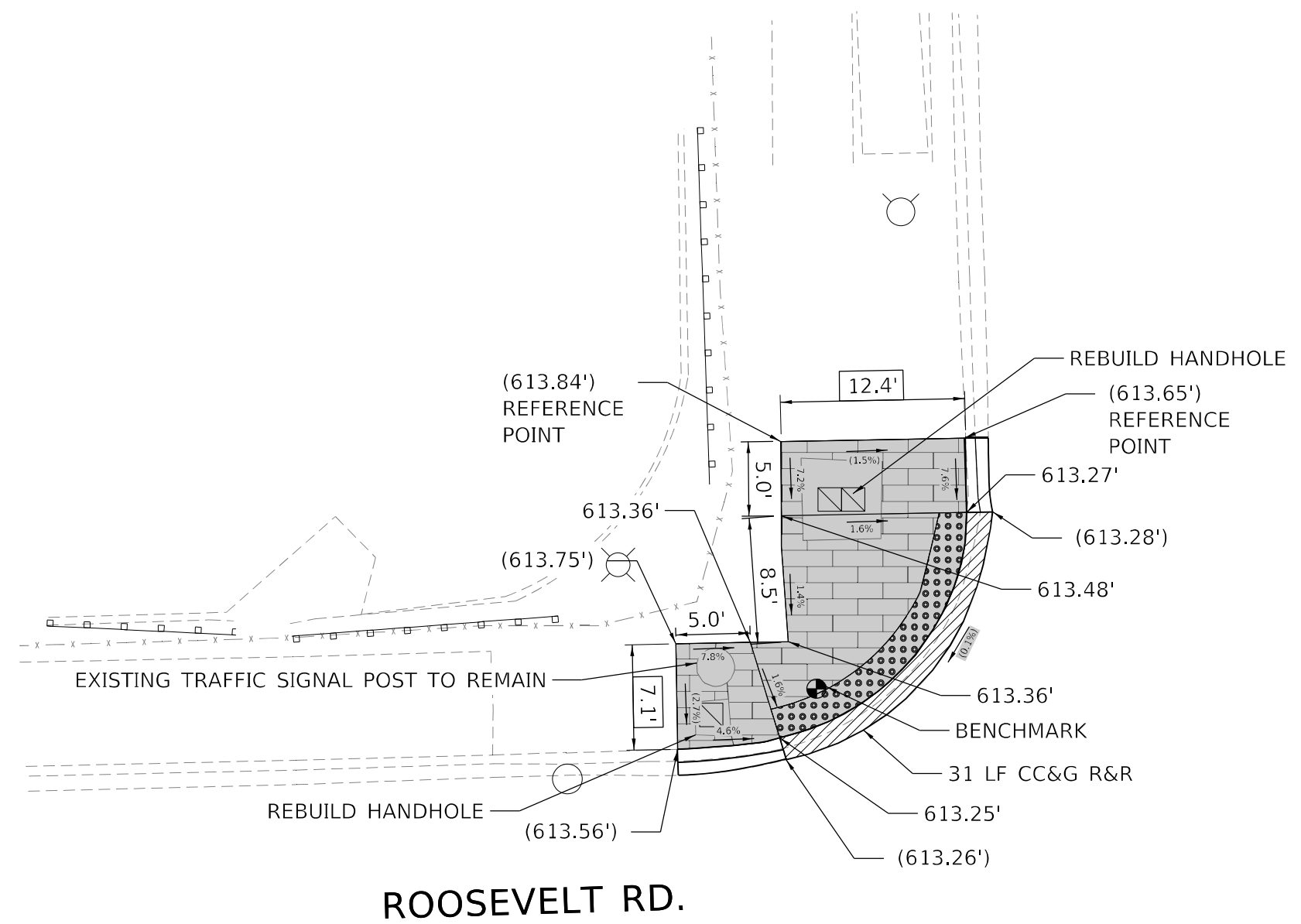
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ADA CURB RAMP IMPROVEMENT PLAN ROOSEVELT RD. AT 60" CT.	
SCALE: 1" = 10'	SHEET 28 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	43
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



AUSTIN BLVD.



ROOSEVELT RD.

REFERENCE BENCHMARK #47, ELEV. 615.45'
 LOCATION: NW CORNER OF ROOSEVELT RD AT
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- PROPOSED PCC SIDEWALK
- DEPRESSED CURB AND GUTTER
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- PAVEMENT PATCHING
- () EXISTING ELEVATION/SLOPE
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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PLOT DATE = 11/18/2022		

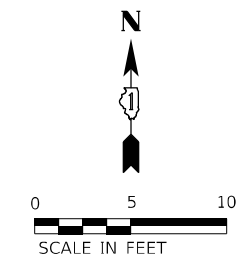
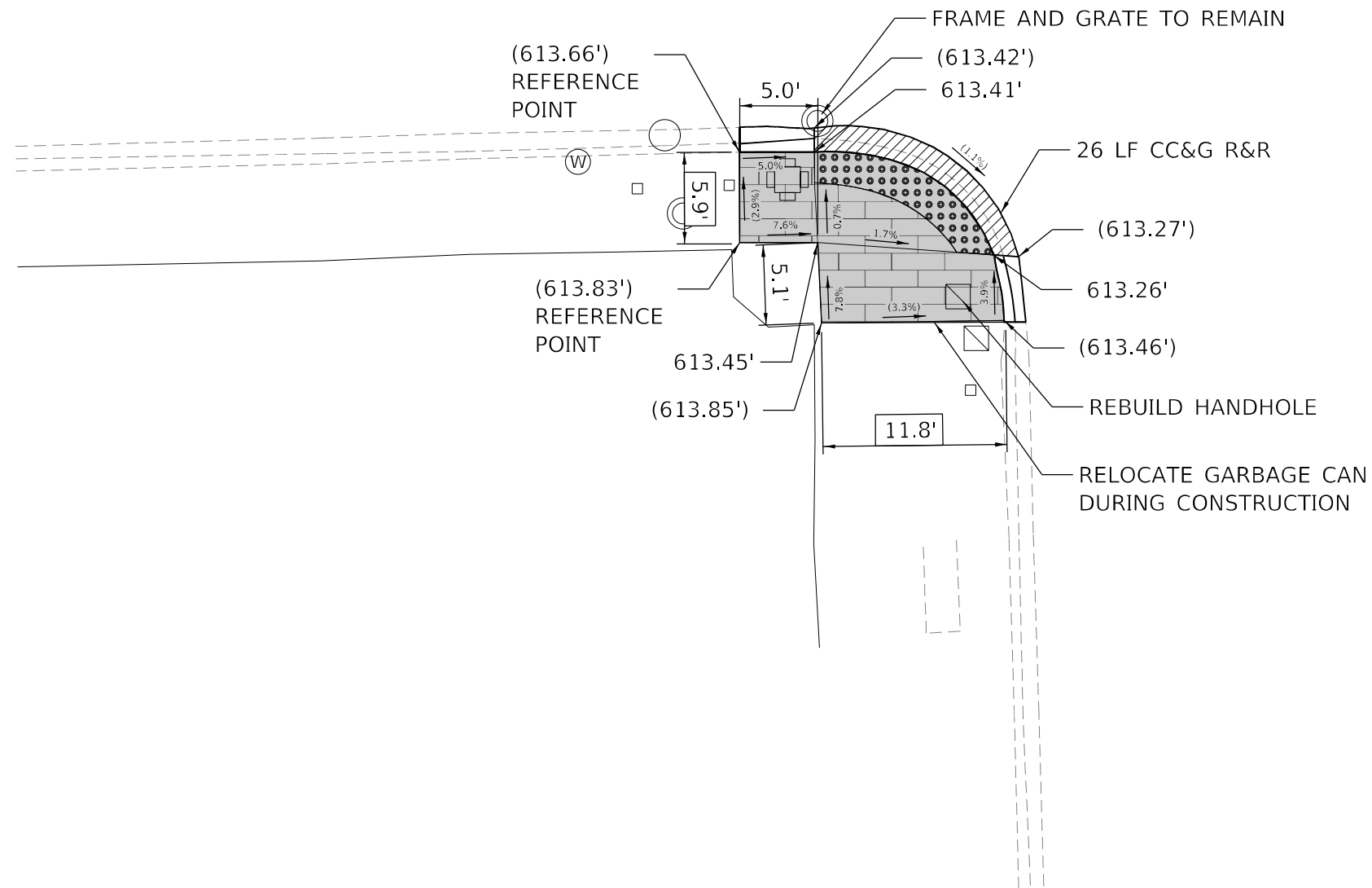
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT AUSTIN BLVD.**

SCALE: 1" = 10' SHEET 30 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	45
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

ROOSEVELT RD.



AUSTIN BLVD.

REFERENCE BENCHMARK #47, ELEV. 615.45'
 LOCATION: NW CORNER OF ROOSEVELT RD AT
 BENCHMARK: SW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- () EXISTING ELEVATION/SLOPE
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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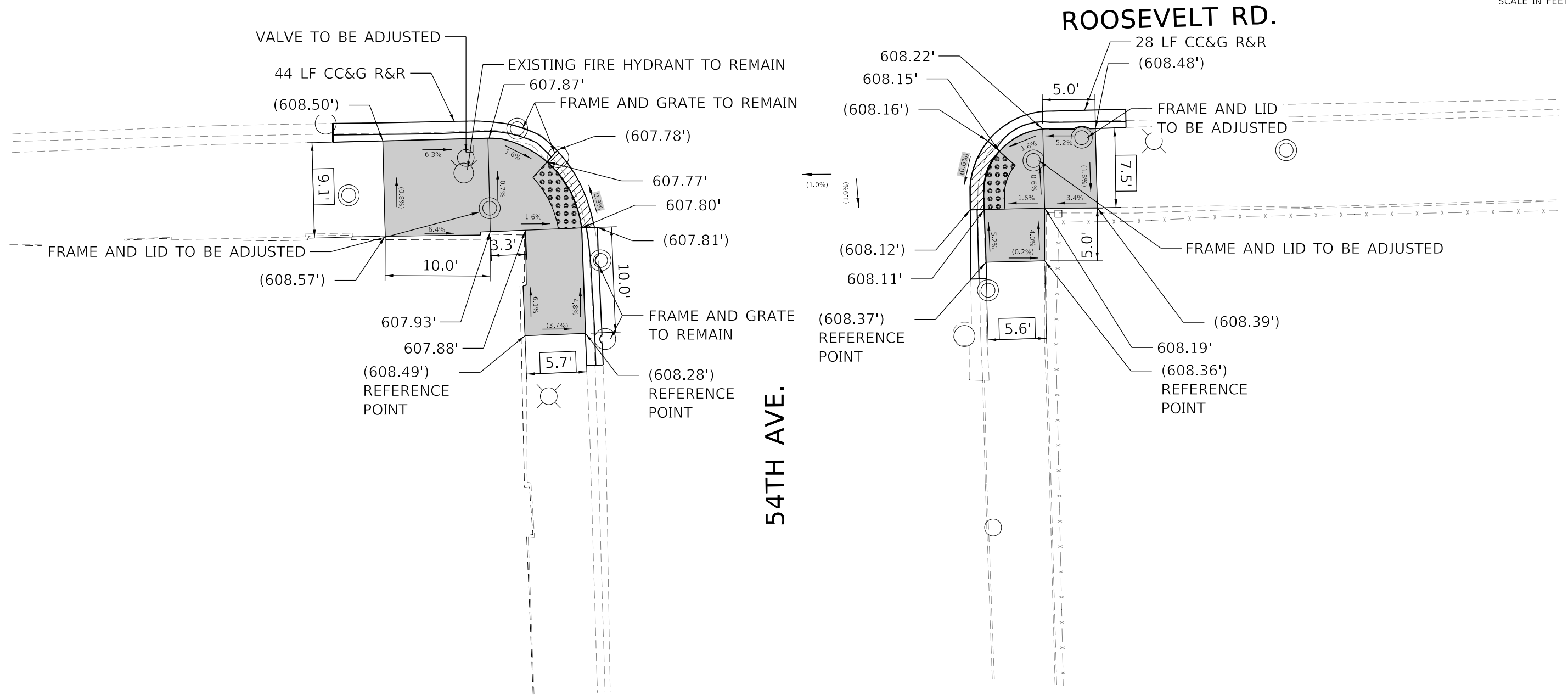
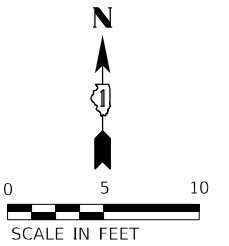
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT AUSTIN BLVD.**

SCALE: 1" = 10' SHEET 31 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	46
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK #49, ELEV. 610.01'
 LOCATION: SW CORNER OF ROOSEVELT RD AT 54TH AVE
 BENCHMARK: NW FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH
- PROPOSED LENGTH

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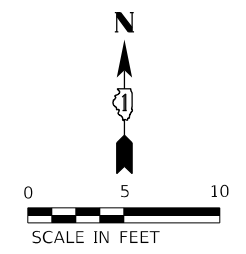
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PLOT DATE = 11/18/2022		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT 54TH AVE.**

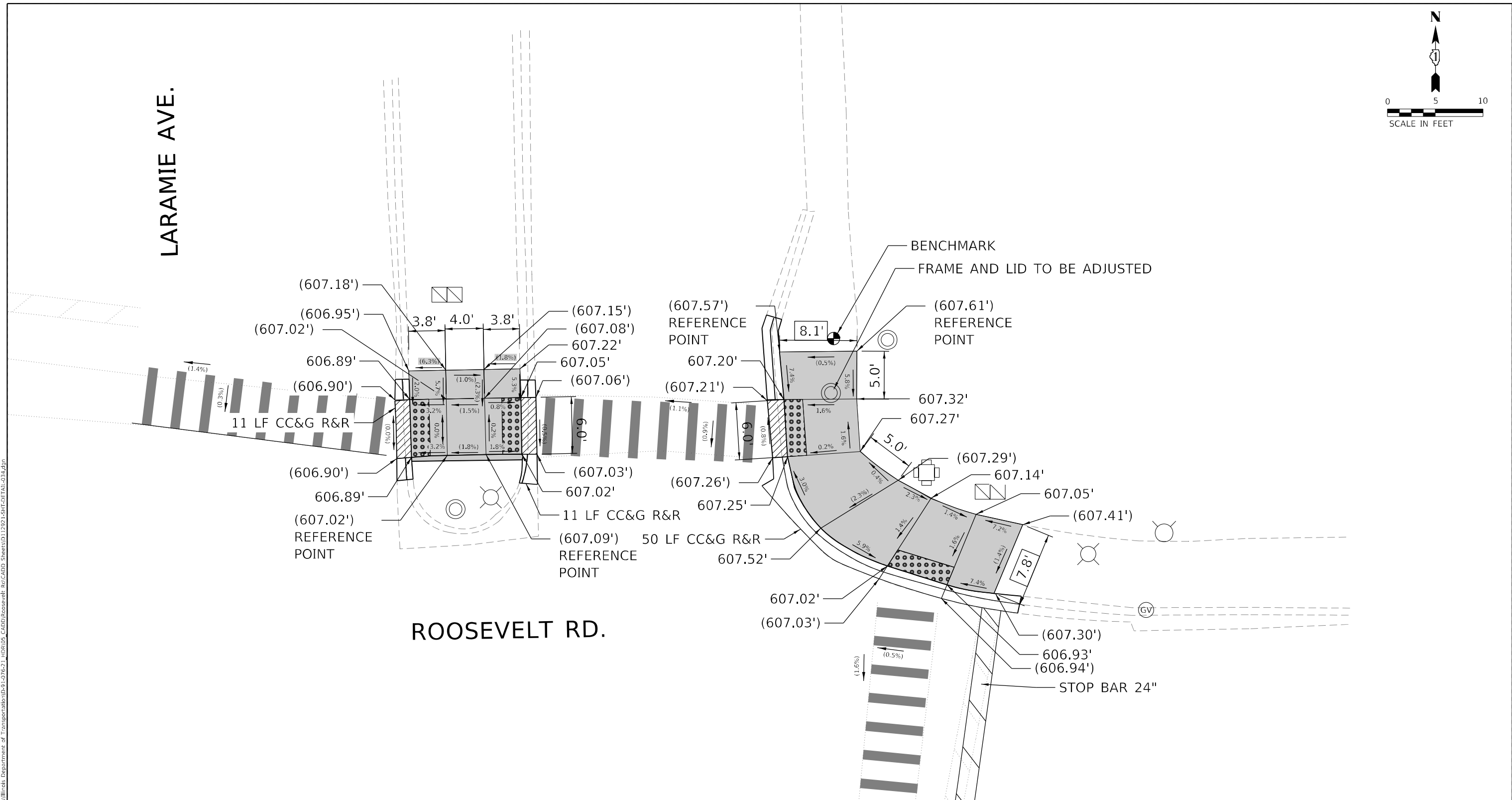
SCALE: 1" = 10' SHEET 32 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	47
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				













LARAMIE AVE.

ROOSEVELT RD.



REFERENCE BENCHMARK #50, ELEV. 607.40'
 LOCATION: SE CORNER OF ROOSEVELT RD AT LARAMIE AVE
 BENCHMARK: NW CORNER OF THE TRAFFIC CONTROL BOX PAD.

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  EXISTING LENGTH
-  PROPOSED LENGTH

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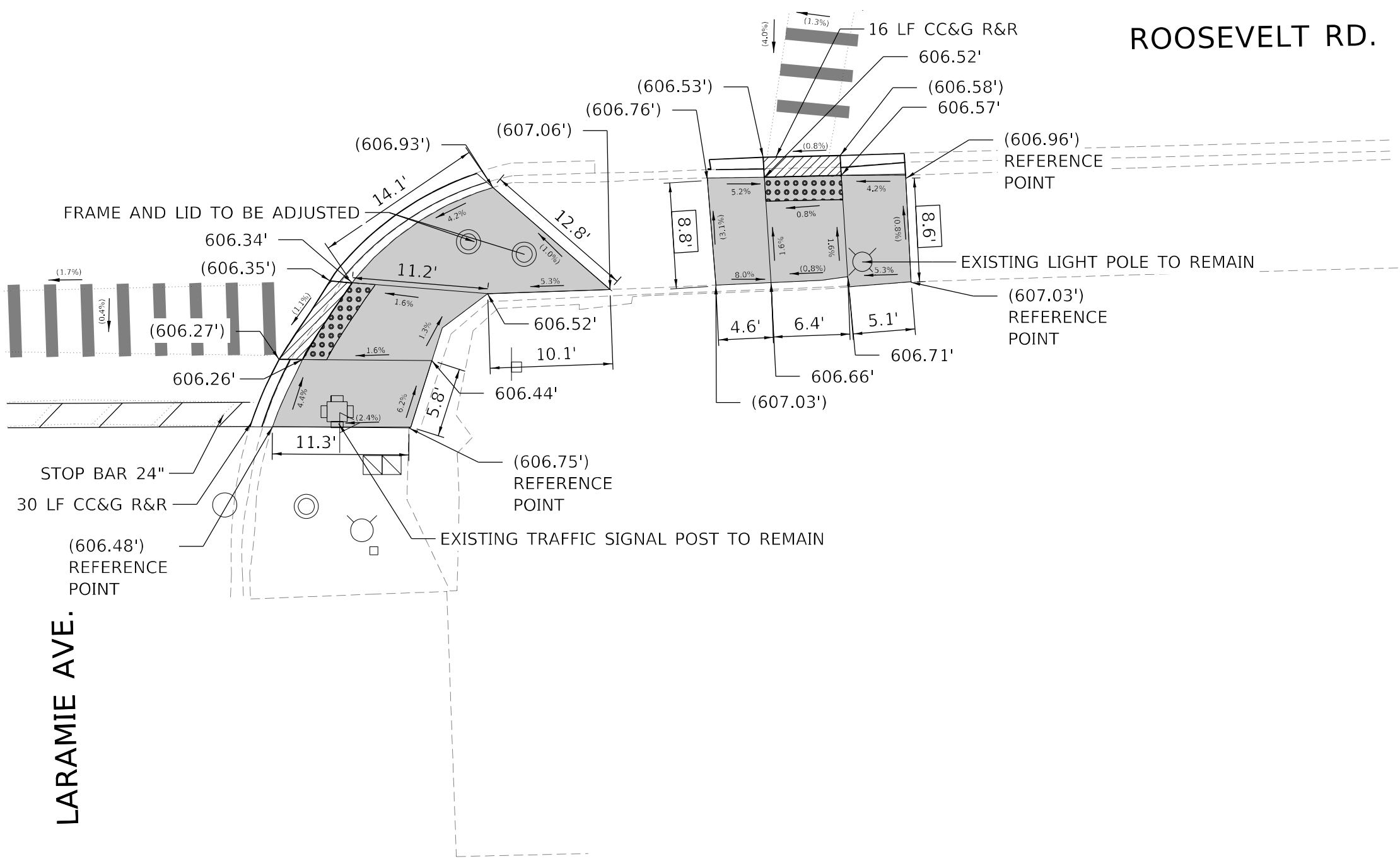
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PLOT DATE = 11/18/2022	DATE - 11/18/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT LARAMIE AVE.**
 SCALE: 1" = 10' SHEET 34 OF 43 SHEETS STA. TO STA.

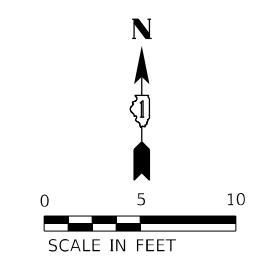
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	49
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

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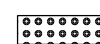
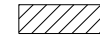
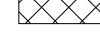







ROOSEVELT RD.

LARAMIE AVE.



REFERENCE BENCHMARK #50, ELEV. 607.40'
 LOCATION: SE CORNER OF ROOSEVELT RD AT LARAMIE AVE
 BENCHMARK: NW CORNER OF TRAFFIC CONTROL BOX PAD

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  REMOVE AND REINSTALL BRICK PAVER
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  () EXISTING ELEVATION/SLOPE
-  XX.XX' EXISTING LENGTH
-  XX.XX' PROPOSED LENGTH

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 401 S CARLTON AVE
 SUITE 201
 WHEATON, IL 60187
 WWW.OSEHINC.COM

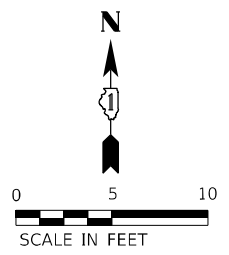
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PLOT DATE = 11/18/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

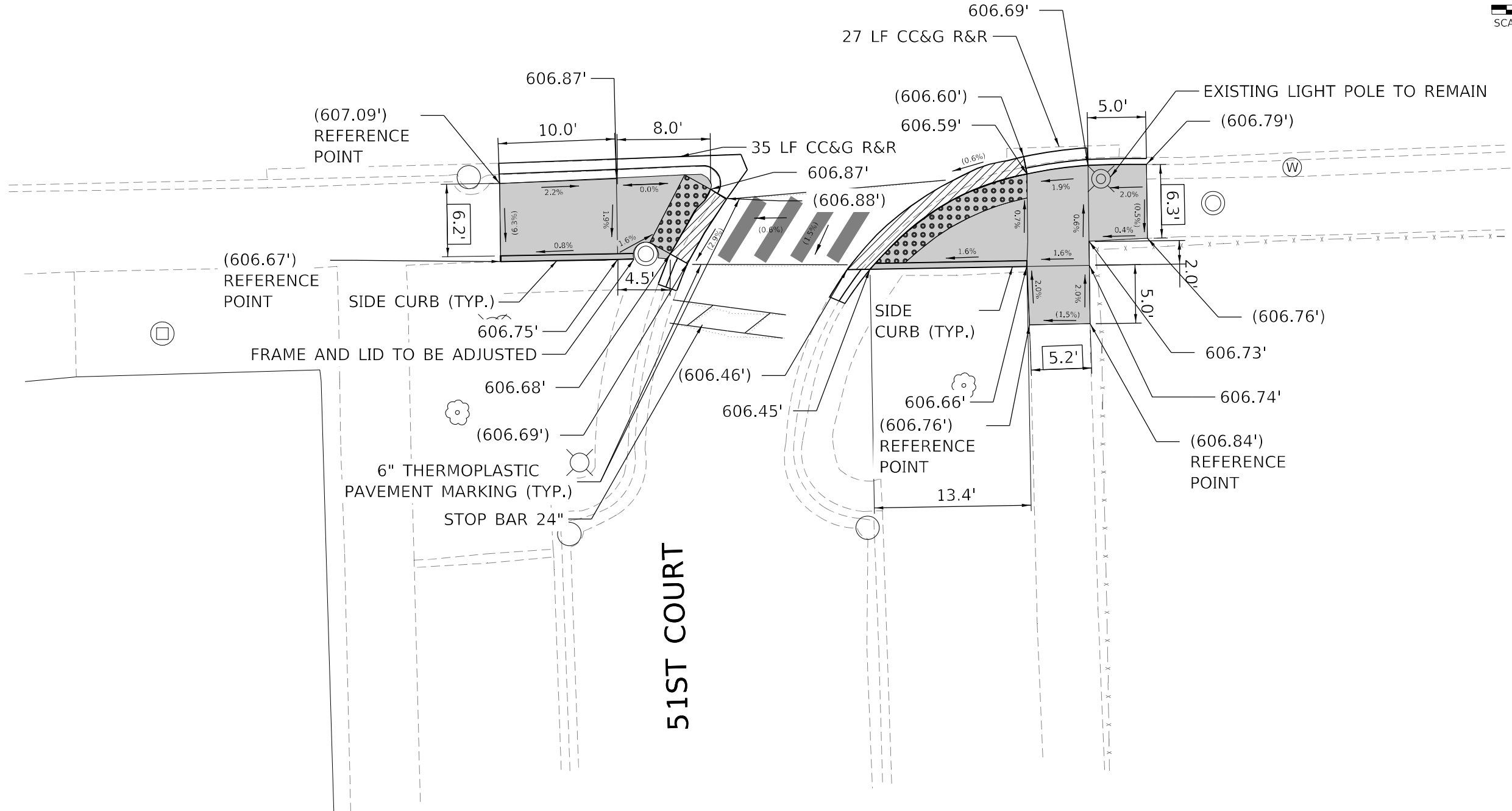
ADA CURB RAMP IMPROVEMENT PLAN
ROOSEVELT RD. AT LARAMIE AVE.

SCALE: 1" = 10' SHEET 34 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	50
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				



ROOSEVELT RD.



51ST COURT

REFERENCE BENCHMARK #51, ELEV. 609.21'
 LOCATION: SW CORNER OF ROOSEVELT RD AT 51ST CT
 BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- () EXISTING ELEVATION/SLOPE
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -
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PLOT DATE = 11/18/2022		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN ROOSEVELT RD. AT 51ST CT.

SCALE: 1" = 10' SHEET 36 OF 43 SHEETS STA. TO STA.

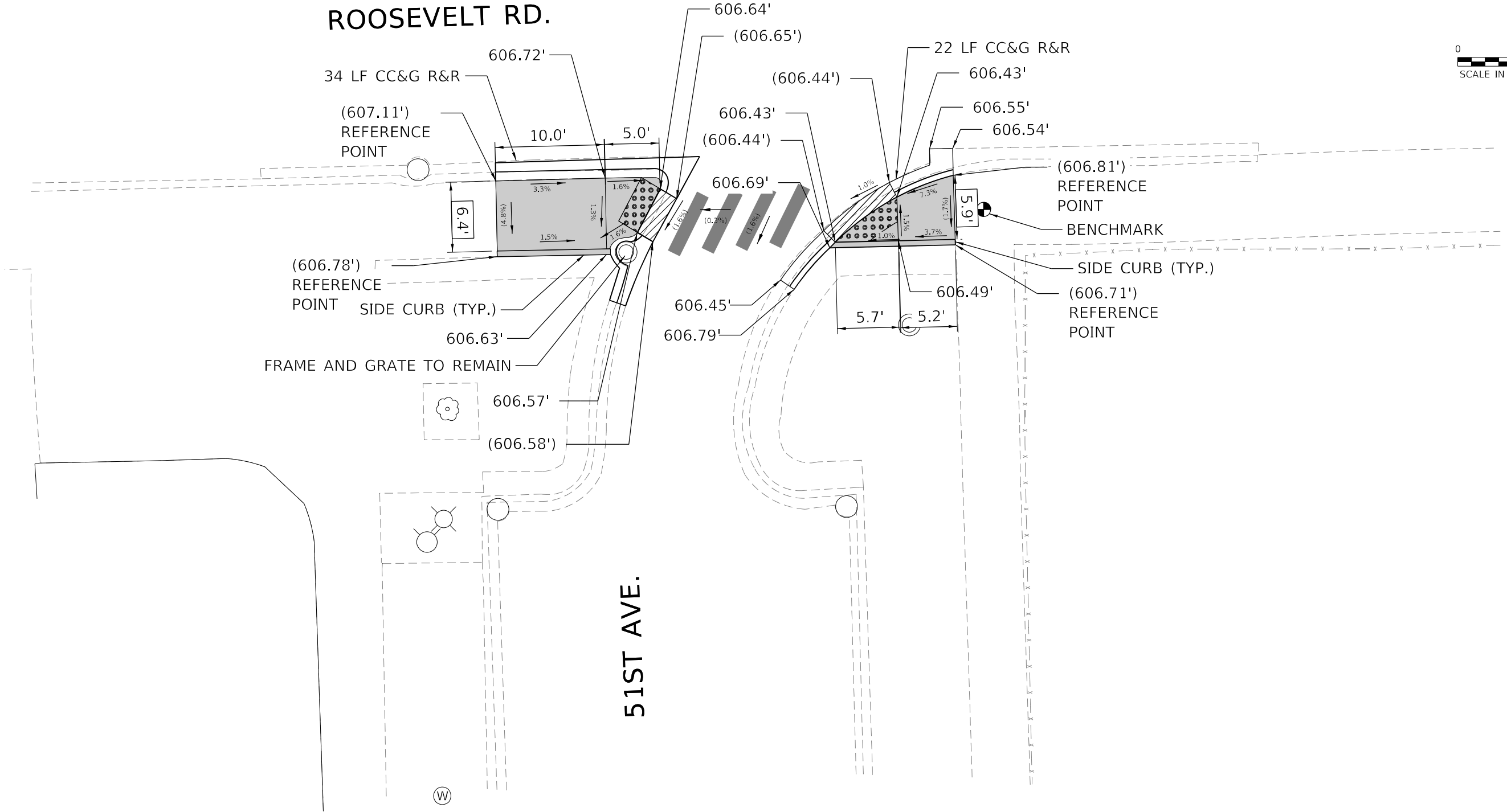
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	51
CONTRACT NO. 62N79				

ILLINOIS FED. AID PROJECT



ROOSEVELT RD.

51ST AVE.



REFERENCE BENCHMARK #52, ELEV. 608.65'
 LOCATION: SW CORNER OF ROOSEVELT RD AT 51ST AVE
 BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH
- PROPOSED LENGTH

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT 51ST AVE.**

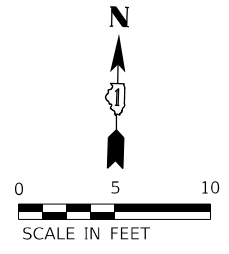
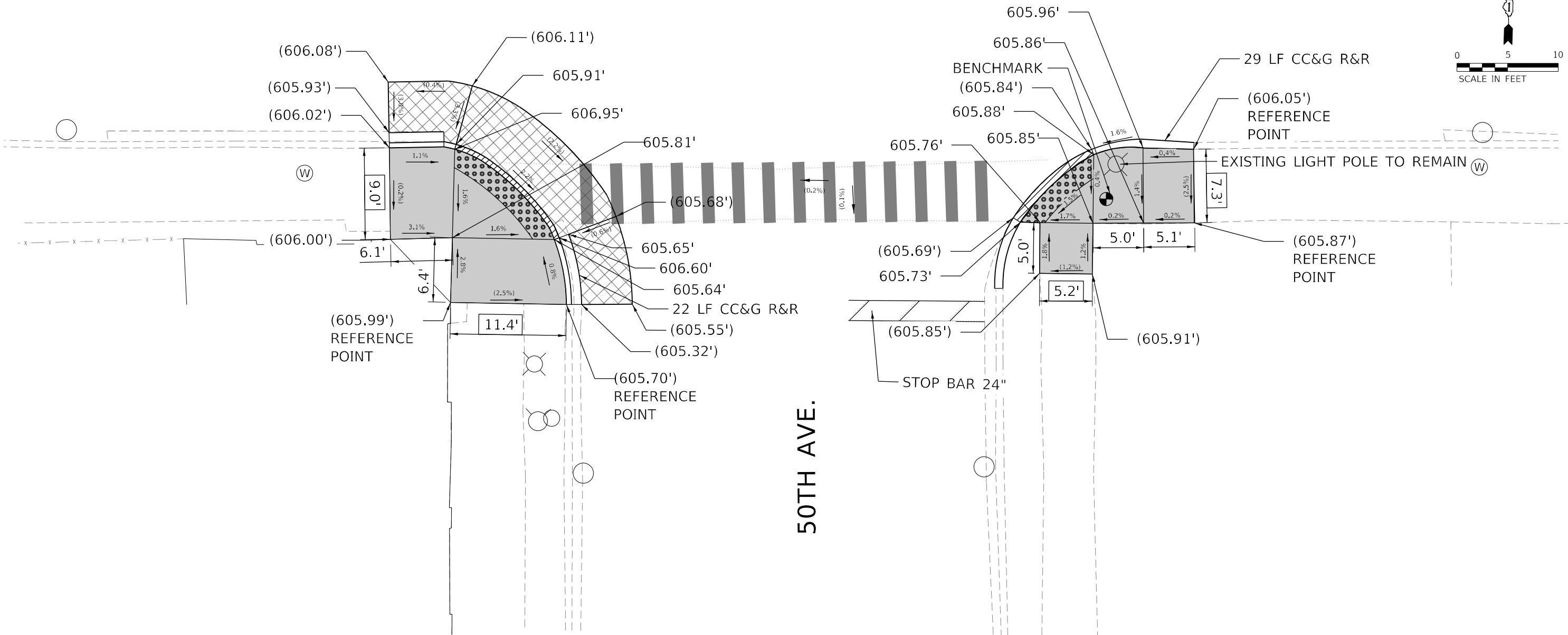
SCALE: 1" = 10' SHEET 37 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	52
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

USER NAME	DESIGNED	REVISIONS
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	CHECKED - MM	REVISIONS
	DATE - 11/18/2022	REVISIONS

ROOSEVELT RD.

50TH AVE.



REFERENCE BENCHMARK #54, ELEV. 606.96'
 LOCATION: NORTH OF ROOSEVELT RD ON THE SIDEWALK
 BENCHMARK: NE FLANGE BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH
- PROPOSED LENGTH

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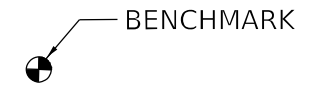
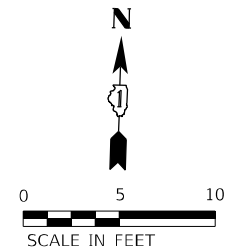
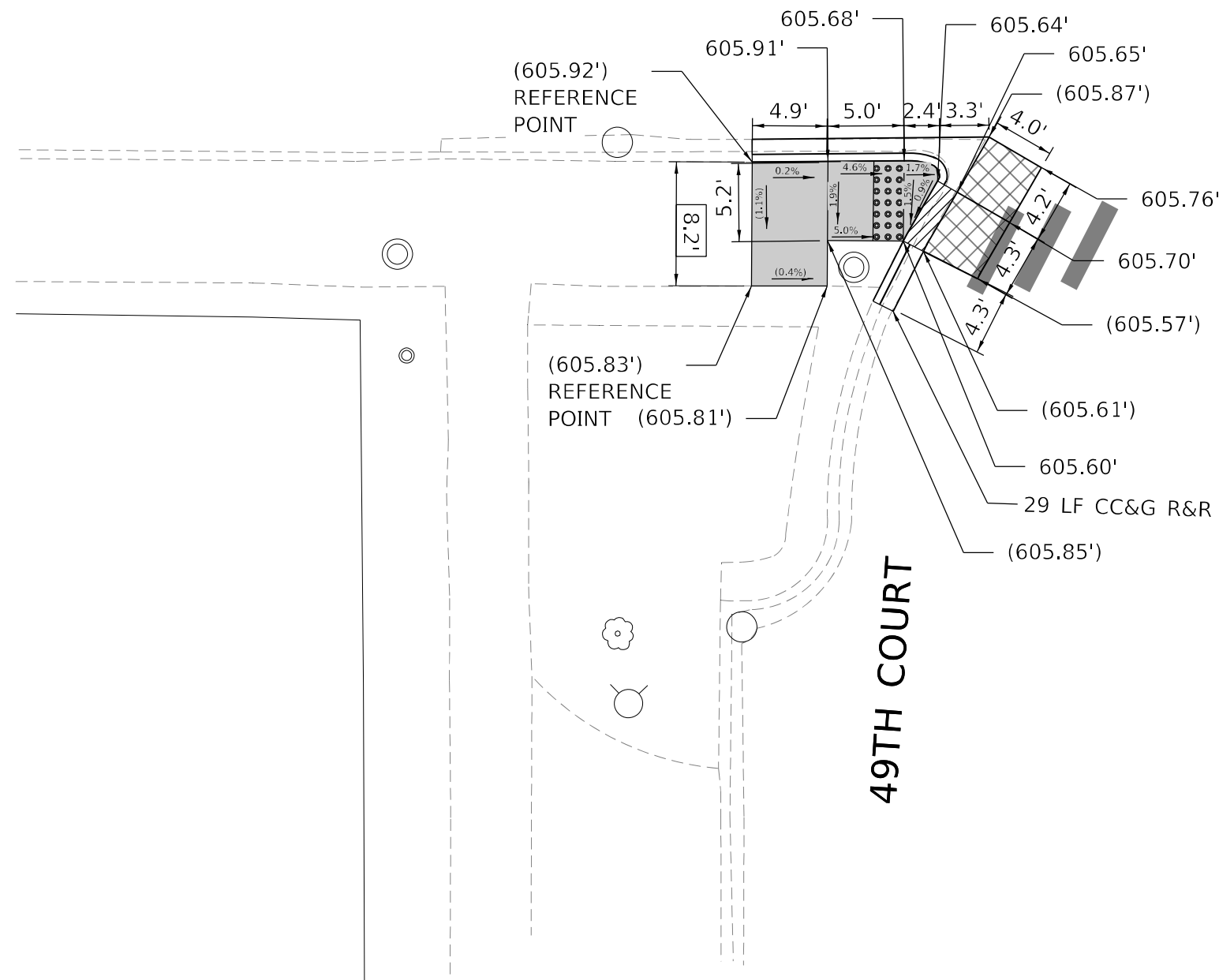
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT 50TH AVE.**

SCALE: 1" = 10' SHEET 39 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	54
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

ROOSEVELT RD.



REFERENCE BENCHMARK #55, ELEV. 608.62'
 LOCATION: SW CORNER OF ROOSEVELT RD AT 49TH CT
 BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

- PROPOSED DETECTABLE WARNINGS
- DEPRESSED CURB AND GUTTER
- PAVEMENT PATCHING
- REMOVE AND REINSTALL BRICK PAVER
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION
CONCRETE CURB & GUTTER
OR CURB TYPE B
- () EXISTING ELEVATION/SLOPE
- XX.XX' EXISTING LENGTH
- XX.XX' PROPOSED LENGTH

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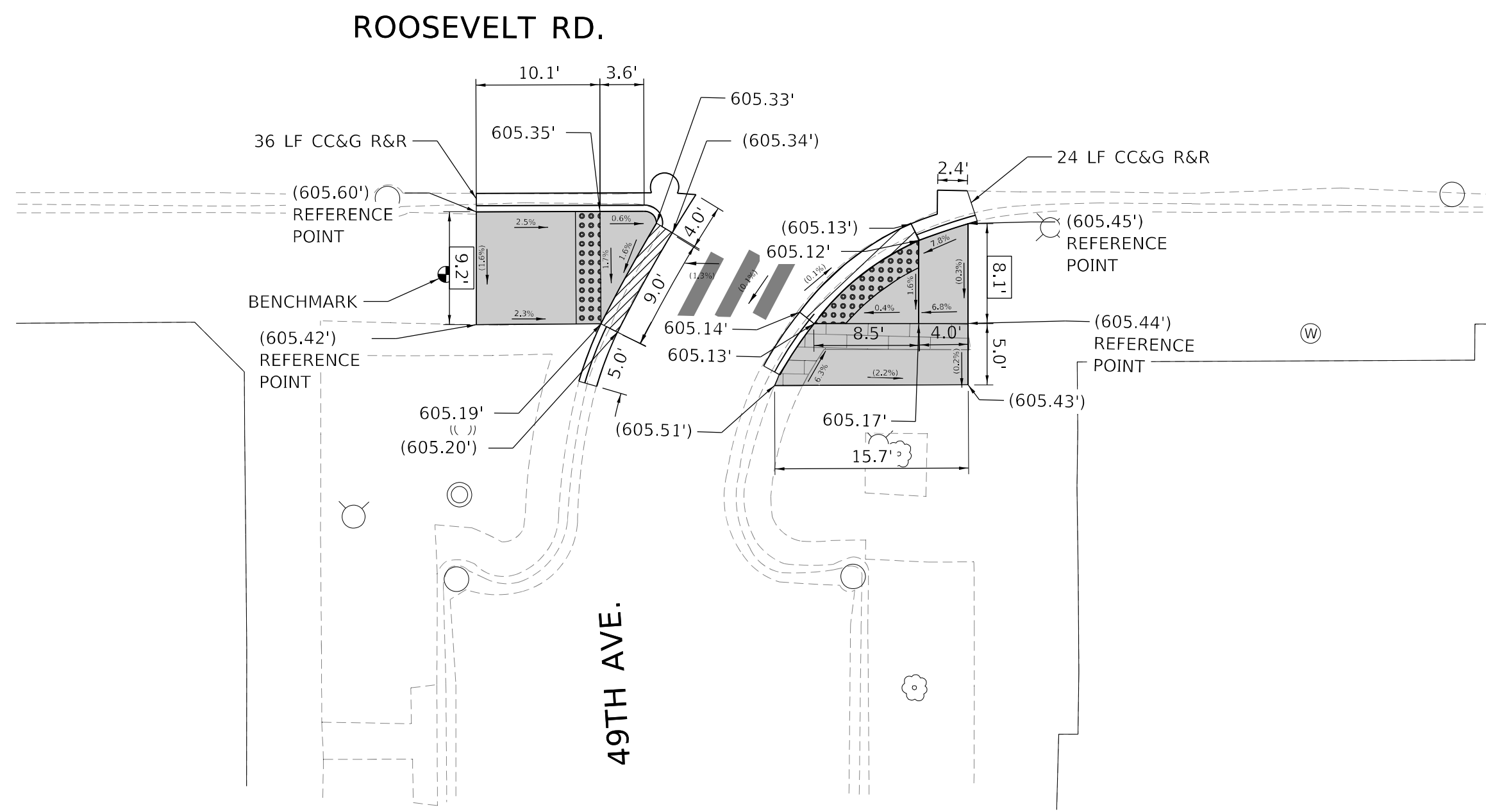
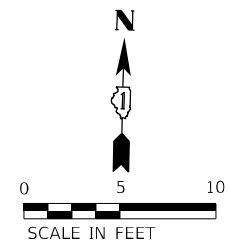
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PLOT DATE = 11/18/2022		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN ROOSEVELT RD. AT 49th CT.

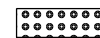

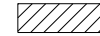



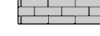



SCALE: 1" = 10' SHEET 40 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	55
CONTRACT NO. 62N79			ILLINOIS FED. AID PROJECT	



REFERENCE BENCHMARK #56, ELEV. 606.84'
 LOCATION: SW CORNER OF ROOSEVELT RD AT 49TH AVE
 BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  DEPRESSED CURB AND GUTTER
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  XX.XX' EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' PROPOSED LENGTH

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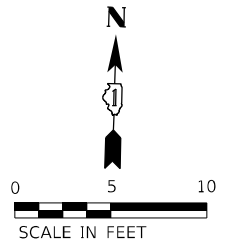
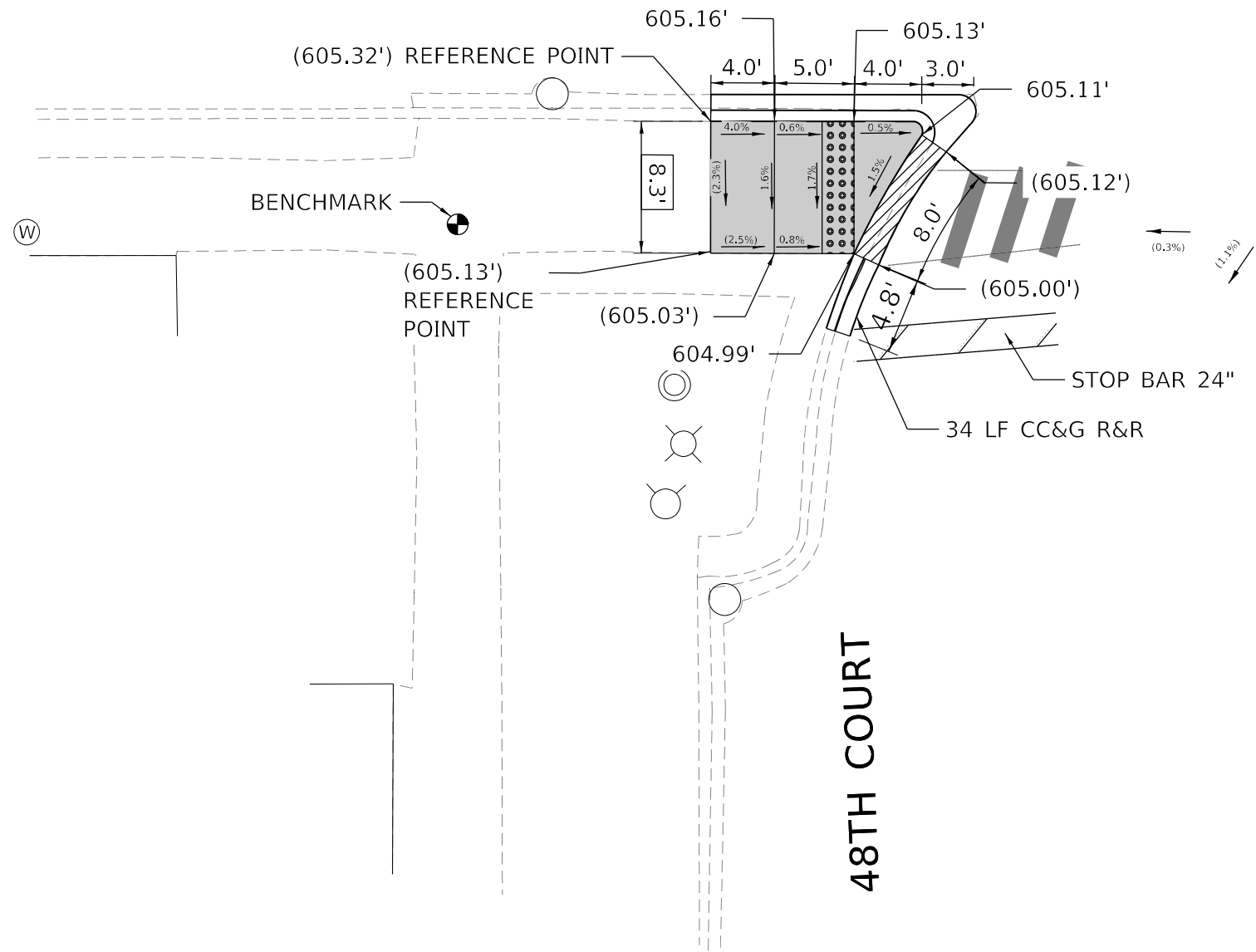
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT 49TH AVE.**

SCALE: 1" = 10' SHEET 41 OF 43 SHEETS STA. TO STA.





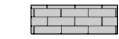



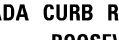

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347	2021-047-R5	COOK	97	56
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

ROOSEVELT RD.



REFERENCE BENCHMARK #57, ELEV. 607.52'
 LOCATION: SW CORNER OF ROOSEVELT RD AT 48TH CT
 BENCHMARK: ARROW BOLT OF FIRE HYDRANT

LEGEND

-  PROPOSED DETECTABLE WARNINGS
-  PROPOSED PCC SIDEWALK
-  PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
-  DEPRESSED CURB AND GUTTER
-  PAVEMENT PATCHING
-  () EXISTING ELEVATION/SLOPE
-  REMOVE AND REINSTALL BRICK PAVER
-  XX.XX' EXISTING LENGTH
-  SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
-  XX.XX' PROPOSED LENGTH

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP IMPROVEMENT PLAN
 ROOSEVELT RD. AT 48th CT.

SCALE: 1" = 10' SHEET 42 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	57
CONTRACT NO. 62N79				

ILLINOIS FED. AID PROJECT

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USER NAME = ChiSengCheong	DESIGNED - SSM	REVISED -
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PLOT SCALE = 10,0000 * / in.	DATE - 11/18/2022	REVISED -
PLOT DATE = 11/18/2022		

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			RELOCATE ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			ABANDON ITEM					
FLASHER INSTALLATION -(FS) SOLAR POWERED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			SIGNAL POST AND FOUNDATION TO BE REMOVED					
RADAR DETECTION SENSOR			DETECTOR LOOP, TYPE I					
VIDEO DETECTION CAMERA			PREFORMED DETECTOR LOOP					
RADAR/VIDEO DETECTION ZONE			SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
CONFIRMATION BEACON			WIRELESS DETECTOR SENSOR					
WIRELESS INTERCONNECT			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT RADIO REPEATER								

TS SHT NO. 1

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

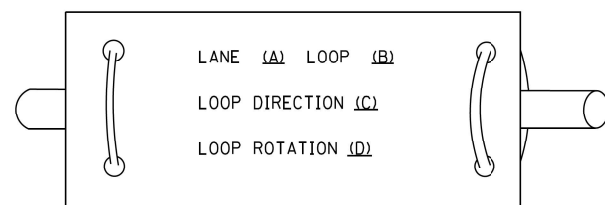
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	59
TS-05			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				

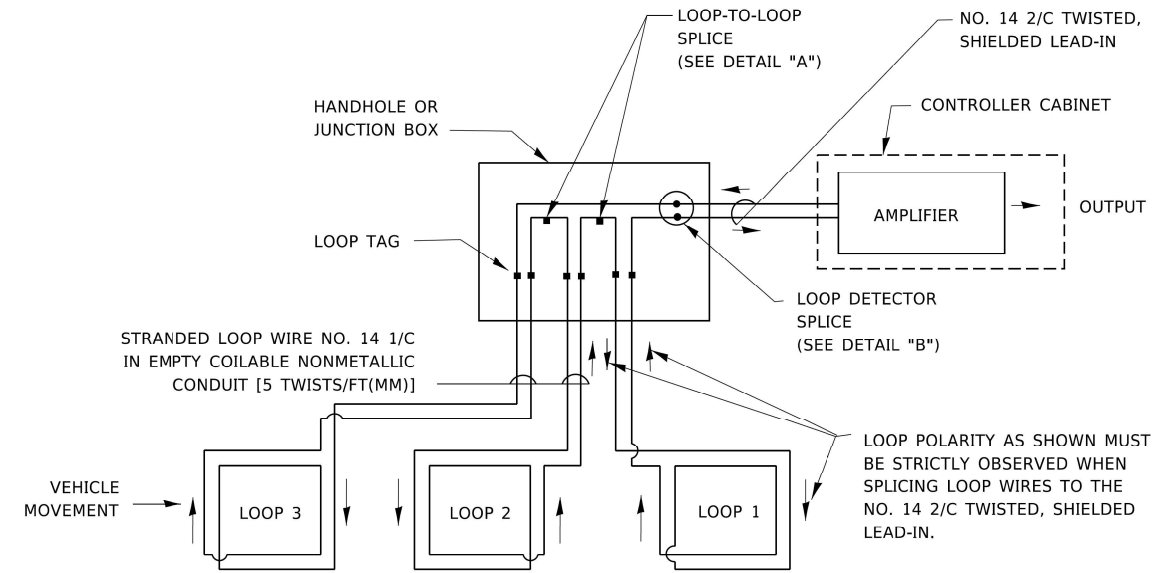
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

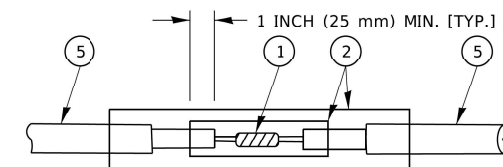


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

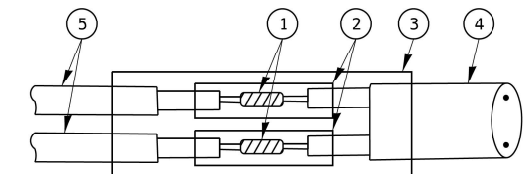


DETECTOR LOOP WIRING SCHEMATIC

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

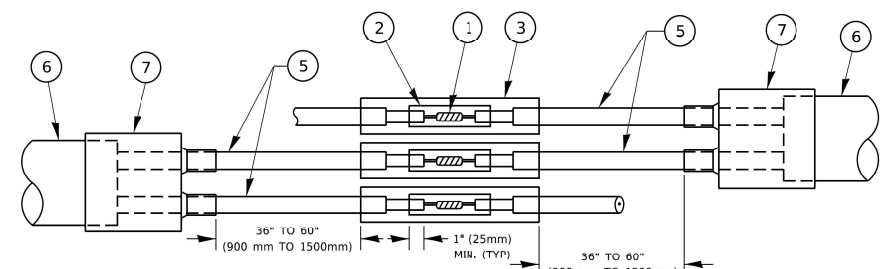


DETAIL "A"
LOOP-TO-LOOP SPLICE

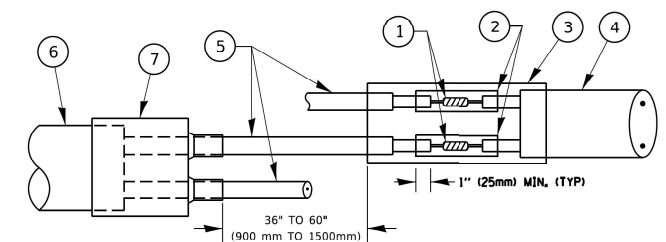


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

TS SHT NO. 2

MODEL B: Accurate Group, Inc. FILE NAME: C:\Engineering\Live\Projects\1003_IDOT_DUB_HBR\10 - Var #05\CADD\CADD_Sheets\Civil\62179\62179-sht-no.2.dgn



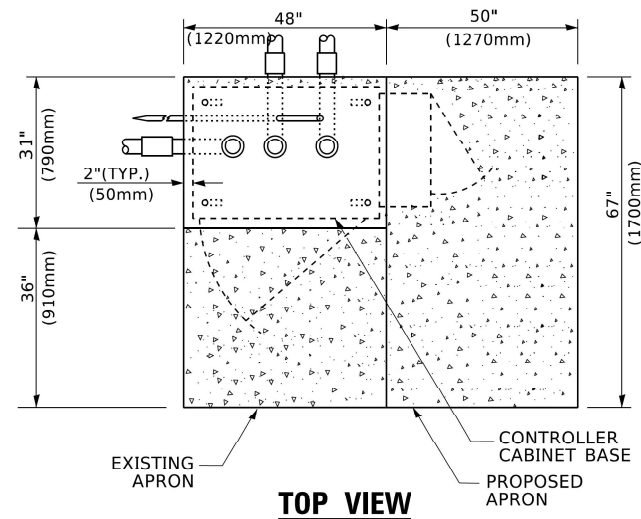
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

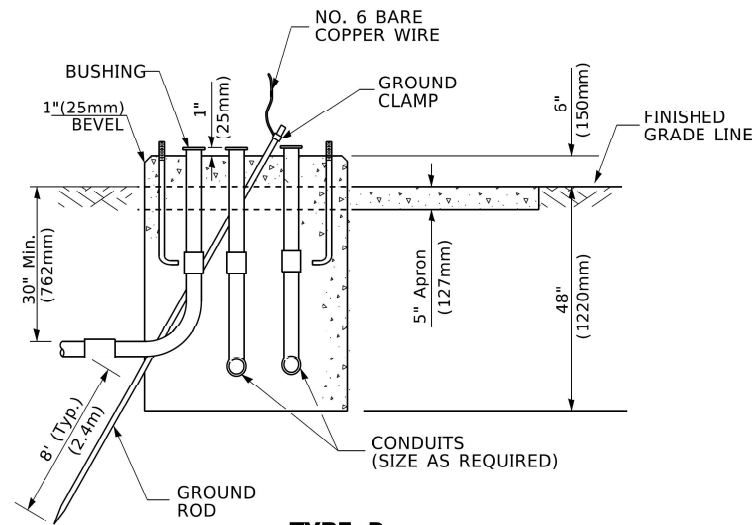
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

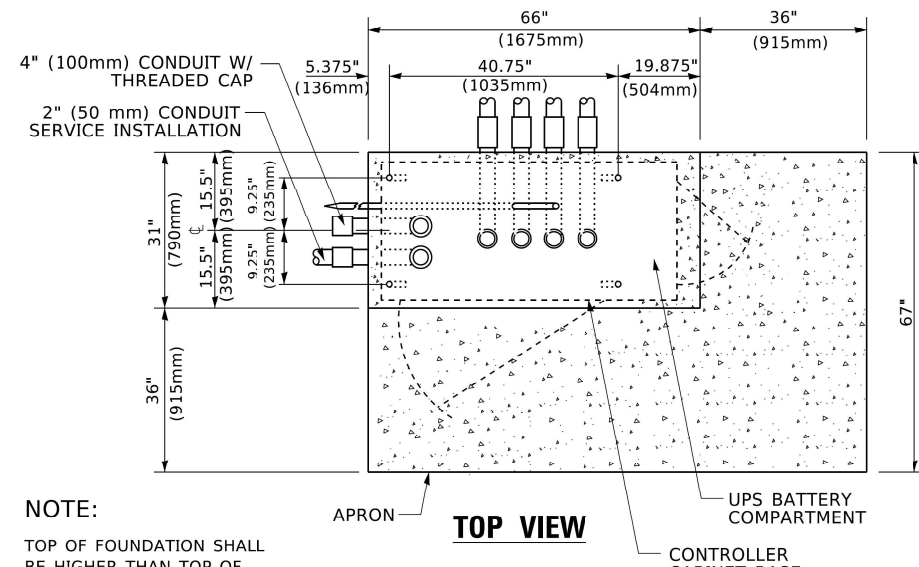
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 60
TS-05		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				



TOP VIEW



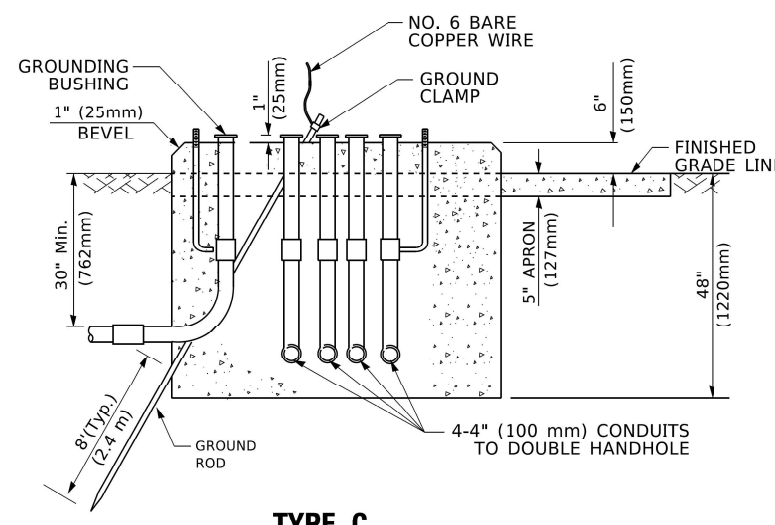
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



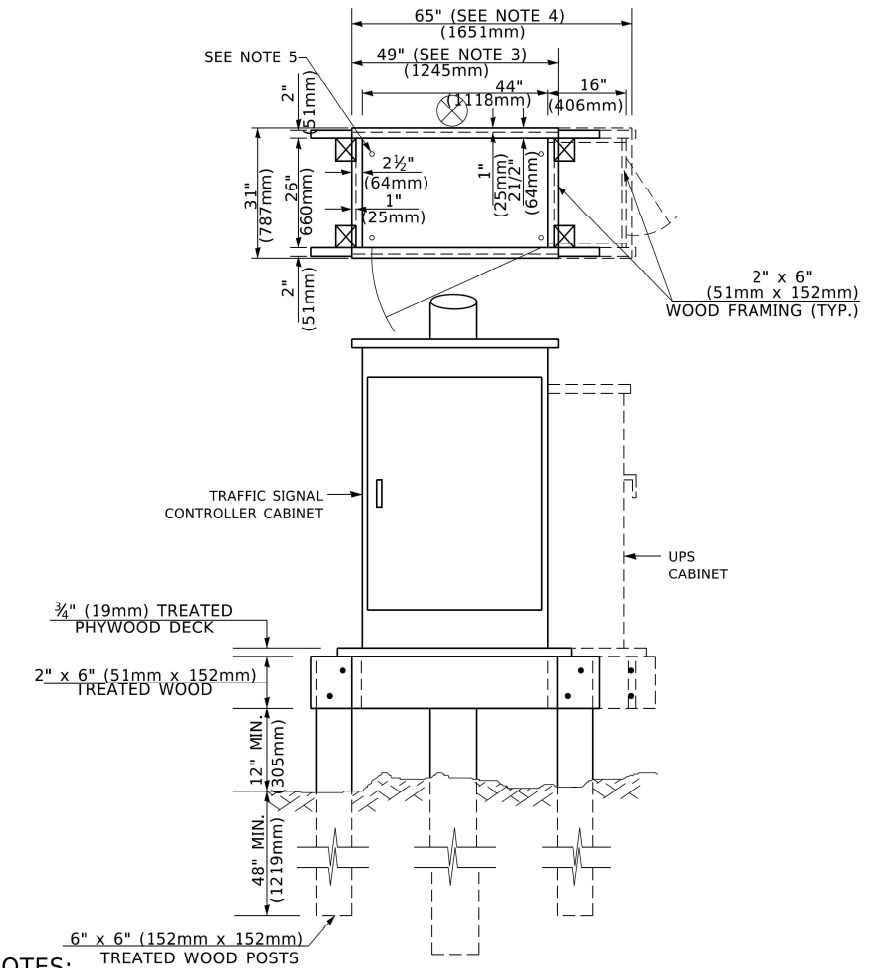
TOP VIEW

NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
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 less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TS SHT NO. 5

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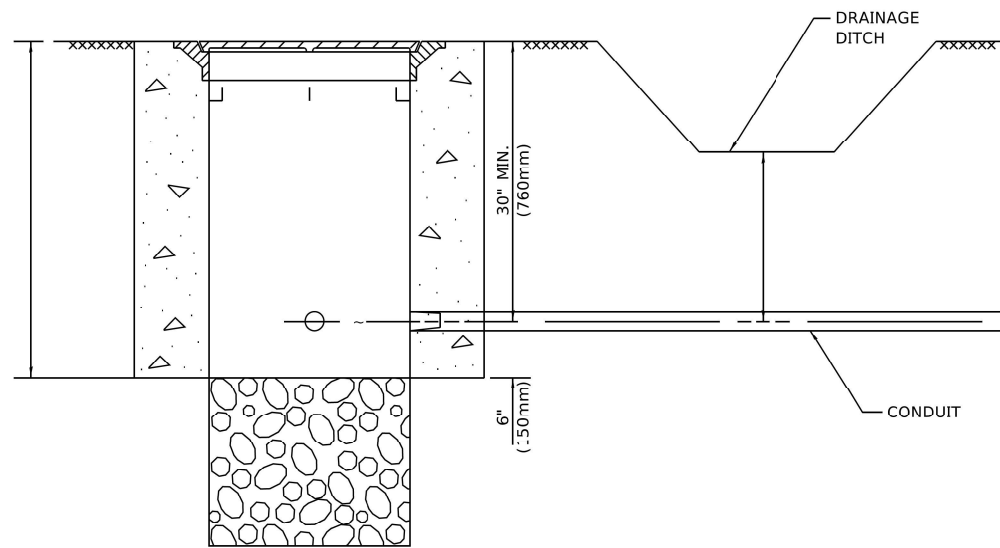
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

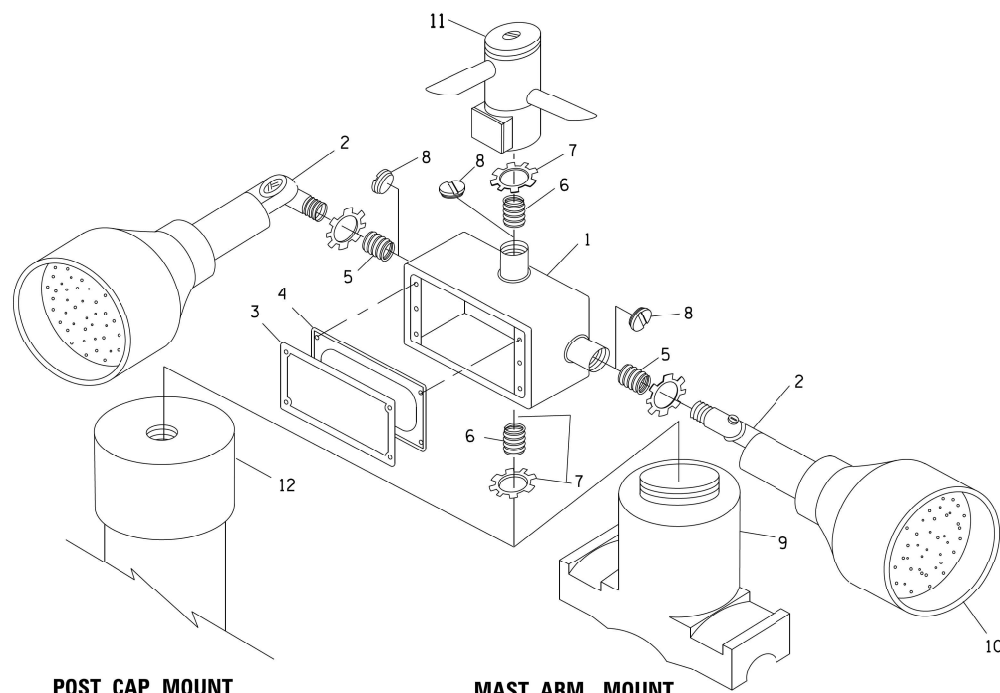
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 63
TS-05		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				



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.

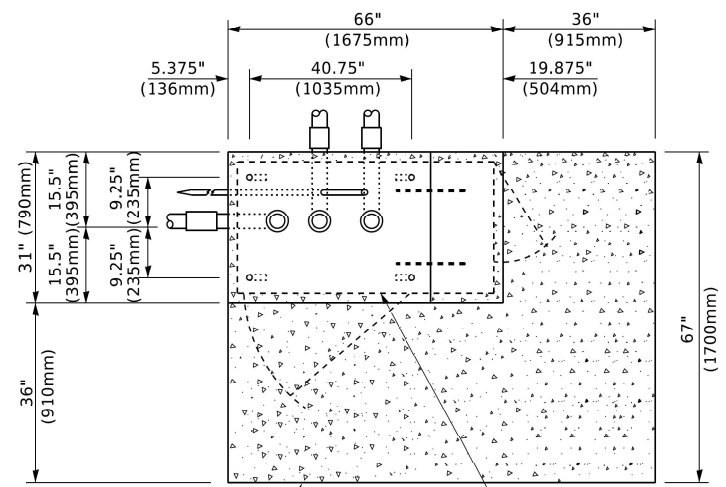
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



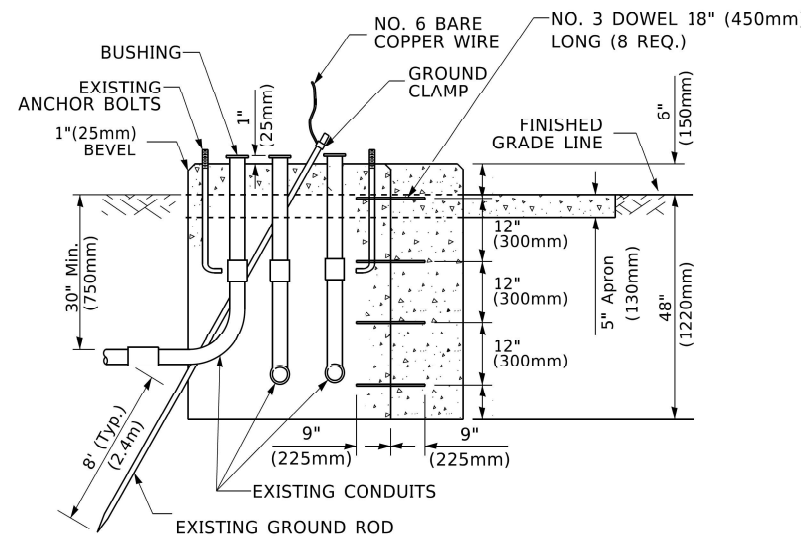
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

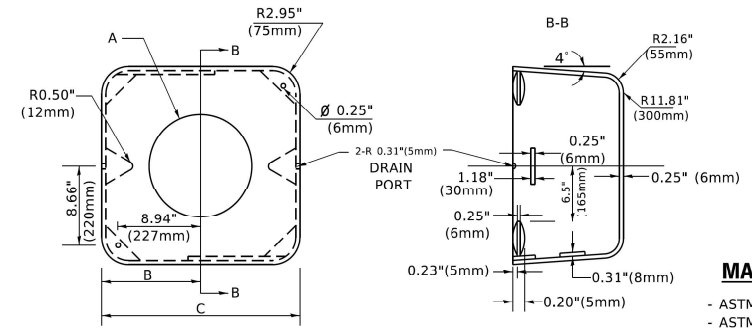


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

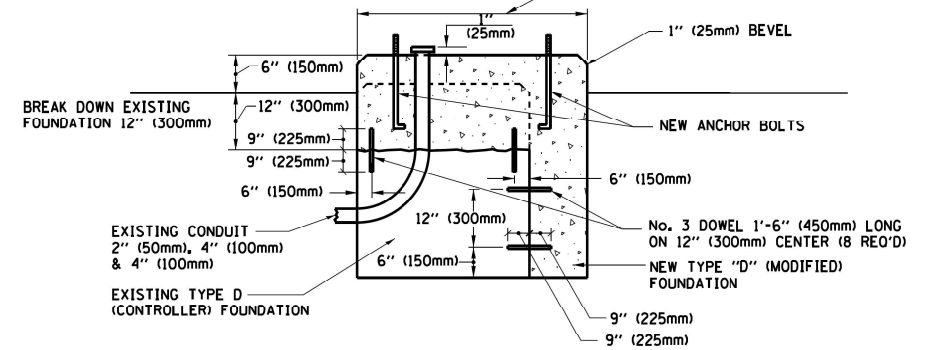
SHROUD

NOTES:

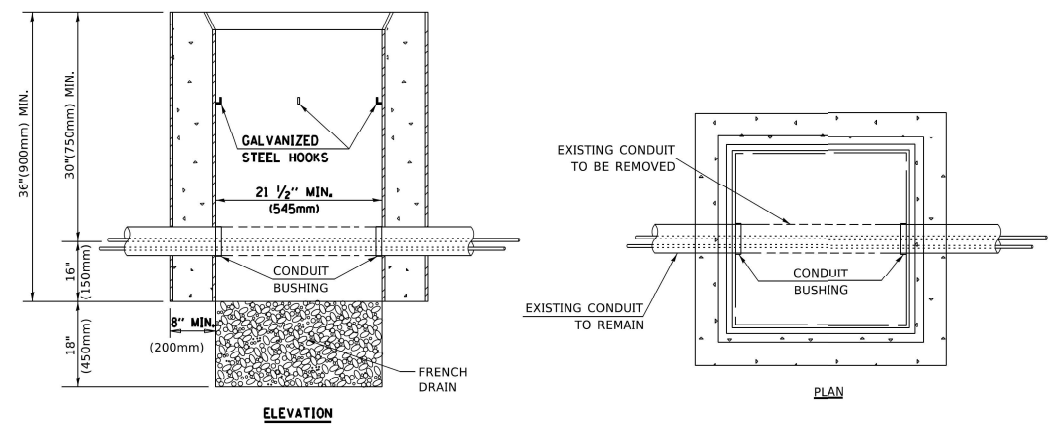
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 6

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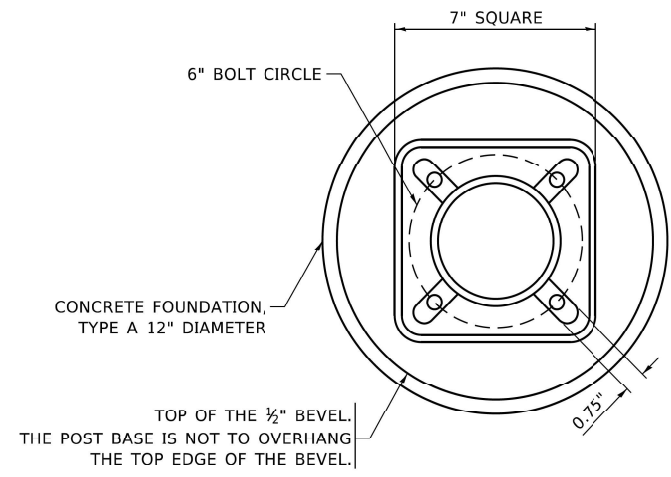
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

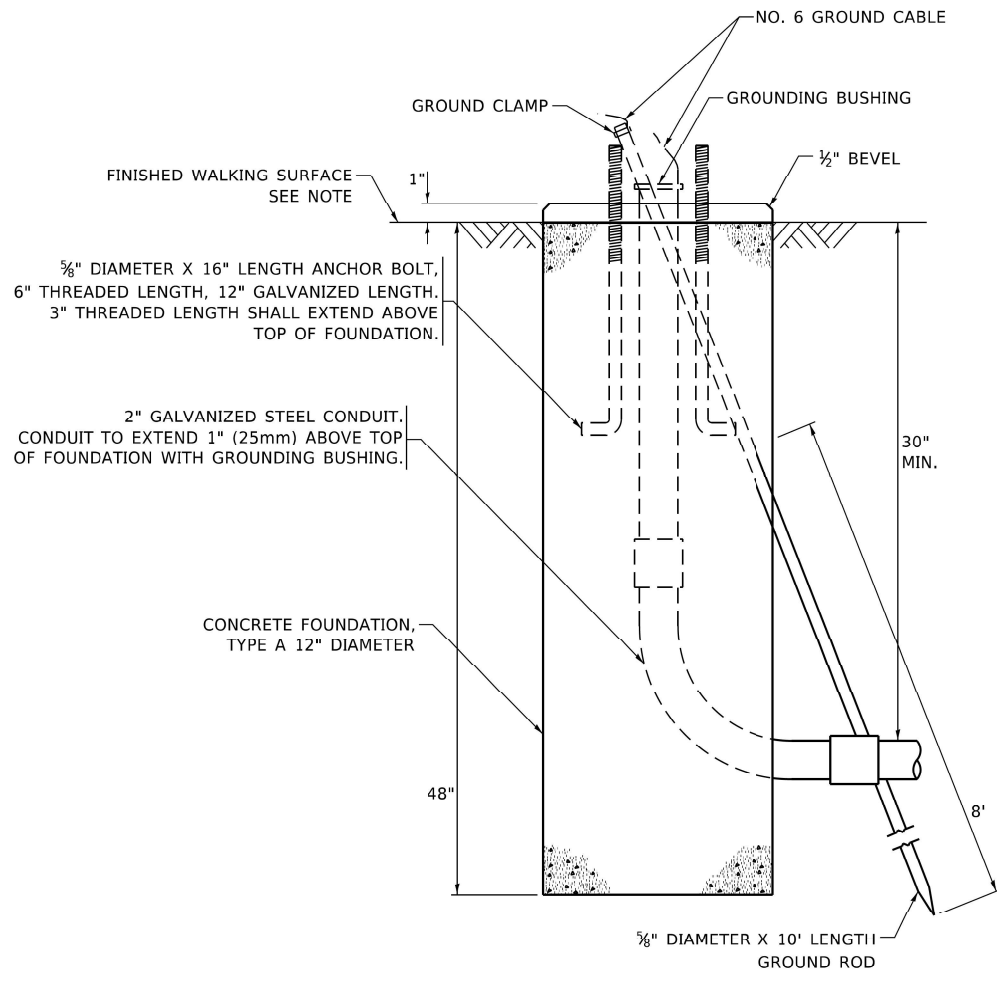
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F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 64
TS-05		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				

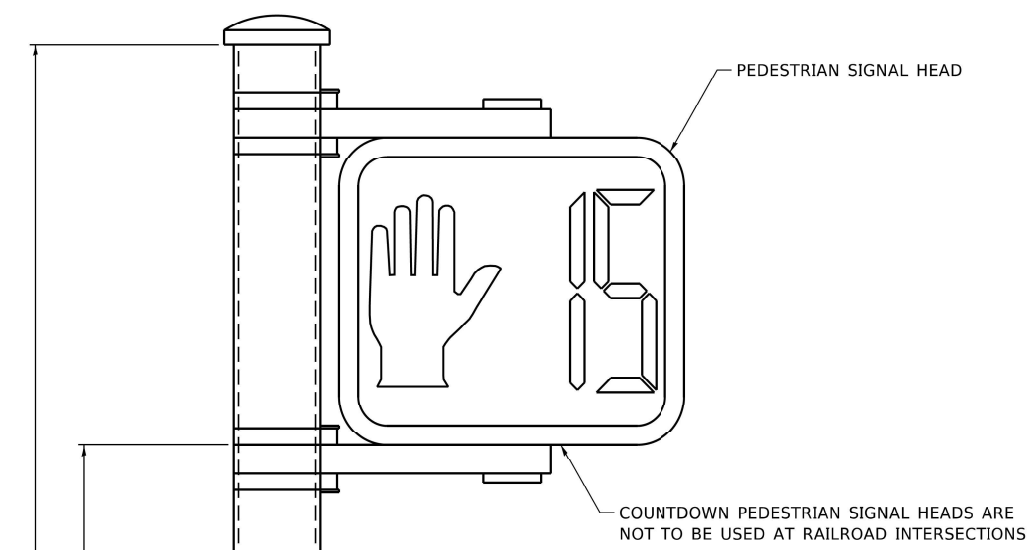


BOLT PATTERN

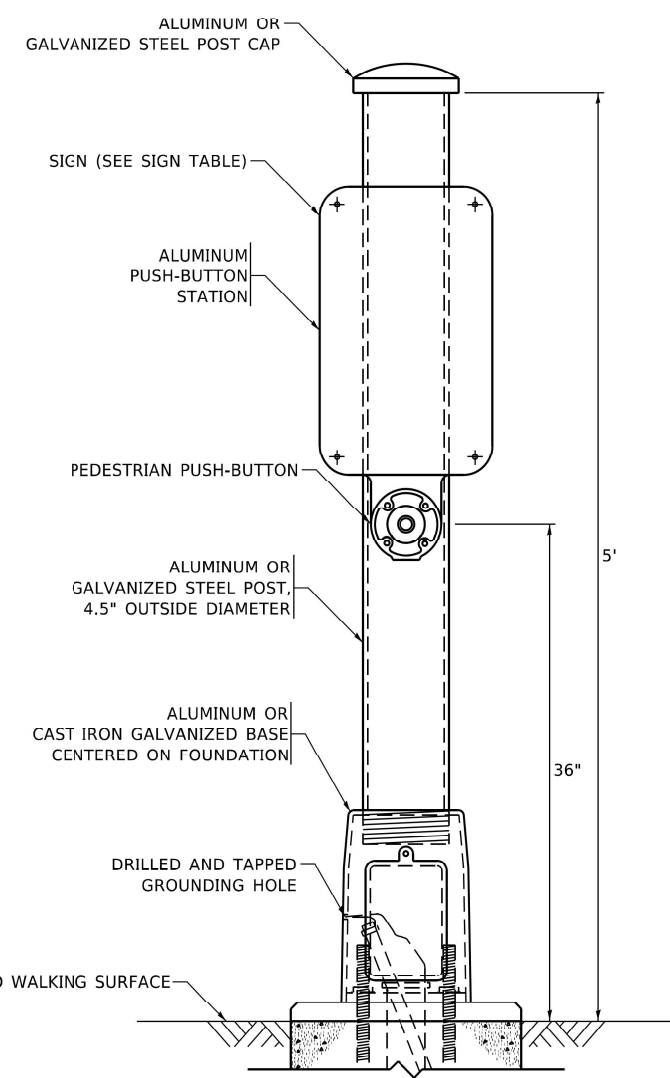
NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



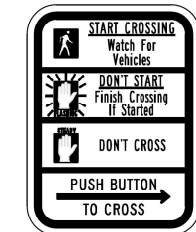
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



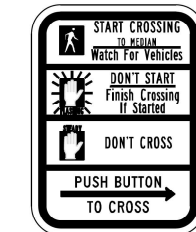
PEDESTRIAN SIGNAL POST, 10 FT.



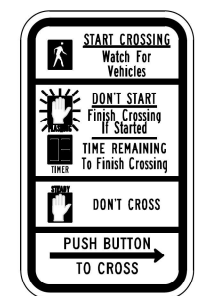
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

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

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

TS SHT NO. 7

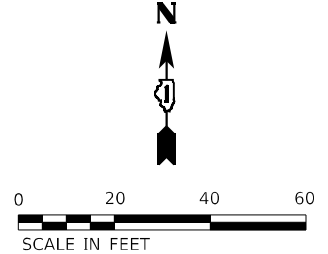
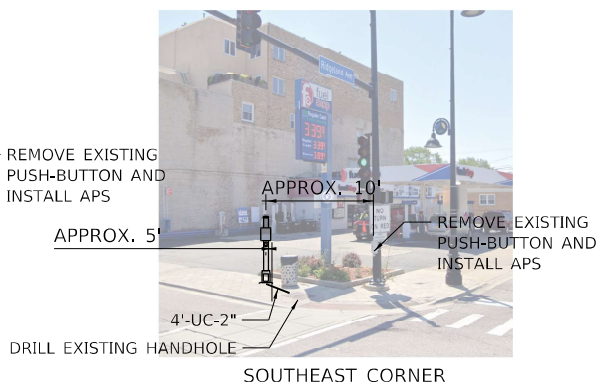
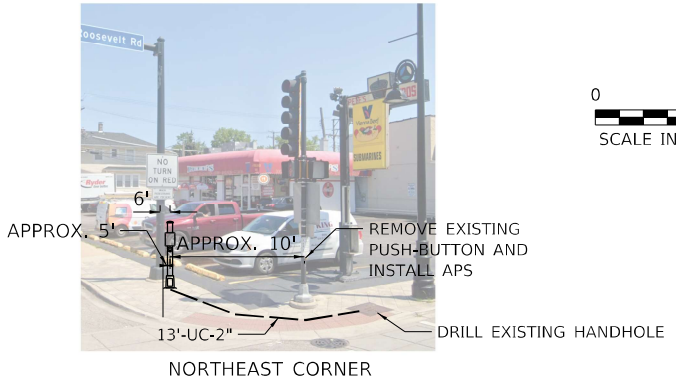
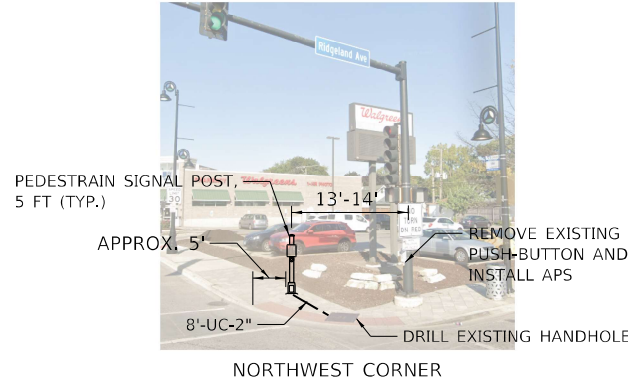
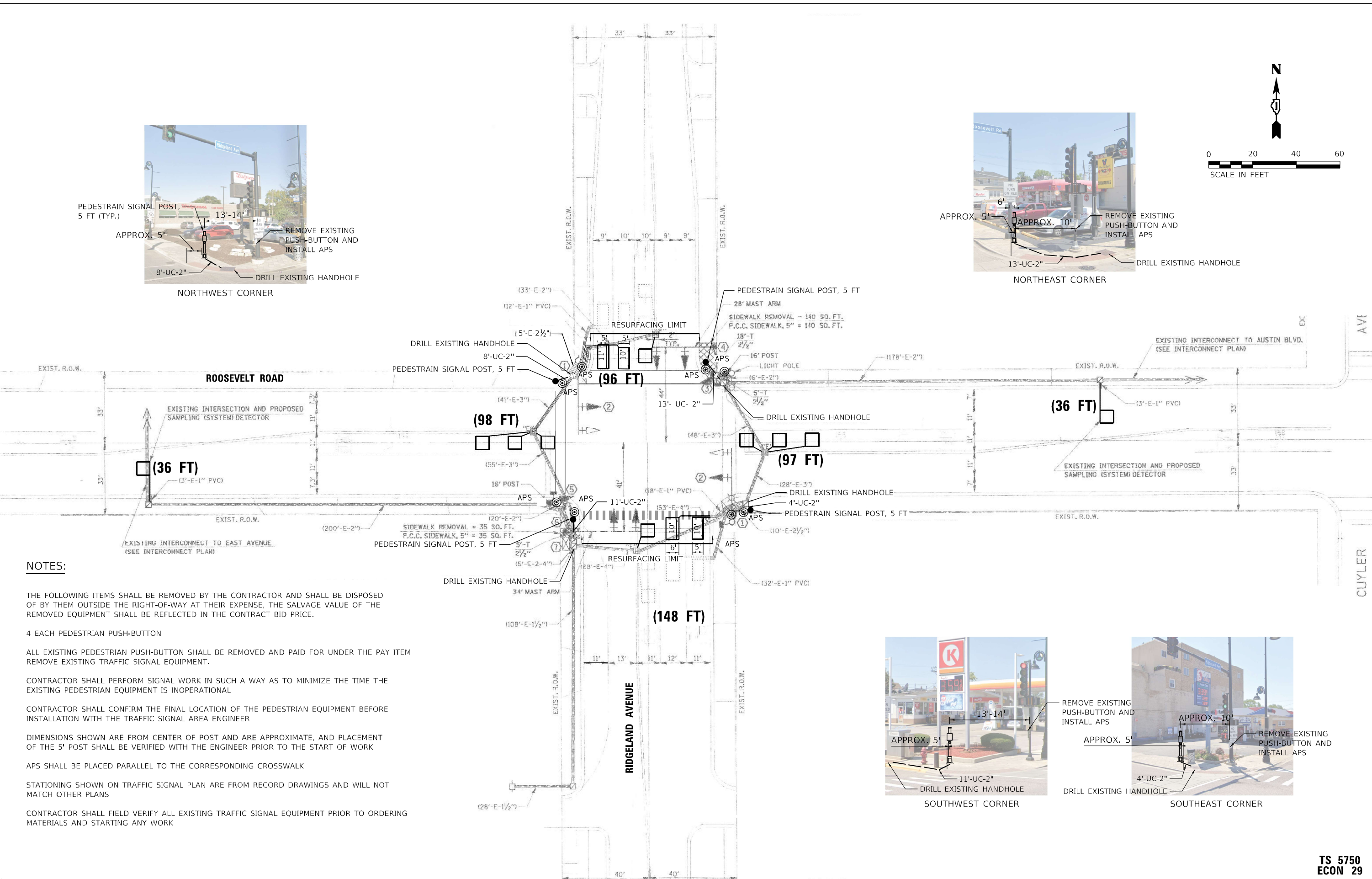
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	65
TS-05		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				



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-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.
- 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
- DIMENSIONS SHOWN ARE FROM CENTER OF POST AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK



USER NAME = jdavis	DESIGNED - MA	REVISED -
DRAWN - MA	REVISED -	
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PLOT DATE = 11/17/2022	DATE - 11-18-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROOSEVELT RD AND RIDGELAND AVE
APS AND DETECTOR LOOP REPLACEMENT PLAN**

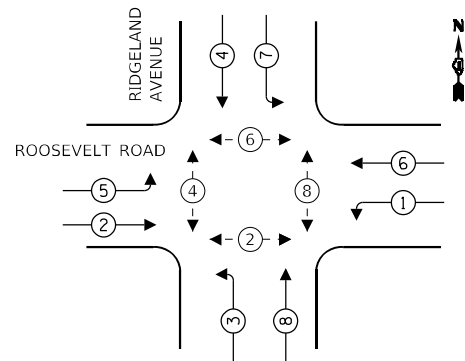
SCALE: 1" = 20' SHEET 1 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 66
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	36
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	553
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	EACH	62
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE 1	FOOT	473
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A, 12 INCH DIA.	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

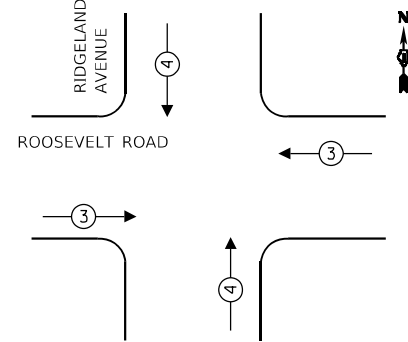
EXISTING CONTROLLER SEQUENCE



LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP
- * REFERS TO ASSOCIATED PHASE

EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

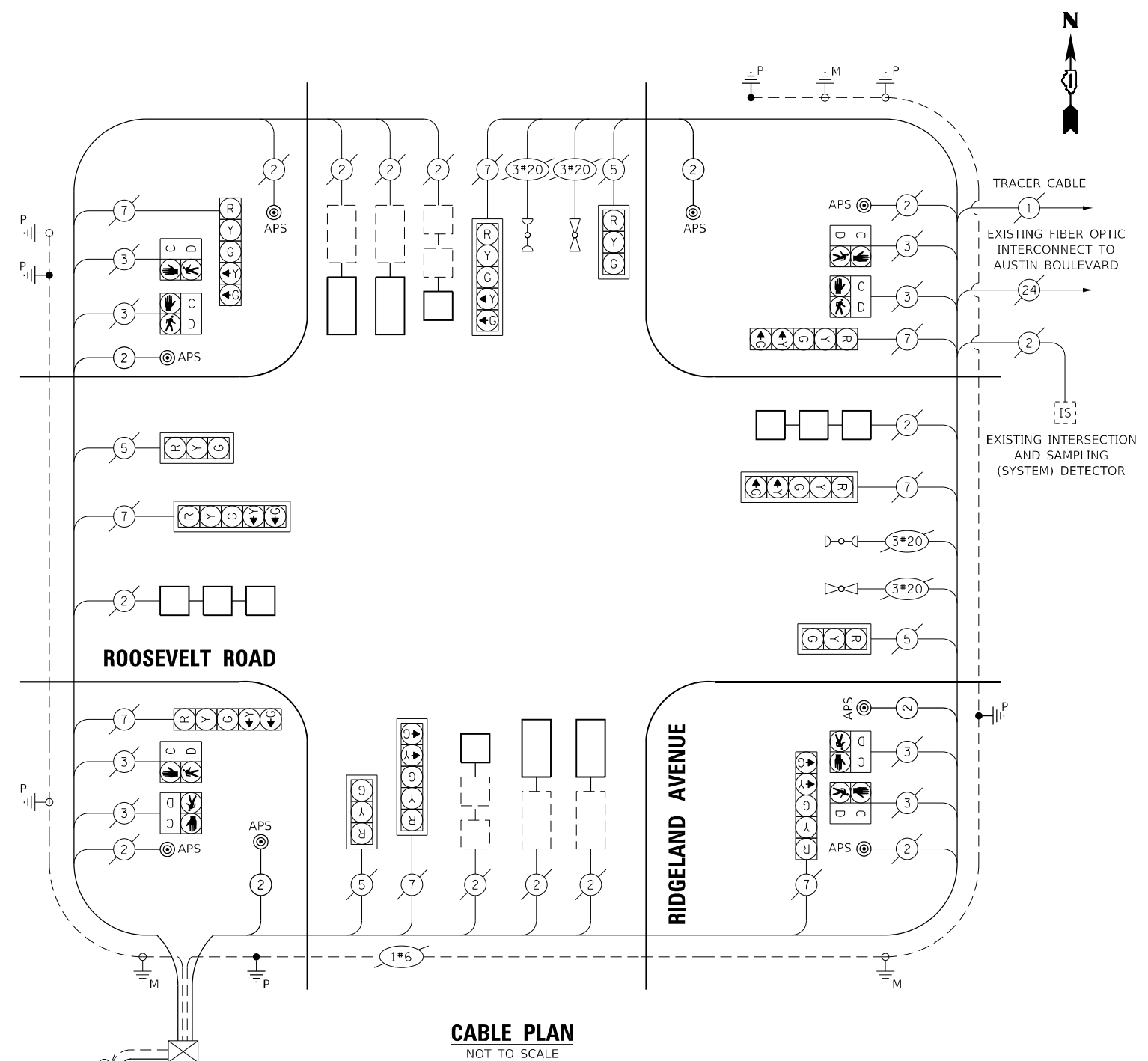
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	50	102
(YELLOW)	12	25	25	75
(GREEN)	12	15	25	45
ARROW (YELLOW)	8	12	10	10
(GREEN)	8	12	10	10
PED. SIGNAL	8	25	100	200
CONTROLLER	1	100	100	100
ILLUM. SIGN		100	50	
FLASHER		25	50	
TOTAL =				542

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 18231-38139



TS SHT NO. 9

MODEL: Default; FILE NAME: G:\Engineering\Live\Projects\1003_IDOT_DUB_HPRVIO_14_Vor_APS\CADD\CADD_Sheet\Chil631019.D; RIDGELAND AVE 2.dgn



USER NAME = jdvais	DESIGNED - PV	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - PV	REVISED -
PLOT DATE = 11/17/2022	CHECKED - JJD	REVISED -
	DATE - 11-18-2022	REVISED -

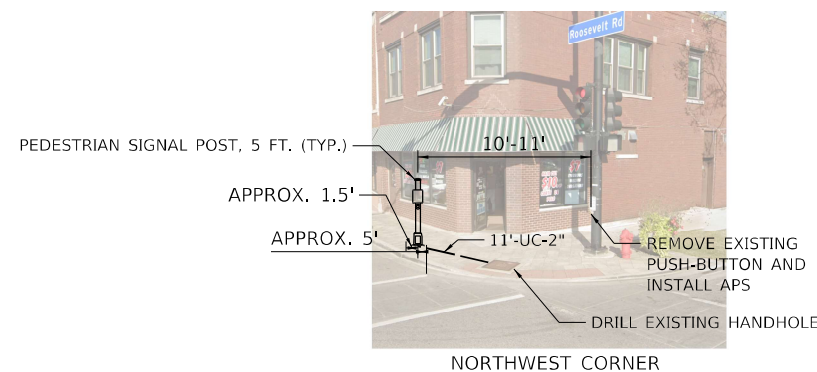
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Roosevelt Rd and Ridgeland Ave
APS and Detector Loop Replacement Plan

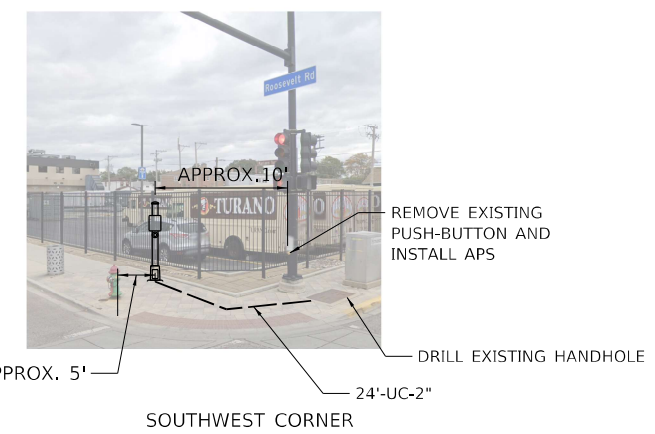
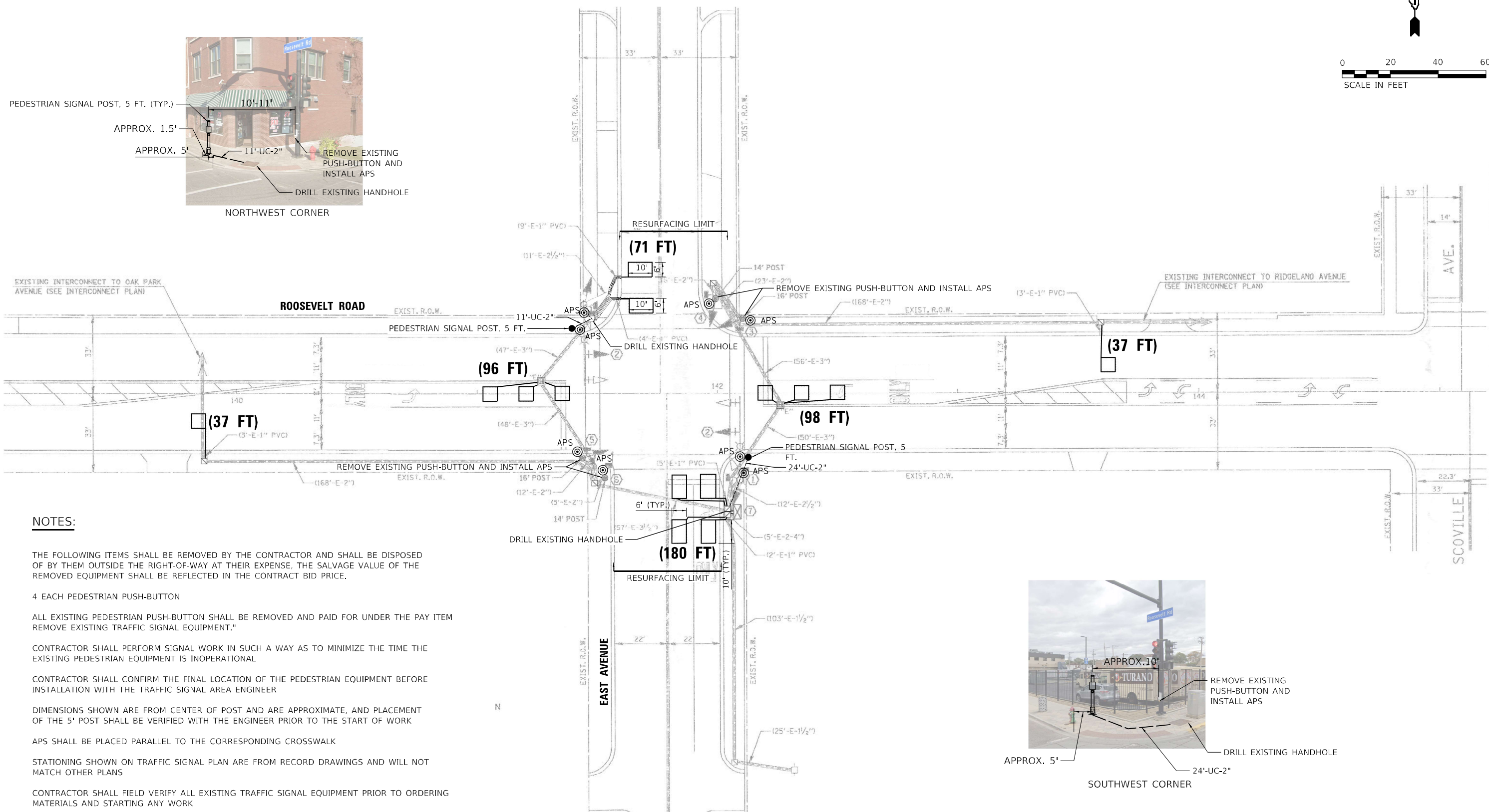
SCALE: 1" = 50' SHEET 2 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 67
			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				

TS 5750
ECON 29



PEDESTRIAN SIGNAL POST, 5 FT. (TYP.)
 APPROX. 1.5'
 APPROX. 5'
 10'-11"
 11'-UC-2"
 REMOVE EXISTING PUSH-BUTTON AND INSTALL APS
 DRILL EXISTING HANDHOLE
 NORTHWEST CORNER



APPROX. 10'
 APPROX. 5'
 REMOVE EXISTING PUSH-BUTTON AND INSTALL APS
 DRILL EXISTING HANDHOLE
 24'-UC-2"
 SOUTHWEST CORNER

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-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."
- 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
- DIMENSIONS SHOWN ARE FROM CENTER OF POST AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

TS SHT NO. 10

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PLOT DATE = 11/17/2022	CHECKED - JJD	REVISED -
	DATE - 11-18-2022	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**ROOSEVELT RD AND EAST AVE
 APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 20' SHEET 3 OF 14 SHEETS STA. TO STA.

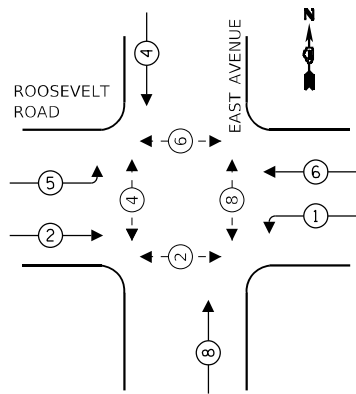
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 68
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

TS 5735
 ECON 29

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	35
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	273
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	EACH	35
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	519
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A, 12 INCH DIA.	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

EXISTING CONTROLLER SEQUENCE



- LEGEND**
- ← * → DUAL ENTRY PHASE
 - ← * → PEDESTRIAN PHASE
 - ← * OL → OVERLAP
 - * REFERS TO ASSOCIATED PHASE

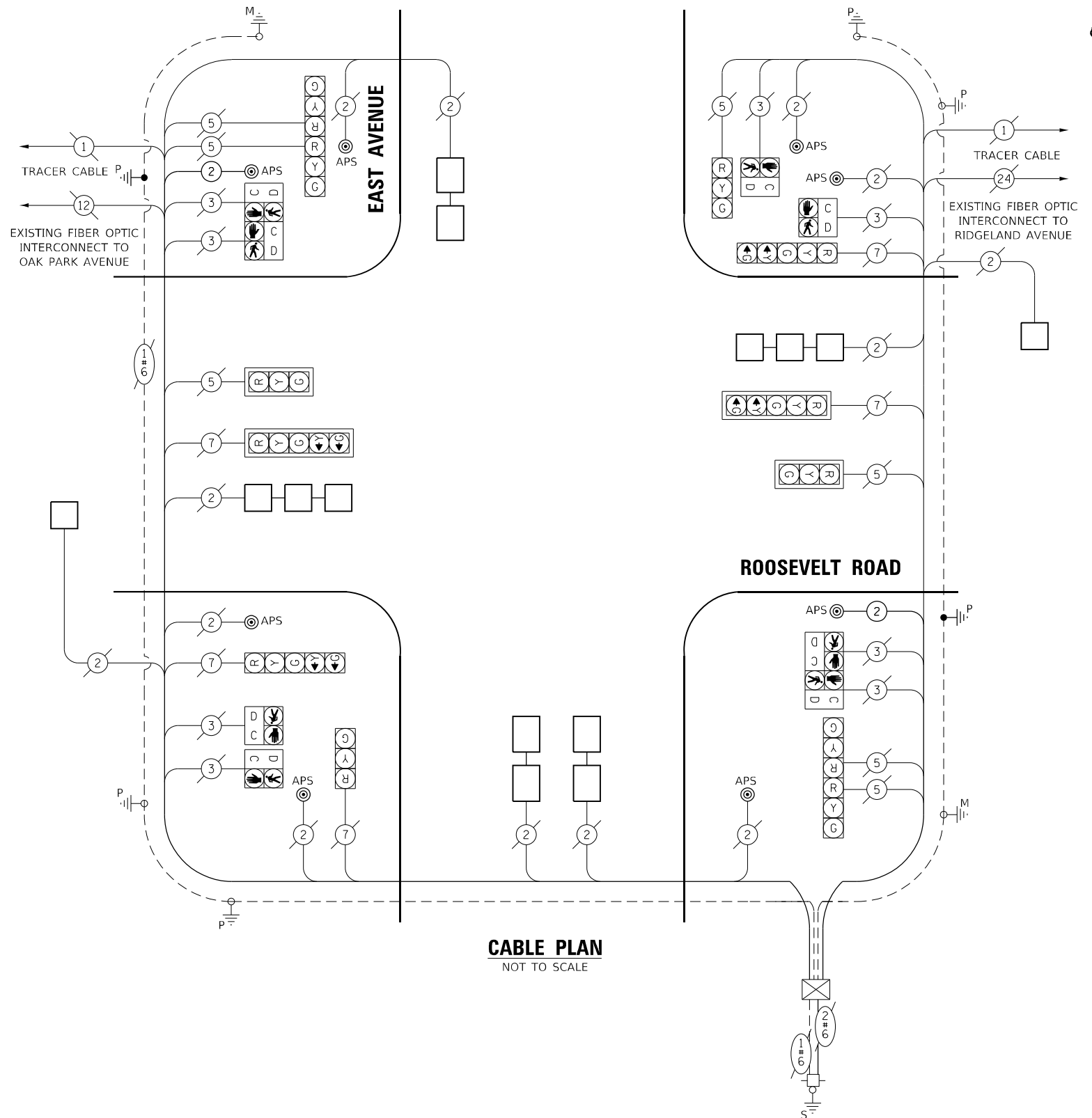
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	50	102
(YELLOW)	12	25	25	75
(GREEN)	16	15	25	60
ARROW (YELLOW)	4	12	10	5
(GREEN)	4	12	10	5
PED. SIGNAL	8	25	100	200
CONTROLLER	1	100	100	100
ILLUM. SIGN		100	50	
FLASHER		25	50	
TOTAL =				547

ENERGY COSTS TO:

VILLAGE OF OAK PARK
123 MADISON ST
OAK PARK, IL 60302

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 79250-28009



CABLE PLAN
NOT TO SCALE

TS SHT NO. 11

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	DATE - 11-18-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

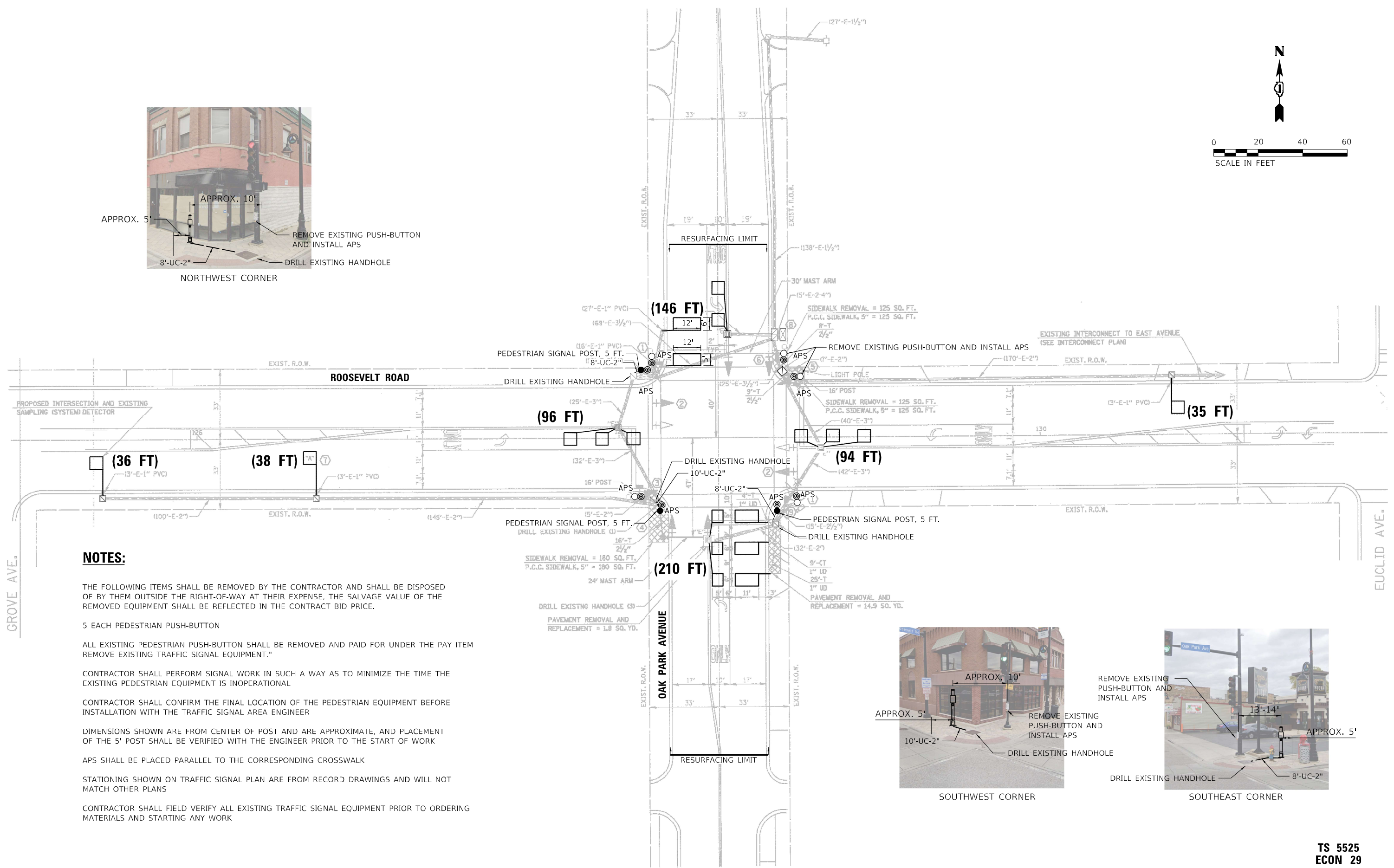
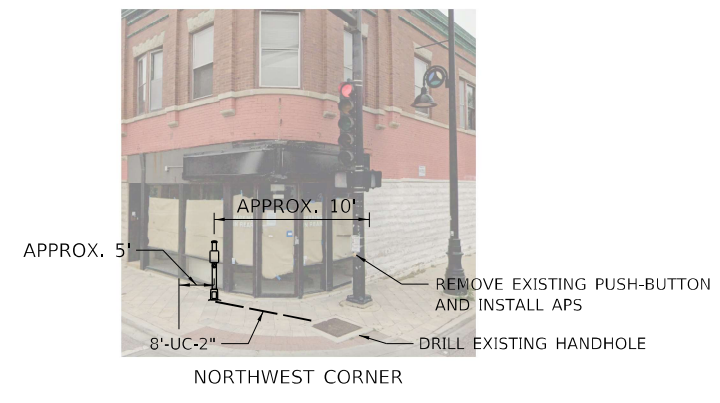
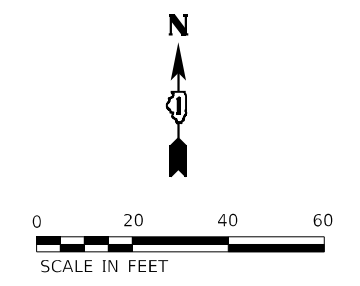
**ROOSEVELT RD AND EAST AVE
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 50' SHEET 4 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	69
CONTRACT NO. 62N79				

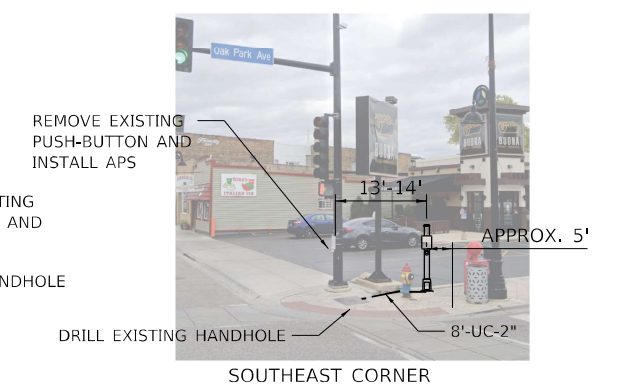
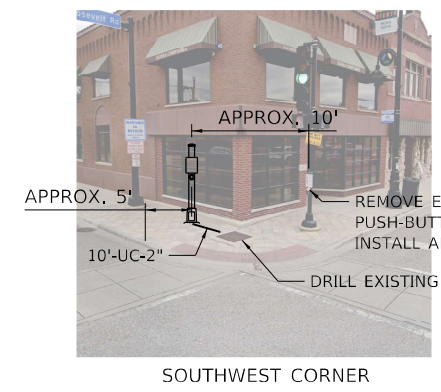
**TS 5735
ECON 29**

ILLINOIS FED. AID PROJECT



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.
- 5 EACH PEDESTRIAN PUSH-BUTTON
- ALL EXISTING PEDESTRIAN PUSH-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."
- 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
- DIMENSIONS SHOWN ARE FROM CENTER OF POST AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK



TS SHT NO. 12

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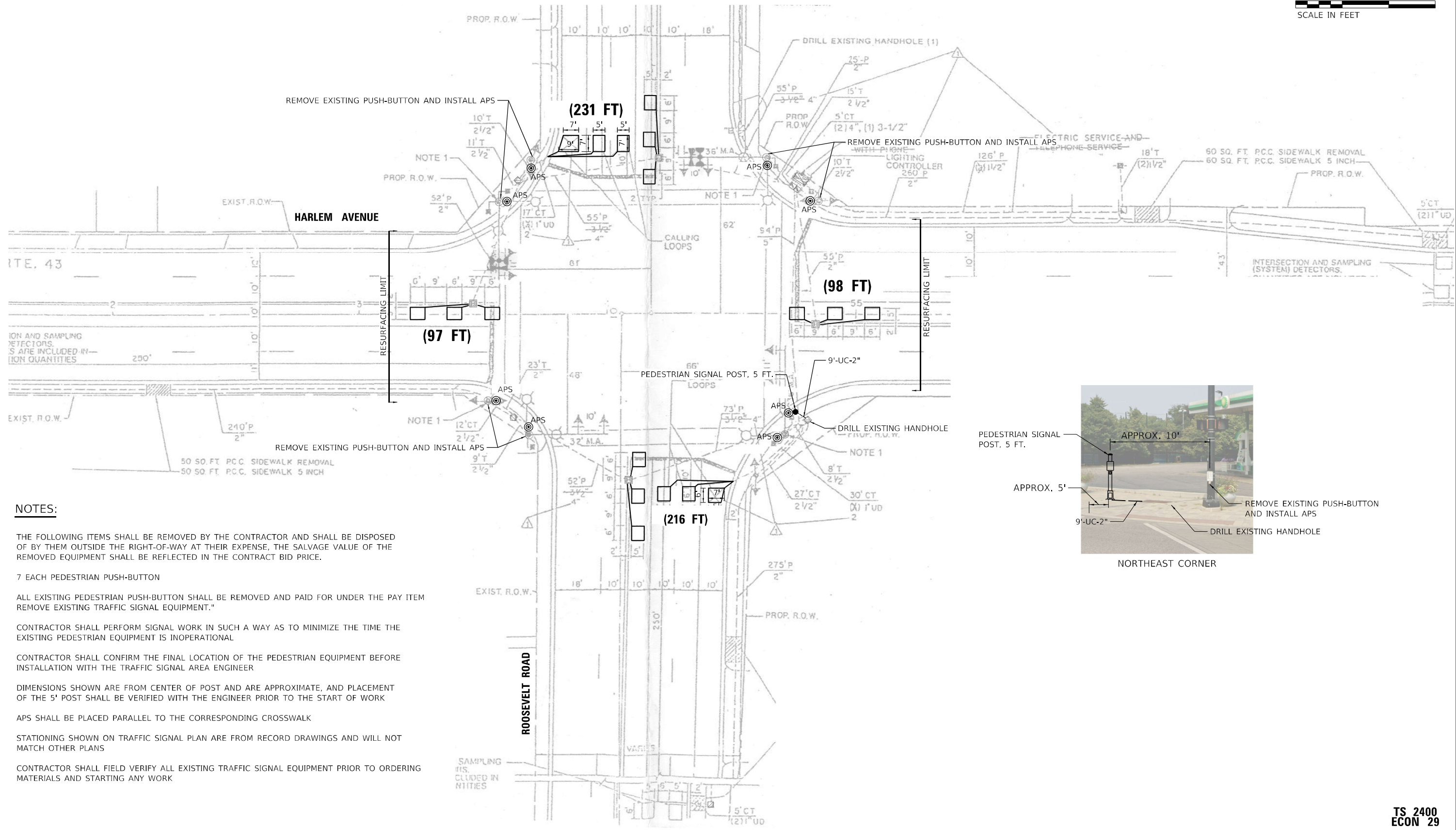
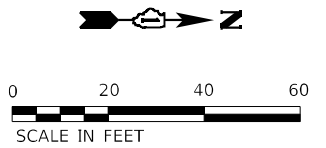
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PLOT DATE = 11/17/2022	DATE - 11-18-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROOSEVELT RD AND OAK PARK AVE APS AND DETECTOR LOOP REPLACEMENT PLAN			
SCALE: 1" = 20'	SHEET 5 OF 14 SHEETS	STA. TO STA.	

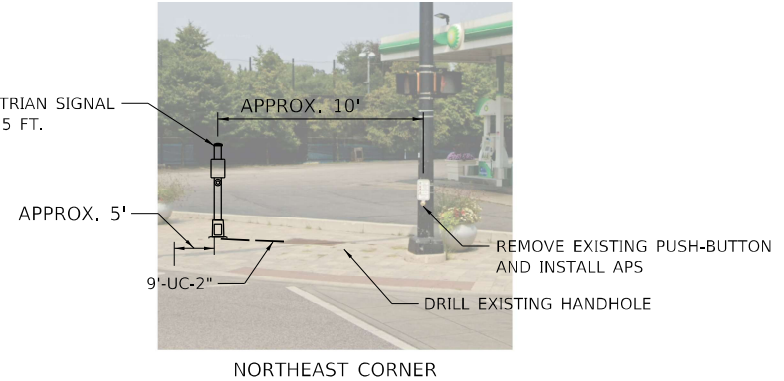
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 70
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

**TS 5525
ECON 29**



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.
- 7 EACH PEDESTRIAN PUSH-BUTTON
- ALL EXISTING PEDESTRIAN PUSH-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."
- 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
- DIMENSIONS SHOWN ARE FROM CENTER OF POST AND ARE APPROXIMATE, AND PLACEMENT OF THE 5' POST SHALL BE VERIFIED WITH THE ENGINEER PRIOR TO THE START OF WORK
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK



TS SHT NO. 14

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 USER: jrdavis
 DATE: 11/17/2022



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PLOT DATE = 11/17/2022	DATE - 11-18-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROOSEVELT RD AND HARLEM AVE APS AND DETECTOR LOOP REPLACEMENT PLAN	
SCALE: 1" = 25'	SHEET 7 OF 14 SHEETS STA. TO STA.

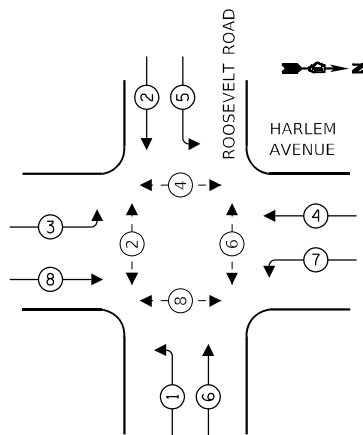
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 72
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

**TS 2400
ECON 29**

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	9
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	170
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	16
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	642
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A, 12 INCH DIA.	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

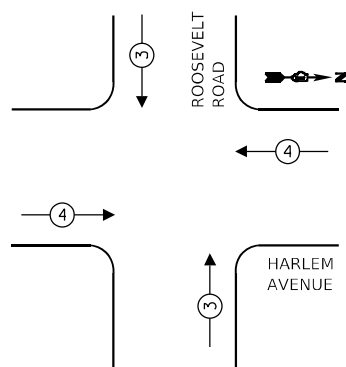
EXISTING CONTROLLER SEQUENCE



LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ← * → OL OVERLAP
- * REFERS TO ASSOCIATED PHASE

EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↓

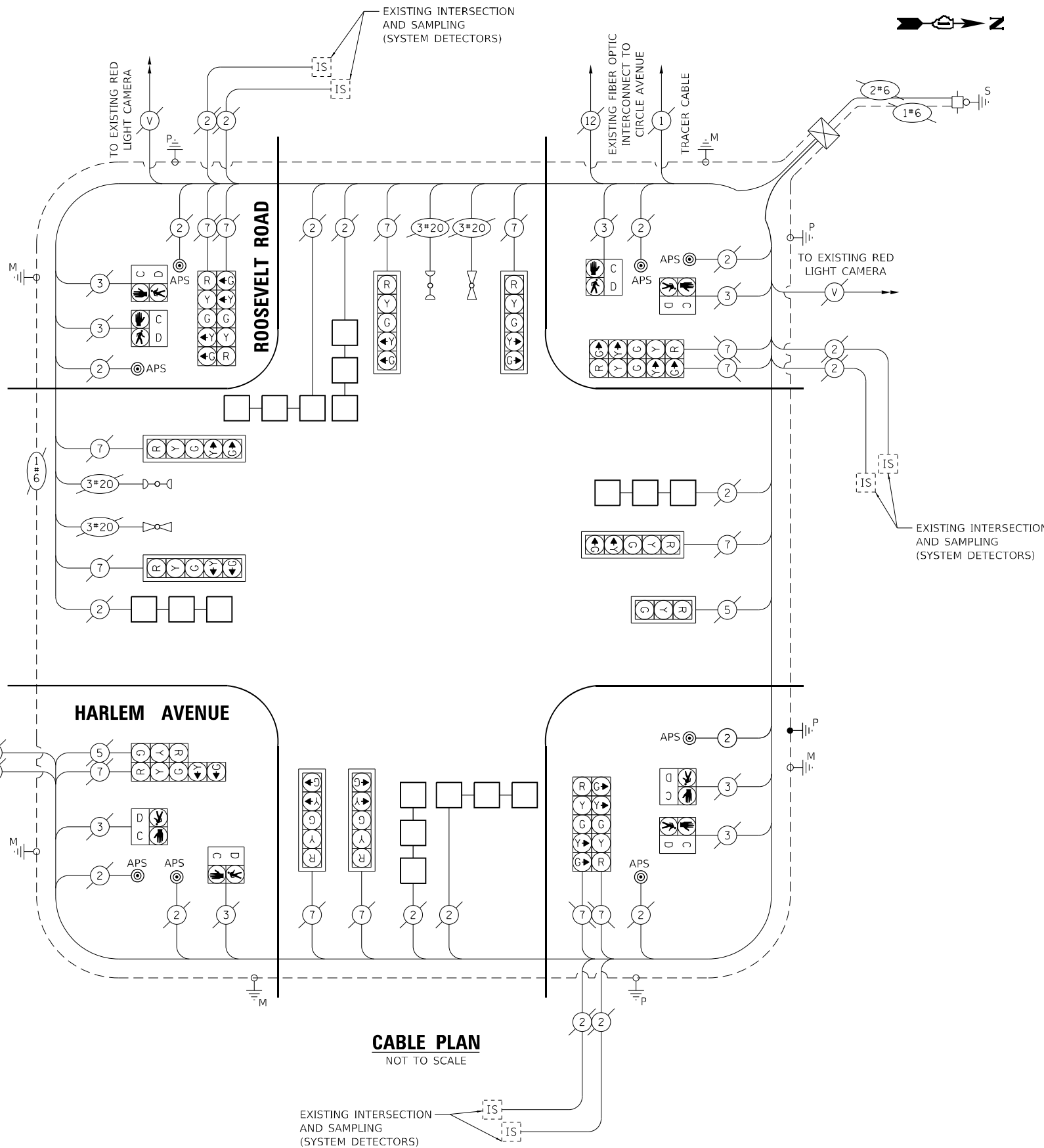
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17	50	136
(YELLOW)	16	25	25	100
(GREEN)	16	15	25	60
ARROW (YELLOW)	14	12	10	17
(GREEN)	14	12	10	17
PED. SIGNAL	8	25	100	200
CONTROLLER	1	100	100	100
ILLUM. SIGN		25	5	
FLASHER			50	
TOTAL =				630

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 49711-28304



CABLE PLAN
NOT TO SCALE

TS SHT NO. 15

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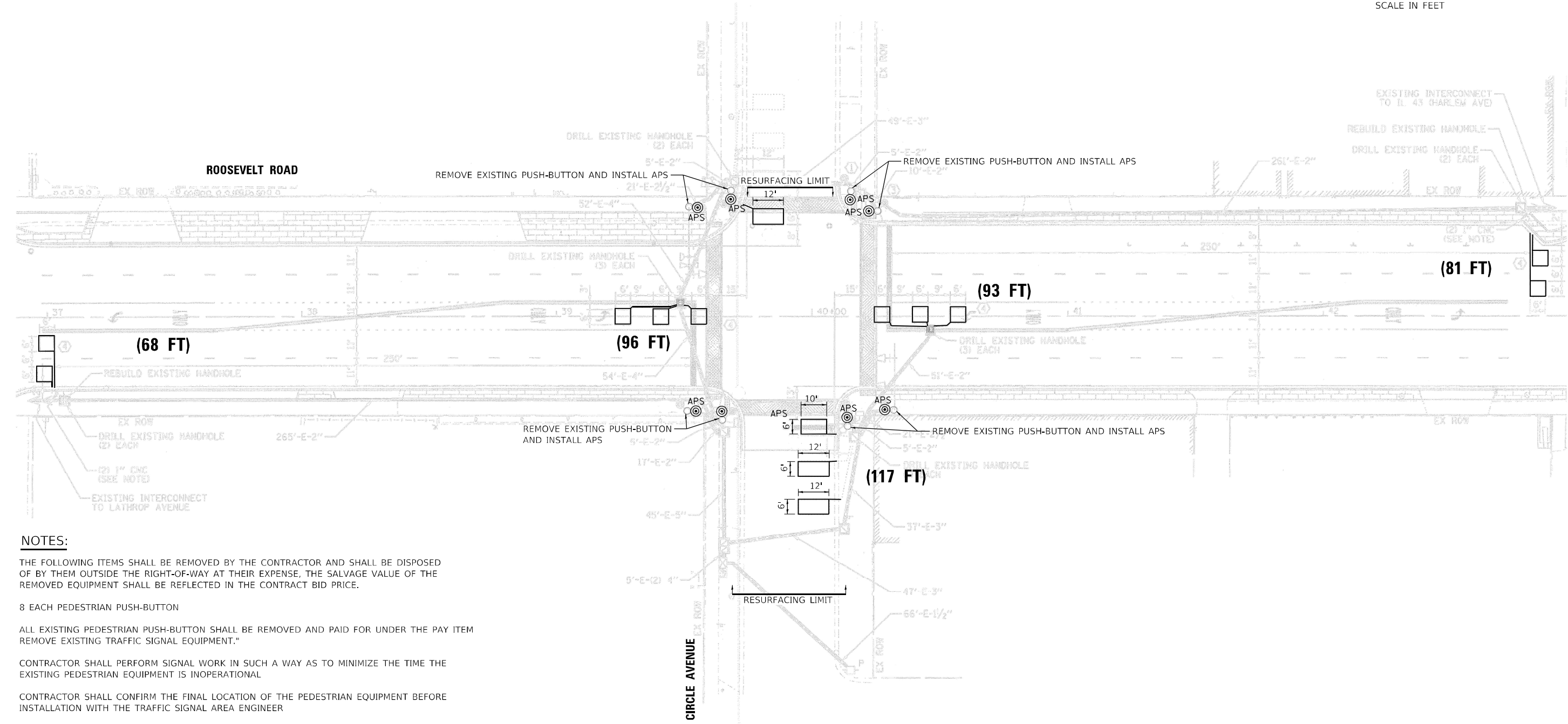
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROOSEVELT RD AND HARLEM AVE
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 50' SHEET 8 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	73
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

**TS 2400
ECON 29**



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-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."
- 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 CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK

TS SHT NO. 16

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	DRAWN - PV	REVISED -
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PLOT DATE = 11/17/2022	DATE - 11-18-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROOSEVELT RD AND CIRCLE AVE
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 20' SHEET 9 OF 14 SHEETS STA. TO STA.

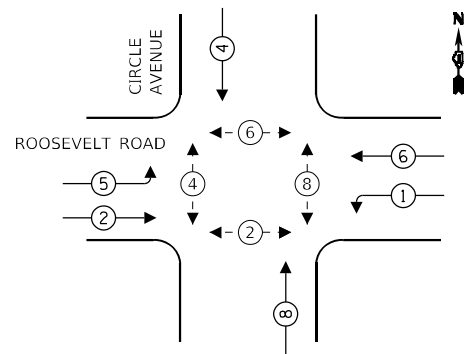
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	74
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

**TS 13700
ECON 29**

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	479
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

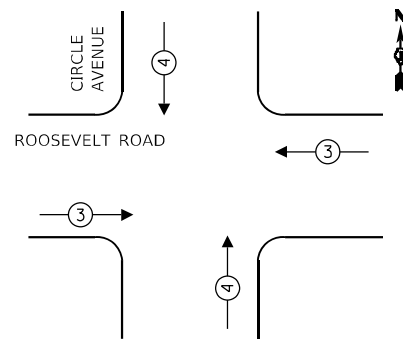
EXISTING CONTROLLER SEQUENCE



LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ▲ * OL OVERLAP
- * REFERS TO ASSOCIATED PHASE

EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

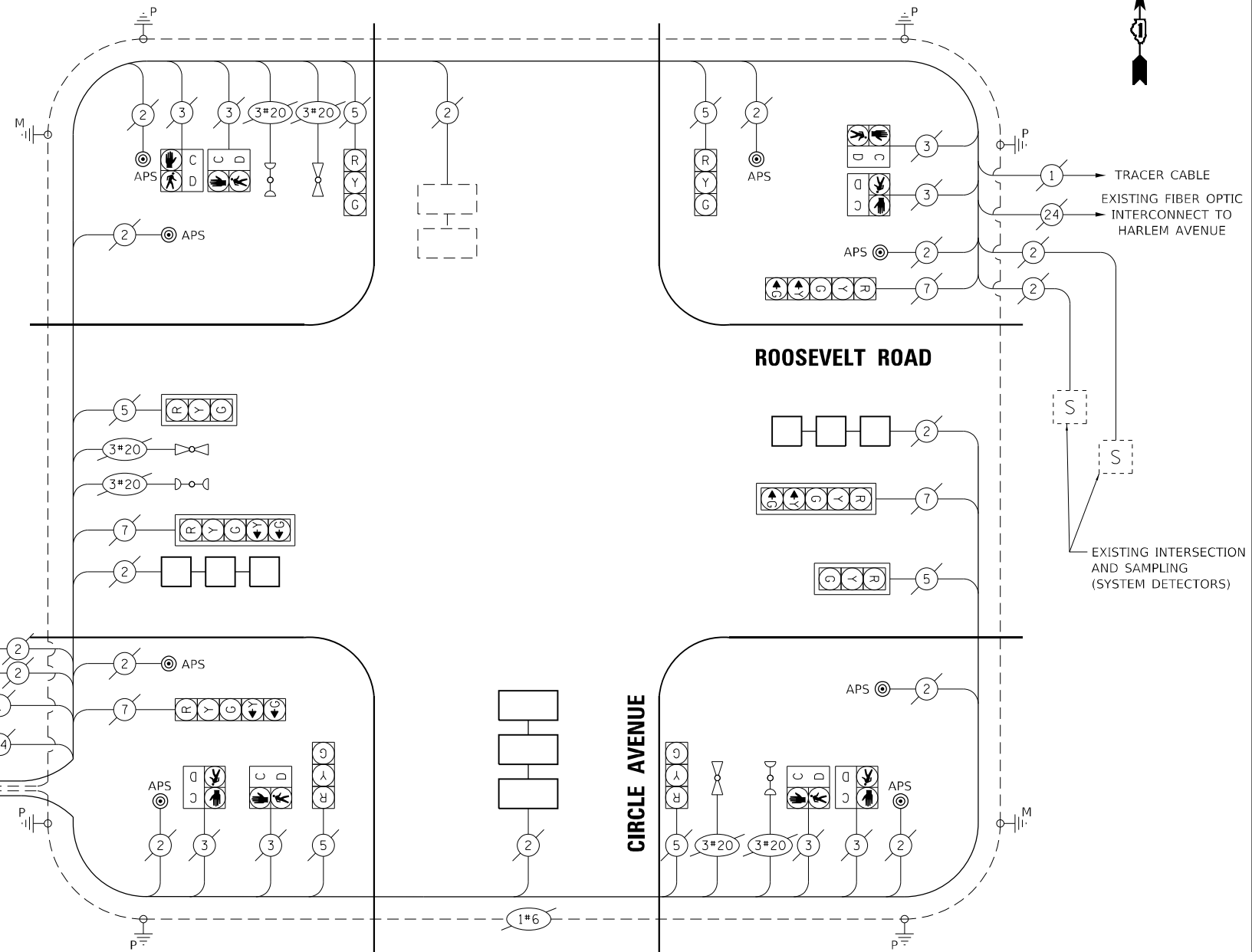
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	17	50	85
(YELLOW)	10	25	25	63
(GREEN)	10	15	25	38
ARROW (YELLOW)	4	12	10	5
(GREEN)	4	12	10	5
PED. SIGNAL	8	25	100	200
CONTROLLER	1	100	100	100
ILLUM. SIGN		100	50	
FLASHER		25	50	
TOTAL =				496

ENERGY COSTS TO:

VILLAGE OF FOREST PARK
517 DES PLAINES AVE
FOREST PARK, IL 60130

ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 49711-28304



CABLE PLAN
NOT TO SCALE

TS SHT NO. 17
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	DRAWN - PV	REVISED -
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PLOT DATE = 11/17/2022	DATE - 11-18-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROOSEVELT RD AND CIRCLE AVE
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 50' SHEET 10 OF 14 SHEETS STA. TO STA.

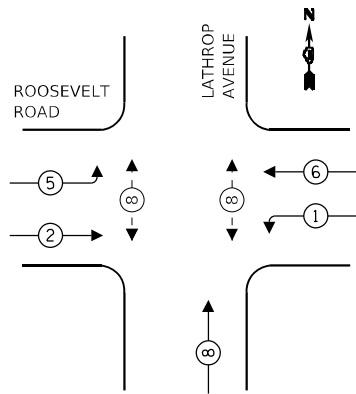
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 75
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

**TS 13700
ECON 29**

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	439
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

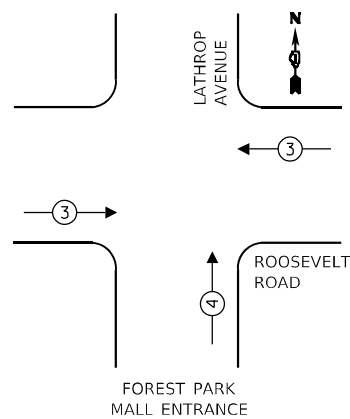
EXISTING CONTROLLER SEQUENCE



LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ▲ * OL OVERLAP
- * REFERS TO ASSOCIATED PHASE

EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

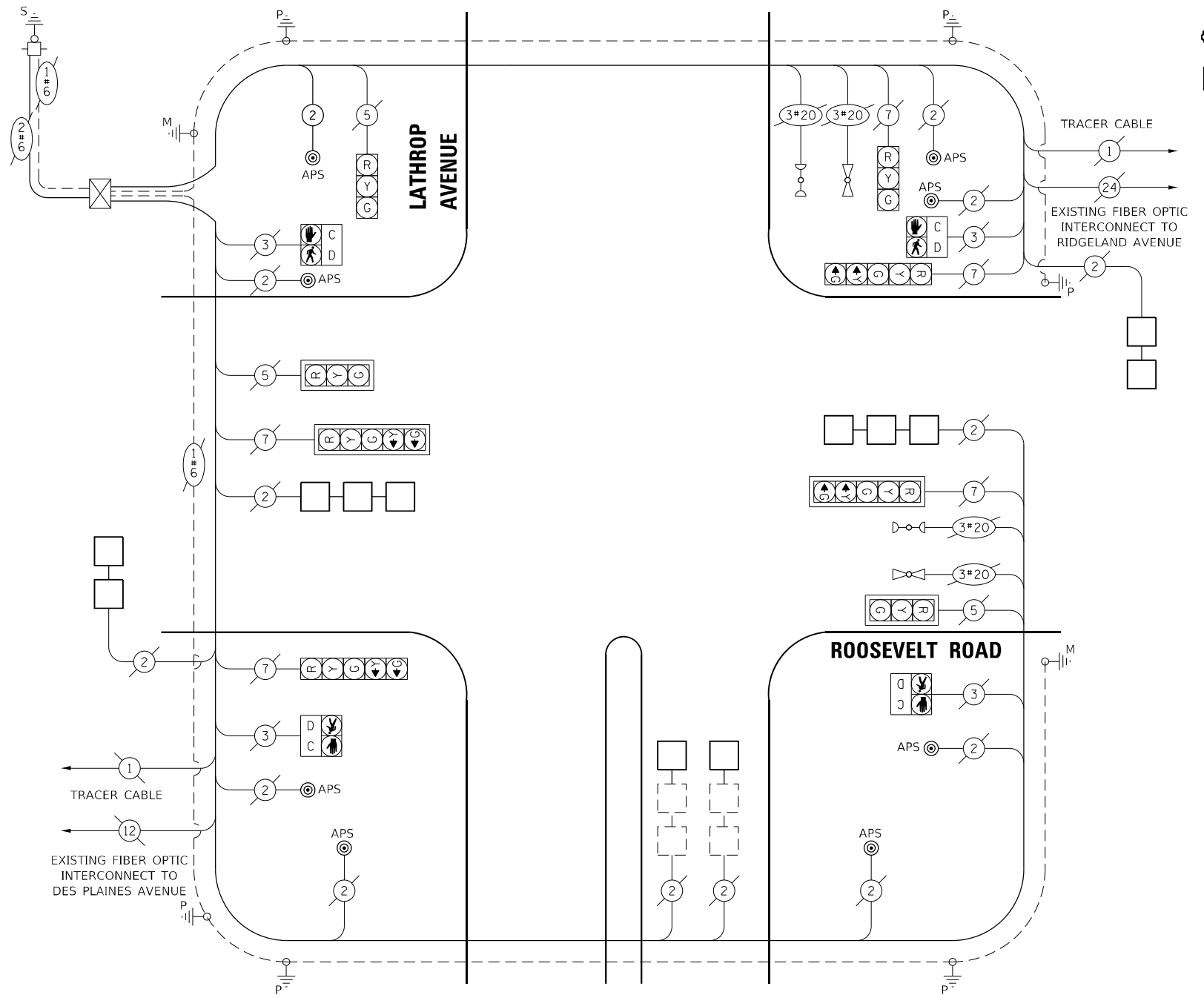
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	8	17	50	68
(YELLOW)	8	25	25	50
(GREEN)	8	15	25	30
ARROW (YELLOW)	4	12	10	5
(GREEN)	4	12	10	5
PED. SIGNAL	4	25	100	100
CONTROLLER	1	100	100	100
ILLUM. SIGN		100	50	
FLASHER		25	50	
TOTAL =				358

ENERGY COSTS TO:
VILLAGE OF FOREST PARK
 517 DES PLAINES AVE
 FOREST PARK, IL 60130

ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: (630) 424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: 59360-12006



FOREST PARK MALL ENTRANCE

CABLE PLAN
 NOT TO SCALE

TS SHT NO. 19

MODEL Path: \\...
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PLOT SCALE = 100,0000' / in.	DRAWN - PV	REVISED -
PLOT DATE = 11/17/2022	CHECKED - JJD	REVISED -
	DATE - 11-18-2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

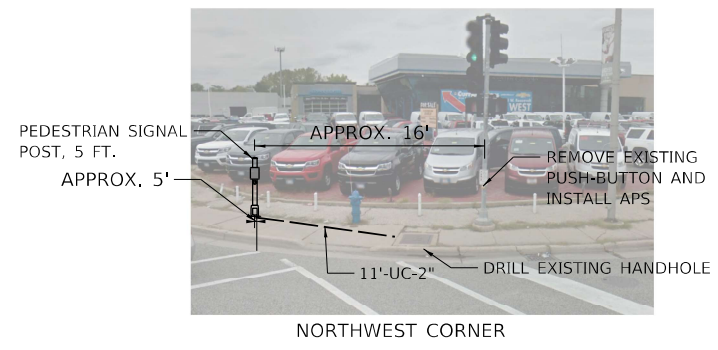
ROOSEVELT RD AND LATHROP AVE
APS AND DETECTOR LOOP REPLACEMENT PLAN

SCALE: 1" = 50' SHEET 12 OF 14 SHEETS STA. TO STA.

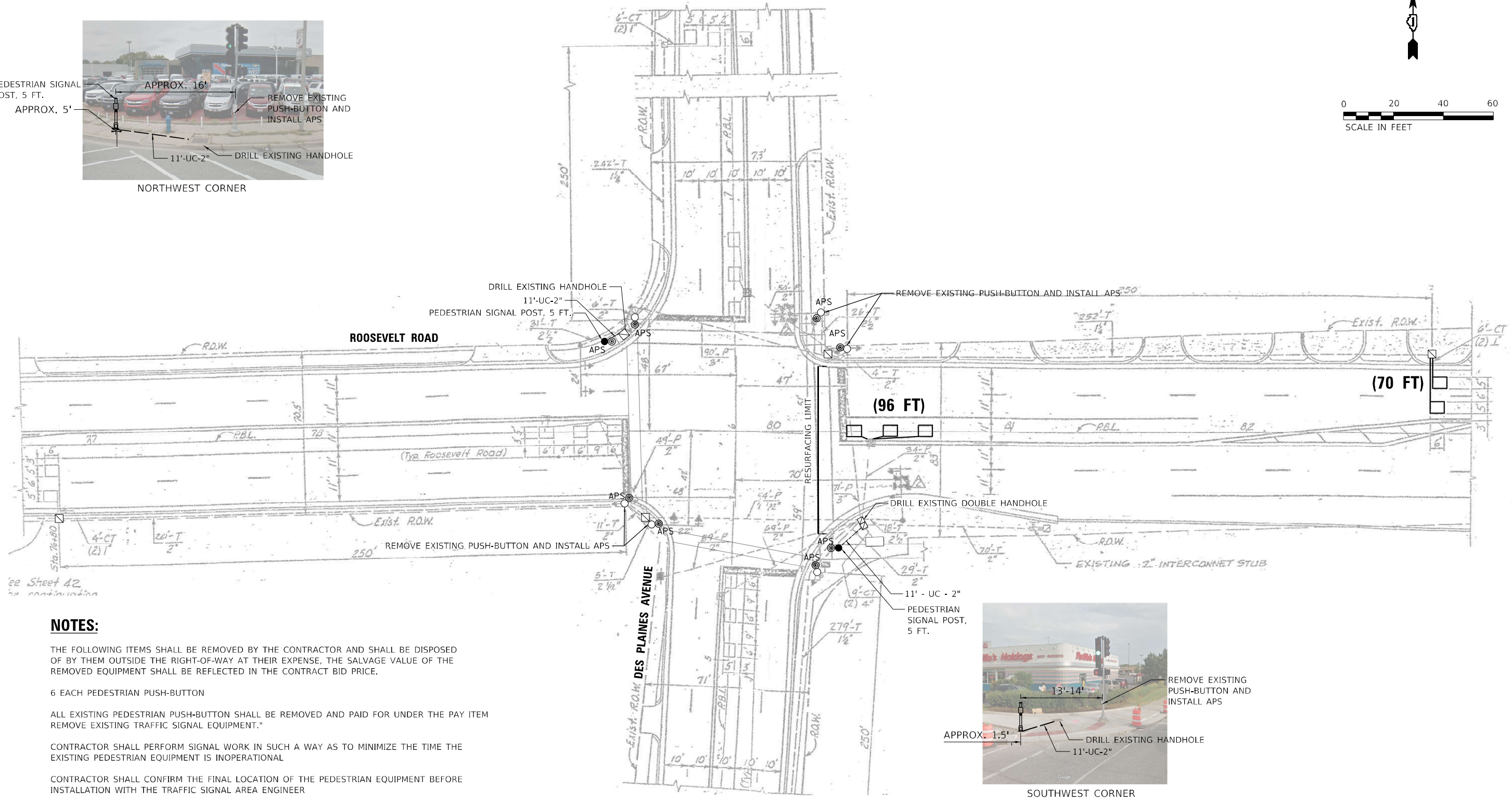
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	77
CONTRACT NO. 62N79				

TS 2401
 ECON 29

ILLINOIS FED. AID PROJECT

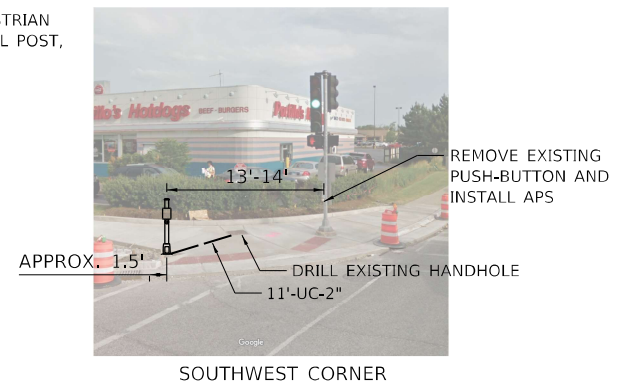


NORTHWEST CORNER



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-BUTTON SHALL BE REMOVED AND PAID FOR UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."
- 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 CROSSWALK
- STATIONING SHOWN ON TRAFFIC SIGNAL PLAN ARE FROM RECORD DRAWINGS AND WILL NOT MATCH OTHER PLANS
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING TRAFFIC SIGNAL EQUIPMENT PRIOR TO ORDERING MATERIALS AND STARTING ANY WORK



SOUTHWEST CORNER

TS SHT NO. 20

MODEL Path: \\s:\projects\2021\047-RS\Drawings\TS SHT NO. 20.dwg
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PLOT DATE = 11/17/2022	DATE - 11-18-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROOSEVELT RD AND DES PLAINES AVE APS AND DETECTOR LOOP REPLACEMENT PLAN	
SCALE: 1" = 20'	SHEET 13 OF 14 SHEETS STA. TO STA.

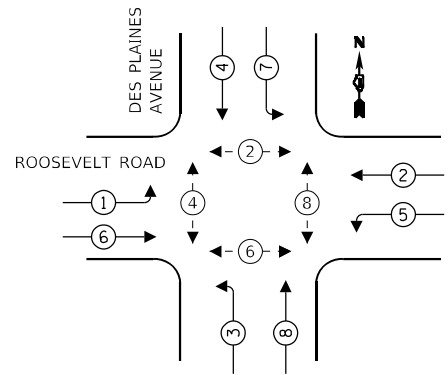
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 78
CONTRACT NO. 62N79				
ILLINOIS FED. AID PROJECT				

TS 5000
ECON 29

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	22
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	271
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	35
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	192
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A, 12 INCH DIA.	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

EXISTING CONTROLLER SEQUENCE



LEGEND

- ← * → DUAL ENTRY PHASE
- ← * → PEDESTRIAN PHASE
- ▲ * OL OVERLAP
- * REFERS TO ASSOCIATED PHASE

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

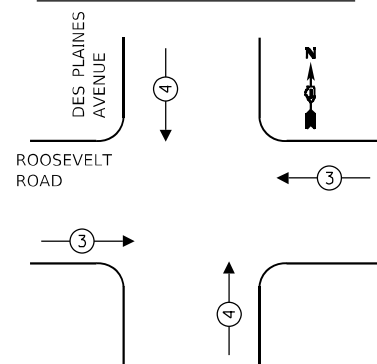
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17	50	136
(YELLOW)	16	25	25	100
(GREEN)	16	15	25	60
ARROW (YELLOW)	8	12	10	10
(GREEN)	8	12	10	10
PED. SIGNAL	8	25	100	200
CONTROLLER	1	100	100	100
ILLUM. SIGN		100	50	
FLASHER		25	50	
TOTAL =				616

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 W. CENTER CT
SCHAUMBURG, IL 60196

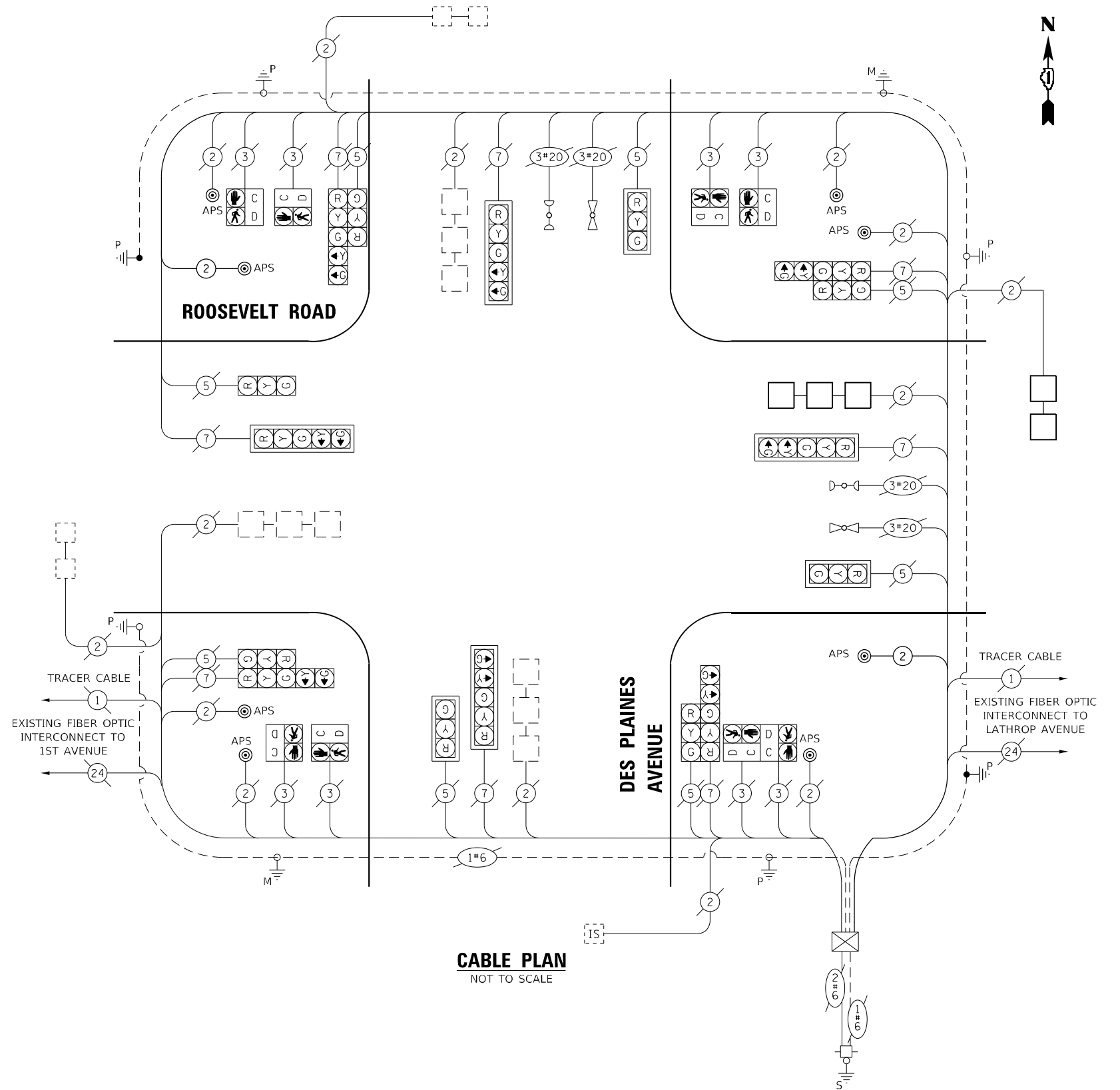
ENERGY SUPPLY: CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 49711-28304

EXISTING PHASE DESIGNATION DIAGRAM



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑



CABLE PLAN
NOT TO SCALE

TS SHT NO. 21

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USER NAME = jdvais	DESIGNED - PV	REVISED -
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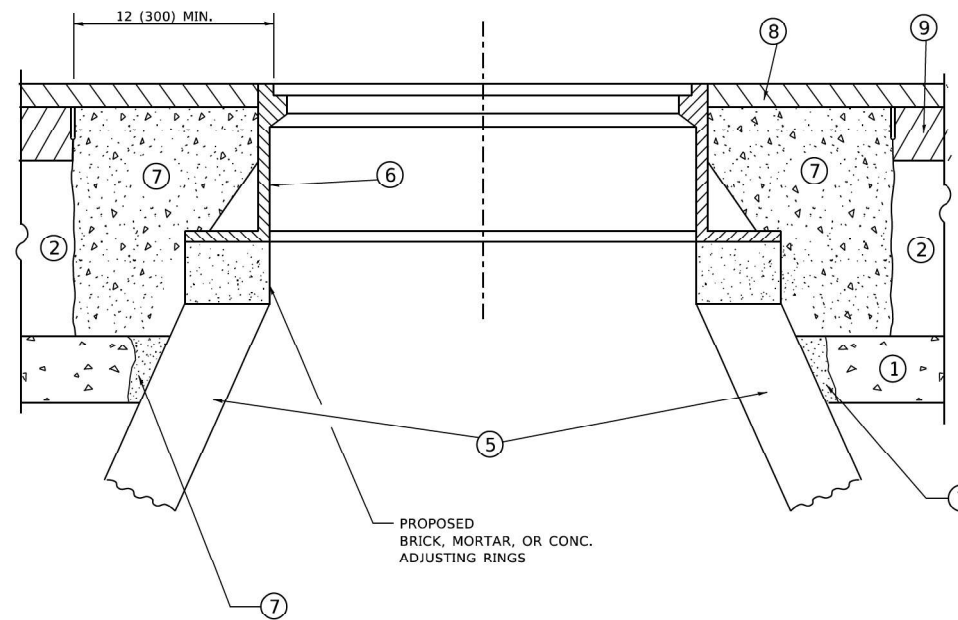
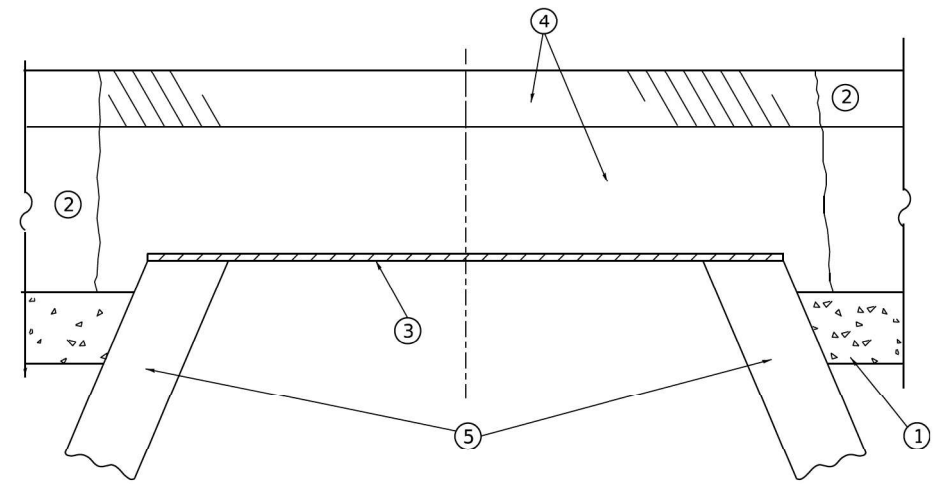
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**ROOSEVELT RD AND DES PLAINES AVE
APS AND DETECTOR LOOP REPLACEMENT PLAN**

SCALE: 1" = 50' SHEET 14 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 79
CONTRACT NO. 62N79			ILLINOIS FED. AID PROJECT	

**TS 5000
ECON 29**



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS*PP-1 CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- 1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- 2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- 3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- 4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

NOTES

- 1. 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 IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- 3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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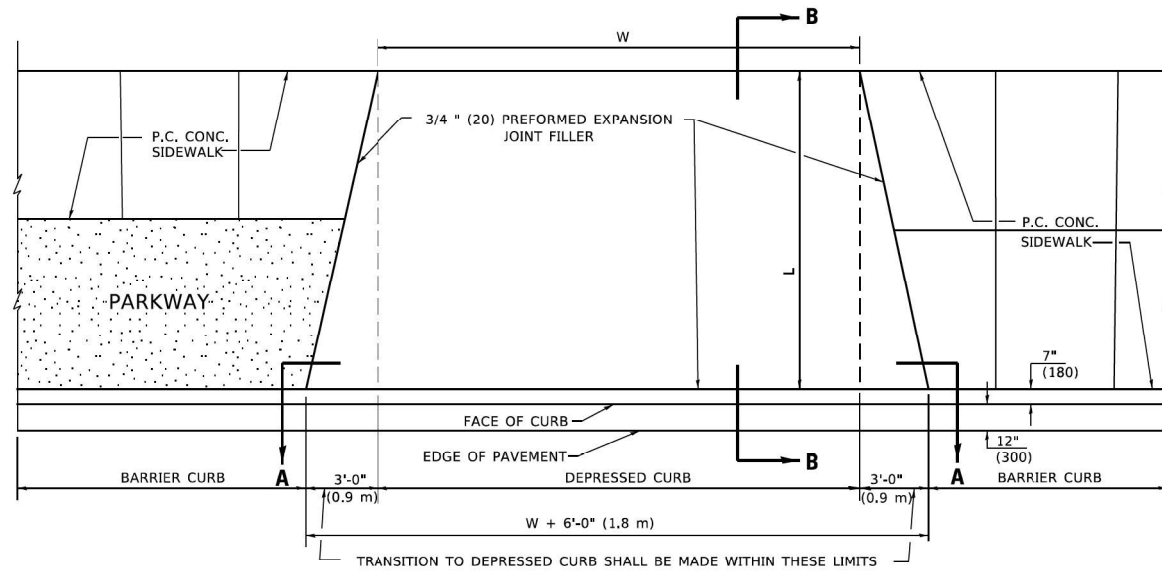
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PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	80
BD600-03 (BD-08)			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				



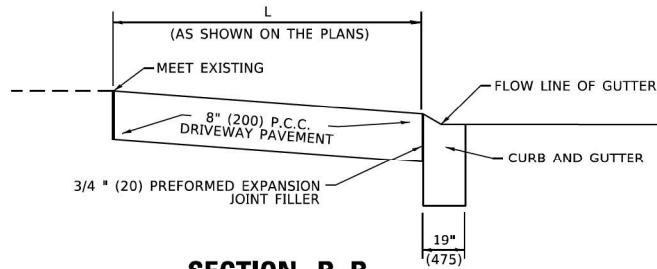
PLAN VIEW

NOTES:

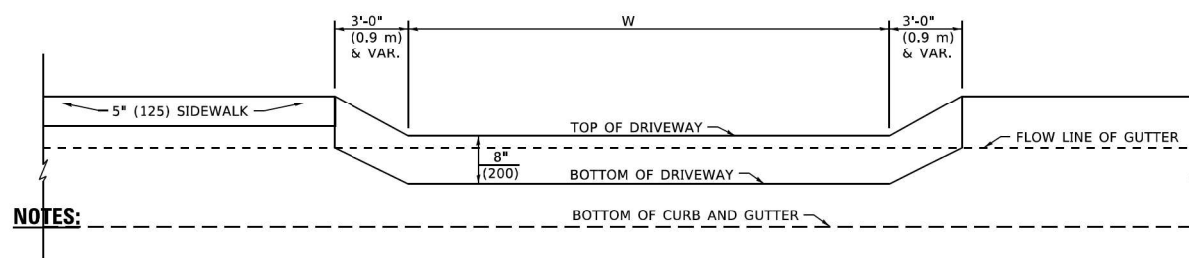
1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS).
3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

BASIS OF PAVEMENT

1. 3/4" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN P.C.C. DRIVEWAY PAVEMENT 8" (200).
2. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

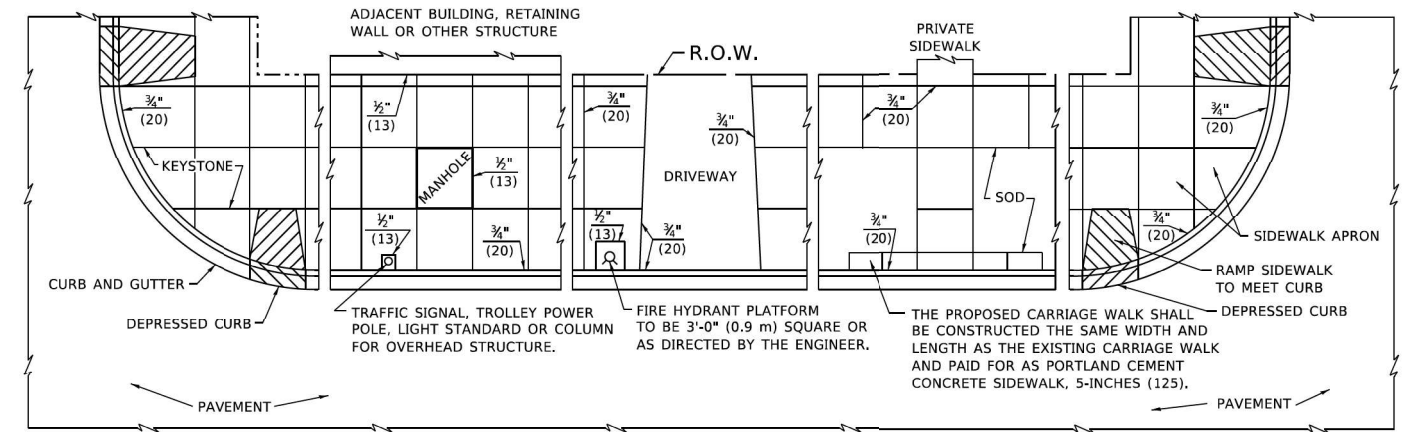


SECTION B-B



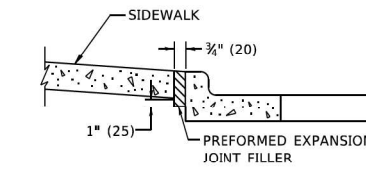
SECTION A-A
P.C.C. DRIVEWAY PAVEMENT DETAIL

NOTES:



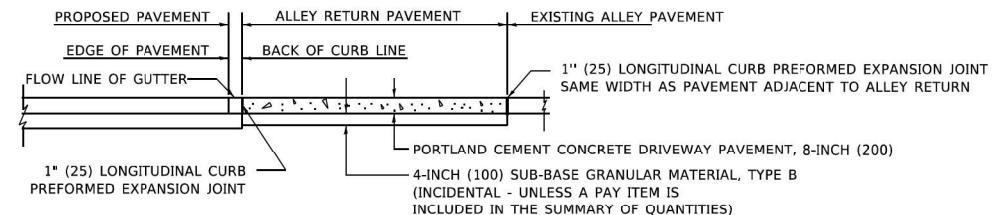
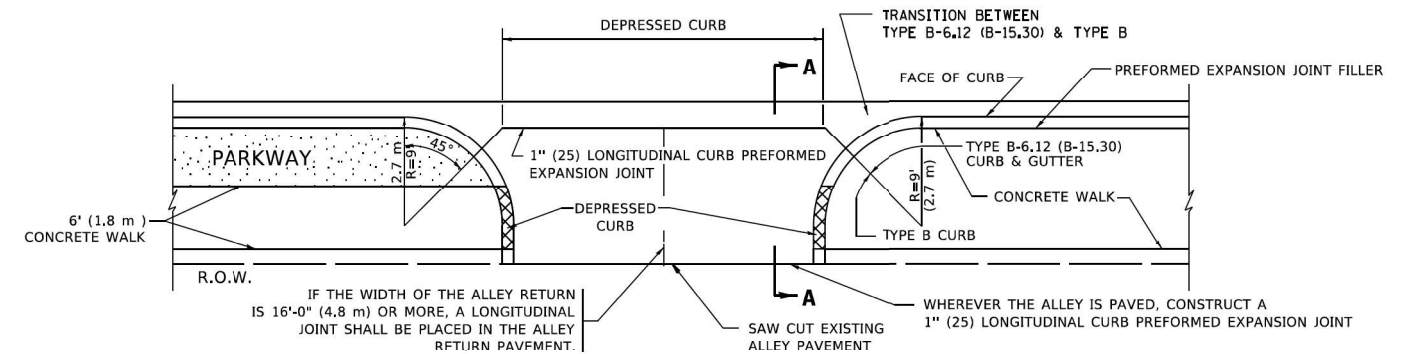
NOTES:

1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS. BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS THE CURB.



SLOPE FOR SIDEWALK
1" (25) IN 3'-0" (0.9 m) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS



SECTION A-A

ALLEY RETURN DETAIL

BASIS OF PAVEMENT

1. SUB-BASE GRANULAR MATERIAL TYPE B SHALL BE PAID FOR SEPERATELY.
2. NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED -
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO			
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

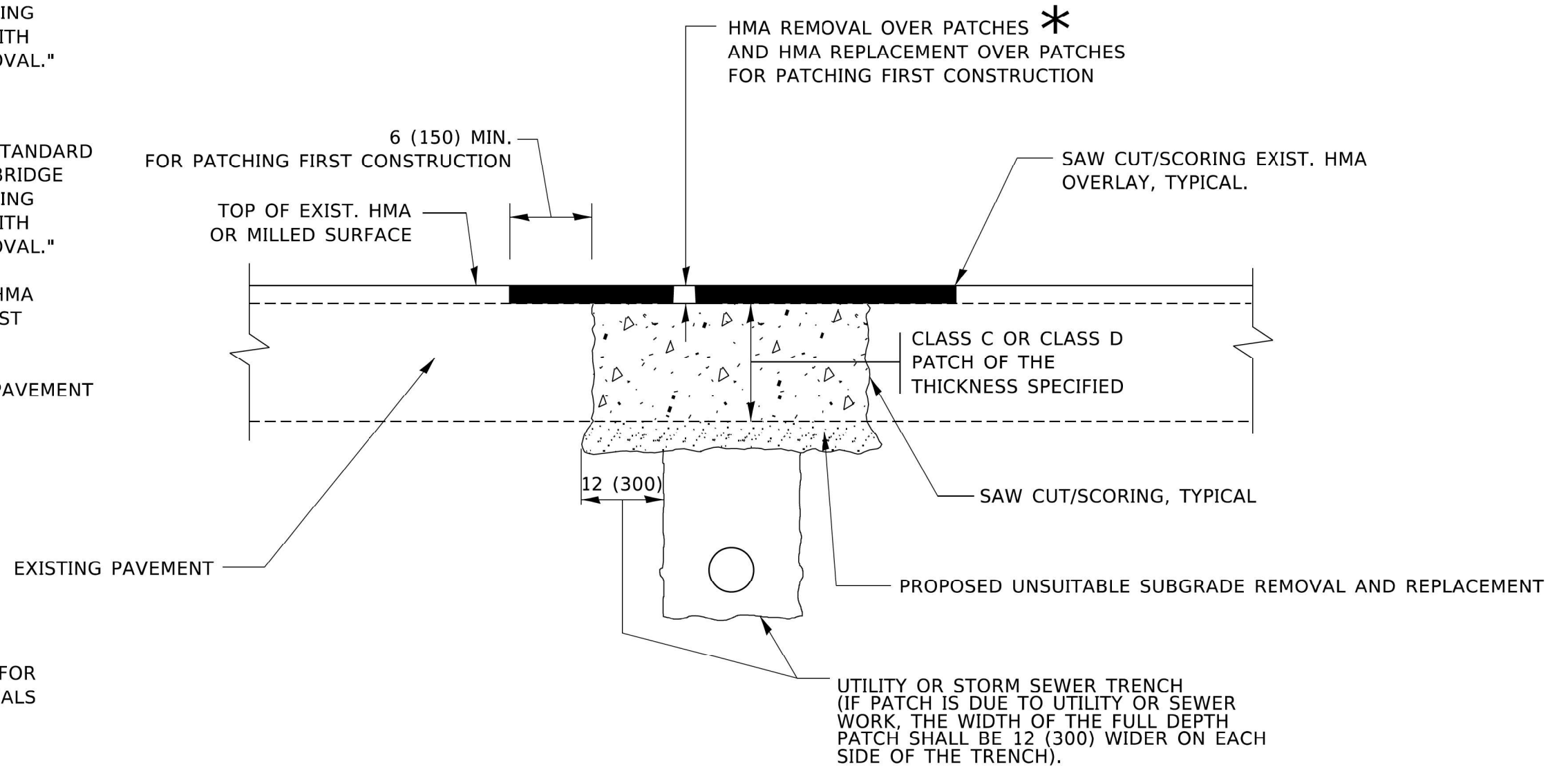
F.A.P. RTE. 347	SECTION 2021-047-R5	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 81
BD400-03 (BD-17)		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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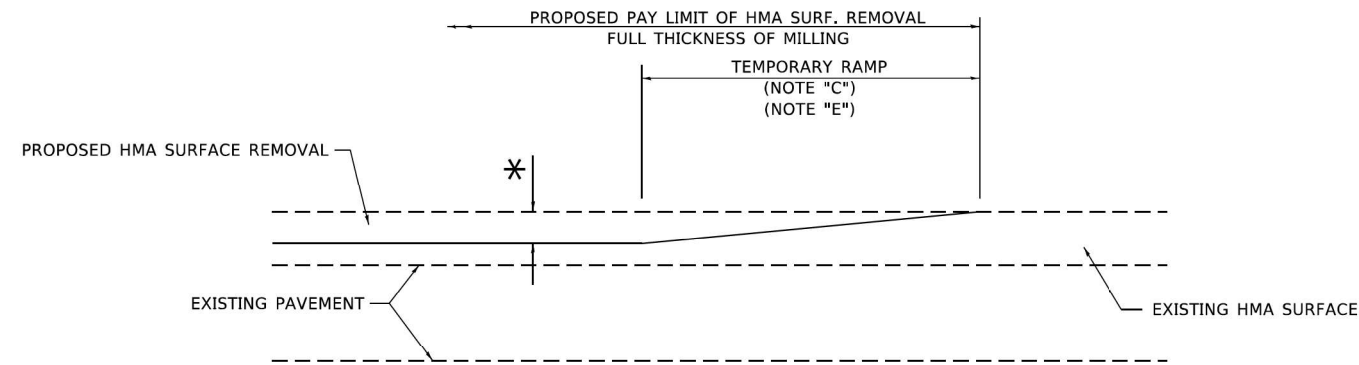
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	DRAWN -	REVISED - R. BORO 09-04-07
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PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

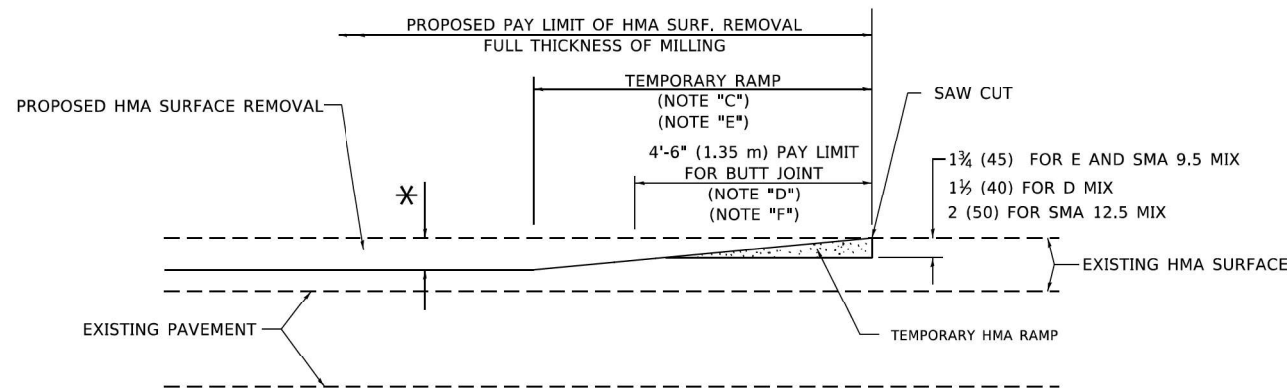
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	82
BD400-04 (BD-22)			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

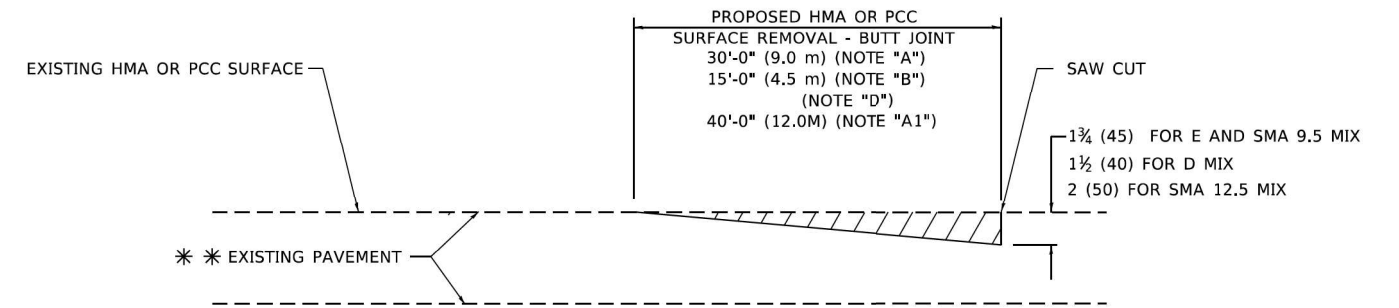
OPTION 1



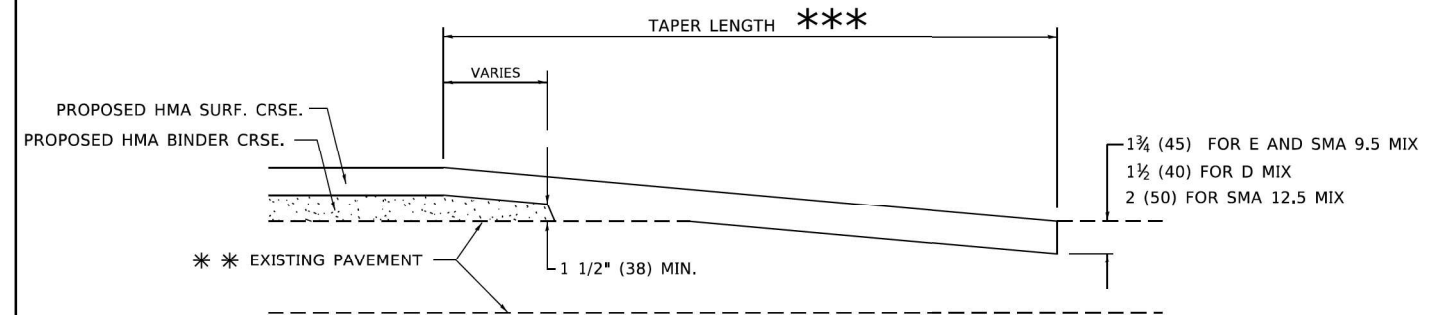
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



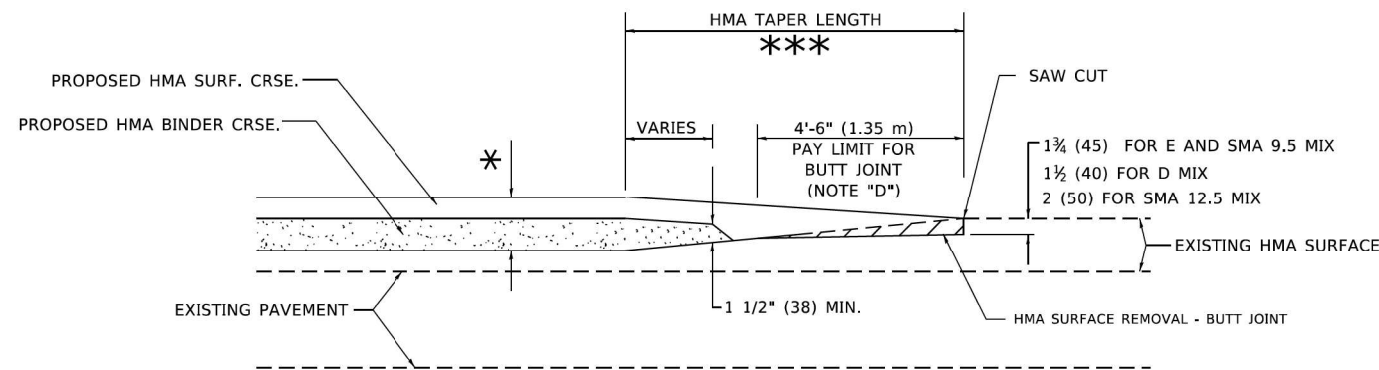
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

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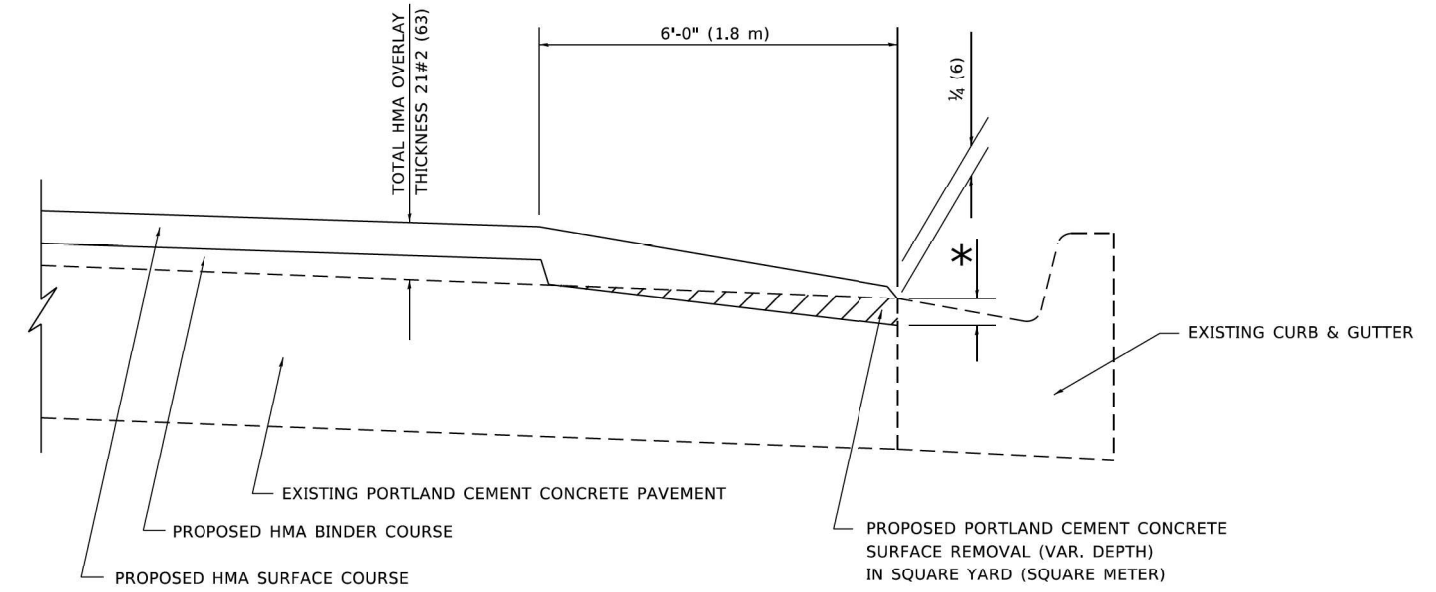
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	84
BD400-05 BD-32		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				



**HMA TAPER AT
EDGE OF P.C.C. PAVEMENT**

HMA SURFACE COURSE		HMA BINDER COURSE		* MILLING AT GUTTER FLAG
MIX	THICKNESS	THICKNESS	THICKNESS	
D	1½ (38)	1 (25)	1¼ (33)	
E OR SMA 9.5	1¾ (44)	¾ (19)	1½ (38)	

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

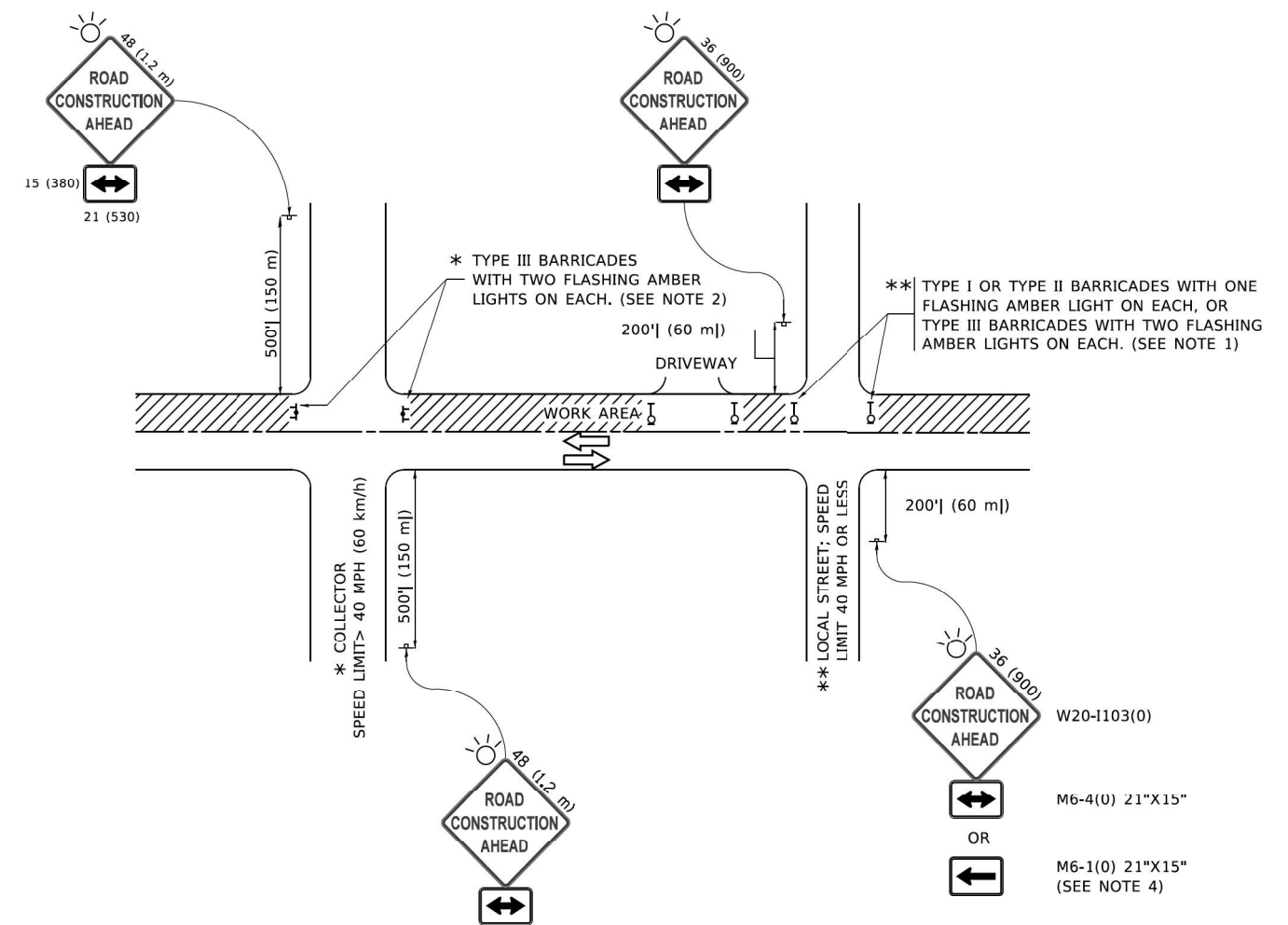
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	DRAWN - JIS	REVISED - R. BORO 01-01-07
PLOT SCALE = 100,0000 ' / in.	CHECKED - A. ABBAS	REVISED - JP CHANG 07-08-16
PLOT DATE = 2/2/2022	DATE - 09-10-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HMA TAPER AT EDGE OF P.C.C. PAVEMENT			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	85
BD400-06		BD-33	CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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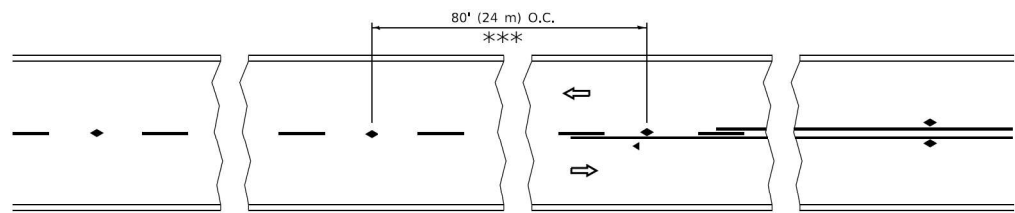
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

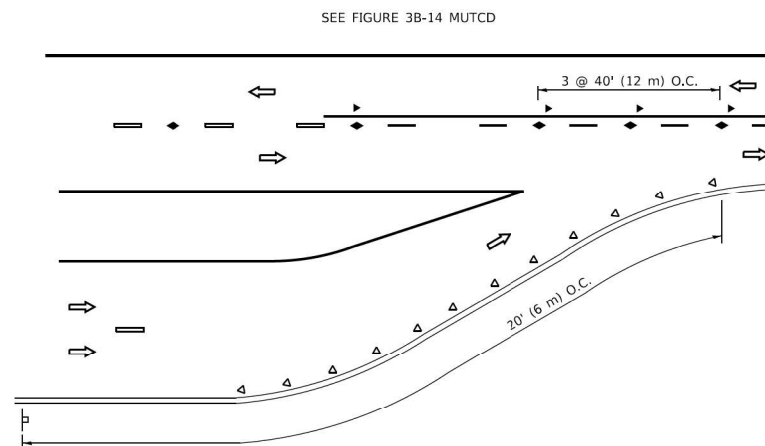
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				

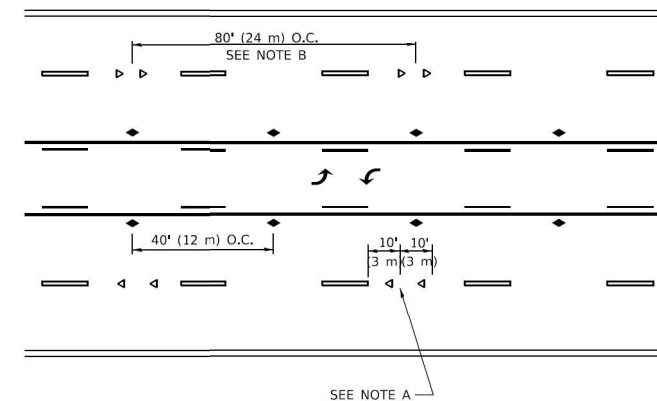


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

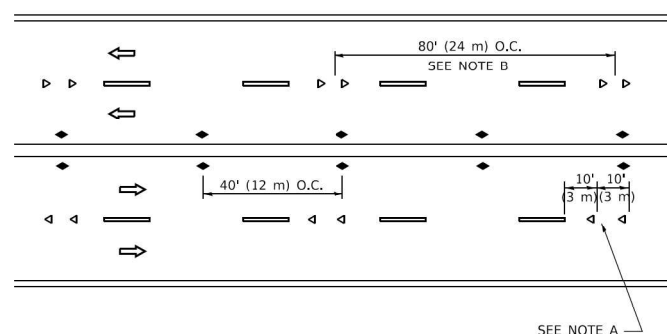
TWO-LANE/TWO-WAY



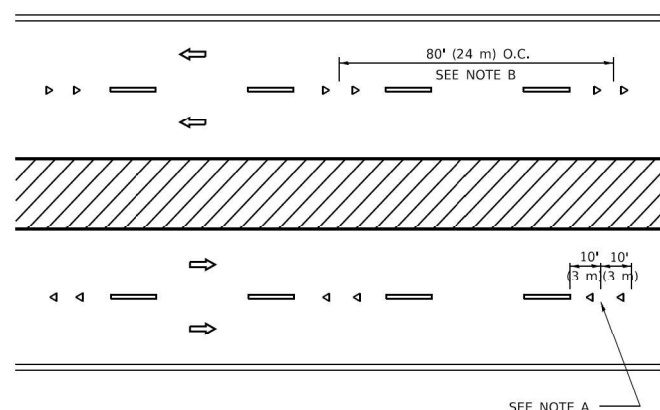
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

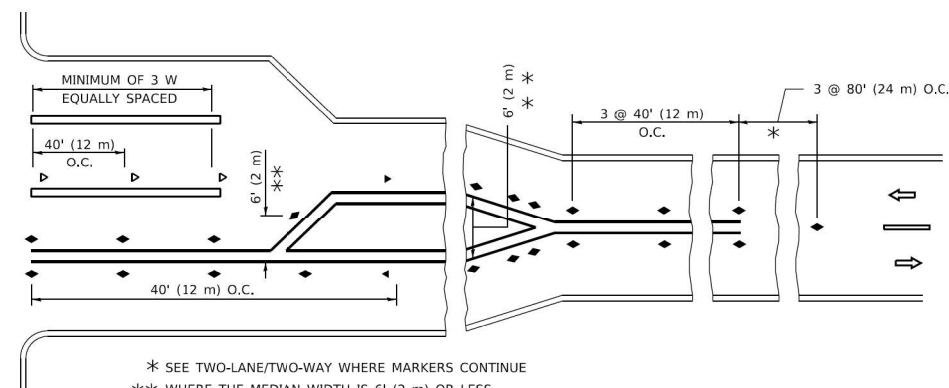
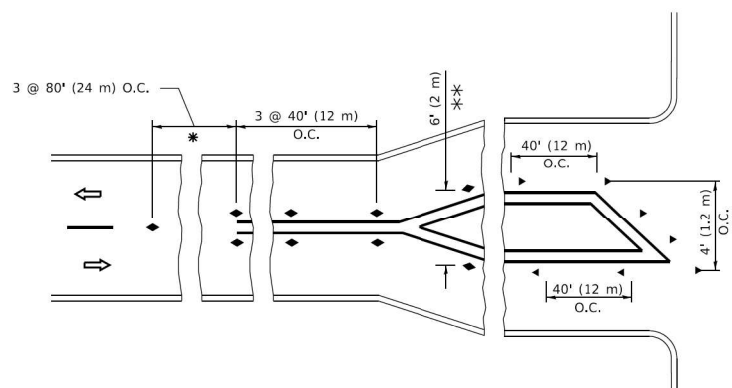
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

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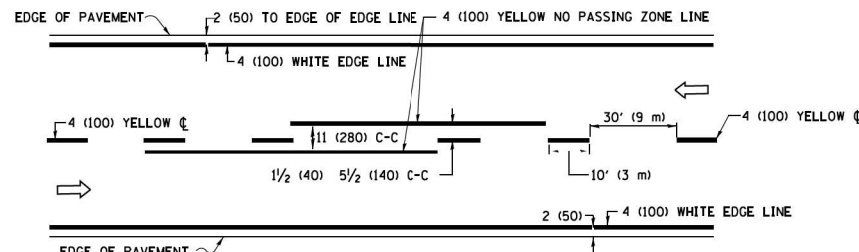
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

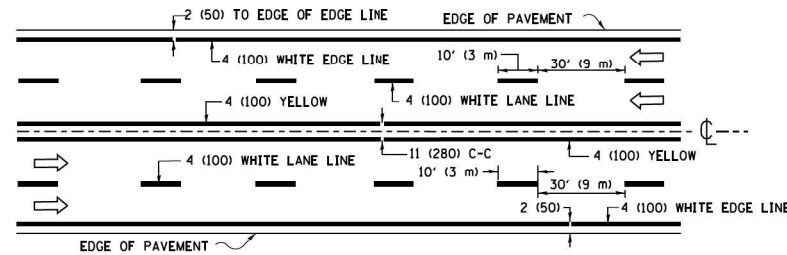
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

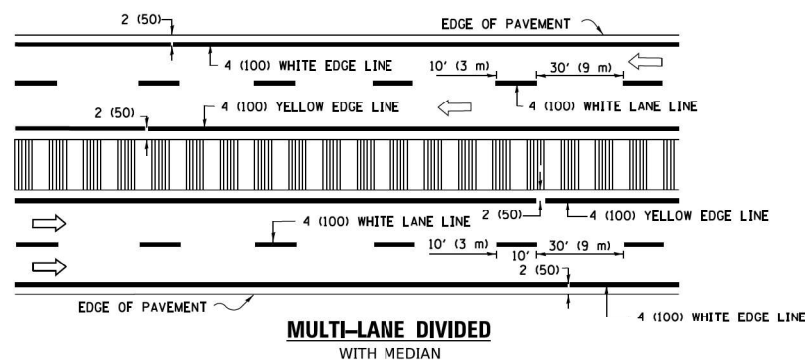
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-RS	COOK	97	88
TC-11			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

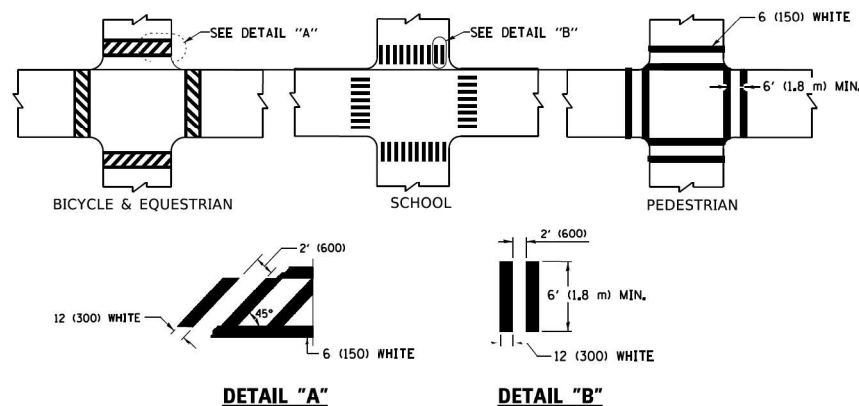


MULTI-LANE UNDIVIDED



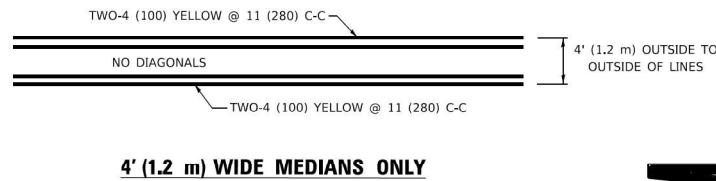
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

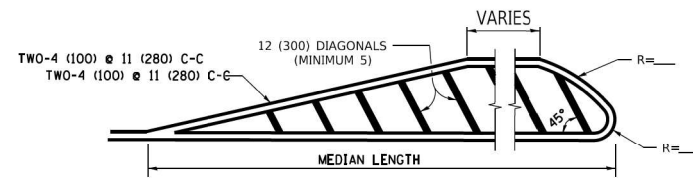


TYPICAL CROSSWALK MARKING

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

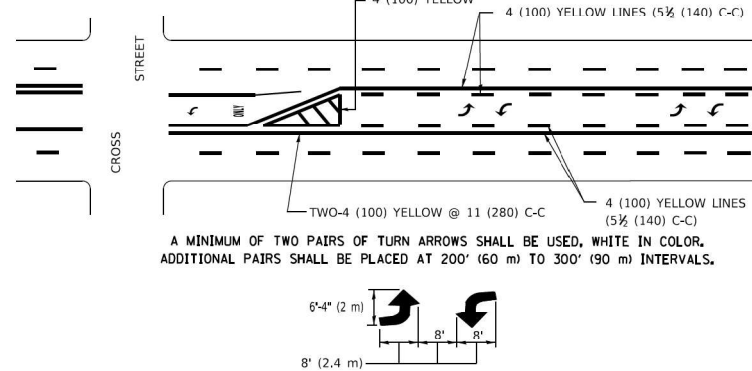


4' (1.2 m) WIDE MEDIANS ONLY



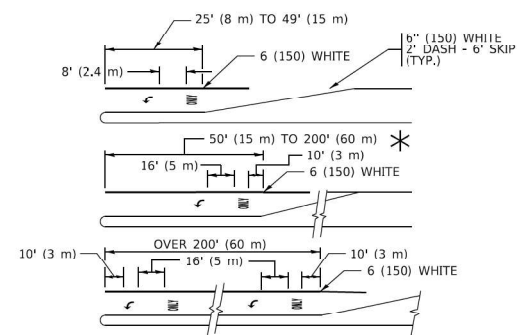
MEDIANS OVER 4' (1.2 m) WIDE

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**

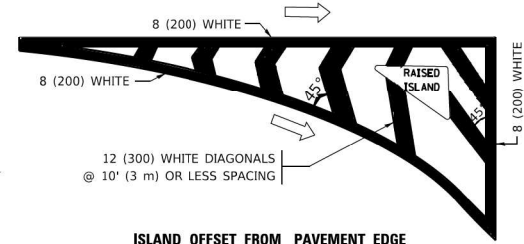
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



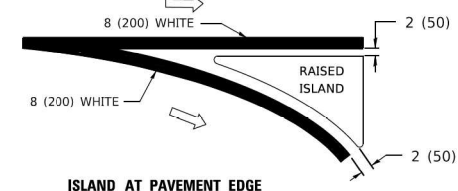
TYPICAL LEFT (OR RIGHT) TURN LANE

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".

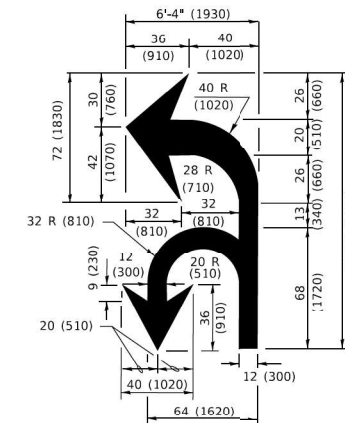


ISLAND OFFSET FROM PAVEMENT EDGE

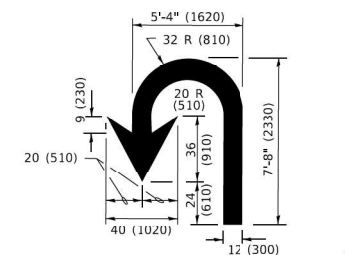


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



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.

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

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	5 1/2 (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	7 @ 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; 5 1/2 (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" 15' 6" (1.8 m) LETTERS; 16 (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.

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	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000" / 1"	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION 2021-047-RS	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 89
TC-13		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

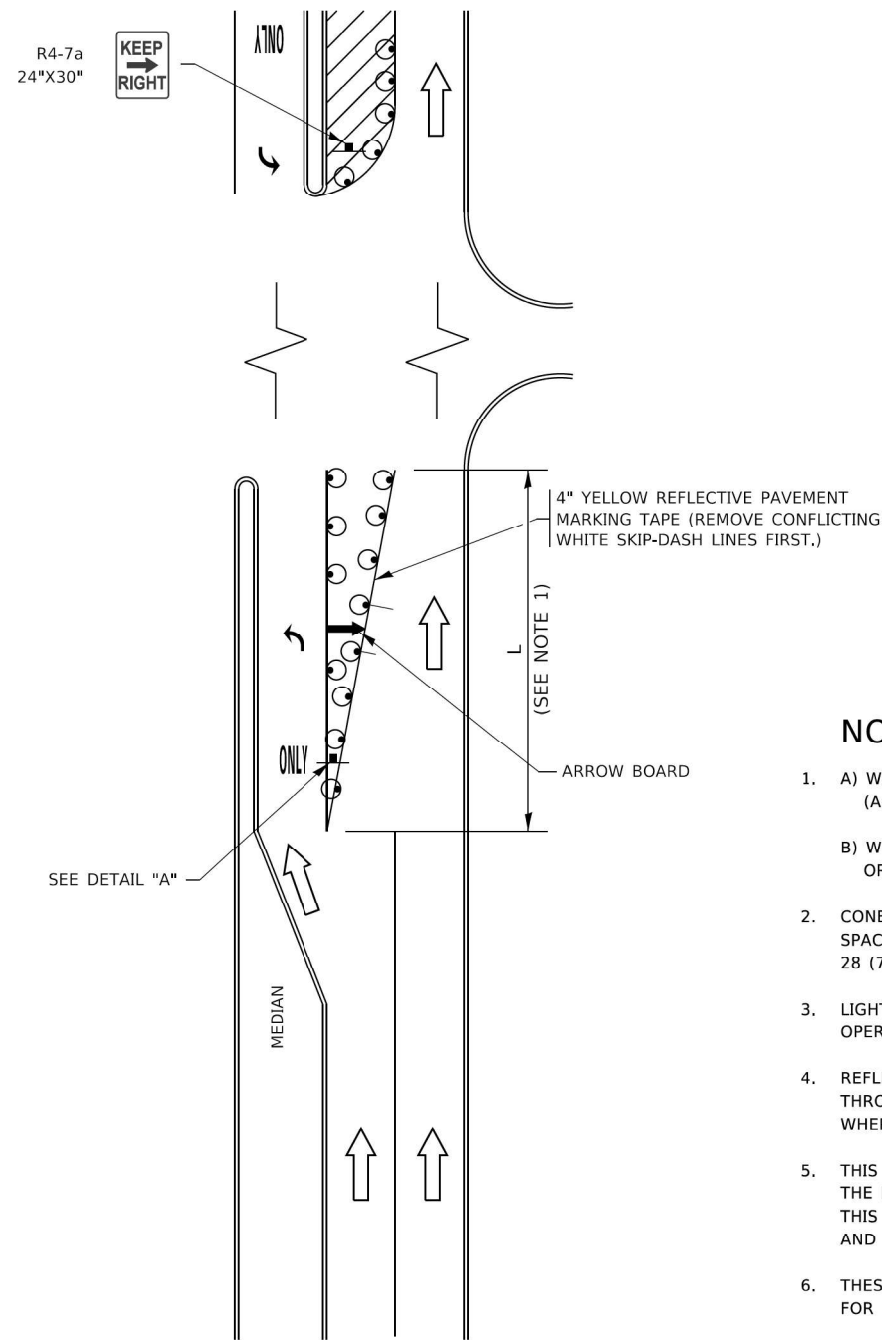


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

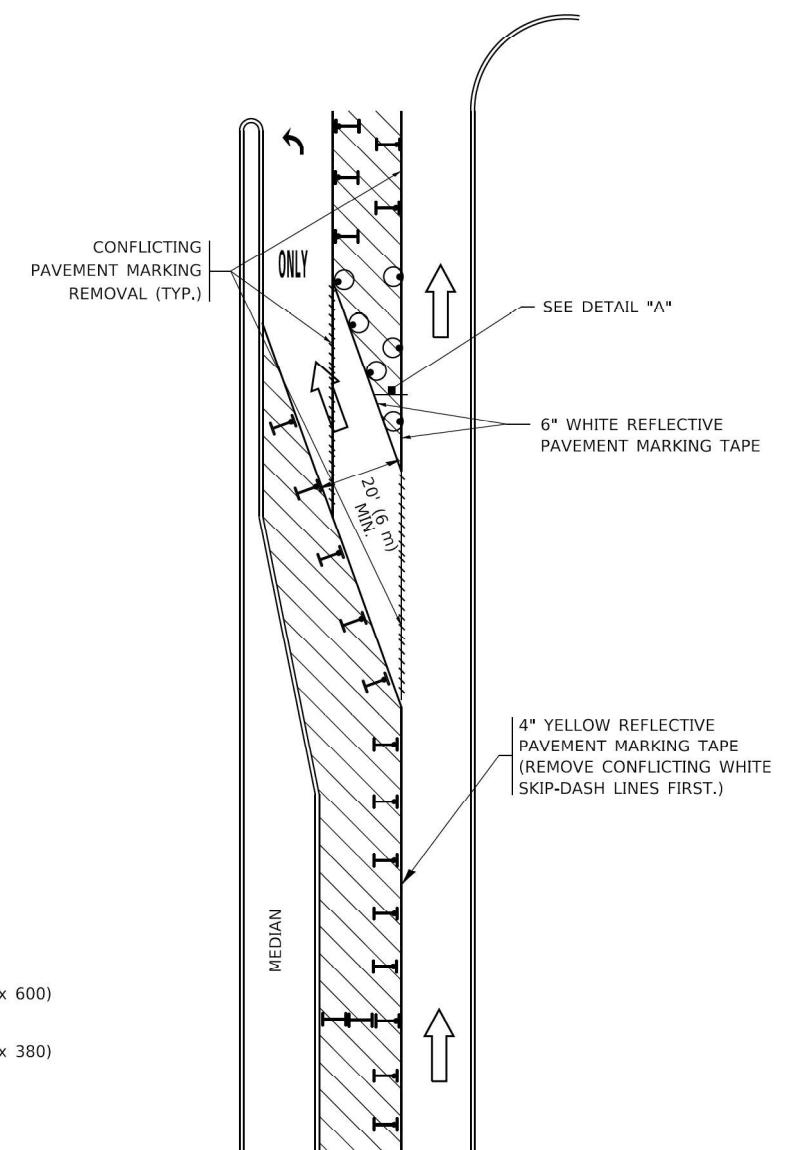
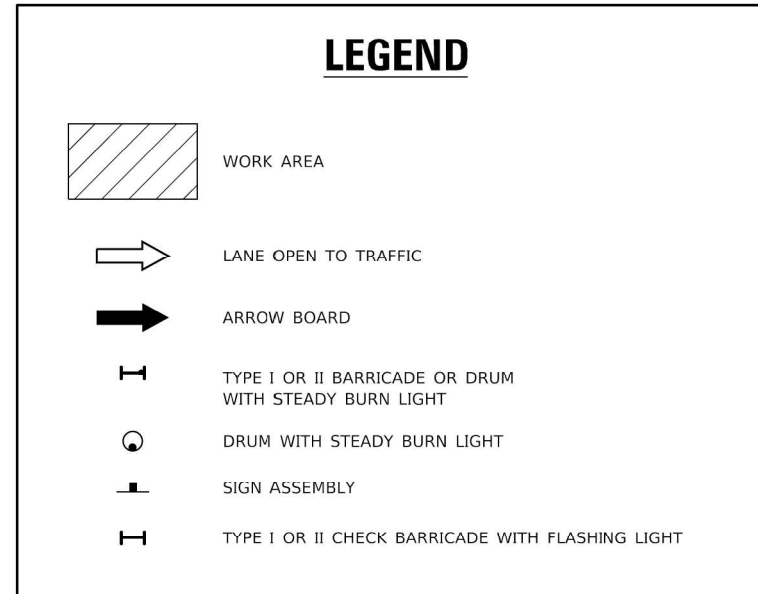
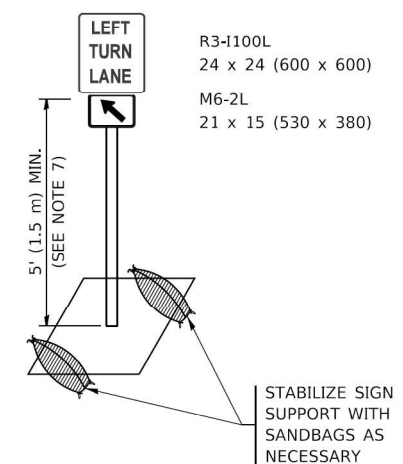


FIGURE 2



NOTES:

1. A) WHEN "L" IS ≤ 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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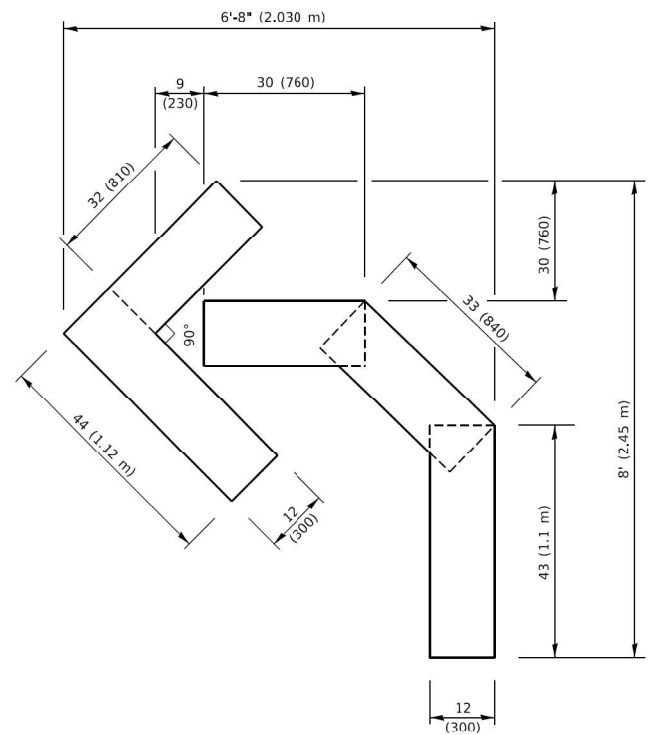
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50,0000' / 1"	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

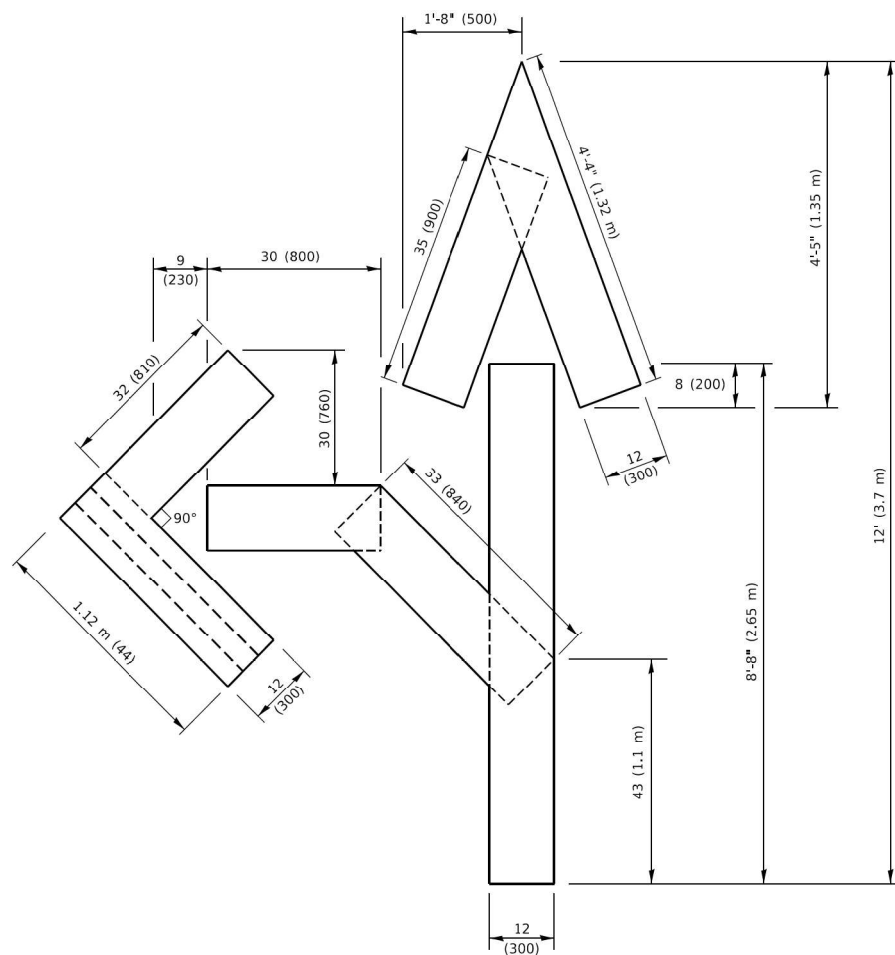
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-RS	COOK	97	90
TC-14			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				



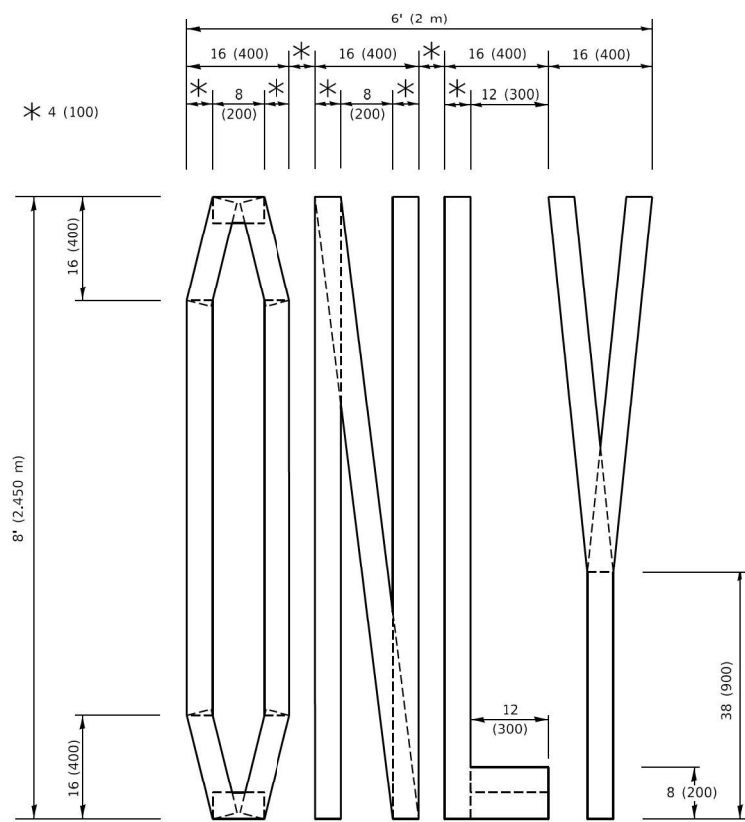
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



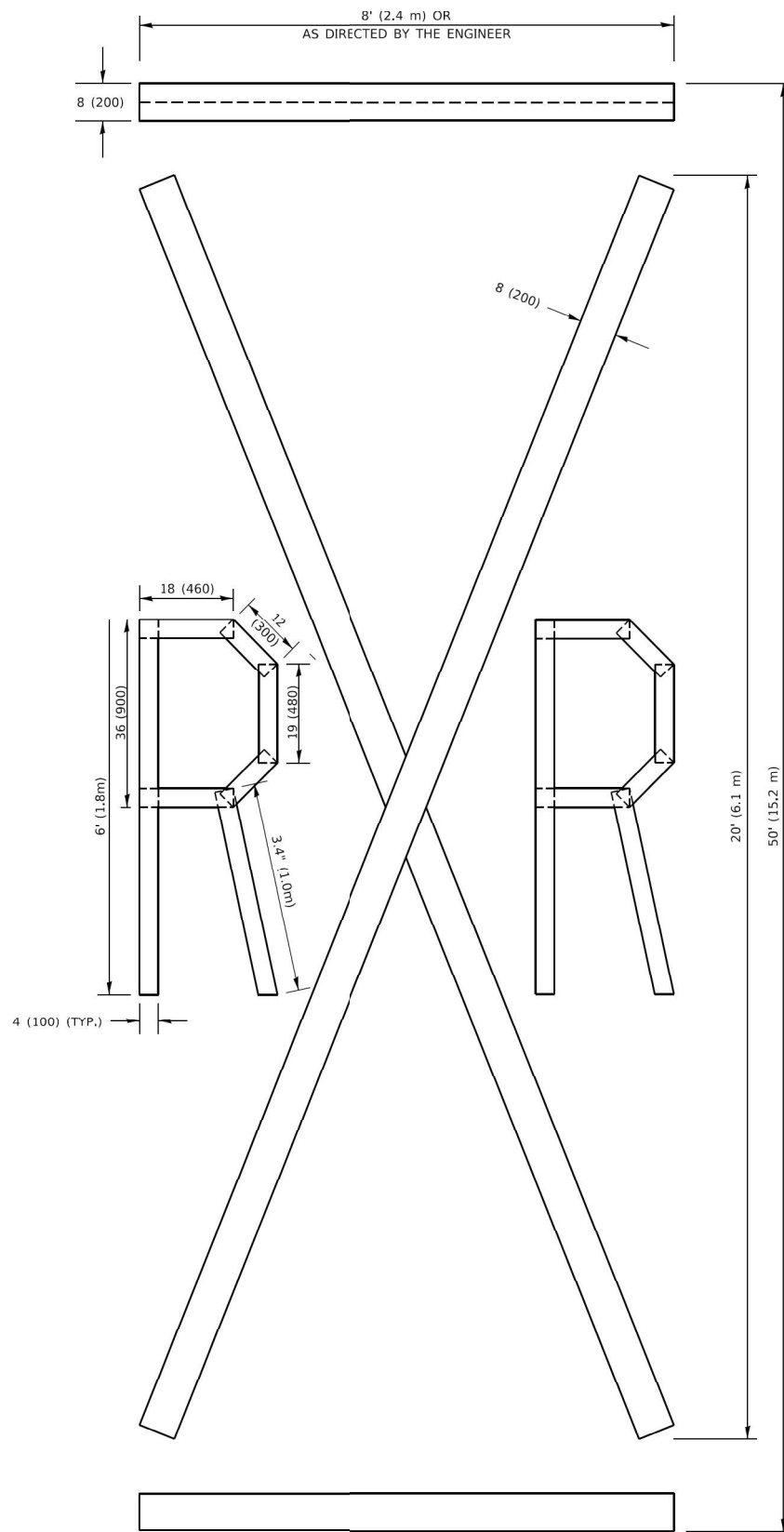
QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.

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

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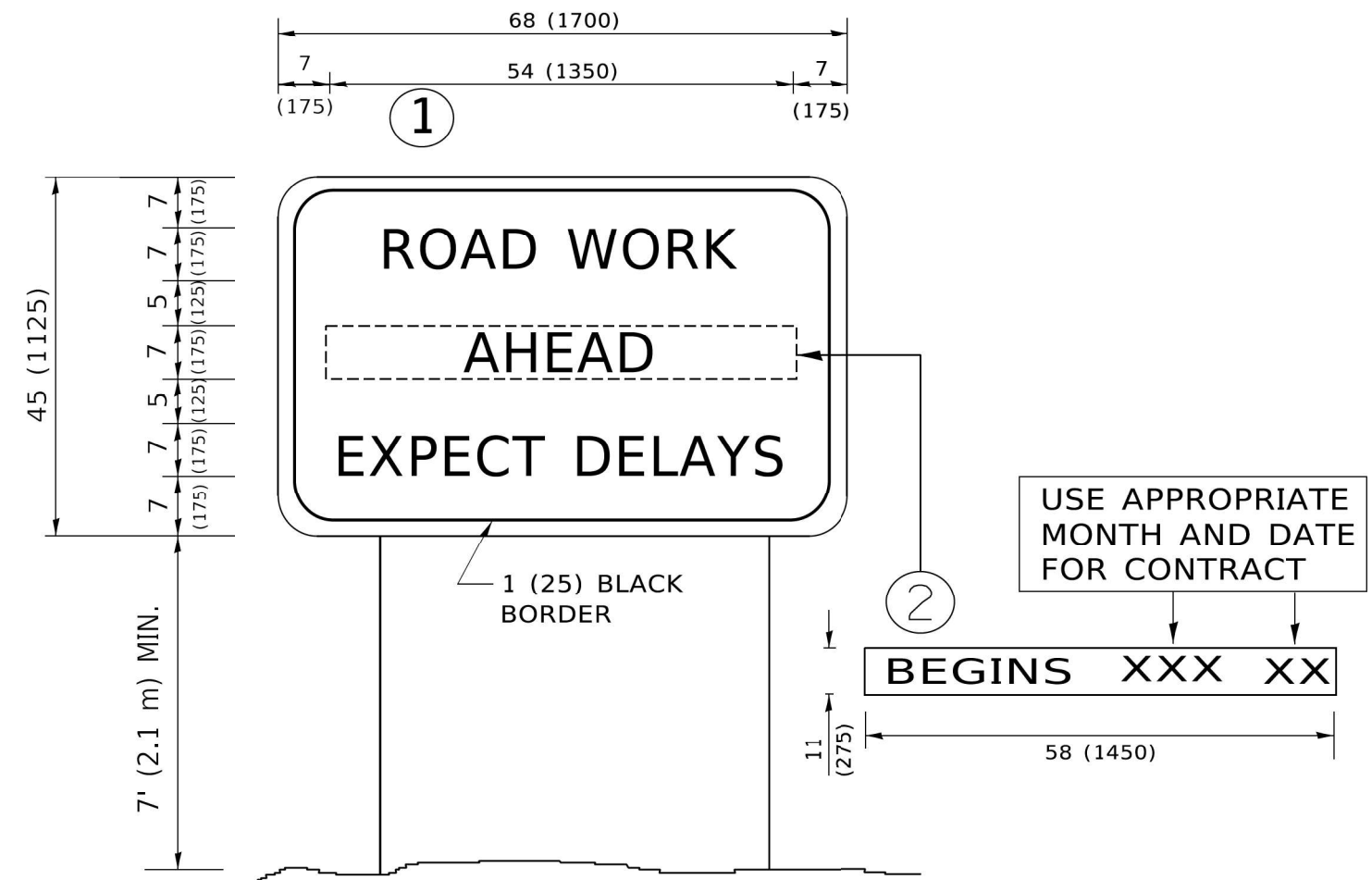
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PLOT SCALE = 50.0068" / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-R5	COOK	97	91
TC-16		CONTRACT NO. 62N79		
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.

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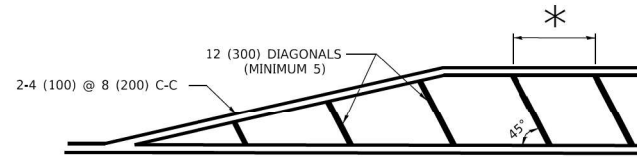
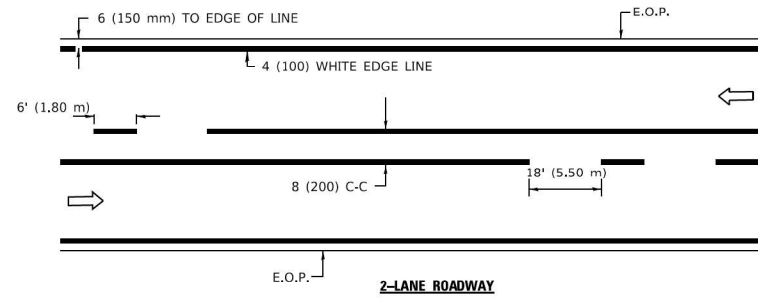
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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

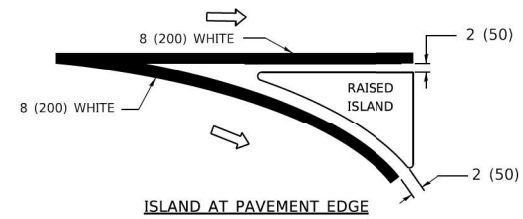
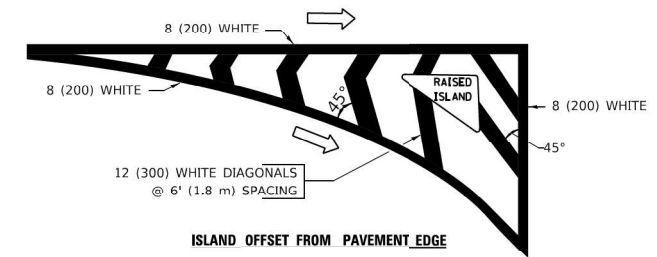
**ARTERIAL ROAD
INFORMATION SIGN**

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

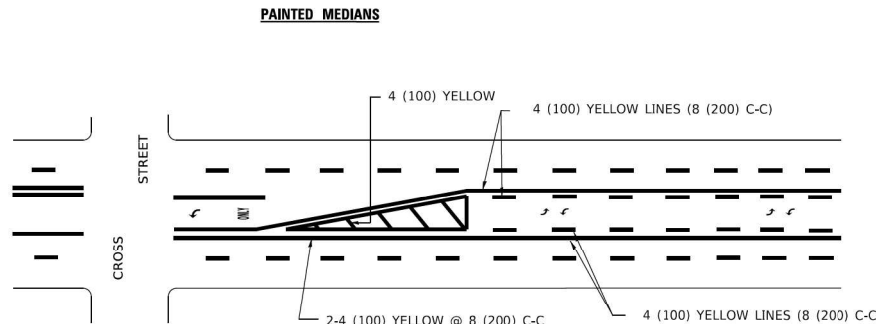
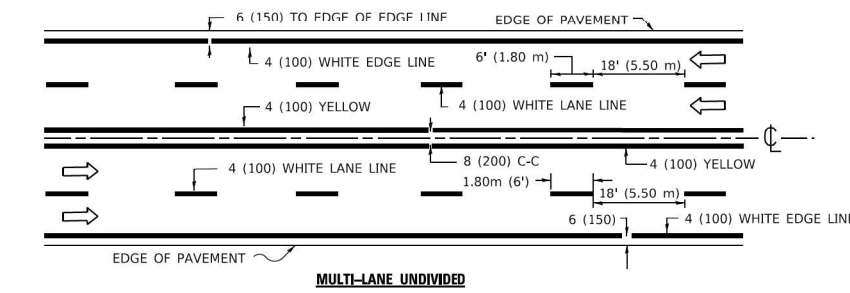
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-RS	COOK	97	92
TC-22			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				



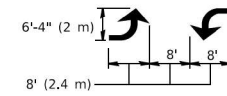
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 * DIAGONAL LINE SPACING: 20' (6.1 m) C-C



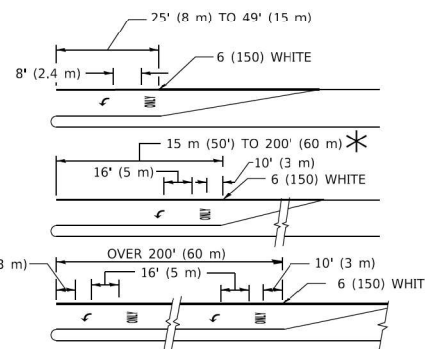
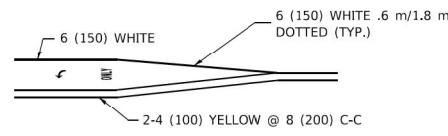
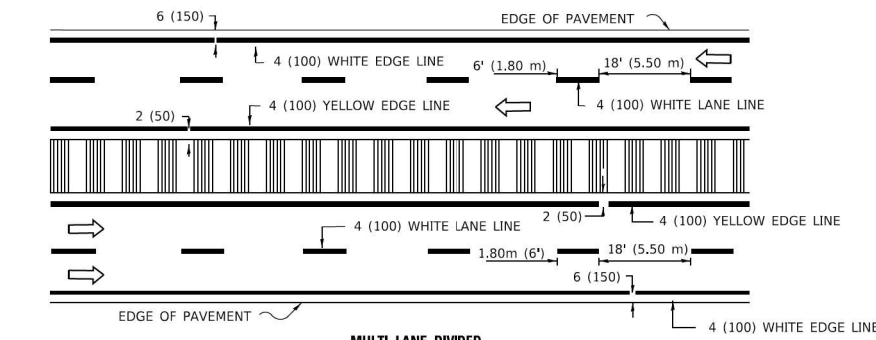
TYPICAL ISLAND MARKING



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED. WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



TYPICAL PAINTED MEDIAN MARKING



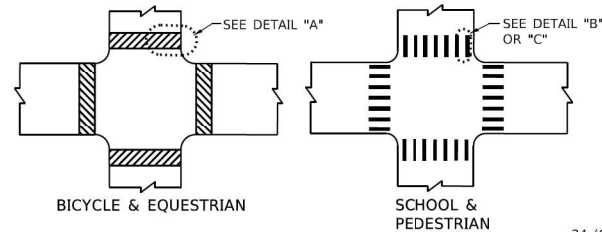
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

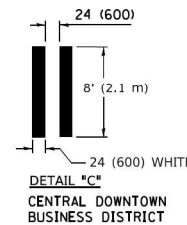
TYPICAL TURN LANE MARKING

TYPICAL LANE AND EDGE LINE MARKING
 NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES; FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8" (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	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°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "R"=3,6 SQ. FT. (0,33m ²) EACH "X"=54,0 SQ. FT. (5,0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

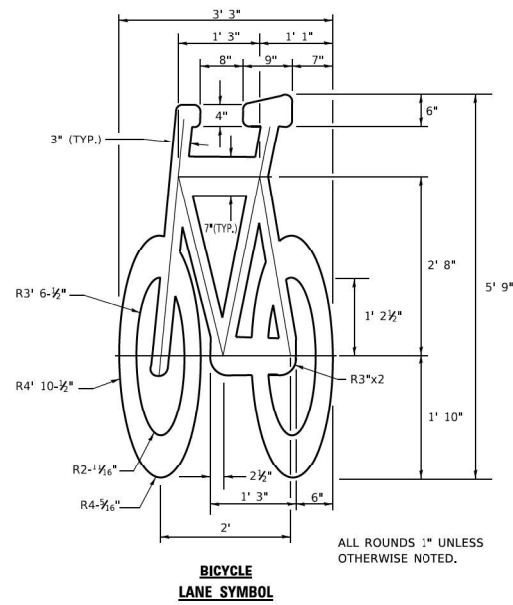
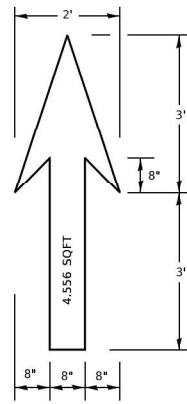
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	DRAWN -	REVISED - K. ENG 02-28-12
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

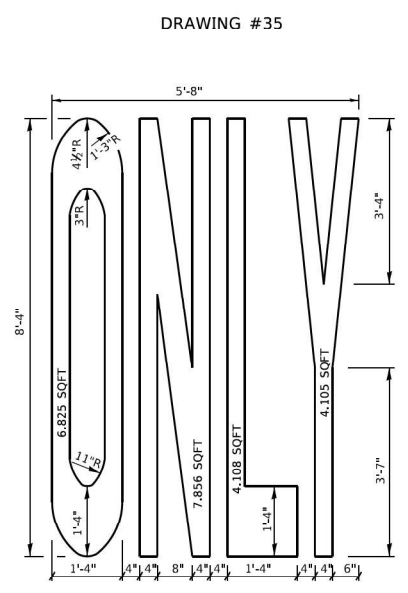
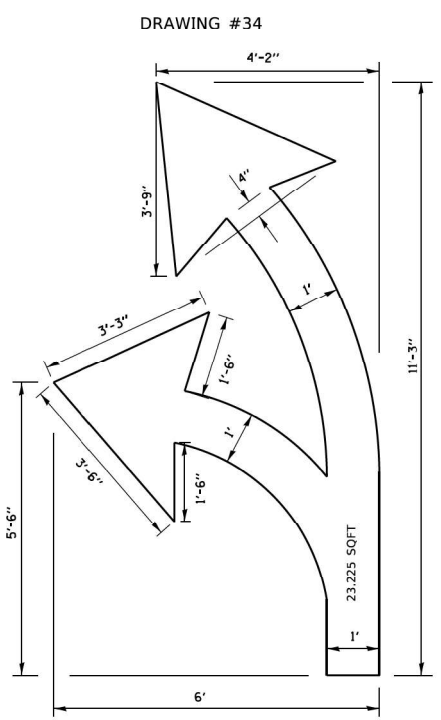
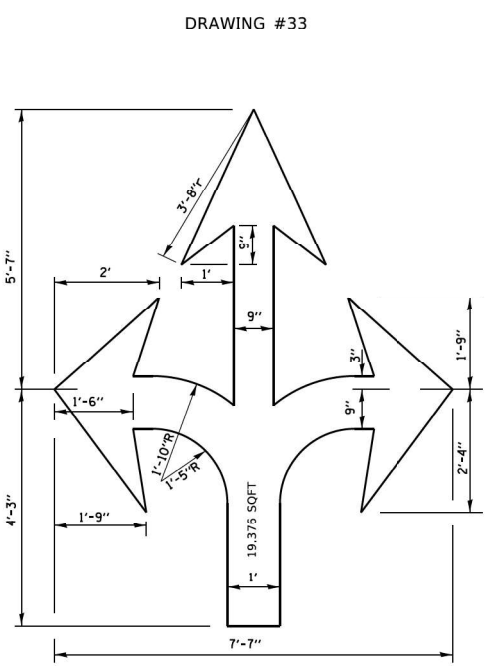
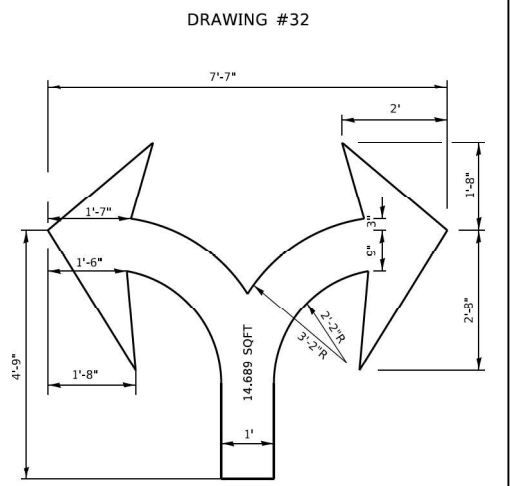
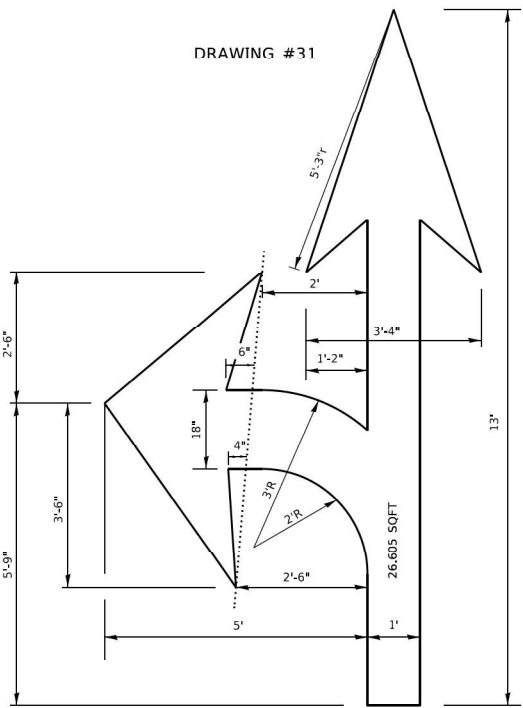
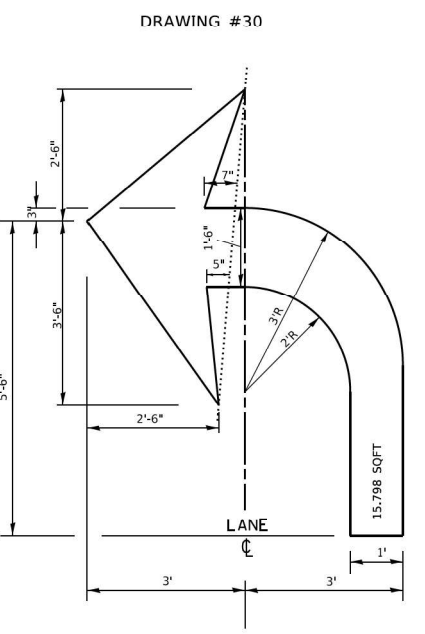
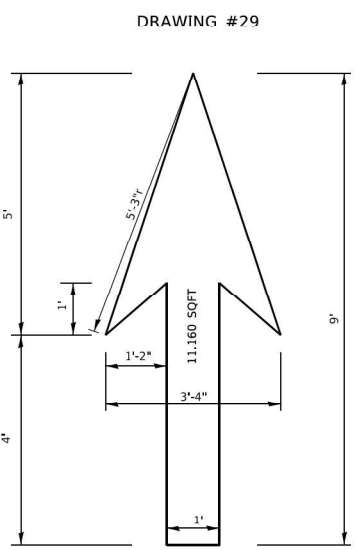
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CITY OF CHICAGO		SECTION		COUNTY	
TYPICAL PAVEMENT MARKINGS		347		COOK	
TC-24		2021-047-RS		CONTRACT NO. 62N79	
ILLINOIS		FED. AID PROJECT		TOTAL SHEETS 97	
				SHEET NO. 93	



NOTE:

- FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
- THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE:
ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

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	DATE -	REVISED -

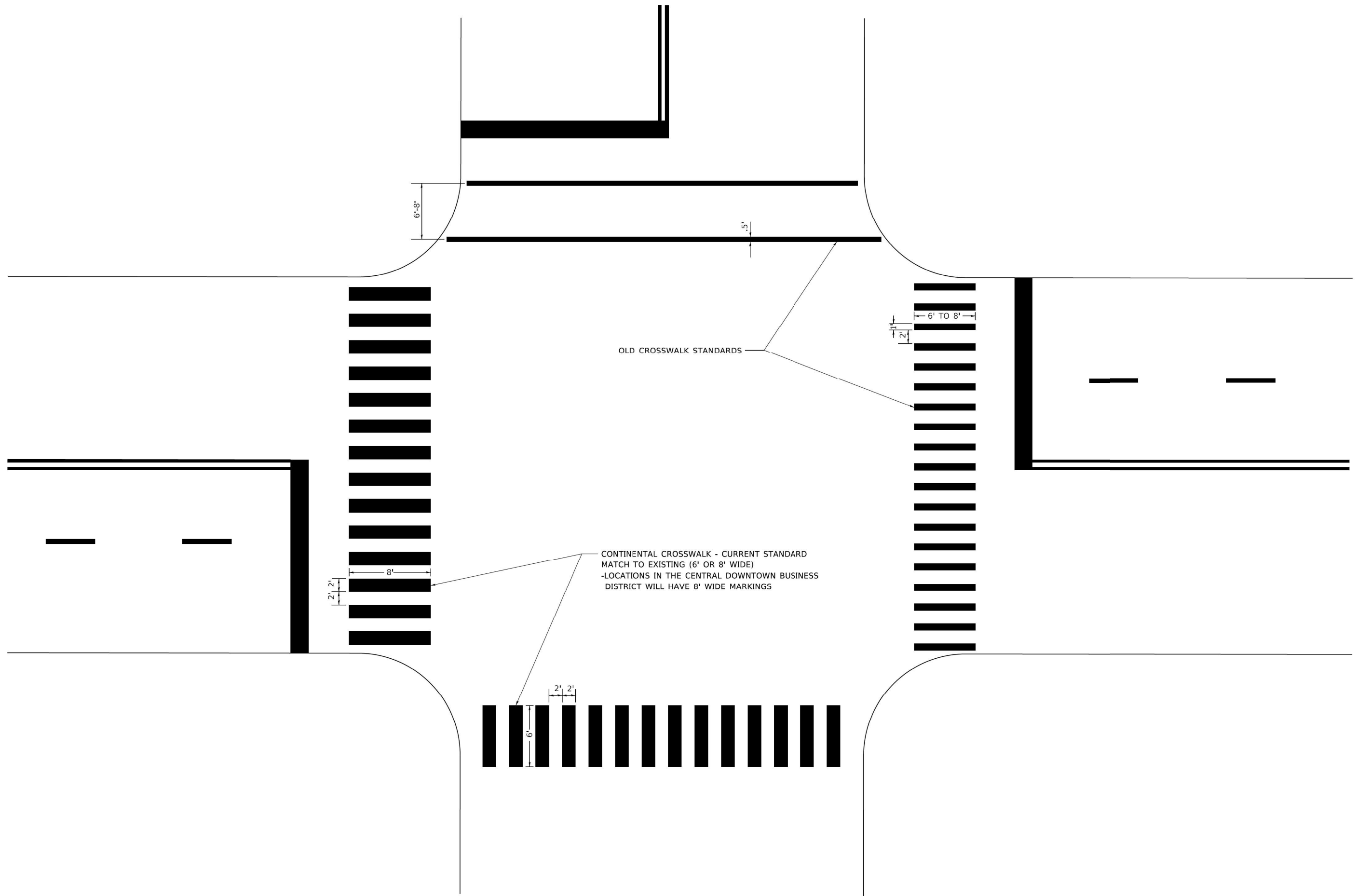
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-RS	COOK	97	94
TC-24		CONTRACT NO. 62N79		
ILLINOIS FED. AID PROJECT				

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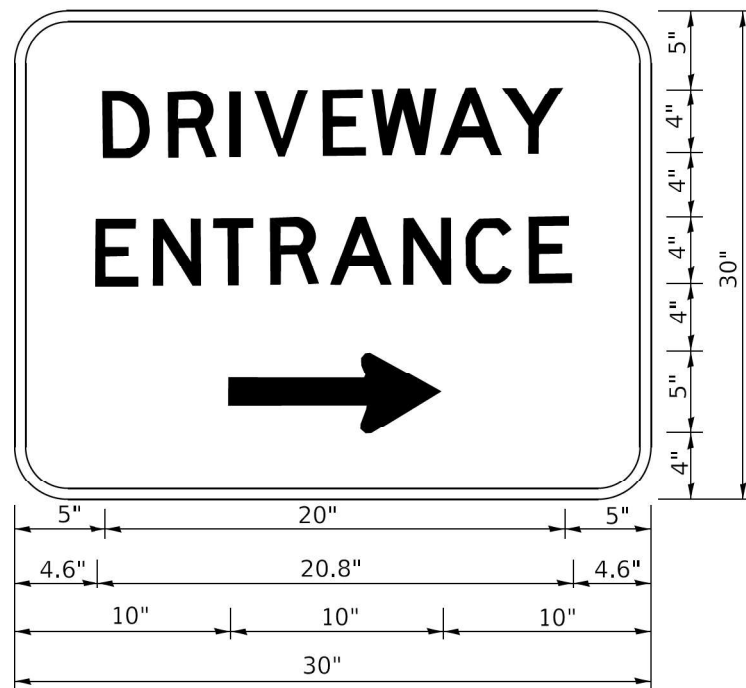
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS**

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

F.A.P. RTE. 347	SECTION 2021-047-RS	COUNTY COOK	TOTAL SHEETS 97	SHEET NO. 95
TC-24		CONTRACT NO. 62N79		
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".

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

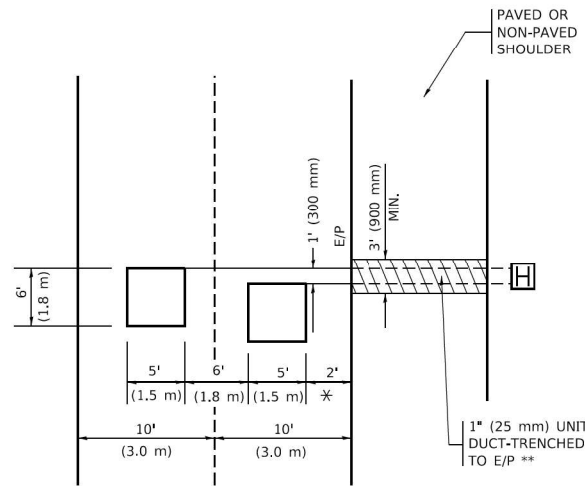
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2021-047-RS	COOK	97	96
TC-26			CONTRACT NO. 62N79	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



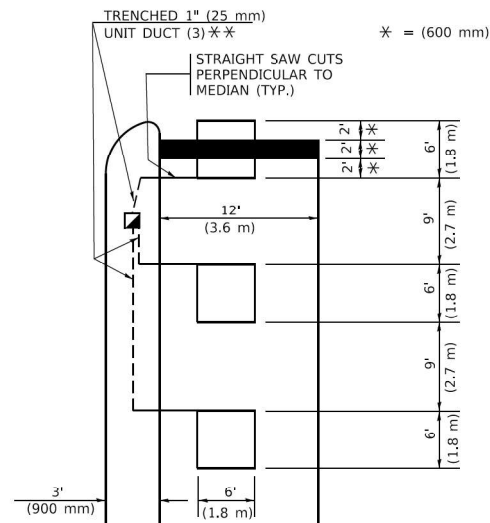
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



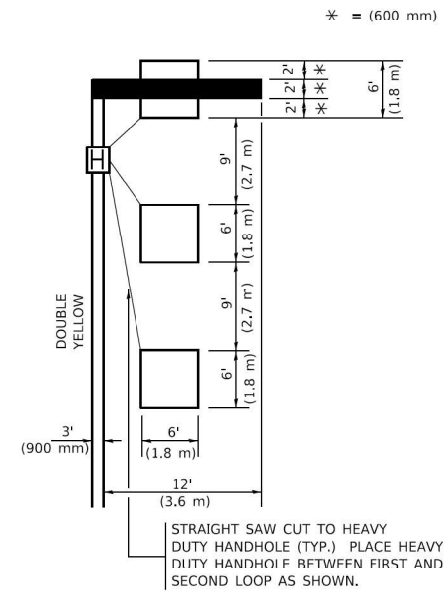
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH (PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

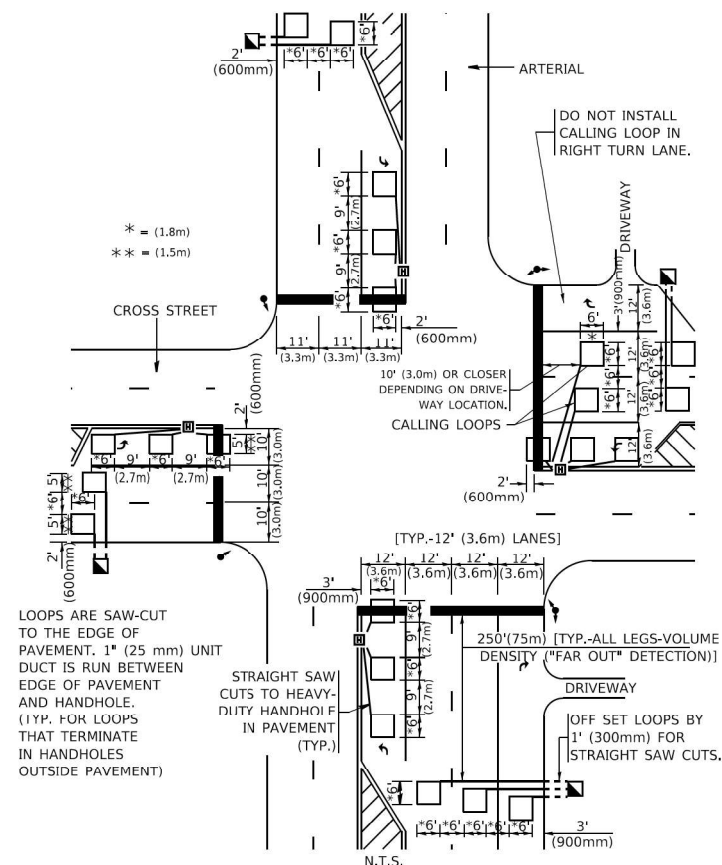
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)

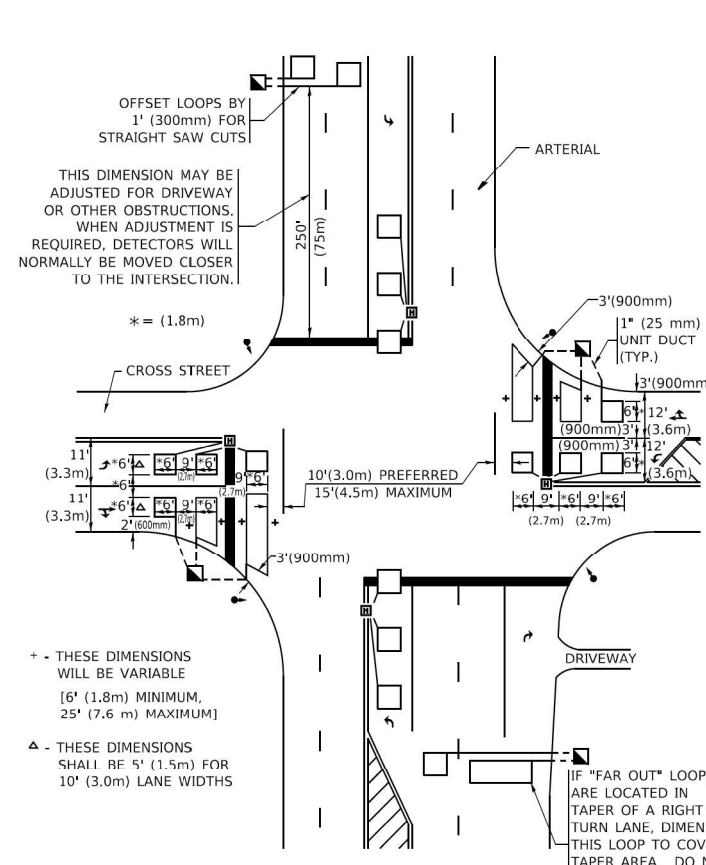


* = (1.8m)
** = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

Δ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2
N.T.S.

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PLOT SCALE = 50.0000' / 1"	CHECKED - R.K.F.	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS FOR ROADWAY RESURFACING		347	2021-047-RS	COOK	97	97
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO. 62N79	
		ILLINOIS		FED. AID PROJECT		