

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	1
		ILLINOIS	CONTRACT NO. 62J47	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

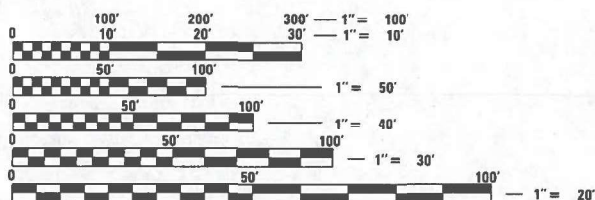
THE PROJECT IS LOCATED IN THE VILLAGE OF NORTH RIVERSIDE AND CITY OF BERWYN

TRAFFIC DATA:
IL ROUTE 43:
2021 ADT = 33,700
POSTED SPEED LIMIT = 35 MPH

CERMAK ROAD:
2022 ADT = 32,900
POSTED SPEED LIMIT = 35 MPH (WEST LEG), 30 MPH (EAST LEG)

DESIGN DESIGNATION:
IL ROUTE 43:
PRINCIPAL ARTERIAL

CERMAK ROAD:
MINOR ARTERIAL



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

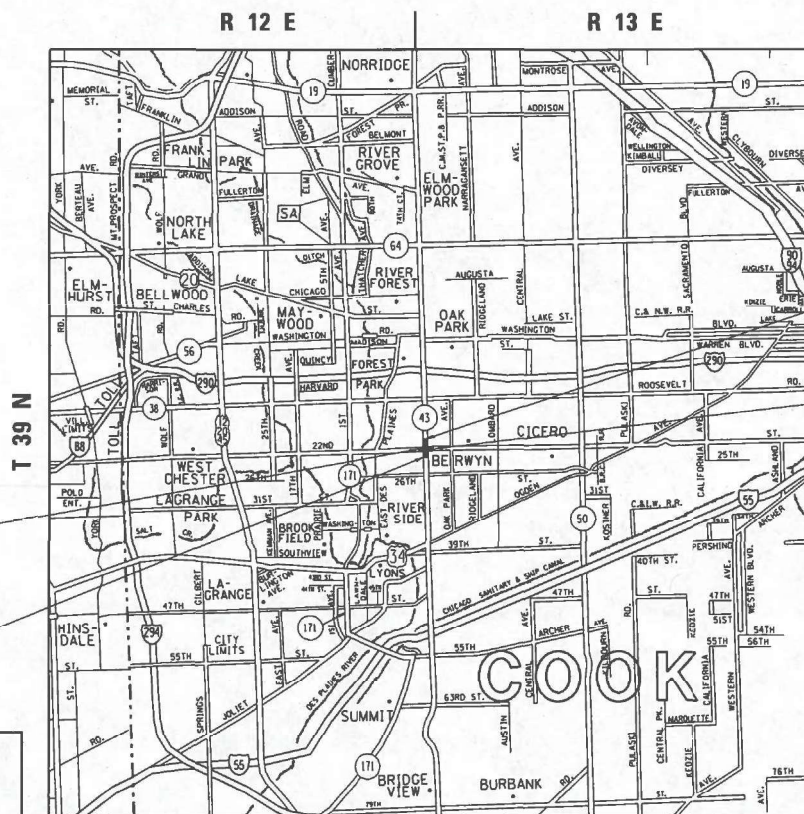
MEADE ELECTRIC CO.
DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES
773-287-7672

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255
PROJECT MANAGER: FAWAD AQUEEL

CONTRACT NO. 62J47

F.A.P. ROUTE 348 IL 43 (HARLEM AVENUE)
AT CERMAK ROAD (22ND STREET)
SECTION 2019-077-TS&SW
TRAFFIC SIGNAL MODERNIZATION,
LEFT TURN LANES,
STANDARD OVERLAY, ADA IMPROVEMENTS
PROJECT HSIP-DHBD(758)
COOK COUNTY

C-91-435-19



PROVISO, RIVERSIDE, AND BERWYN TOWNSHIPS

GROSS AND NET LENGTH = 4946.0 FT = 0.937 MILE

D-91-202-19



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED December 9, 2023
Open Road COR3
REGIONAL ENGINEER
February 2, 2024
ENGINEER OF DESIGN AND ENVIRONMENT
February 2, 2024
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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LIST OF STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
353001-05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420001-10	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSING
424031-02	MEDIAN PEDESTRIAN CROSSING
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ? 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877012-07	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

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PLOT DATE = 11/30/2023	DATE - 4/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND STANDARDS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	2
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. THE CONTRATOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
2. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
3. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
4. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
6. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
7. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
8. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
10. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
11. STORM SEWER CONSTRUCTED UNDER THE ROADWAY SHALL BE BACKFILLED ACCORDING TO METHOD 1 OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS.
12. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
13. THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
14. 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.
15. CLASS B PAVEMENT PATCHING WHICH REQUIRES FRAMES AND GRATES TO BE ADJUSTED SHALL BE CONSTRUCTED UTILIZING "CAST IN PLACE" ALTERNATE ACCORDING TO STATE HIGHWAY STANDARD 420111 FOR "PCC PAVEMENT ROUNDOUTS".
16. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
17. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
18. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, IDOT'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
20. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
21. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
22. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
23. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE PEDESTRIAN AND BUS ACCESS TO EXISTING BUS STOPS WITHIN PROJECT LIMITS AT ALL TIMES DURING CONSTRUCTION.
24. THE RESIDENT ENGINEER SHALL CONTACT CTA TRAFFIC PLANNING AT LEAST TWO WEEKS PRIOR TO ANY TEMPORARY BUS STOP RELOCATIONS. THE POINT OF CONTACT WILL BE JACK CHALABIAN, COORDINATOR, VIA EMAIL JCHALABIAN@TRANSITCHICAGO.COM
25. CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 2 WEEKS IN ADVANCE OF ANY IMPACTS TO BUS STOPS OR BUS OPERATIONS VIA EMAIL AT TRAFFIC.PLANNING@TRANSITCHICAGO.COM OR (312) 681-4176.
26. EXACT LOCATION OF ON-STREET BUS PADS WILL BE DETERMINED IN THE FIELD BY CTA TRAFFIC PLANNING STAFF AND THE RESIDENT ENGINEER.
27. CONTRACTOR IS TO COORDINATE REMOVAL OF CITY OF BERWYN'S BANNERS AND SIGNS ON EAST LEG OF CERMAK ROAD WITH CITY OF BERWYN.
28. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULATIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
29. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
30. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
31. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
32. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
33. THE EXACT LOCATION OF ALL UTILITES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
34. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
35. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
36. RESTORATION OF THE TRAFFIC SIGNAL AND LIGHTING WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SUFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENTS, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.
37. A CONCRETE APRON SHALL NOT BE REQUIRED FOR NEW UPS INSTALLATIONS ADJACENT TO EXISTING IMPERVIOUS SURFACES THAT SATISFY THE NEED OF CONCRETE APRON, AS DIRECTED BY THE ENGINEER.
38. LOCATIONS WITH PEDESTRIAN SIGNAL EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THE PLANS FOR THE TRAFFIC SIGNAL MAST ARM AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE ADA COMPLIANCE.

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PLOT DATE = 11/30/2023	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	3
CONTRACT NO. 62J47				
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY				
CODE NO	ITEM	UNIT													
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER	TON	994	994											
	COURSE, IL-4.75, N50														
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE	TON	2362	2362											
	MATRIX ASPHALT, 9.5, MIX "F", N80														
42001300	PROTECTIVE COAT	SO YD	1871	1871											
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4727	4727											
42400800	DETECTABLE WARNINGS	SO FT	267	267											
44000100	PAVEMENT REMOVAL	SO YD	1585	1585											
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	23147	23147											
44000600	SIDEWALK REMOVAL	SO FT	4435	4435											
44003100	MEDIAN REMOVAL	SO FT	9742	9742											
44201292	DOWEL BARS 5/8"	EACH	12	12											
44201297	DOWEL BARS 1"	EACH	60	60											
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	18	18											
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	174	174											
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	347	347											
															* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	5
CONTRACT NO. 62J47				
SCALE: -		SHEET 2 OF 14 SHEETS	STA. -	TO STA. -
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY					
CODE NO	ITEM	UNIT															
67100100	MOBILIZATION	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													
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1													
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1													
x7010238	CHANGEABLE MESSAGE SIGN (SPECIAL)	CAL MO	12	12													
70300100	SHORT TERM PAVEMENT MARKING	FOOT	9604	9604													
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	29475	29475													
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	1270	1270													
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	8812	8812													
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	4840	4840													
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1974	1974													
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	432	432													
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	2401	2401													
																	* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)	
SCALE: -	SHEET 4 OF 14 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	7
			CONTRACT NO. 62J47	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY				
CODE NO	ITEM	UNIT													
70307100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE IV TAPE	SO FT	3715	3715											
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	13218	13218											
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	7260	7260											
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	2961	2961											
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	648	648											
* 72000100	SIGN PANEL - TYPE 1	SO FT	184	82		60	42								
* 72000200	SIGN PANEL - TYPE 2	SO FT	81			53	28								
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	11	11											
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	12	12											
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	7	7											
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	142	142											
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1270	1270											
												* SPECIALTY ITEMS			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)	
SCALE: -	SHEET 5 OF 14 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	8
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY				
CODE NO	ITEM	UNIT													
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8812	8812											
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4840	4840											
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1974	1974											
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	432	432											
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	414	414											
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	373	373											
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SO FT	5703	5703											
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	1000	1000											
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3886			1826	912		1049	99					
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	370			94	125			5	146				
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1561			984	490			87					
* 81400100	HANDHOLE	EACH	9			5	4								
* 81400200	HEAVY-DUTY HANDHOLE	EACH	8			4	2			2					
* 81400300	DOUBLE HANDHOLE	EACH	6			4	2								
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1								1				
															* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)	
SCALE: -	SHEET 6 OF 14 SHEETS STA. - TO STA. -

F.A.P. RTE. 348	SECTION 2019-077-T5GSW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 9
			CONTRACT NO. 62J47	
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY					
CODE NO	ITEM	UNIT															
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3089				1705	844			540						
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	4980				2856	1556			568						
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	6990				4431	2099			460						
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3414				1400	2014									
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	10034				7115	2680			239						
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	773				439	334									
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3068				1855	1087			126						
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4					3			1						
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1				1										
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1				1										
* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1				1										
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1				1										
* 87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1					1									
* 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1					1									
													* SPECIALTY ITEMS				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: - SHEET 8 OF 14 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	11
			CONTRACT NO. 62J47	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY				
CODE NO	ITEM	UNIT													
* 87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	2				2								
* 87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1			1									
* 87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1			1									
* 87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	2			1	1								
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24			4	16			4					
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8			4	4								
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	61			47	14								
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	69			43	26								
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42			21	21								
* 87900200	DRILL EXISTING HANDHOLE	EACH	10						3	7					
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	25			17	8								
															* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

F.A.P. RTE. 348	SECTION 2019-077-T5GSW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 12
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	

SCALE: - SHEET 9 OF 14 SHEETS STA. - TO STA. -

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY				
CODE NO	ITEM	UNIT													
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4				4								
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6				6								
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	10			6	4								
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	18			8	6			4					
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	35			23	12								
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	29			21	8								
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1851			1252	334			265					
* 88700200	LIGHT DETECTOR	EACH	8					8							
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2					2							
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2			1	1								
* 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2							2					
* 89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1							1					
* 89502200	MODIFY EXISTING CONTROLLER	EACH	1							1					
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1							1					* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

F.A.P. RTE. 348	SECTION 2019-077-T5GSW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 13
SCALE: -			SHEET 10 OF 14 SHEETS STA. - TO STA. -	
ILLINOIS FED. AID PROJECT CONTRACT NO. 62J47				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY				
CODE NO	ITEM	UNIT													
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5377			190	470		3238	594	835				
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1185							1185					
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3			1	1			1					
* 89502376	REBUILD EXISTING HANDHOLE	EACH	5							5					
* 89502380	REMOVE EXISTING HANDHOLE	EACH	29			17	10			2					
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2			1	1								
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	20			10	9			1					
X0321309	CONCRETE PAD	SO YD	180	180											
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1965					1965							
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1211			159	441		611						
* X8005020	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	7								7				
* X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	7								7				
* X8301115	MAST ARM, STREET LIGHTING, 15'	EACH	12								12				
X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	55	55											
															* SPECIALTY ITEMS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

F.A.P. RTE. 348	SECTION 2019-077-T5GSW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 14
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	

SCALE: - SHEET 11 OF 14 SHEETS STA. - TO STA. -

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY					
CODE NO	ITEM	UNIT															
X0327989	REMOVE EXISTING BRICK PAVERS	SO FT	72	72													
* X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	2		1	1											
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2			1	1										
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	9			6	1				2						
X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2				2										
X1700011	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE 4 INCH	SO FT	714	714													
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	7	7													
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	569	569													
X6026624	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	12	12													
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	49	49													
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	18	18													
																	* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)			
SCALE: -	SHEET 12	OF 14 SHEETS	STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	15
			CONTRACT NO. 62J47	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	0005 ROADWAY 90% HSIP (FED) 10% STATE COOK COUNTY	0005 ROADWAY 100% STATE COOK COUNTY	0021 SIGNALS 90% HSIP (FED) 10% STATE IL 43 AT CERMAK COOK COUNTY	0021 SIGNALS 50% NORTH RIVERSIDE 50% BERWYN IL 43 AT 23RD ST COOK COUNTY	0021 EVP 100% LOCAL NORTH RIVERSIDE COOK COUNTY	0021 INTERCONNECT 90% HSIP (FED) 10% STATE COOK COUNTY	0005 SIGNALS 90% HSIP (FED) 10% STATE OTHER ADA IMPROVEMENTS COOK COUNTY	0021 LIGHTING 100% TOLL CREDIT (FED) BERWYN COOK COUNTY				
CODE NO	ITEM	UNIT													
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1											
* X8211007	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4								4				
* X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8								8				
* X8250091	COMBINATION LIGHTING CONTROLLER	EACH	2								2				
* X8600105	MASTER CONTROLLER (SPECIAL)	EACH	1			1									
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2			1	1								
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3827						3827						
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	22			8	6			8					
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	36			24	4			8					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1											
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	217	217											
Z0032470	JOINT SEALER	FOOT	420	420											
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	12								12				
															* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: - SHEET 13 OF 14 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5GSW	COOK	134	16
			CONTRACT NO. 62J47	
		ILLINOIS FED. AID PROJECT		

EARTHWORK SCHEDULE

EARTHWORK NOTES:

1. STATION RANGE
2. VOLUME TO BE CUT
3. VOLUME TO BE CUT WITH OMISSION DUE TO BEING UNDERCUT OR HAVING AN A(1) CONTAMINATED SITE PER THE PSI REPORT
4. VOLUME TO BE USED AS FILL AFTER ADJUSTING 15% FOR SHRINKAGE
5. VOLUME TO BE FILLED
6. COLUMN (4) MINUS COLUMN (5)

LOCATION		EARTH EXCAVATION	SUITABLE EARTH EXCAVATION	SUITABLE EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
(1)	(1)	(2)	(3)	(4)	(5)	(6)
IL ROUTE 43 (HARLEM AVENUE)						
91+00	91+50	12	12	10	0	10
91+50	92+00	15	15	13	0	13
92+00	92+50	26	26	22	0	22
92+50	93+00	28	28	23	0	23
93+00	93+50	24	24	20	0	20
93+50	94+00	25	25	21	0	21
94+00	94+50	26	26	23	0	23
94+50	95+00	24	24	21	0	20
95+00	95+50	0	0	0	0	0
95+50	96+00	20	20	17	0	17
96+00	96+50	18	18	15	0	15
96+50	97+00	17	17	15	0	15
97+00	97+50	18	18	15	0	15
97+50	98+00	22	22	19	0	19
98+00	98+50	24	24	20	0	20
98+50	99+00	24	24	20	0	20
99+00	99+50	23	23	20	0	19
99+50	100+00	49	49	41	1	41
100+00	100+50	71	71	60	2	58
100+50	101+00	99	99	84	1	84
101+00	101+50	16	16	14	0	14
101+50	102+00	17	17	15	0	15
102+00	102+50	18	18	15	0	15
102+50	103+00	17	17	14	0	14
103+00	103+50	17	17	14	0	14
103+50	104+00	12	12	10	0	10
104+00	104+50	12	12	11	1	10
104+50	105+00	14	14	12	0	12
105+00	105+50	15	15	13	1	12
105+50	106+00	14	14	12	1	11
106+00	106+50	13	13	11	0	11
TOTAL		731	731	621	7	614
22ND STREET (CERMAK ROAD)						
66+00	66+50	0	0	0	0	0
66+50	67+00	0	0	0	0	0
67+00	67+50	16	16	14	0	14
67+50	68+00	17	17	14	0	14
68+00	68+50	17	17	14	0	14
68+50	69+00	24	24	21	0	21
69+00	69+50	25	25	21	0	21
69+50	70+00	24	24	21	0	21
70+00	70+50	24	24	21	0	21
70+50	71+00	25	25	21	0	21
71+00	71+50					(ACCOUNTED FOR IN IL 43 QUANTITIES)
71+50	72+00					(ACCOUNTED FOR IN IL 43 QUANTITIES)
72+00	72+50					(ACCOUNTED FOR IN IL 43 QUANTITIES)
72+50	73+00					(ACCOUNTED FOR IN IL 43 QUANTITIES)
73+00	73+50	13	13	11	0	11
73+50	74+00	13	13	11	0	11
74+00	74+50	13	13	11	0	11
74+50	75+00	17	17	14	0	14
75+00	75+50	16	16	13	0	13
75+50	76+00	16	16	14	0	14
TOTAL		260	260	221	0	221

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

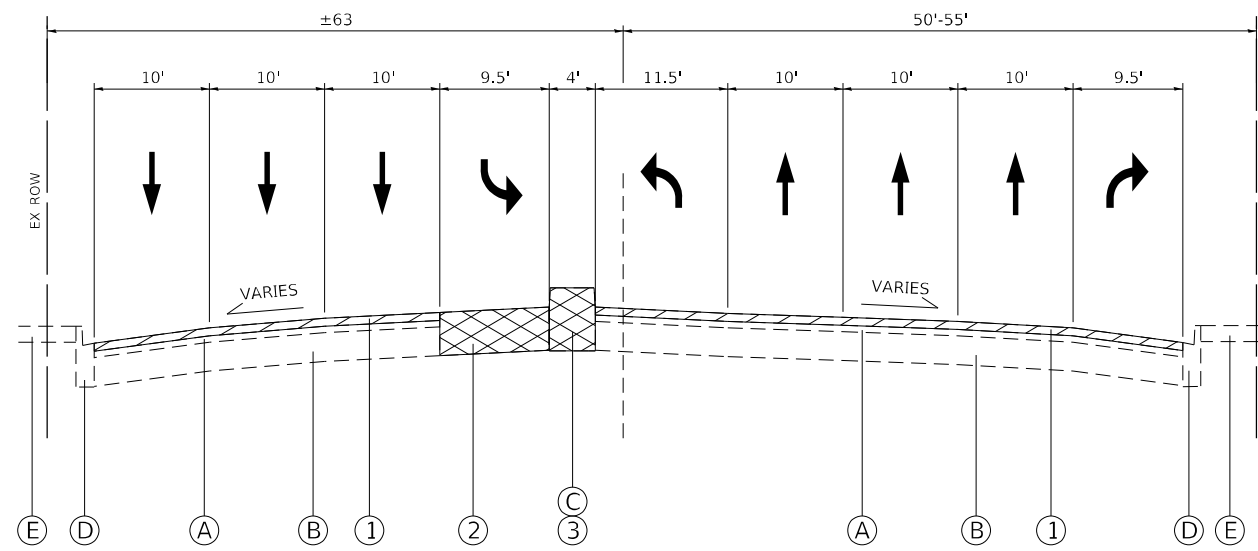
EARTHWORK SCHEDULE	
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)	
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	18
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

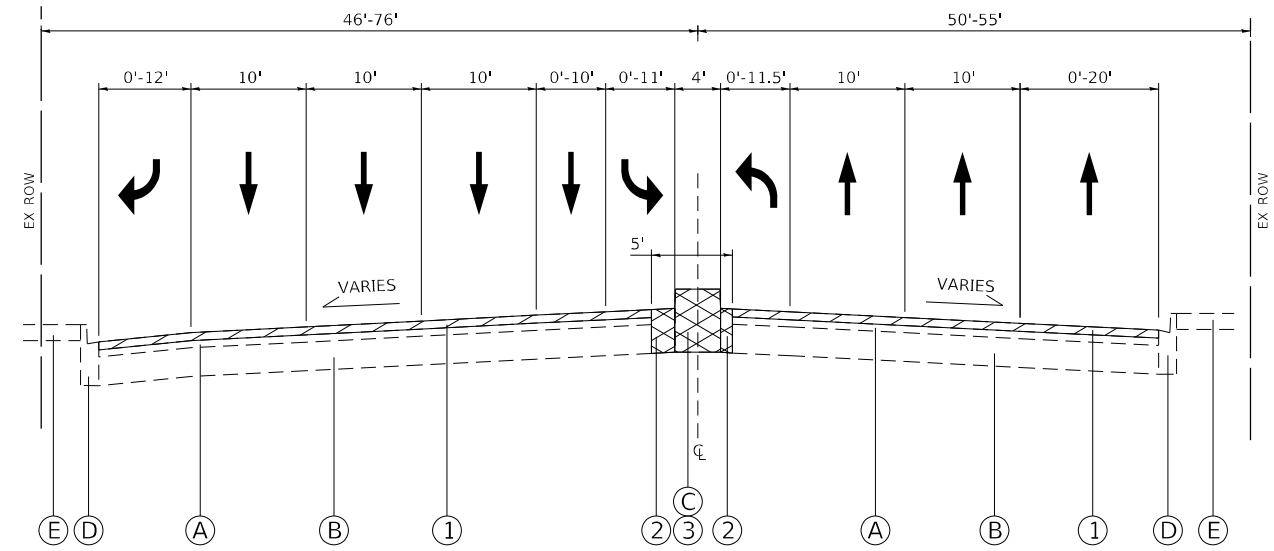
LEGEND

- Ⓐ EXISTING HMA PAVEMENT, ±4.75"
- Ⓑ EXISTING PCC PAVEMENT, ±9"
- Ⓒ EXISTING MEDIAN
- Ⓓ EXISTING CURB AND GUTTER
- Ⓔ EXISTING SIDEWALK

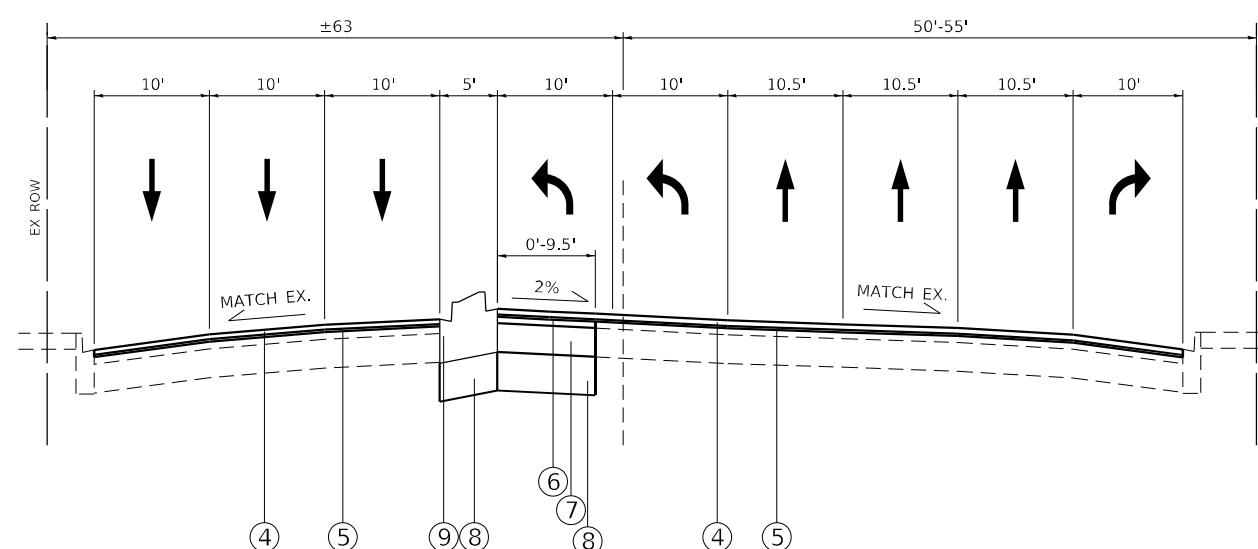
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- ② PROPOSED PAVEMENT REMOVAL
- ③ PROPOSED MEDIAN REMOVAL
- ④ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- ⑥ PROPOSED HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 2.25"
- ⑦ PROPOSED PCC BASE COURSE WIDENING, 9"
- ⑧ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ PROPOSED CONCRETE MEDIAN SB-6.12
- ⑩ PROPOSED COMBINATION CURB AND GUTTER B-6.12
- ⑪ PROPOSED STAMPED COLORED PCC MEDIAN SURFACE, 4"



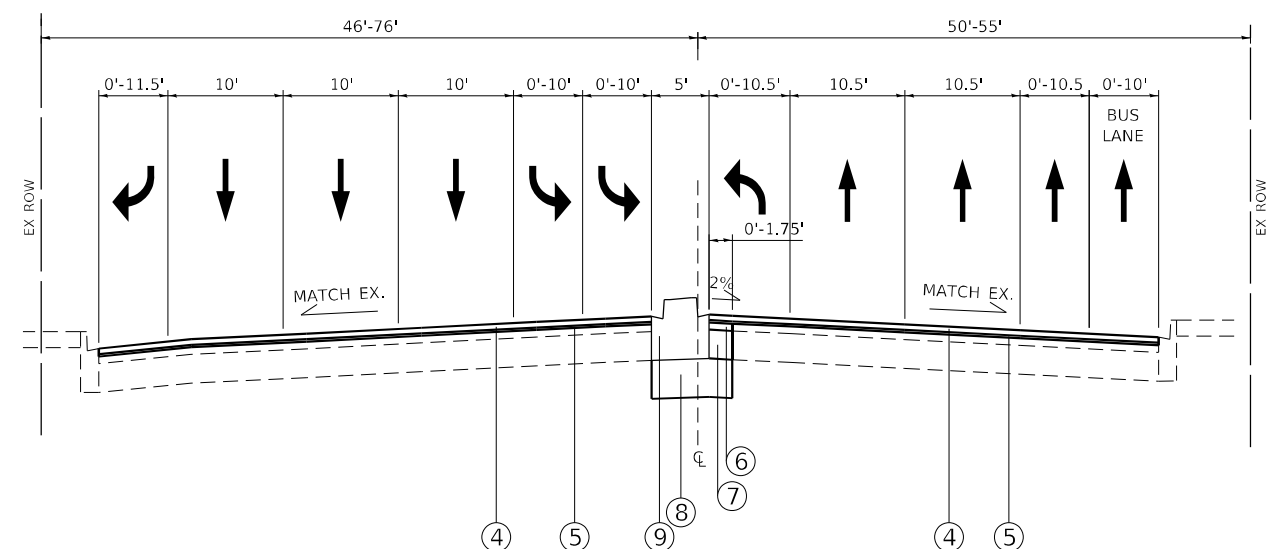
IL RTE 43
EXISTING TYPICAL SECTION
97+70 to 100+00



IL RTE 43
EXISTING TYPICAL SECTION
100+00 TO 106+52



IL RTE 43
PROPOSED TYPICAL SECTION
97+70 to 100+00



IL RTE 43
PROPOSED TYPICAL SECTION
100+00 TO 106+52

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

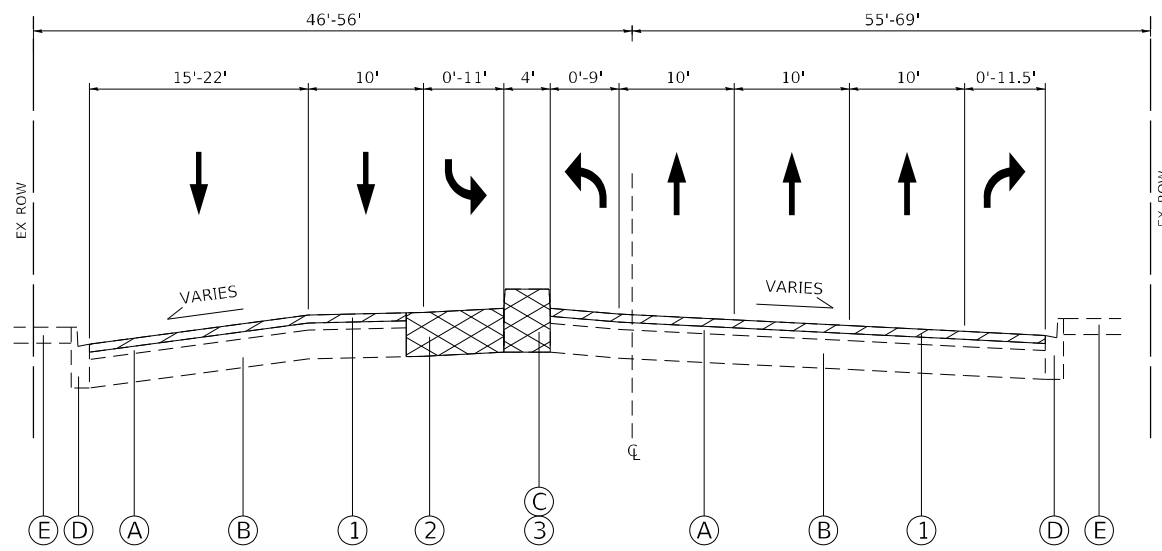
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	20
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

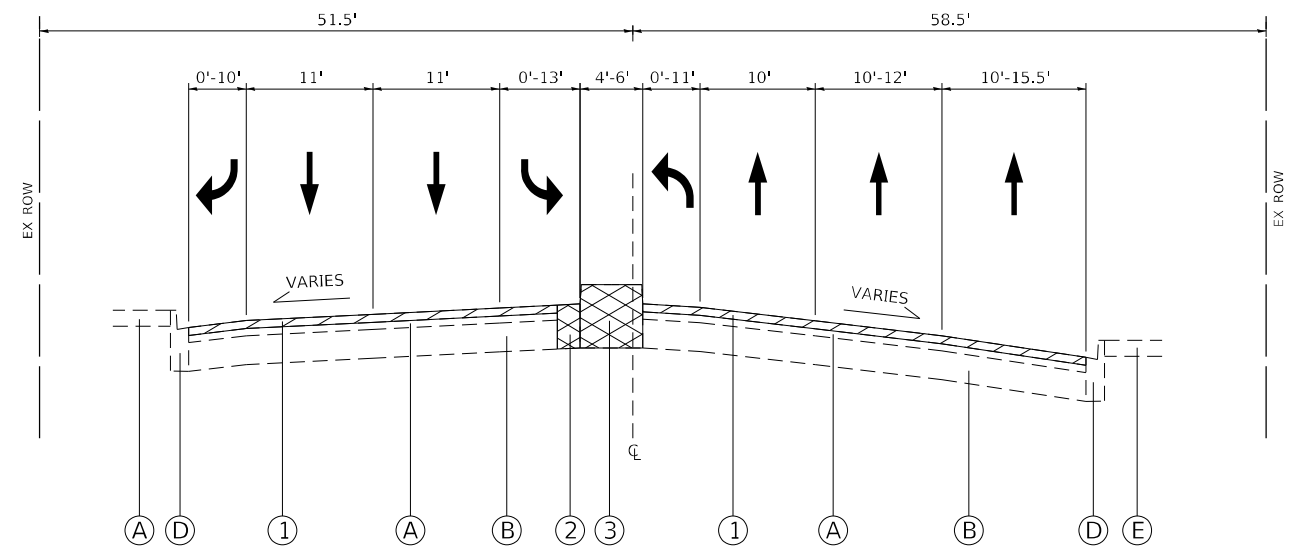
LEGEND

- Ⓐ EXISTING HMA PAVEMENT, ±4.75"
- Ⓑ EXISTING PCC PAVEMENT, ±9"
- Ⓒ EXISTING MEDIAN
- Ⓓ EXISTING CURB AND GUTTER
- Ⓔ EXISTING SIDEWALK

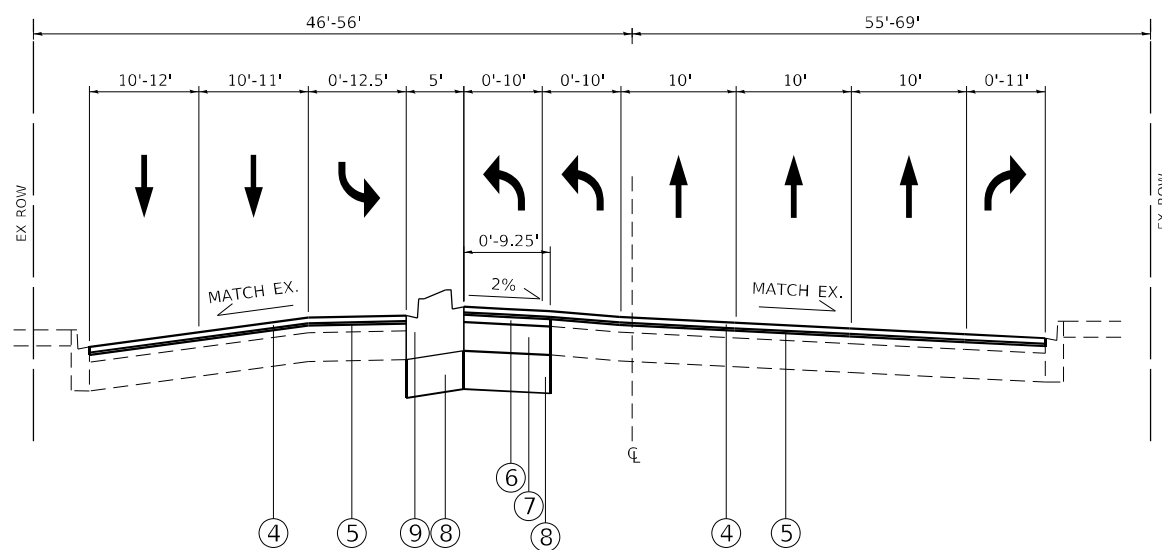
- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- ② PROPOSED PAVEMENT REMOVAL
- ③ PROPOSED MEDIAN REMOVAL
- ④ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- ⑥ PROPOSED HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 2.25"
- ⑦ PROPOSED PCC BASE COURSE WIDENING, 9"
- ⑧ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑨ PROPOSED CONCRETE MEDIAN SB-6.12
- ⑩ PROPOSED COMBINATION CURB AND GUTTER B-6.12
- ⑪ PROPOSED STAMPED COLORED PCC MEDIAN SURFACE, 4"



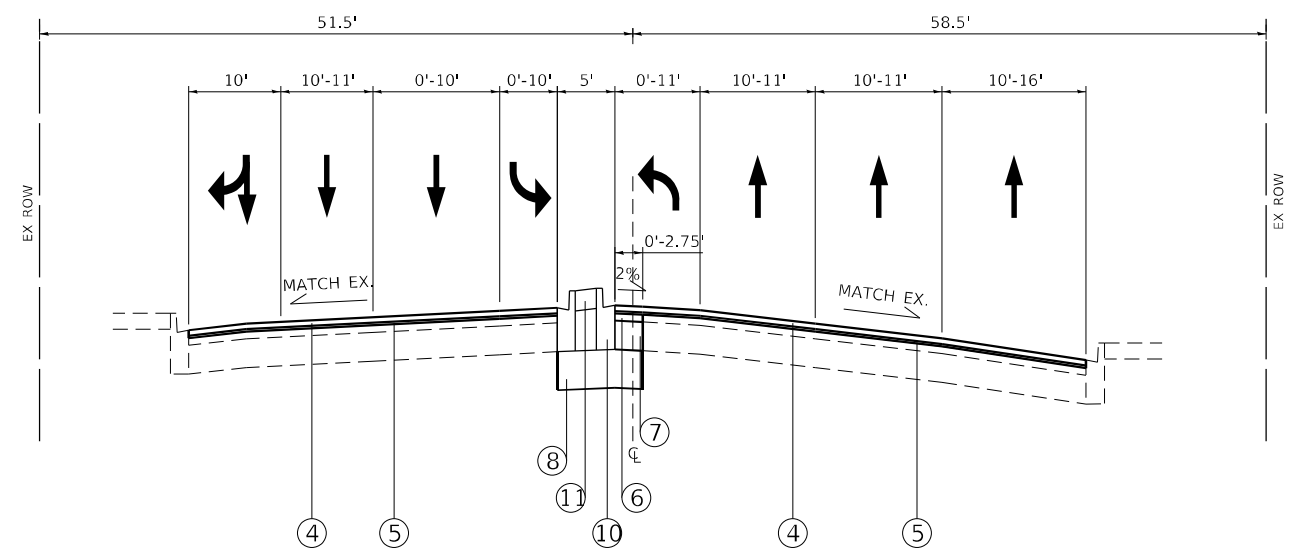
CERMAK ROAD
EXISTING TYPICAL SECTION
65+90 TO 72+00



CERMAK ROAD
EXISTING TYPICAL SECTION
72+00 TO 76+45



CERMAK ROAD
PROPOSED TYPICAL SECTION
65+90 TO 72+00



CERMAK ROAD
PROPOSED TYPICAL SECTION
72+00 TO 76+45

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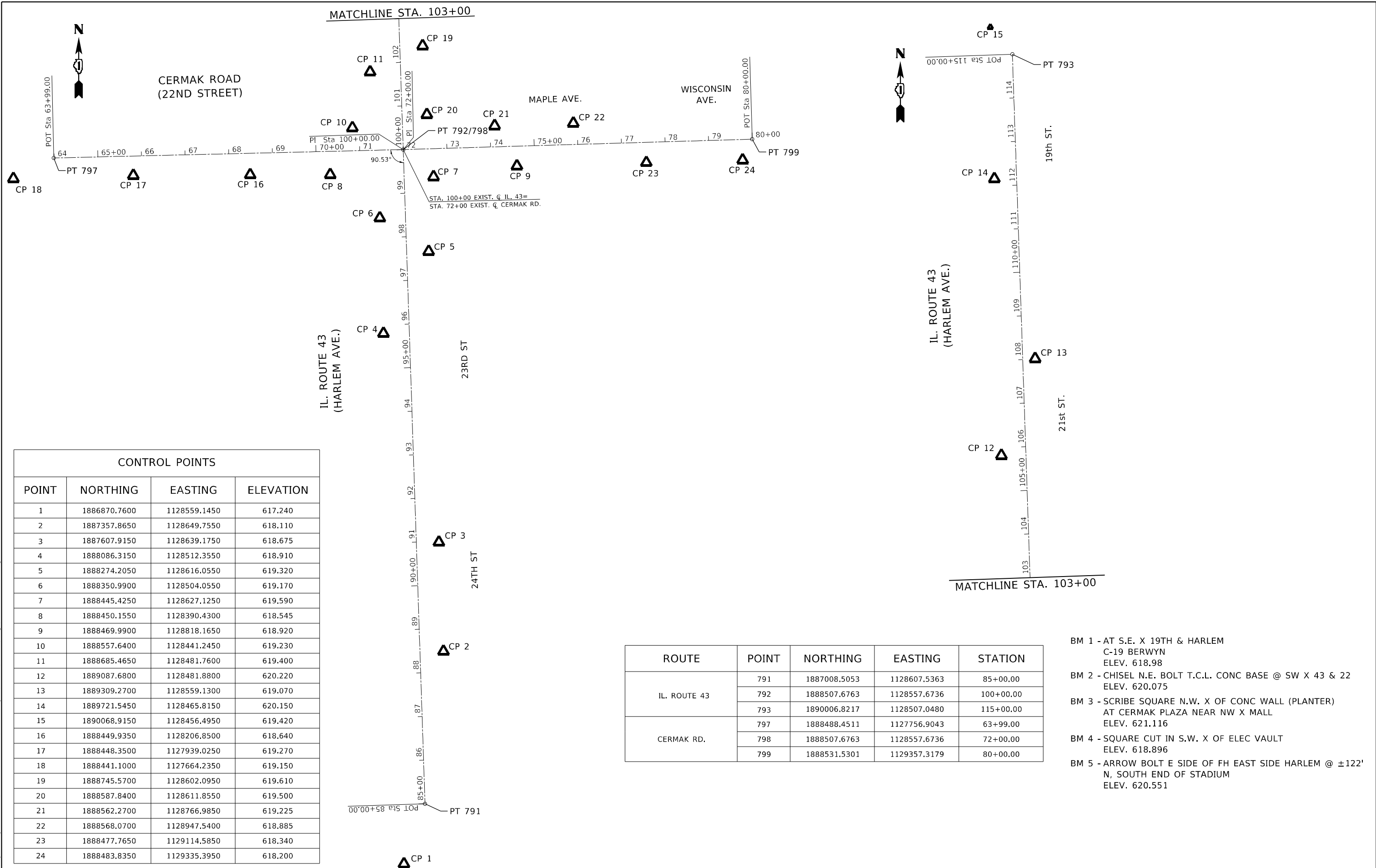
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PLOT DATE = 5/23/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: - SHEET 3 OF 3 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	21
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				



CONTROL POINTS			
POINT	NORTHING	EASTING	ELEVATION
1	1886870.7600	1128559.1450	617.240
2	1887357.8650	1128649.7550	618.110
3	1887607.9150	1128639.1750	618.675
4	1888086.3150	1128512.3550	618.910
5	1888274.2050	1128616.0550	619.320
6	1888350.9900	1128504.0550	619.170
7	1888445.4250	1128627.1250	619.590
8	1888450.1550	1128390.4300	618.545
9	1888469.9900	1128818.1650	618.920
10	1888557.6400	1128441.2450	619.230
11	1888685.4650	1128481.7600	619.400
12	1889087.6800	1128481.8800	620.220
13	1889309.2700	1128559.1300	619.070
14	1889721.5450	1128465.8150	620.150
15	1890068.9150	1128456.4950	619.420
16	1888449.9350	1128206.8500	618.640
17	1888448.3500	1127939.0250	619.270
18	1888441.1000	1127664.2350	619.150
19	1888745.5700	1128602.0950	619.610
20	1888587.8400	1128611.8550	619.500
21	1888562.2700	1128766.9850	619.225
22	1888568.0700	1128947.5400	618.885
23	1888477.7650	1129114.5850	618.340
24	1888483.8350	1129335.3950	618.200

ROUTE	POINT	NORTHING	EASTING	STATION
IL. ROUTE 43	791	1887008.5053	1128607.5363	85+00.00
	792	1888507.6763	1128557.6736	100+00.00
	793	1890006.8217	1128507.0480	115+00.00
CERMAK RD.	797	1888488.4511	1127756.9043	63+99.00
	798	1888507.6763	1128557.6736	72+00.00
	799	1888531.5301	1129357.3179	80+00.00

- BM 1 - AT S.E. X 19TH & HARLEM
C-19 BERWYN
ELEV. 618.98
- BM 2 - CHISEL N.E. BOLT T.C.L. CONC BASE @ SW X 43 & 22
ELEV. 620.075
- BM 3 - SCRIBE SQUARE N.W. X OF CONC WALL (PLANTER)
AT CERMAK PLAZA NEAR NW X MALL
ELEV. 621.116
- BM 4 - SQUARE CUT IN S.W. X OF ELEC VAULT
ELEV. 618.896
- BM 5 - ARROW BOLT E SIDE OF FH EAST SIDE HARLEM @ ±122'
N, SOUTH END OF STADIUM
ELEV. 620.551

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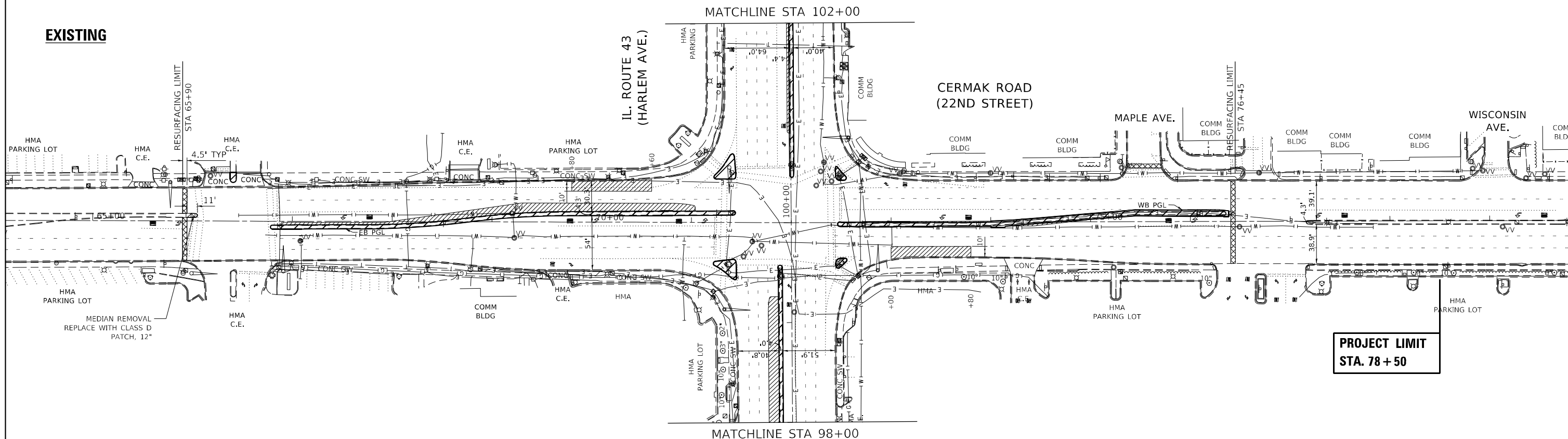
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

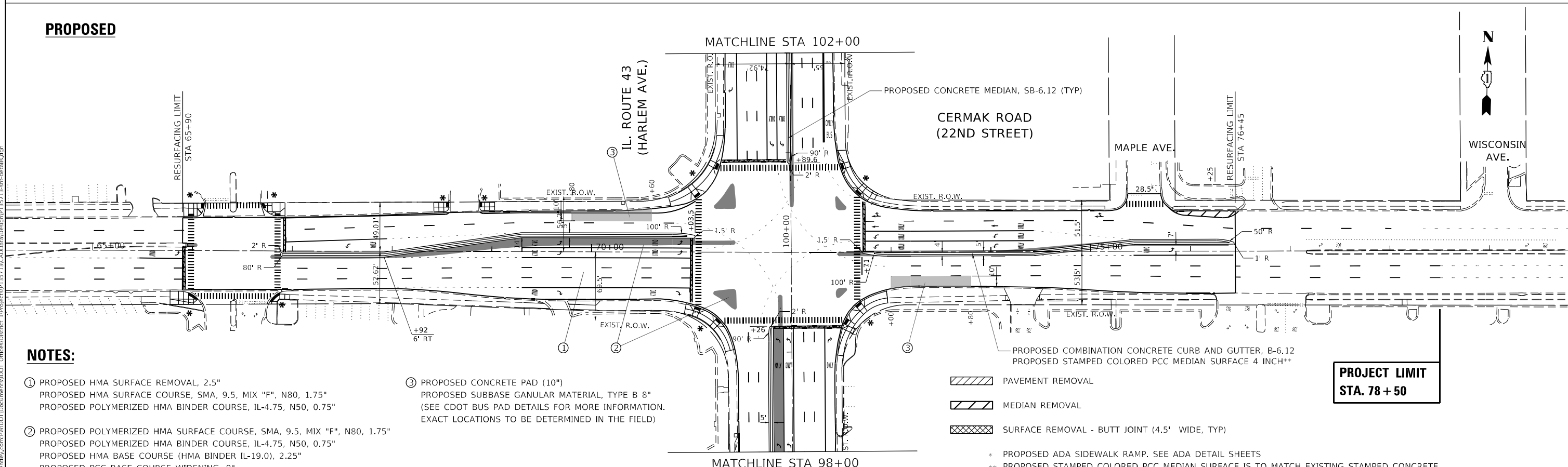
ALIGNMENT AND BENCHMARKS			
IL. ROUTE 43 AT CERMAK RD.			
SCALE: 1"=100'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	22
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

EXISTING



PROPOSED



NOTES:

- ① PROPOSED HMA SURFACE REMOVAL, 2.5"
 PROPOSED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 0.75"
- ② PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 0.75"
 PROPOSED HMA BASE COURSE (HMA BINDER IL-19.0), 2.25"
 PROPOSED PCC BASE COURSE WIDENING, 9"
 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ PROPOSED CONCRETE PAD (10")
 PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B 8"
 (SEE CDOT BUS PAD DETAILS FOR MORE INFORMATION.
 EXACT LOCATIONS TO BE DETERMINED IN THE FIELD)

- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SURFACE REMOVAL - BUTT JOINT (4.5' WIDE, TYP)
- * PROPOSED ADA SIDEWALK RAMP. SEE ADA DETAIL SHEETS
- ** PROPOSED STAMPED COLORED PCC MEDIAN SURFACE IS TO MATCH EXISTING STAMPED CONCRETE ON CERMAK ROAD MEDIANS TO THE EAST OF THE PROJECT IN SHAPE, PATTERN, AND COLOR. SEE SPECIAL PROVISIONS.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

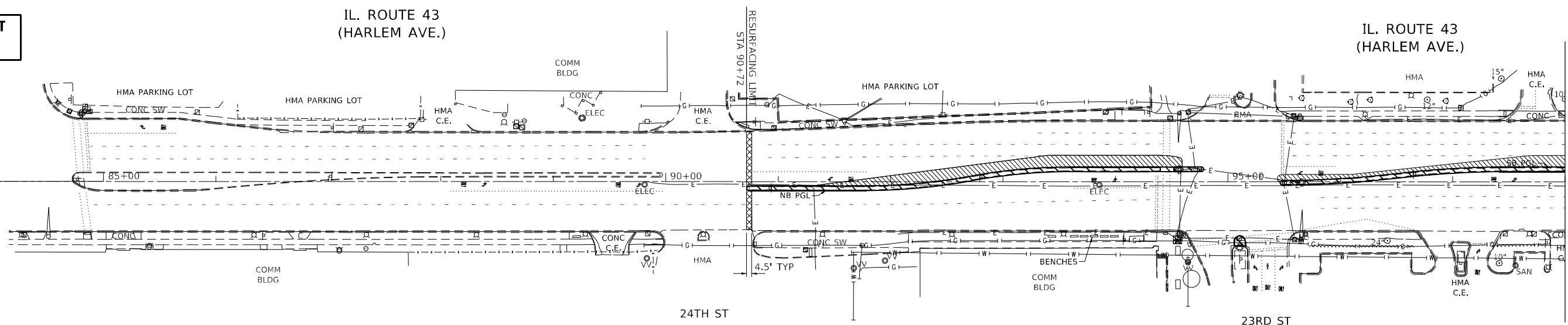
**ROADWAY PLAN
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 64+00 TO STA. 80+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	24
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

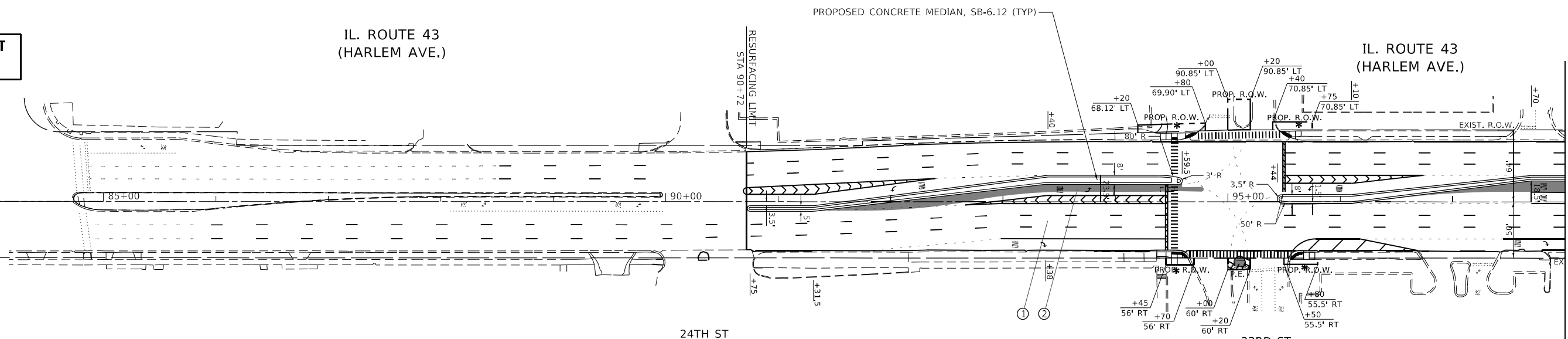
EXISTING

**PROJECT LIMIT
STA. 83+00**



PROPOSED

**PROJECT LIMIT
STA. 83+00**



NOTES:

- ① PROPOSED HMA SURFACE REMOVAL, 2.5"
PROPOSED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 0.75"
- ② PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 0.75"
PROPOSED HMA BASE COURSE (HMA BINDER IL-19.0), 2.25"
PROPOSED PCC BASE COURSE WIDENING, 9"
PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ PROPOSED CONCRETE PAD (10")
PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B 8"
(SEE CDOT BUS PAD DETAILS FOR MORE INFORMATION.
EXACT LOCATIONS TO BE DETERMINED IN THE FIELD)

- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SURFACE REMOVAL - BUTT JOINT (4.5' WIDE, TYP)
- * PROPOSED ADA SIDEWALK RAMP. SEE ADA DETAIL SHEETS
- ** PROPOSED STAMPED COLORED PCC MEDIAN SURFACE IS TO MATCH EXISTING STAMPED CONCRETE ON CERMAK ROAD MEDIANS TO THE EAST OF THE PROJECT IN SHAPE, PATTERN, AND COLOR. SEE SPECIAL PROVISIONS.

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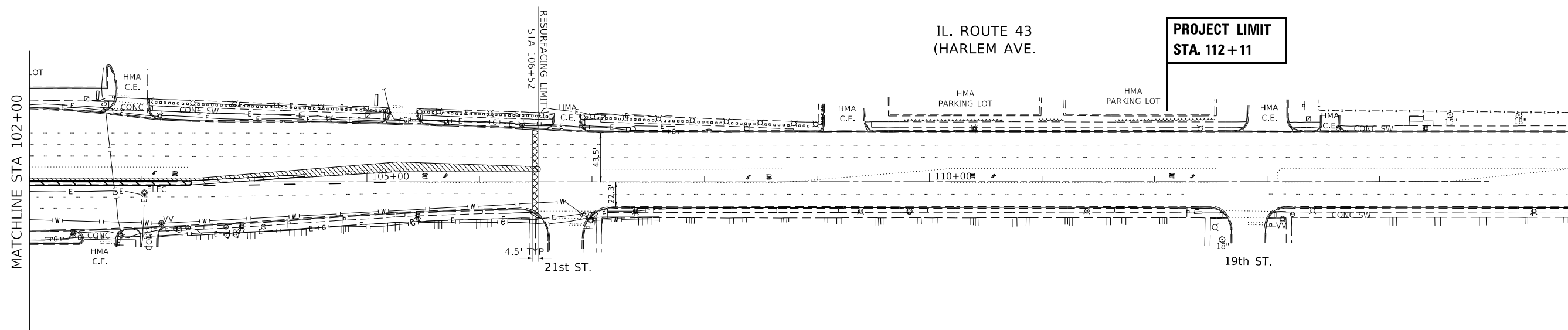
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

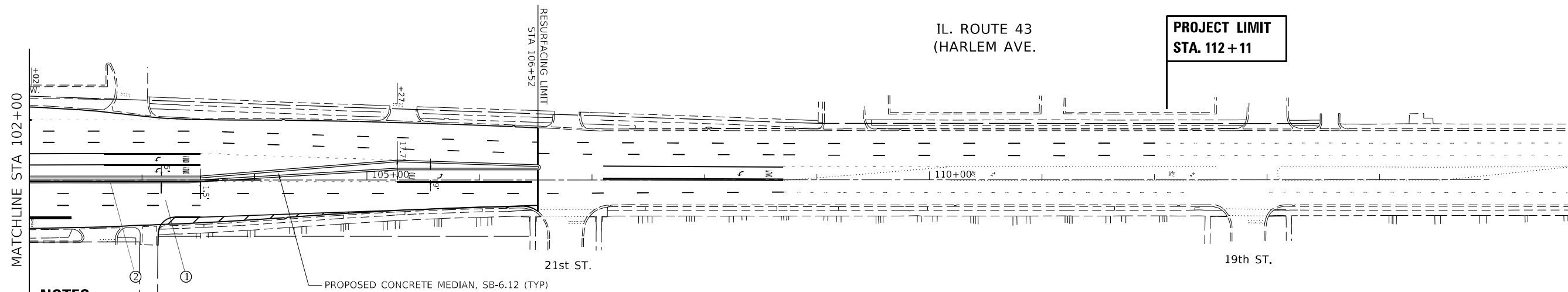
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	25
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

EXISTING



PROPOSED



NOTES:

- ① PROPOSED HMA SURFACE REMOVAL, 2.5"
 PROPOSED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 0.75"
- ② PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1.75"
 PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 0.75"
 PROPOSED HMA BASE COURSE (HMA BINDER IL-19.0), 2.25"
 PROPOSED PCC BASE COURSE WIDENING, 9"
 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ PROPOSED CONCRETE PAD (10")
 PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B 8"
 (SEE CDOT BUS PAD DETAILS FOR MORE INFORMATION.
 EXACT LOCATIONS TO BE DETERMINED IN THE FIELD)

- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SURFACE REMOVAL - BUTT JOINT (4.5' WIDE, TYP)

- * PROPOSED ADA SIDEWALK RAMP. SEE ADA DETAIL SHEETS
- ** PROPOSED STAMPED COLORED PCC MEDIAN SURFACE IS TO MATCH EXISTING STAMPED CONCRETE ON CERMAK ROAD MEDIANS TO THE EAST OF THE PROJECT IN SHAPE, PATTERN, AND COLOR. SEE SPECIAL PROVISIONS.

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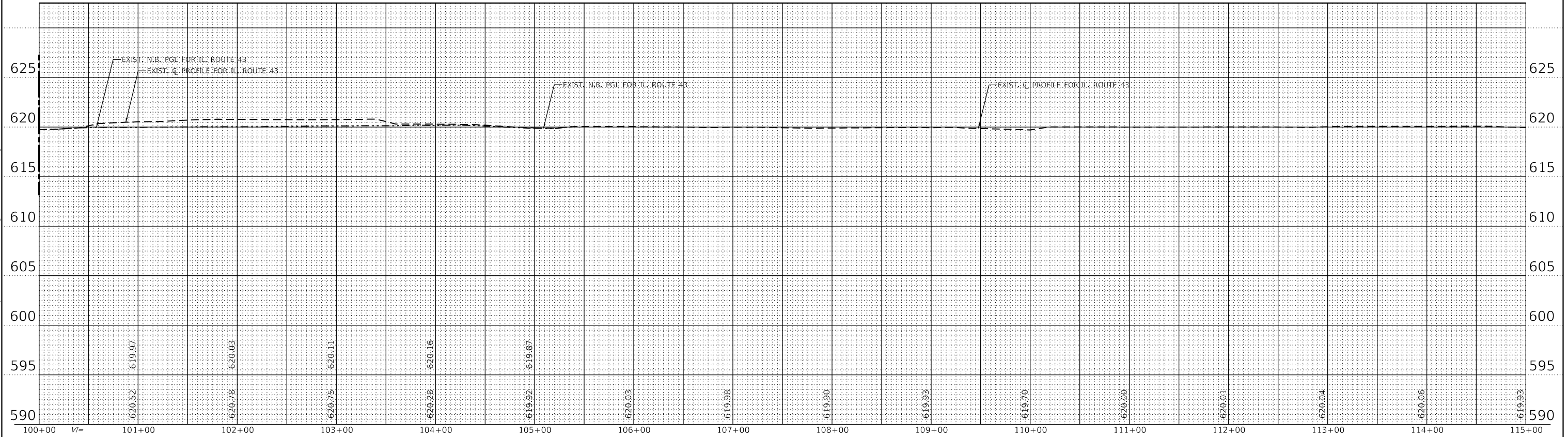
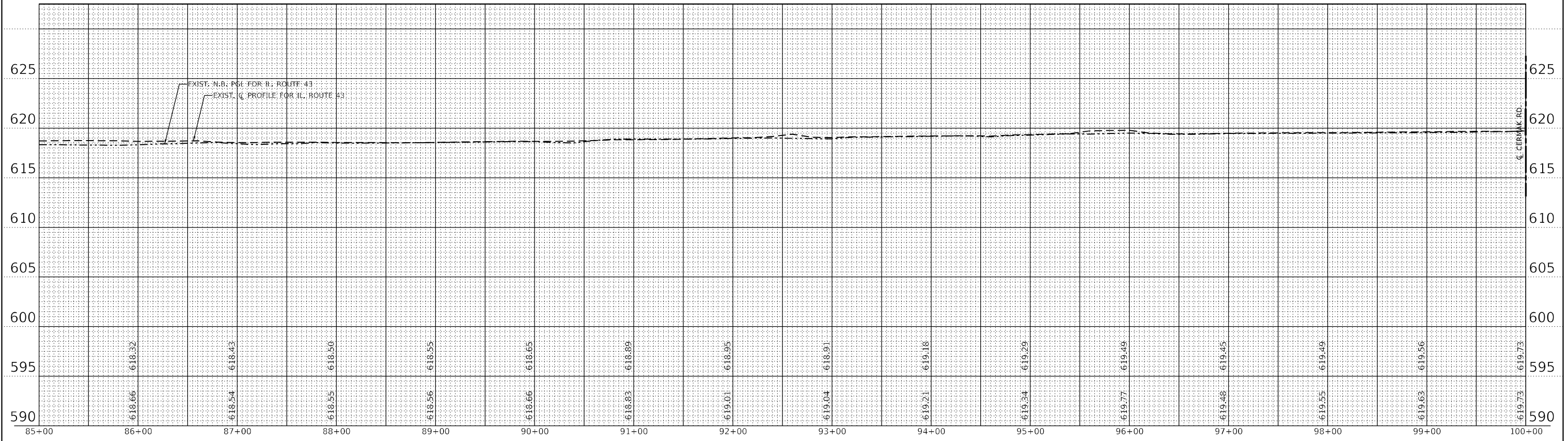
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	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)			
SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. 102+00 TO STA. 115+00

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 26
			CONTRACT NO. 62J47	
ILLINOIS FED. AID PROJECT				

IL ROUTE 43



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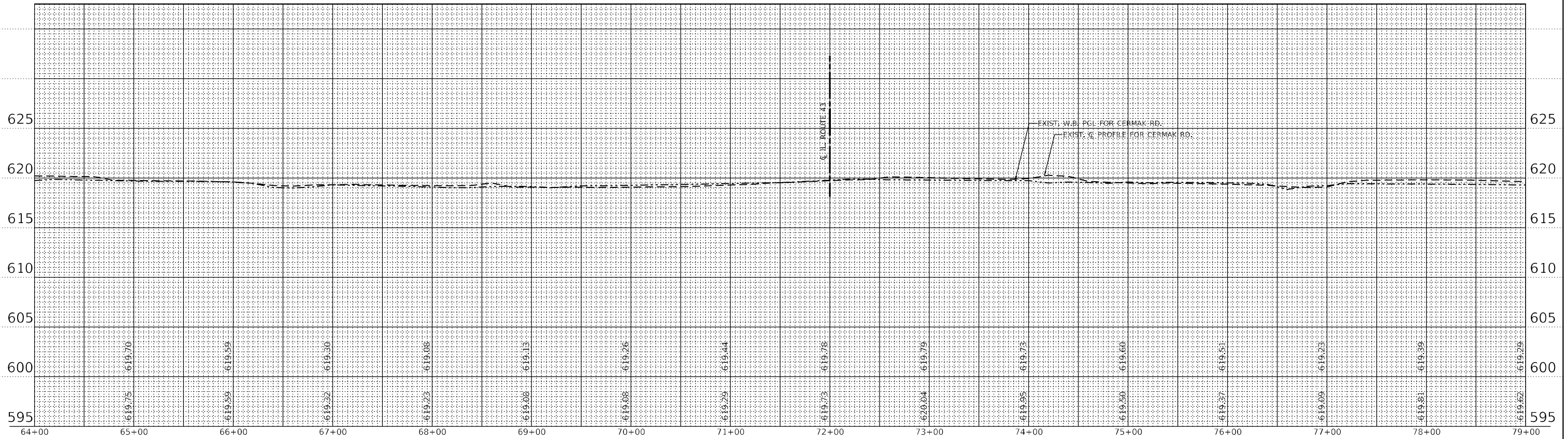
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: - SHEET 1 OF 2 SHEETS STA. 85+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	27
CONTRACT NO. 62J47				
ILLINOIS		FED. AID PROJECT		

CERMAK ROAD



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	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: - SHEET 2 OF 2 SHEETS STA. 64+00 TO STA. 80+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	28
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

SUGGESTED SEQUENCE OF CONSTRUCTION

STAGE 1A

REMOVE ALL CONFLICTING PAVEMENT MARKINGS IN PROJECT LIMITS. ESTABLISH TRAFFIC CONTROL TO ALLOW FOR MEDIAN REMOVAL WORK. REMOVE MEDIANS. CONSTRUCT TEMPORARY PAVEMENT. RELOCATE LIGHT POLES ON EAST LEG OF CERMAK ROAD. USE STANDARDS 701601 AND 701701 TO REMOVE MEDIANS DURING PEAK HOURS AS DEFINED IN THE KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC SPECIAL PROVISION.

STAGE 1B

ESTABLISH TRAFFIC CONTROL TO ALLOW FOR WORK ON CORNER ISLANDS OF IL 43 AND CERMAK ROAD. REMOVE CORNER ISLANDS.

STAGE 2

ESTABLISH TRAFFIC CONTROL TO ALLOW FOR CONSTRUCTION OF PROPOSED CONCRETE MEDIANS AND PROPOSED PAVEMENT WIDENING. REMOVE TEMPORARY MEDIAN. CONSTRUCT CONCRETE MEDIANS AND PAVEMENT WIDENINGS

STAGE 3

ESTABLISH TRAFFIC CONTROL FOR ALL DEMOLITION, CURB RAMP IMPROVEMENTS, DRAINAGE IMPROVEMENTS, AND ASPHALT RESURFACING OPERATIONS. MAXIMUM OF ONE 12' LANE IS TO BE PAVED AT ANY TIME. ALL LANES ARE TO BE REOPENED AND ALL CONSTRUCTION EQUIPMENT IS TO BE REMOVED FROM THE ROADWAY AT THE COMPLETION OF EACH DAY'S WORK. WORK TO BE COMPLETED WITH USE OF DAILY LANE CLOSURES AND TYPICAL IDOT HIGHWAY STANDARDS AND DETAILS, INCLUDING STANDARDS 701101, 701427, 701601, 701602, 701701, 701801.

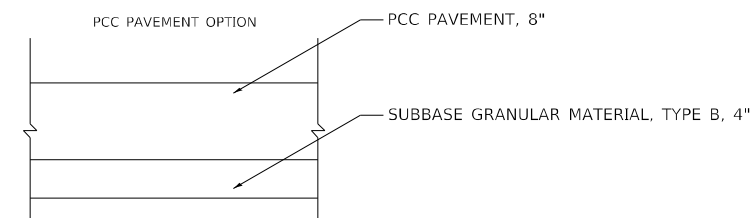
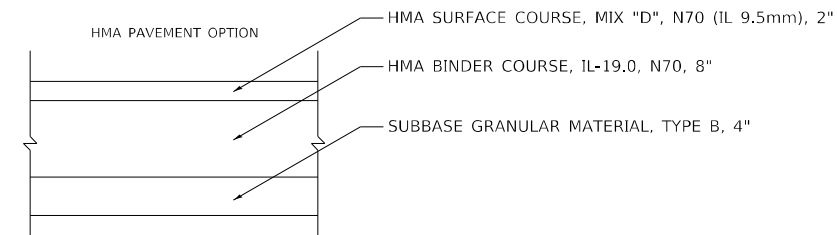
NOTE:

LANE CLOSURES SHOWN APPLY TO PEAK-HOUR CONDITIONS. ADDITIONAL LANE CLOSURES WILL ONLY BE ALLOWED AS SPECIFIED IN THE "KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC" SPECIAL PROVISION.

EXISTING PAVEMENT MARKINGS OUTSIDE OF RESURFACING LIMITS THAT ARE IN CONFLICT WITH STAGING PAVEMENT MARKINGS ARE TO BE REMOVED USING PAVEMENT MARKING REMOVAL - WATER BLASTING.

THE CONTRACTOR IS TO SET UP "NO PARKING SIGNS" WITHIN PROJECT LIMITS.

TEMPORARY PAVEMENT DETAILS



MODEL Default
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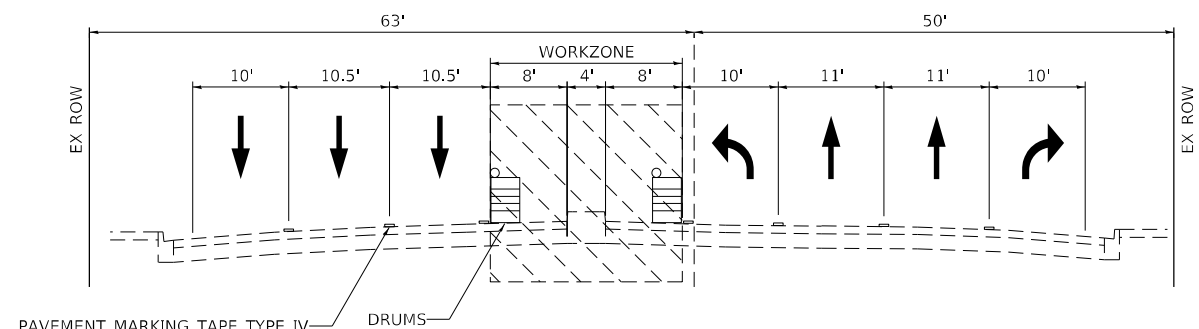
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	DRAWN - RR	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

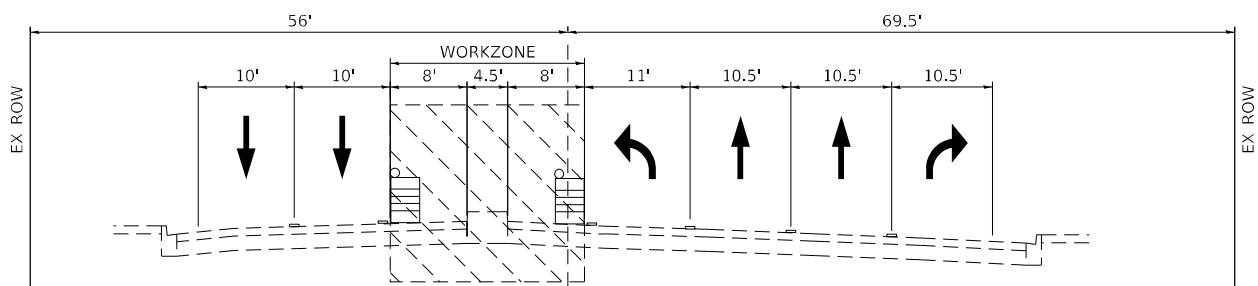
**SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

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

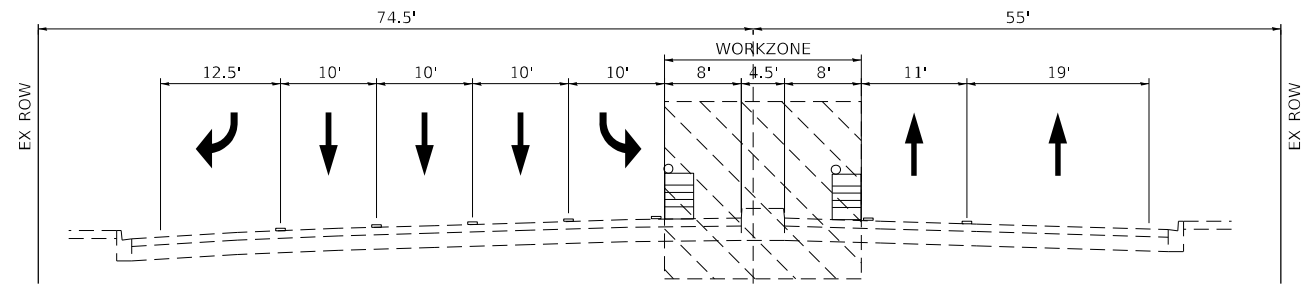
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	29
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	



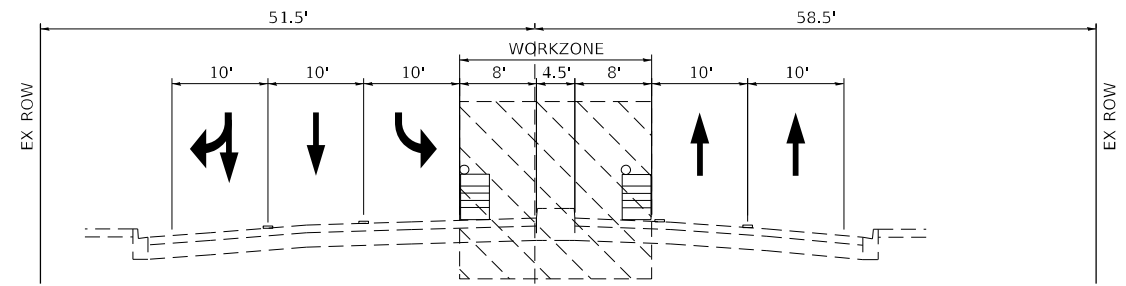
IL RTE 43
STAGE 1A TYPICAL SECTION
97+70 TO 100+00



CERMAK RD
STAGE 1A TYPICAL SECTION
65+90 TO 72+00



IL RTE 43
STAGE 1A TYPICAL SECTION
100+00 TO 103+00



CERMAK RD
STAGE 1A TYPICAL SECTION
72+00 TO 76+45

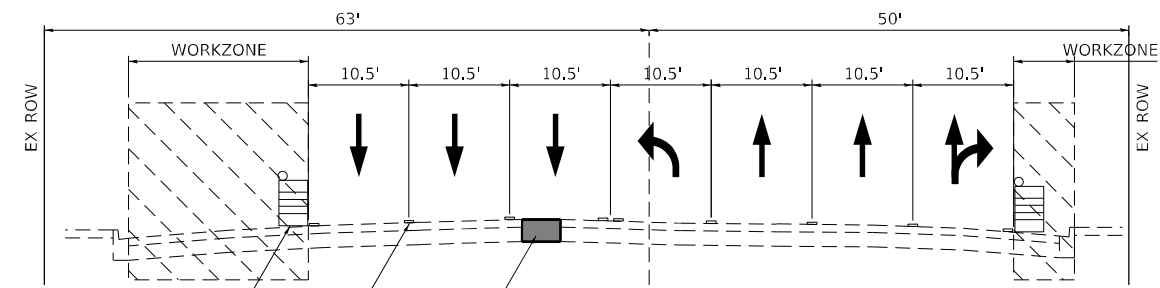
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DRAWN - RR	REVISIONS -	
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PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

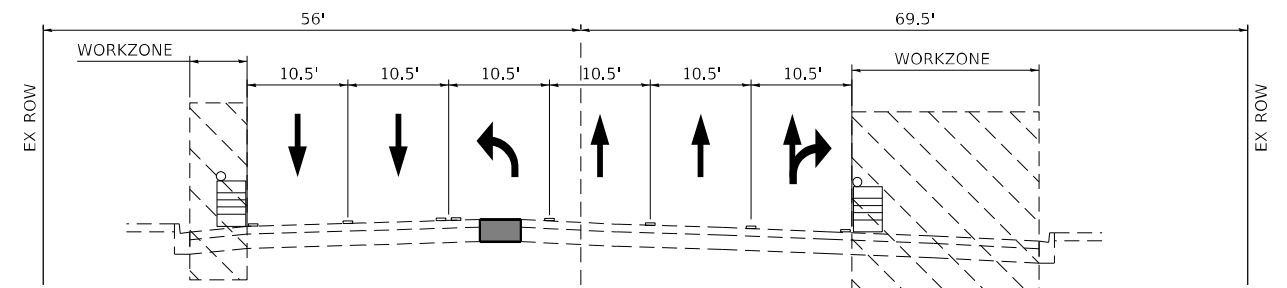
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)
SCALE: 1"=50' SHEET 2 OF 10 SHEETS STA. - TO STA. -

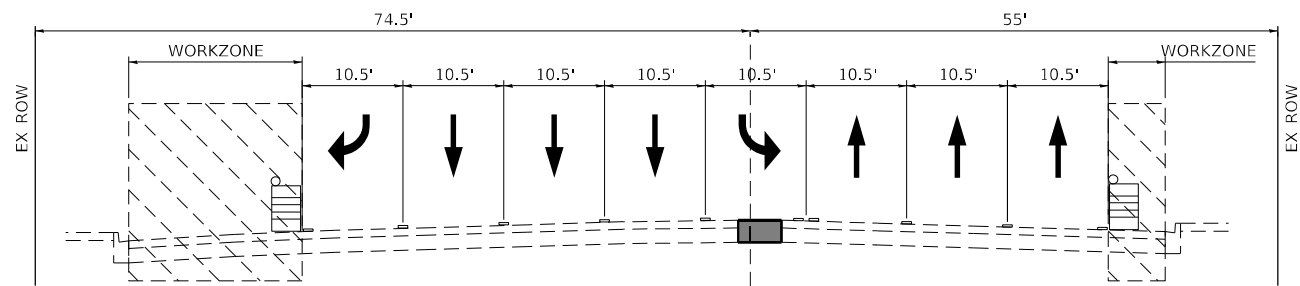
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CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				



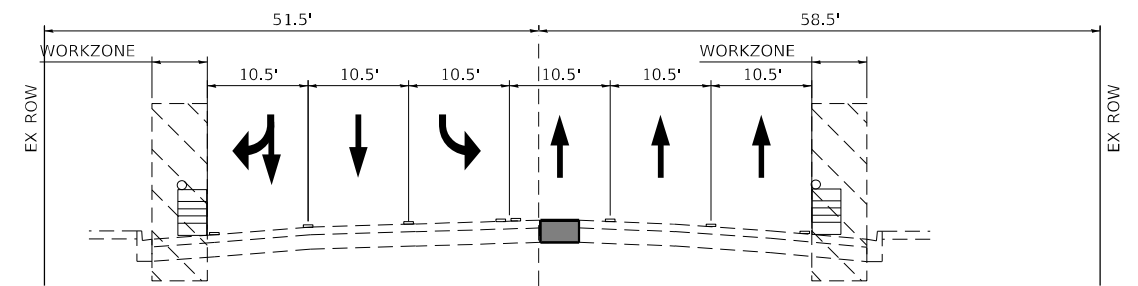
IL RTE 43
STAGE 1B TYPICAL SECTION
97+70 TO 100+00



CERMAK RD
STAGE 1B TYPICAL SECTION
65+90 TO 72+00



IL RTE 43
STAGE 1B TYPICAL SECTION
100+00 TO 103+00



CERMAK RD
STAGE 1B TYPICAL SECTION
72+00 TO 76+45

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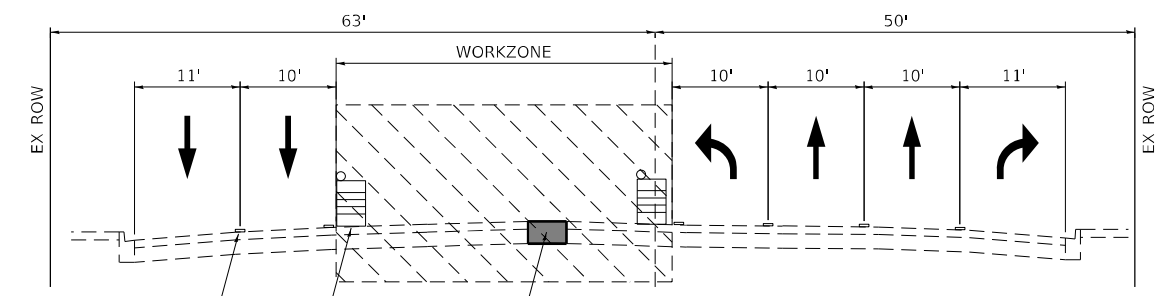
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DRAWN - RR	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

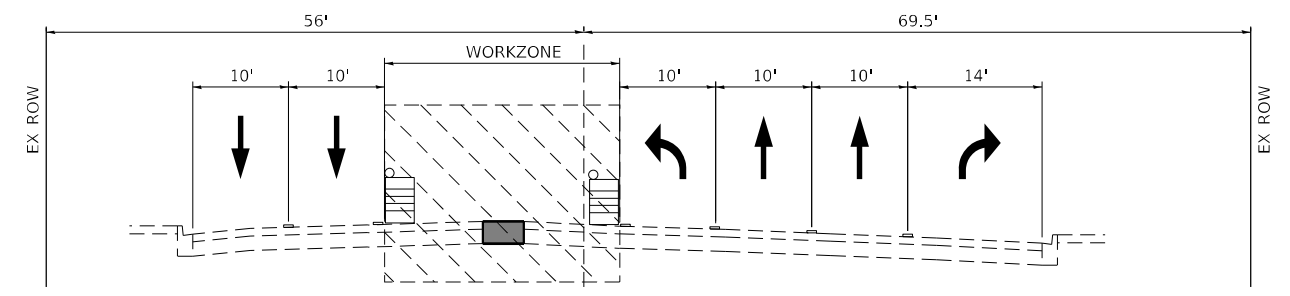
**SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: 1"=50' SHEET 3 OF 10 SHEETS STA. - TO STA. -

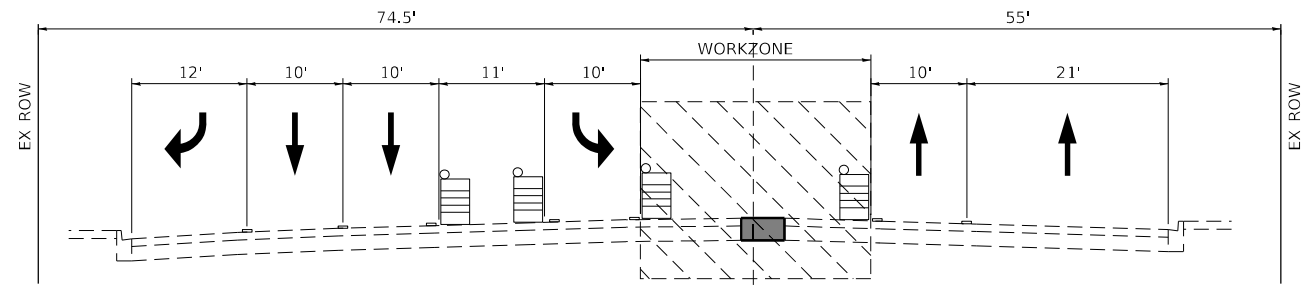
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CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				



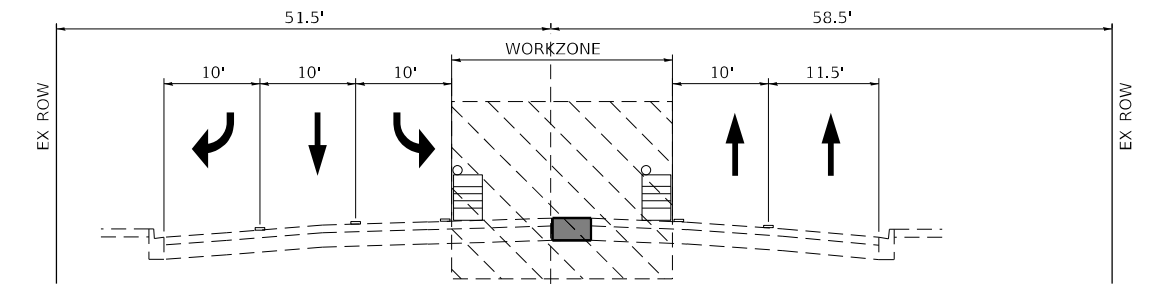
IL RTE 43
STAGE 2 TYPICAL SECTION
97+70 TO 100+00



CERMAK RD
STAGE 2 TYPICAL SECTION
65+90 TO 72+00



IL RTE 43
STAGE 2 TYPICAL SECTION
100+00 TO 103+00



CERMAK RD
STAGE 2 TYPICAL SECTION
72+00 TO 76+45

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DRAWN - RR	REVISIONS -	
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)			
SCALE: 1"=50'	SHEET 4	OF 10 SHEETS	STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	32
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

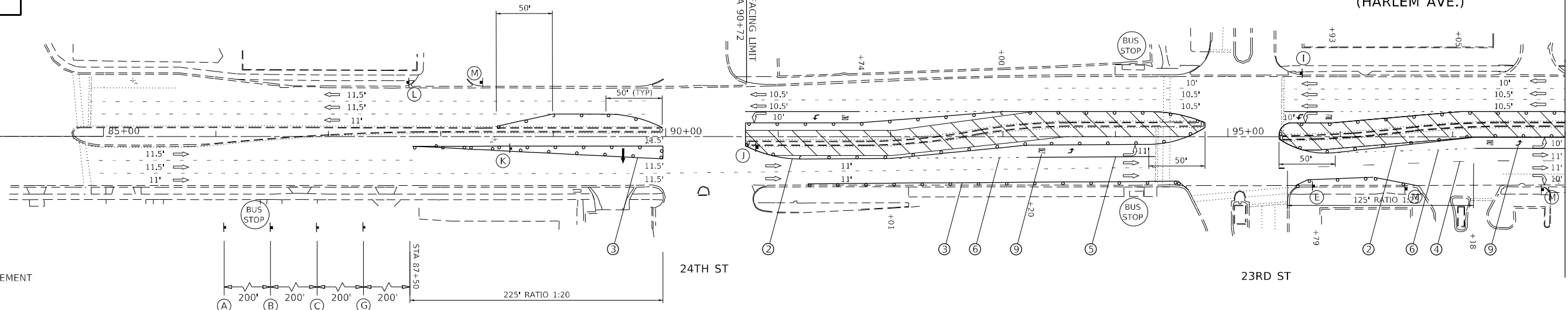


**PROJECT LIMIT
STA. 83+00**

**IL. ROUTE 43
(HARLEM AVE.)**

**IL. ROUTE 43
(HARLEM AVE.)**

MATCHLINE STA 98+00

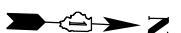


LEGEND

- TEMPORARY PAVEMENT
- WORK AREA
- SIGNS
- TYPE III BARRICADES
- DRUMS OR BARRICADES SPACING (TYP):
50' C-C TANGENTS
20' C-C TAPERS
10' C-C RADII
- ARROW BOARD
- TRAFFIC FLOW DIRECTION

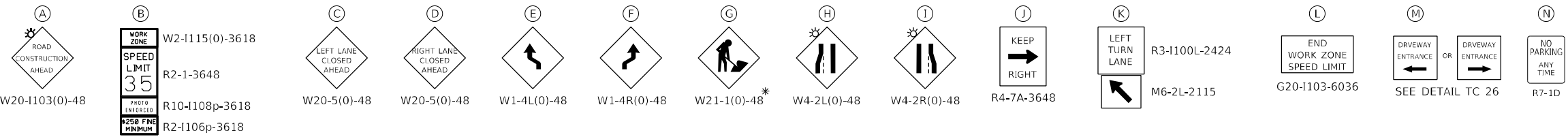
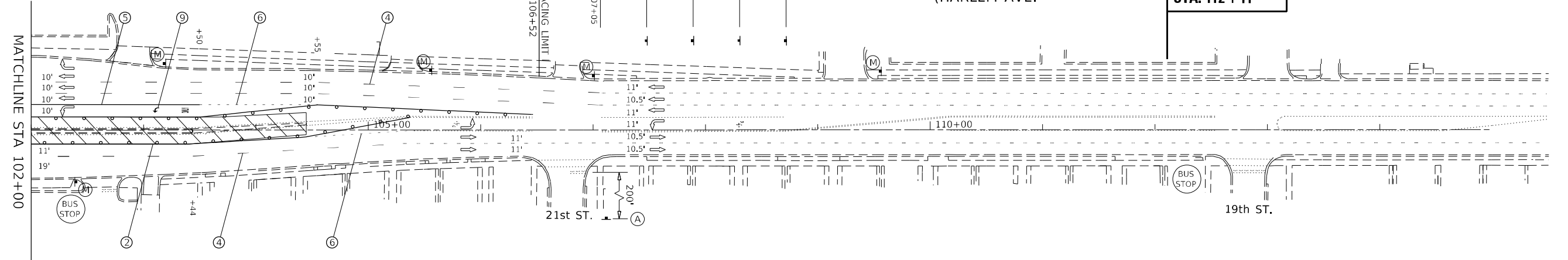
WORKZONE PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
- ② PAVEMENT MARKING TAPE, TYPE IV, YELLOW, 4" SOLID
- ③ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
- ④ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 8" SOLID
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS



**PROJECT LIMIT
STA. 112+11**

**IL. ROUTE 43
(HARLEM AVE.)**



* SIGN TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR 1 HOUR OR MORE

USER NAME = rostkawskir	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC: STAGE 1A
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: 1"=50' SHEET 6 OF 10 SHEETS STA. 85+00 TO STA. 115+00

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 34
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	

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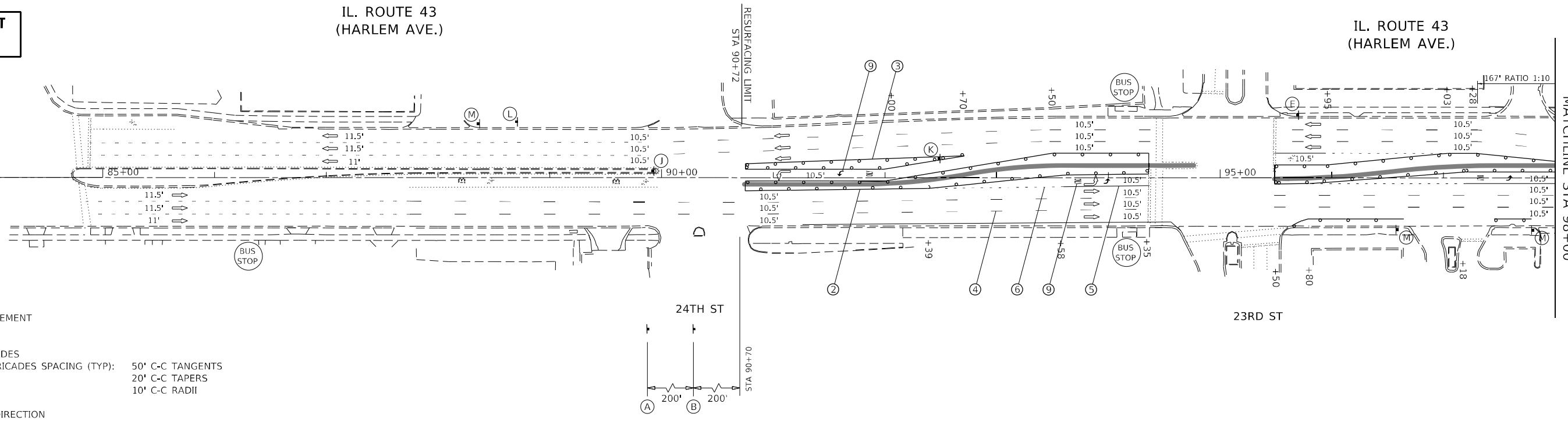


**PROJECT LIMIT
STA. 83+00**

IL. ROUTE 43
(HARLEM AVE.)

IL. ROUTE 43
(HARLEM AVE.)

MATCHLINE STA 98+00

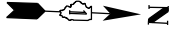


LEGEND

- TEMPORARY PAVEMENT
- WORK AREA
- SIGNS
- TYPE III BARRICADES
- DRUMS OR BARRICADES SPACING (TYP):
50' C-C TANGENTS
20' C-C TAPERS
10' C-C RADII
- ARROW BOARD
- TRAFFIC FLOW DIRECTION

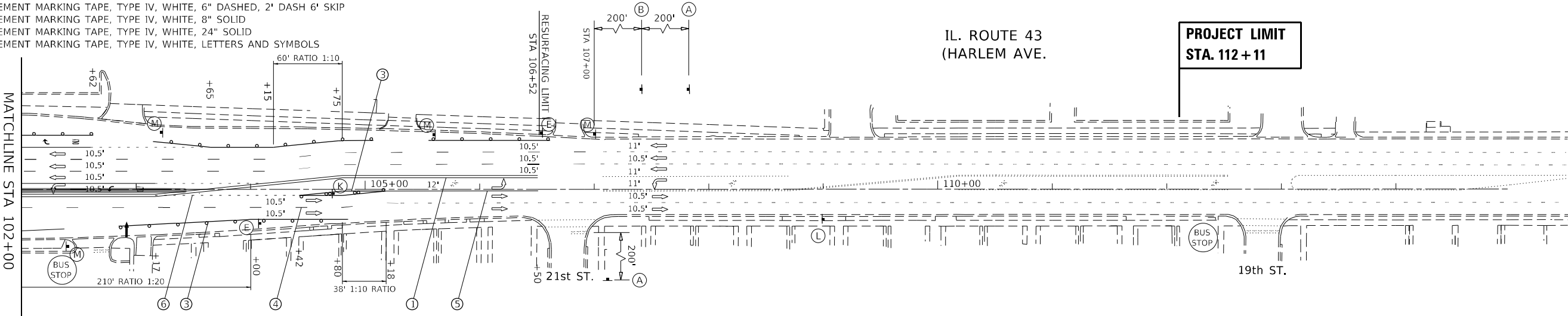
WORKZONE PAVEMENT MARKING LEGEND

- ① PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
- ② PAVEMENT MARKING TAPE, TYPE IV, YELLOW, 4" SOLID
- ③ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
- ④ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 8" SOLID
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS



**PROJECT LIMIT
STA. 112+11**

IL. ROUTE 43
(HARLEM AVE.)



W20-1103(0)-48	W2-1115(0)-3618 R2-1-3648 R10-1108p-3618 R2-1106p-3618	W20-5(0)-48	W20-5(0)-48	W1-4L(0)-48	W1-4R(0)-48	W21-1(0)-48*	W4-2L(0)-48	W4-2R(0)-48	R4-7A-3648	R3-1100L-2424 M6-2L-2115	G20-1103-6036	SEE DETAIL TC 26	R7-1D

* SIGN TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR 1 HOUR OR MORE

USER NAME = rostkowskif	DESIGNED - RR	REVISED -
DRAWN - RR	REVISED -	
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PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

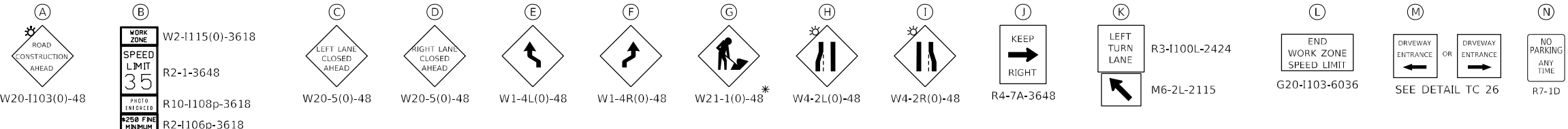
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC: STAGE 1B
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 36
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	

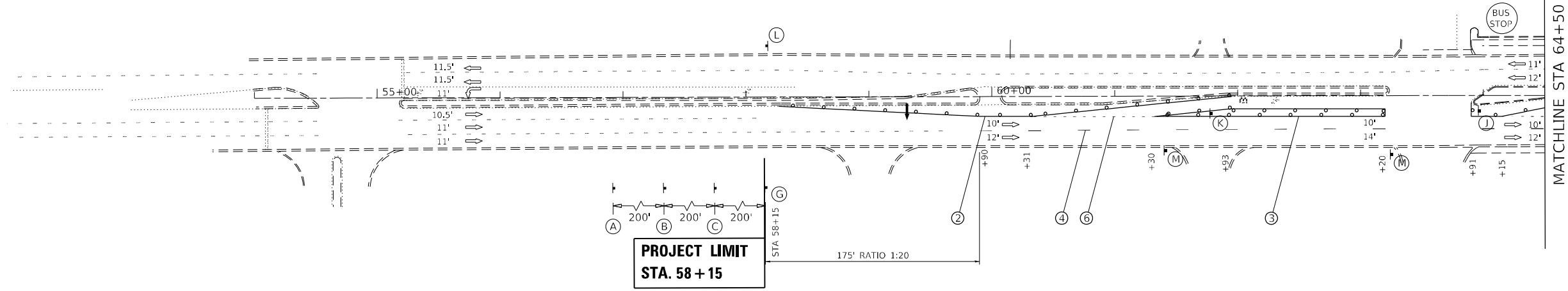
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SCALE: 1"=50' SHEET 8 OF 10 SHEETS STA. 85+00 TO STA. 115+00



* SIGN TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR 1 HOUR OR MORE

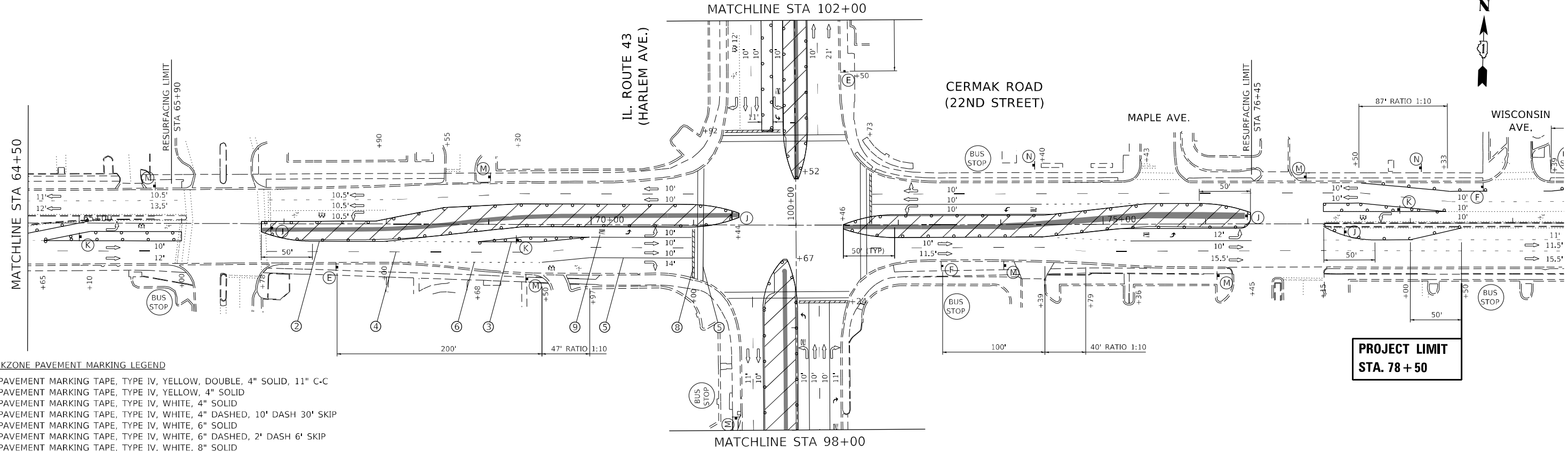
CERMAK ROAD
(22ND STREET)



LEGEND

- TEMPORARY PAVEMENT
- WORK AREA
- SIGNS
- TYPE III BARRICADES
- DRUMS OR BARRICADES SPACING (TYP): 50' C-C TANGENTS, 20' C-C TAPERS, 10' C-C RADII
- ARROW BOARD
- TRAFFIC FLOW DIRECTION

MODEL: Default; FILE NAME: p:\project\11001\11001.dwg; PROJECT: 11001; DRAWN: RR; CHECKED: LP; DATE: 4/22/2022



- WORKZONE PAVEMENT MARKING LEGEND**
- 1 PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
 - 2 PAVEMENT MARKING TAPE, TYPE IV, YELLOW, 4" SOLID
 - 3 PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
 - 4 PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
 - 5 PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
 - 6 PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
 - 7 PAVEMENT MARKING TAPE, TYPE IV, WHITE, 8" SOLID
 - 8 PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
 - 9 PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS

USER NAME = rostkawskir	DESIGNED - RR	REVISED -
DRAWN - RR	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC: STAGE 2
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: 1"=50' SHEET 9 OF 10 SHEETS STA. 54+00 TO STA. 79+00

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 37
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

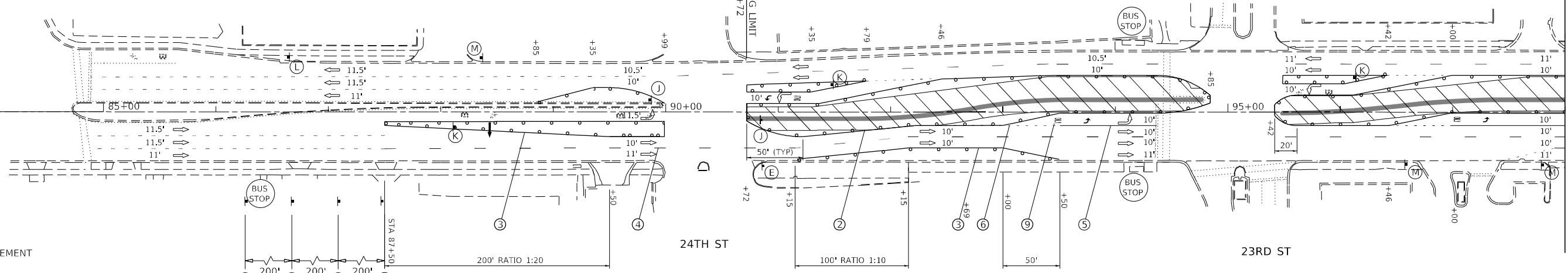


PROJECT LIMIT
STA. 83+00

IL. ROUTE 43
(HARLEM AVE.)

IL. ROUTE 43
(HARLEM AVE.)

MATCHLINE STA 98+00

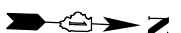


LEGEND

- TEMPORARY PAVEMENT
- WORK AREA
- SIGNS
- TYPE III BARRICADES
- DRUMS OR BARRICADES SPACING (TYP):
50' C-C TANGENTS
20' C-C TAPERS
10' C-C RADII
- ARROW BOARD
- TRAFFIC FLOW DIRECTION

WORKZONE PAVEMENT MARKING LEGEND

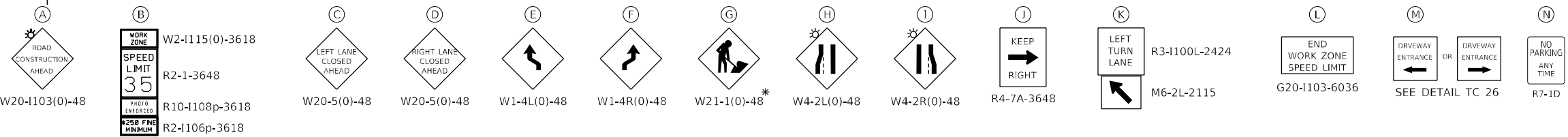
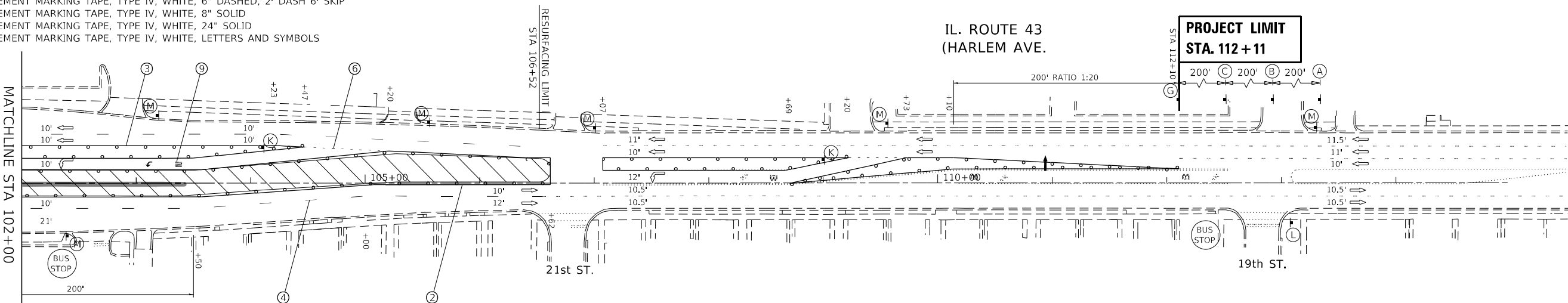
- ① PAVEMENT MARKING TAPE, TYPE IV, YELLOW, DOUBLE, 4" SOLID, 11" C-C
- ② PAVEMENT MARKING TAPE, TYPE IV, YELLOW, 4" SOLID
- ③ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" SOLID
- ④ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 4" DASHED, 10' DASH 30' SKIP
- ⑤ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" SOLID
- ⑥ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 6" DASHED, 2' DASH 6' SKIP
- ⑦ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 8" SOLID
- ⑧ PAVEMENT MARKING TAPE, TYPE IV, WHITE, 24" SOLID
- ⑨ PAVEMENT MARKING TAPE, TYPE IV, WHITE, LETTERS AND SYMBOLS



PROJECT LIMIT
STA. 112+11

IL. ROUTE 43
(HARLEM AVE.)

MATCHLINE STA 102+00



* SIGN TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR 1 HOUR OR MORE

USER NAME = rostkawskir	DESIGNED - RR	REVISED -
DRAWN - RR	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC: STAGE 2
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	38
CONTRACT NO. 62J47				

SCALE: 1"=50' SHEET 10 OF 10 SHEETS STA. 85+00 TO STA. 115+00

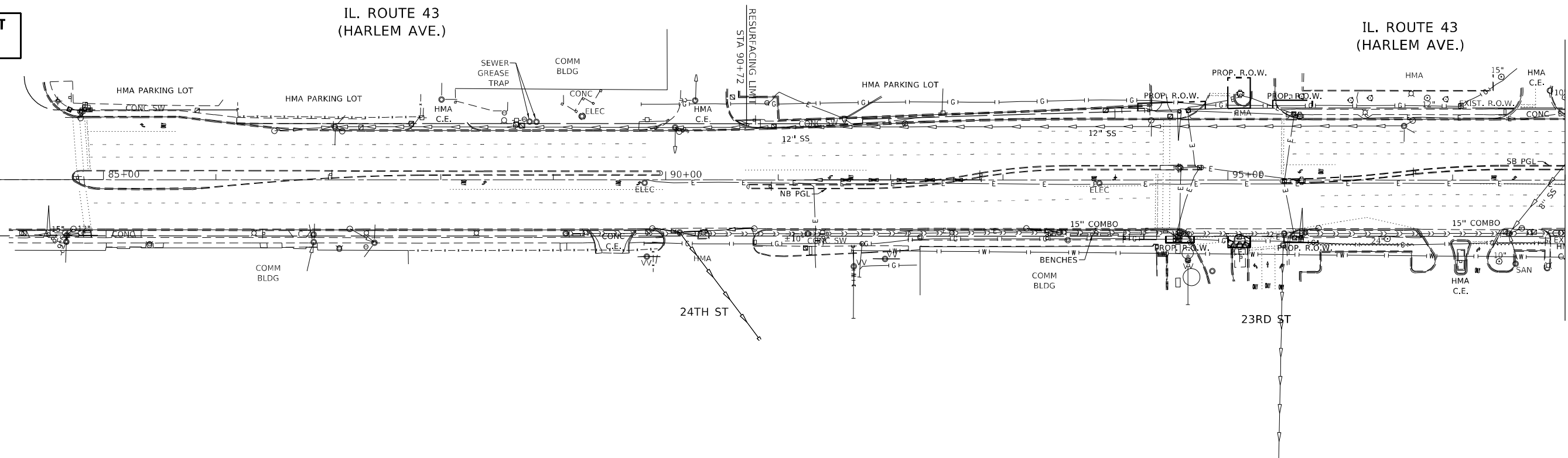
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EXISTING

**PROJECT LIMIT
STA. 83+00**

IL. ROUTE 43
(HARLEM AVE.)

IL. ROUTE 43
(HARLEM AVE.)

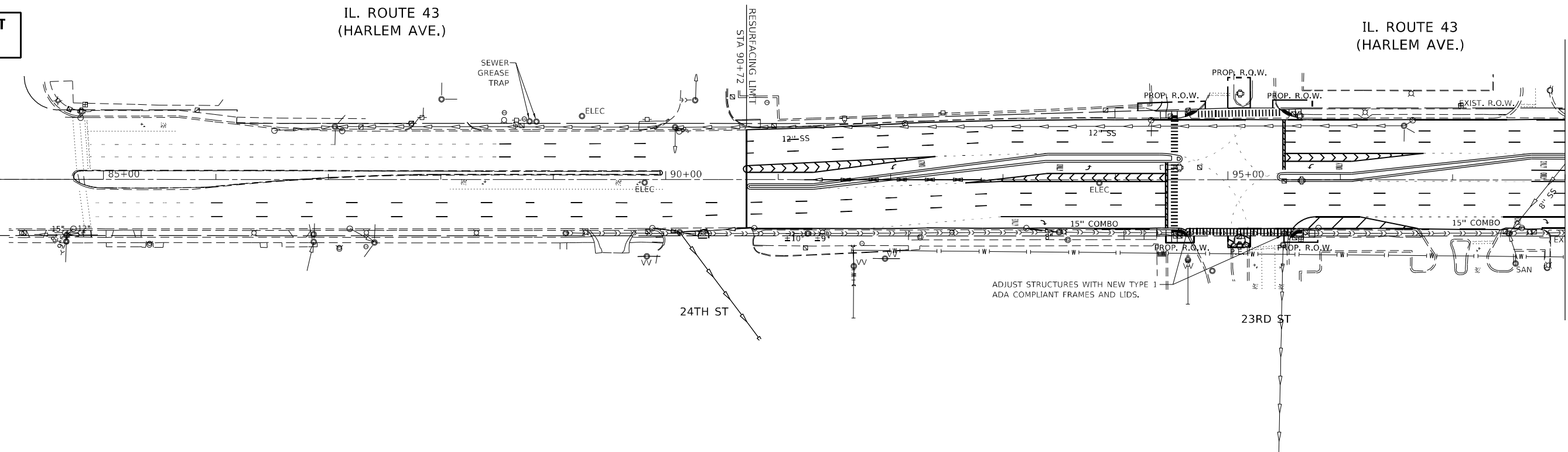


PROPOSED

**PROJECT LIMIT
STA. 83+00**

IL. ROUTE 43
(HARLEM AVE.)

IL. ROUTE 43
(HARLEM AVE.)



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USER NAME = rostkowski	DESIGNED - RR	REVISED -
DRAWN - RR	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)
 SCALE: 1"=50' SHEET 2 OF 4 SHEETS STA. 85+00 TO STA. 98+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	40
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

STRUCTURE SCHEDULE								
ID	STATION	OFFSET	LID ELEVATION	INVERT				PAY ITEM
				N	S	W	E	
1A	69+43.14	48.26	617.72			612.61		CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID
1B	69+13.10	45.71	617.63	612.49			612.49	EX STRUCTURE
2A	98+60.54	42.82	618.80				611.80	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID
2B	98+44.80	46.89	619.38	609.24	609.64	611.75	610.46	EX STRUCTURE

PIPE SCHEDULE								
ID	PAY ITEM	LENGTH	START STRUCTURE	START INVERT	END STRUCTURE	END INVERT	SLOPE	TRENCH BACKFILL
		(FT)						(CUYD)
1A1B	STORM SEWERS, CLASS A, TYPE 2 12"	26.57	1A	612.61	1B	612.49	0.44%	21.32
2A2B	STORM SEWERS, CLASS A, TYPE 2 12"	12.59	2A	611.80	2B	611.75	0.44%	11.08

NOTE: EXISTING INVERTS TO BE VERIFIED IN FIELD

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	DRAWN - RR	REVISED -
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PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULE
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

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

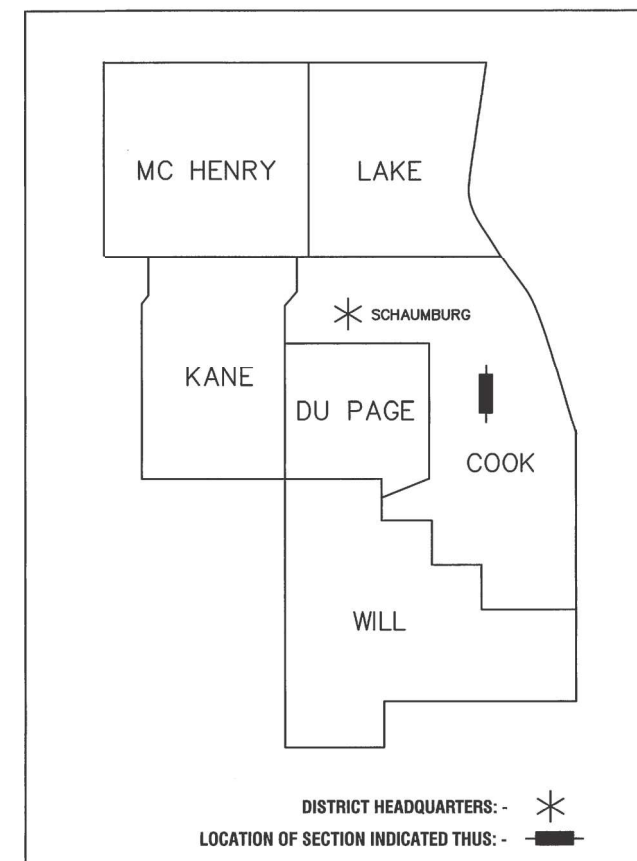
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	42
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

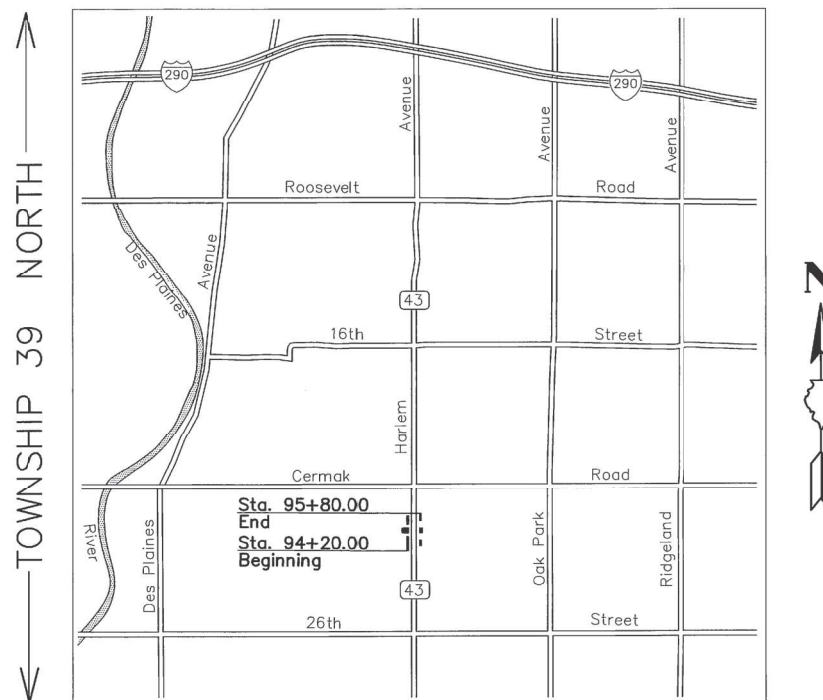
ROUTE: IL ROUTE 43
SECTION:
COUNTY: COOK
LIMITS: AT CERMAK ROAD

JOB NO. R-90-014-17

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	3	1
F.H.W.A. REQ.	ILLINOIS	PROJECT	R-90-014-17	



← R. 12 E. R. 13 E. →



LOCATION MAP

Not to Scale

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OMN0001-A	Chicago Title Land Trust Company as successor to LaSalle National Trust N.A., as successor to Exchange National Bank as Trustee under Trust Agreement dated November 18, 1980 known as trust No. 37743 now known as Trust No. 10-37743-09	2	
OMN0001-B		3	
OMN0001-C			
OMN0002-A	Cermak Plaza Associates, LLC, a Delaware limited liability company successor to Cermak Plaza Associates, a New York Partnership	2	
OMN0002-B		3	
OMN0002PE			

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OF THE STATE OF ILLINOIS**



ASM Consultants, Inc.
16 E Wilson St, Batavia IL 60510
Tel (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014 expires 4/30/2021

ASM PROJECT NO. 777-018

APPROVED
By William Wright at 1:47 pm, Apr 20, 2020

PARTS OF NE 1/4 OF SECTION 25, TWP. 39 N. R. 12 E. AND NW 1/4 OF SECTION 30, TWP. 39 N., R. 13 E., OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OMN0001-A OMN0001-B OMN0001-C	24.899	0.009 (411.2 Sq. Ft.) 0.012 0.006 (239.8 Sq. Ft.)		24.782			15-25-201-002
OMN0002-A OMN0002-B OMN0002PE	28.951	0.003 (150.0 Sq. Ft.) 0.004 (165.0 Sq. Ft.)		28.944	0.005	200.0	16-30-100-012 16-30-100-016 16-30-100-018 16-30-100-019 16-30-100-020 16-30-100-021

STA. 100+12.32 IL ROUTE 43
STA. 72+00.00 CERMAK ROAD
NORTHWEST CORNER OF SECTION 30-T39N-R12E
SET PER MONUMENT RECORD
DOC. No. N. 1888519.992
E. 1128537.258
P.O.C. OF PARCELS: OMN0001-A, OMN0001-B AND OMN0001-C.

STA. 100+12.48 IL ROUTE 43
STA. 72+00.00 CERMAK ROAD
NORTHWEST CORNER OF SECTION 30-T39N-R12E
SET PER MONUMENT RECORD
DOC. No. N. 1888520.148
E. 1128557.252
P.O.C. OF PARCELS: OMN0002-A, OMN0002-B, AND OMN0002PE.

LEGEND

SECTION CORNER 19 20
QUARTER SECTION CORNER 19 20

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

129.32'
129.32' (COMP)
129.32'

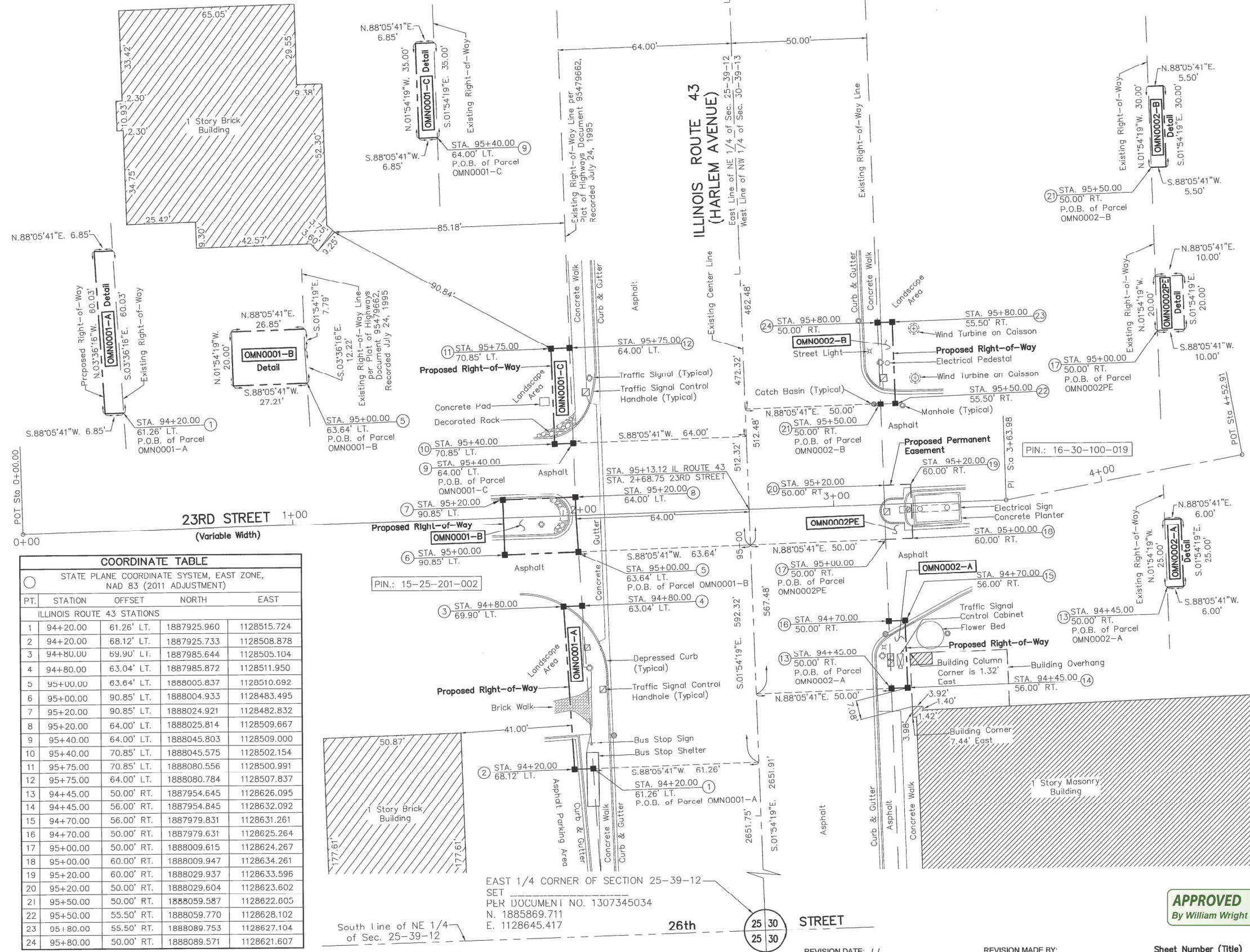
0 20 40
SCALE: 1" = 20'

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99997441. AREAS SHOWN ON THIS PLAT ARE GROUND. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

○ IRON PIPE OR ROD FOUND
+ CUT CROSS FOUND OR SET
⊕ "MAG" OR "PK" NAIL SET OR FOUND
● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101-02 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF KANE) SS



COORDINATE TABLE

STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011 ADJUSTMENT)

PT.	STATION	OFFSET	NORTH	EAST
ILLINOIS ROUTE 43 STATIONS				
1	94+20.00	61.26' LT.	1887925.960	1128515.724
2	94+20.00	68.12' LT.	1887925.733	1128508.878
3	94+80.00	69.90' LT.	1887985.644	1128505.104
4	94+80.00	63.04' LT.	1887985.872	1128511.950
5	95+00.00	63.64' LT.	1888005.837	1128510.692
6	95+00.00	90.85' LT.	1888004.933	1128483.495
7	95+20.00	90.85' LT.	1888024.921	1128482.832
8	95+20.00	64.00' LT.	1888025.814	1128509.667
9	95+40.00	64.00' LT.	1888045.803	1128509.000
10	95+40.00	70.85' LT.	1888045.575	1128502.154
11	95+75.00	70.85' LT.	1888080.556	1128500.991
12	95+75.00	64.00' LT.	1888080.784	1128507.837
13	94+45.00	50.00' RT.	1887954.645	1128626.095
14	94+45.00	56.00' RT.	1887954.845	1128632.092
15	94+70.00	56.00' RT.	1887979.831	1128631.261
16	94+70.00	50.00' RT.	1887979.631	1128625.264
17	95+00.00	50.00' RT.	1888009.615	1128624.267
18	95+00.00	60.00' RT.	1888009.947	1128634.261
19	95+20.00	60.00' RT.	1888029.937	1128633.596
20	95+20.00	50.00' RT.	1888029.604	1128623.602
21	95+50.00	50.00' RT.	1888059.587	1128622.605
22	95+50.00	55.50' RT.	1888059.770	1128628.102
23	95+80.00	55.50' RT.	1888089.753	1128627.104
24	95+80.00	50.00' RT.	1888089.571	1128621.607

IDOT USE ONLY

APPROVED
By William Wright at 1:47 pm, Apr 20, 2020

PRELIMINARY

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003342
LICENSE EXPIRATION DATE: 11/30/2020.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

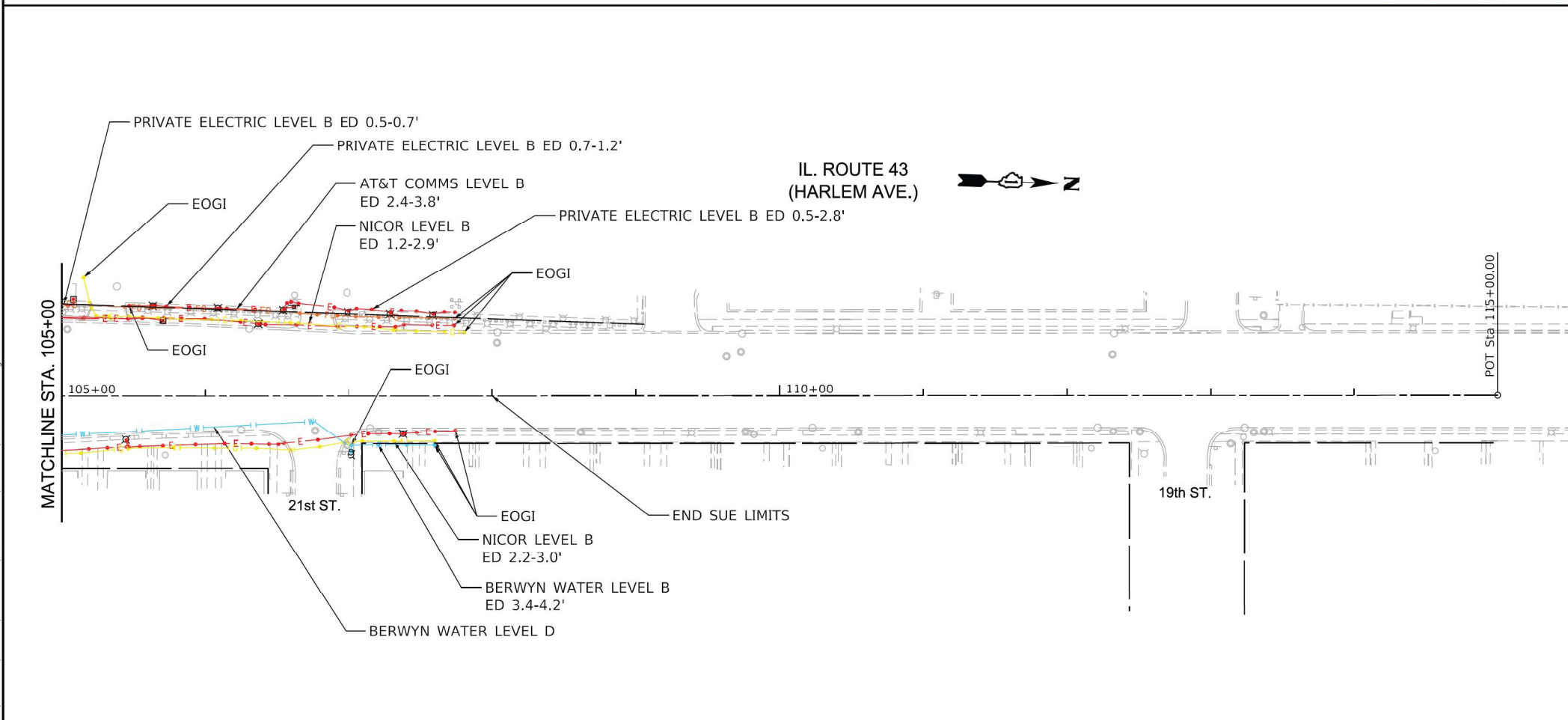
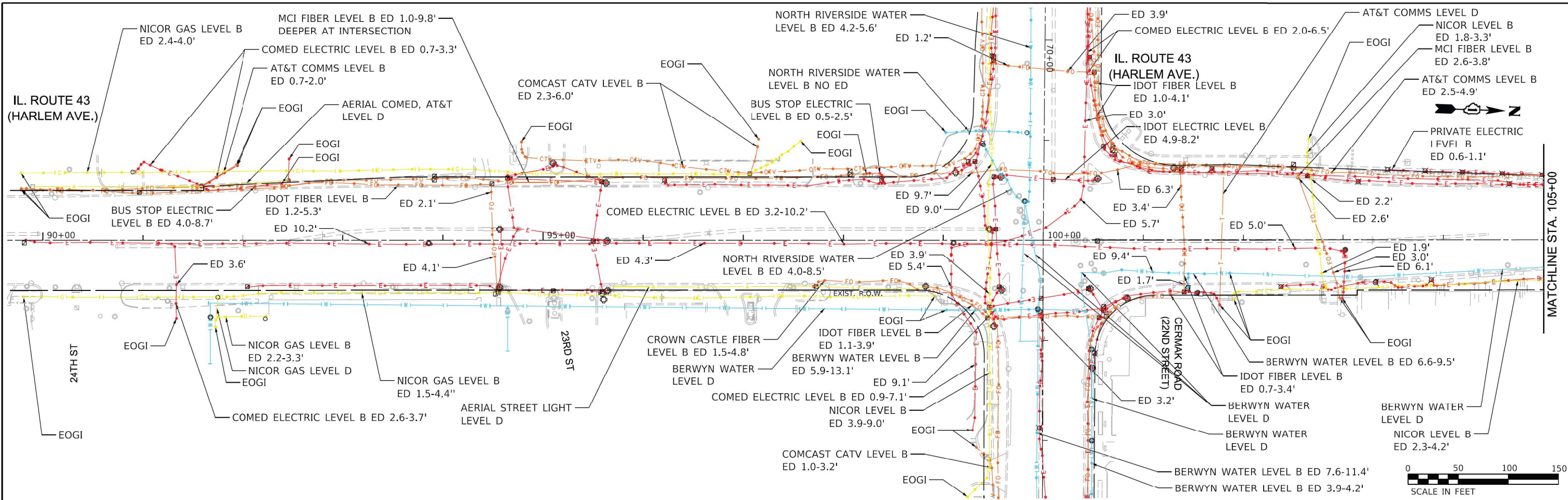
ADVANCED SURVEYING & MAPPING
ASM Consultants, Inc.
16 E Wilson St, Batavia IL 60510
Tel (630) 879-0200 Fax (630) 454-3774
advanced@advct.com
Professional Design Firm #184-006014 expires 4/30/2021

ASM PROJECT NO. 777-018

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL ROUTE 43 AT CERMAK ROAD

SECTION: COOK COUNTY
PROJECT: JOB NO. R-90-014-17
STATION: 94+20.00 TO STATION: 95+80.00
SCALE: 1" = 20' SHEET 2 OF 3

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



STATE OF ILLINOIS)
) S.S.
 COUNTY OF COOK)

UTILITY(IES) LOCATIONS WERE COLLECTED AND DEPICTED AS SHOWN HEREON BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS CI/ASCE 38-02 FOR QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 9TH DAY OF NOVEMBER, 2021 AND THE 15TH DAY OF NOVEMBER, 2021.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 8TH DAY OF DECEMBER A.D., 2021. CHICAGO, IL.

THOMAS A. SANDERSON
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 LICENSE NUMBER 62-054022
 MY LICENSE EXPIRES 02/28/2022

NOTES:

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND RIGHT-OF-WAY WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION ON NOVEMBER 9TH, 2021.
- ELECTRONIC DEPTH INFORMATION IS APPROXIMATE ONLY. DEPTHS ON THE LEVEL B LOCATES WERE CAPTURED FROM THE LOCATING EQUIPMENT AND ARE NOT LEVEL A QUALITY. ESTIMATED ELECTRONIC DEPTHS ARE MEASURED TO THE CENTER OF THE UTILITY AND MAY VARY. FOR SPECIFIC POINT DEPTHS EACH ESTIMATED ALONG A UTILITY LINE, PLEASE SEE THE POINT DATA LOCATED WITHIN THE CADD FILE OR RAW DATA FILE. SUE LEVEL A LOCATES SHOULD BE PERFORMED TO OBTAIN ACCURATE DEPTH INFORMATION.
- ALL ELECTRIC LINENWORK NOT LABELED COMED OR PRIVATE ELECTRIC IS IDOT ELECTRIC LEVEL B. THE ED OF ALL IDOT ELECTRIC RANGES FROM 0.5-4.9' UNLESS OTHERWISE NOTED.

UTILITY LINE LEGEND

	EXISTING UNDERGROUND TELEPHONE
	EXISTING UNDERGROUND WATER
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND GAS
	EXISTING UNDERGROUND CABLE TV
	EXISTING UNDERGROUND FIBER OPTIC
	EXISTING AERIAL LINE
	END OF SURFACE GEOPHYSICAL INFORMATION
	ELECTRONIC DEPTH (IN FEET)
	QUALITY LEVEL A (QLA) TEST HOLE COMPLETED (N/A)



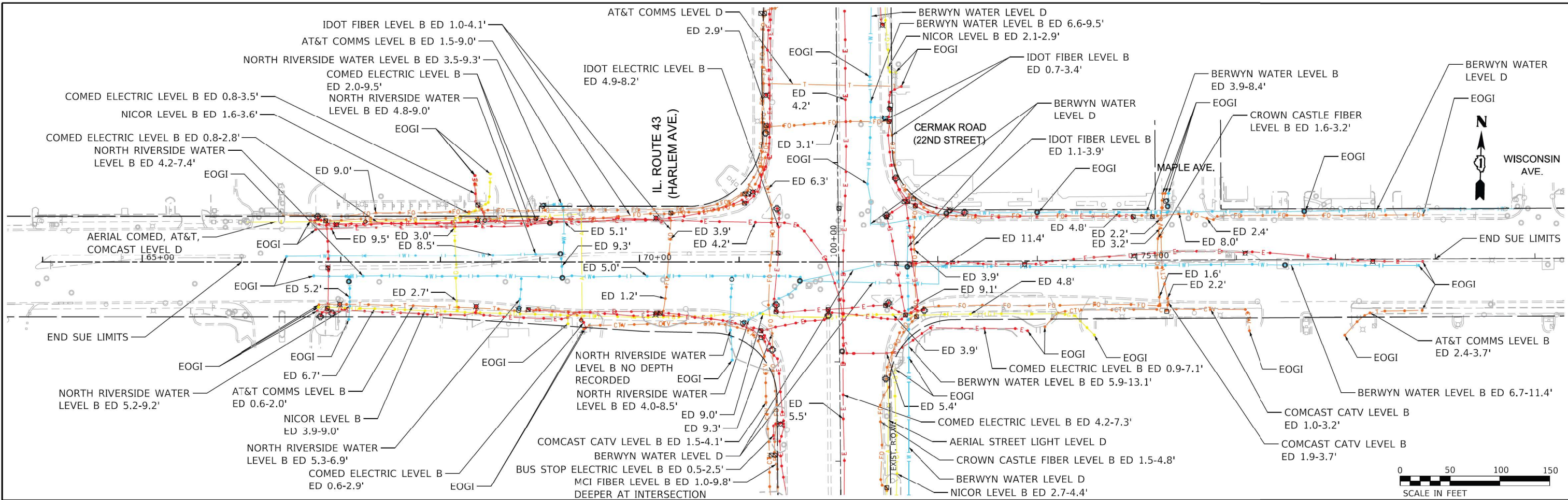
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PLOT DATE = 12/8/2021	CHECKED SR	REVISED -
	DATE 11/22/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING UTILITY PLAN
IL. ROUTE 43 (HARLEM AVENUE) AT CERMAK ROAD (22nd STREET)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	46
CONTRACT NO. 62J47				

SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT



STATE OF ILLINOIS)
) S.S.
 COUNTY OF COOK)

UTILITY(IES) LOCATIONS WERE COLLECTED AND DEPICTED AS SHOWN HEREON BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS C/ASCE 38-02 FOR QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 9TH DAY OF NOVEMBER, 2021 AND THE 15TH DAY OF NOVEMBER, 2021.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 8TH DAY OF DECEMBER A.D., 2021. CHICAGO, IL.



Thomas A. Sanderson
 THOMAS A. SANDERSON - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-054022
 MY LICENSE EXPIRES 02/28/2022

NOTES:

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, TOPOGRAPHIC FEATURES, AND RIGHT-OF-WAY WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION ON NOVEMBER 9TH, 2021.
2. ELECTRONIC DEPTH INFORMATION IS APPROXIMATE ONLY. DEPTHS ON THE LEVEL B LOCATES WERE CAPTURED FROM THE LOCATING EQUIPMENT AND ARE NOT LEVEL A QUALITY. ESTIMATED ELECTRONIC DEPTHS ARE MEASURED TO THE CENTER OF THE UTILITY AND MAY VARY. FOR SPECIFIC POINT DEPTHS EACH ESTIMATED ALONG A UTILITY LINE, PLEASE SEE THE POINT DATA LOCATED WITHIN THE CADD FILE OR RAW DATA FILE. SUE LEVEL A LOCATES SHOULD BE PERFORMED TO OBTAIN ACCURATE DEPTH INFORMATION.
3. ALL ELECTRIC LINWORK NOT LABELED COMED OR PRIVATE ELECTRIC IS IDOT ELECTRIC LEVEL B. THE ED OF ALL IDOT ELECTRIC RANGES FROM 0.5-1.0' UNLESS OTHERWISE NOTED.

UTILITY LINE LEGEND

- EXISTING UNDERGROUND TELEPHONE
- EXISTING UNDERGROUND WATER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND GAS
- EXISTING UNDERGROUND CABLE TV
- EXISTING UNDERGROUND FIBER OPTIC
- EXISTING AERIAL LINE
- END OF SURFACE GEOPHYSICAL INFORMATION
- ELECTRONIC DEPTH (IN FEET)
- QUALITY LEVEL A (QLA) TEST HOLE COMPLETED (N/A)

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PLOT DATE = 12/8/2021	CHECKED SR	REVISED -
	DATE 11/22/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING UTILITY PLAN	
IL ROUTE 43 (HARLEM AVENUE) AT CERMAK ROAD (22nd STREET)	
SCALE: 1" = 50'	SHEET OF SHEETS STA. TO STA.

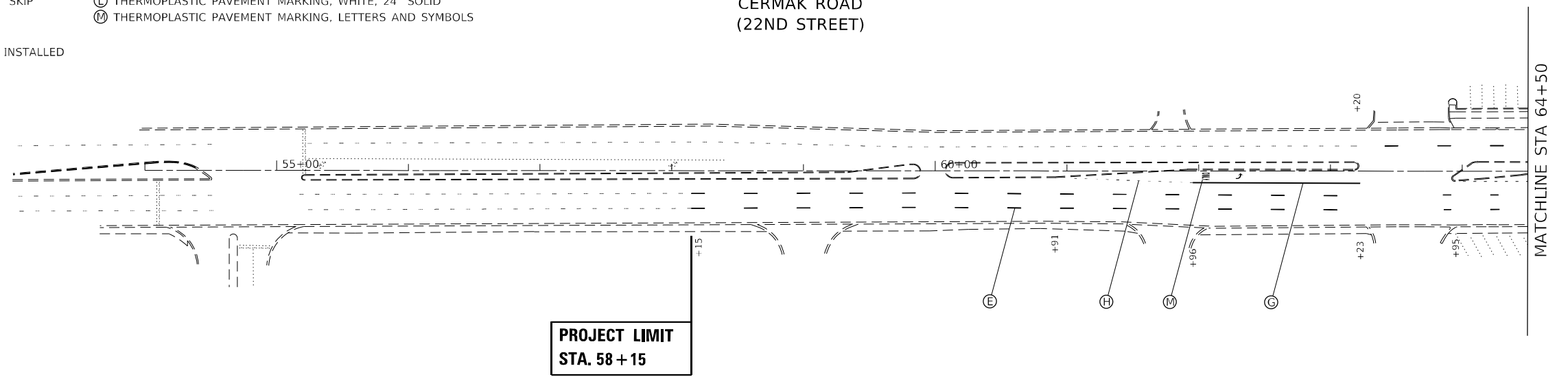
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	47
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING, WHITE, DOUBLE 4" SOLID, 11" C-C
- (B) THERMOPLASTIC PAVEMENT MARKING, YELLOW, DOUBLE 4" SOLID, 11" C-C
- (C) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" SOLID
- (D) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" SOLID
- (E) THERMOPLASTIC PAVEMENT MARKING, WHITE, 4" DASHED, 10' DASH 30' SKIP
- (F) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 4" DASHED, 10' DASH 30' SKIP
- (G) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" SOLID
- (H) THERMOPLASTIC PAVEMENT MARKING, WHITE, 6" DASHED, 2' DASH 6' SKIP
- (I) THERMOPLASTIC PAVEMENT MARKING, WHITE, 8" SOLID
- (J) THERMOPLASTIC PAVEMENT MARKING, WHITE, 12" SOLID
- (K) THERMOPLASTIC PAVEMENT MARKING, YELLOW, 12" SOLID
- (L) THERMOPLASTIC PAVEMENT MARKING, WHITE, 24" SOLID
- (M) THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS

PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKINGS TO BE INSTALLED ACCORDING TO DISTRICT DETAILS TC-11 AND TC-13

CERMAK ROAD
(22ND STREET)



**PROJECT LIMIT
STA. 58 + 15**

MATCHLINE STA 64+50

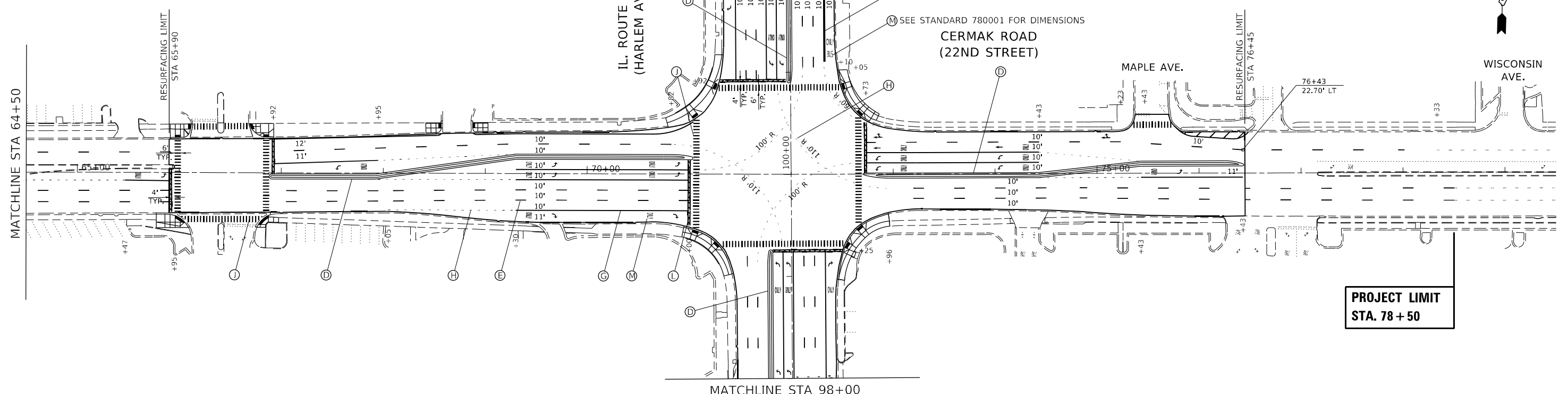
MATCHLINE STA 102+00

IL. ROUTE 43
(HARLEM AVE.)

CERMAK ROAD
(22ND STREET)

MAPLE AVE.

WISCONSIN
AVE.



**PROJECT LIMIT
STA. 78 + 50**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 64+00 TO STA. 80+00

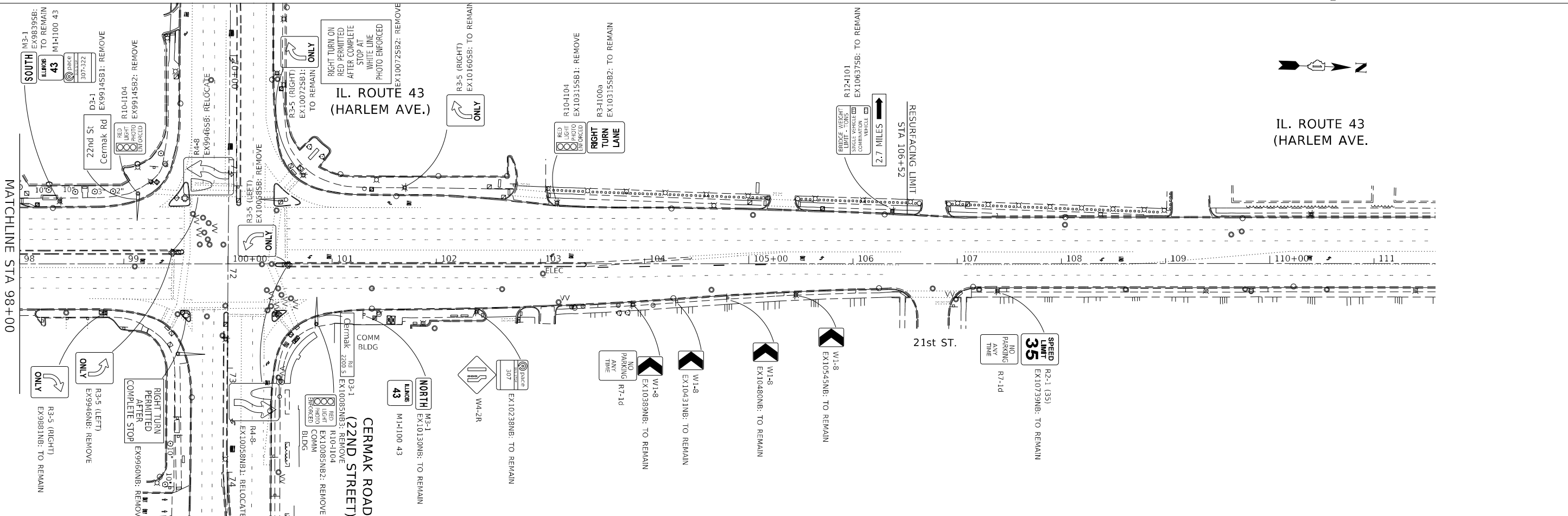
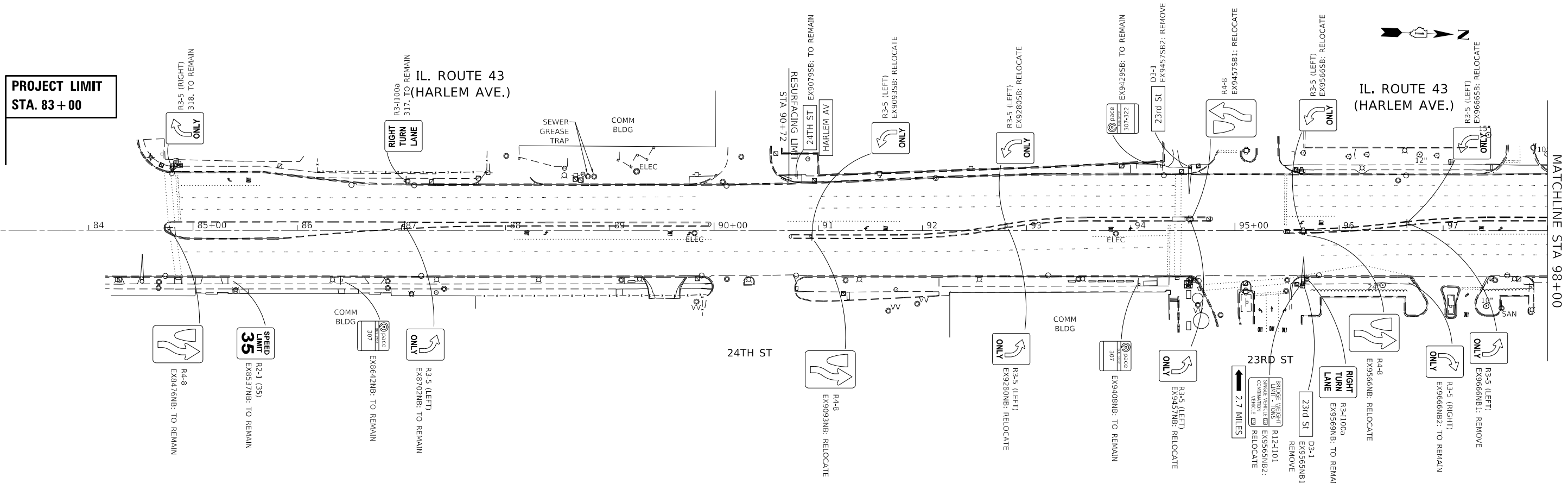
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	DRAWN - RR	REVISED -
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PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	48
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

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**PROJECT LIMIT
STA. 83+00**

**IL. ROUTE 43
(HARLEM AVE.)**



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DRAWN - RR	REVISED -	
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PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING SIGNAGE PLAN - IL ROUTE 43
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 85+00 TO STA. 112+00

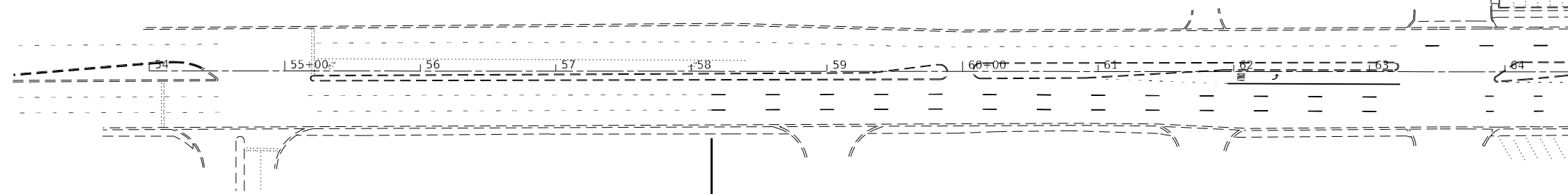
F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 51
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J47	

CERMAK ROAD
(22ND STREET)

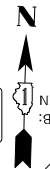
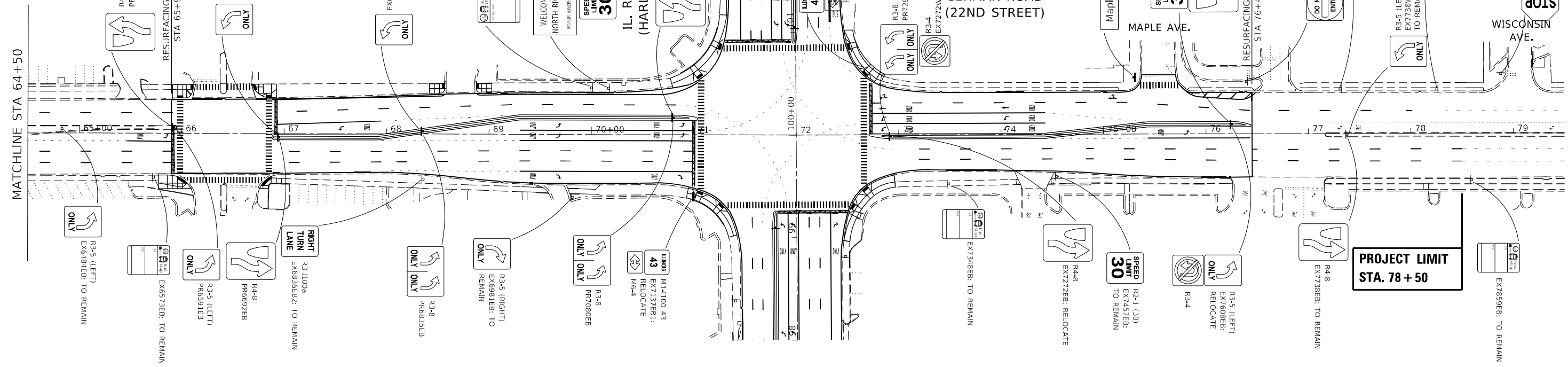


MATCHLINE STA 64+50

PROJECT LIMIT
STA. 58 + 15



MATCHLINE STA 64+50



PROJECT LIMIT
STA. 78 + 50

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PROJECT: 20220510.ctb
DRAWING: 20220510.ctb
SCALE: 1"=50'

USER NAME = rostkowski	DESIGNED - RR	REVISED -
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PLOT DATE = 5/23/2022	CHECKED - LP	REVISED -
	DATE - 4/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNAGE PLAN - CERMAK ROAD IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)			
SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 64+00 TO STA. 80+00

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 52
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

EXISTING SIGN SCHEDULE (CONTINUED)

ID	SIGN	SIGN DESCRIPTION	PAY ITEM	COMMENT	EX LOCATION			PR LOCATION			POST PAY ITEM	TOTAL POST LENGTH REQUIRED (FT)
					STATION	OFFSET	MOUNT TYPE	STATION	OFFSET	MOUNT TYPE		
EX10637SB	R12-1101	BRIDGE WEIGHT LIMIT - TONS...	-	-	106+37	-51	POLE MOUNT	-	-	-	-	-
EX10637SB	-	2.7 MILES (RIGHT ARROW)	-	-	106+37	-51	POLE MOUNT	-	-	-	-	-
EX10315SB1	R10-1104	RED LIGHT PHOTO ENFORCED	REMOVE SIGN PANEL ASSEMBLY - TYPE A	-	103+15	-59	POLE MOUNT	-	-	-	-	-
EX10315SB2	R3-1100a	RIGHT TURN LANE	-	-	103+15	-59	POLE MOUNT	-	-	-	-	-
EX10160SB	R3-5 (RIGHT)	(RIGHT TURN ARROW) ONLY	-	-	101+60	-73	POLE MOUNT	-	-	-	-	-
EX10058SB	R3-5 (LEFT)	(LEFT TURN ARROW) ONLY	(INCLUDED IN EX TRAFFIC SIGNAL REMOVAL)	-	100+58	1	POLE MOUNT	-	-	-	-	-
EX10072SB1	R3-5 (RIGHT)	(RIGHT TURN ARROW) ONLY	-	-	100+72	-85	POLE MOUNT	-	-	-	-	-
EX10072SB2	-	RIGHT TURN ON RED PERMITTED AFTER COMPLETE STOP (NARROW KEEP RIGHT)	(INCLUDED IN EX TRAFFIC SIGNAL REMOVAL)	-	100+72	-85	POLE MOUNT	-	-	-	-	-
EX9946SB	R4-8	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	REUSE OLD POST	99+46	-11	PAVEMENT MOUNT	99+10	-21	PAVEMENT MOUNT	TELESCOPING STEEL SIGN SUPPORT	15.5
EX9914SB1	D3-1	22ND ST CERMAK RD	(INCLUDED IN EX TRAFFIC SIGNAL REMOVAL)	-	99+14	-68	MAST ARM MOUNT	-	-	-	-	-
EX9914SB2	R10-1104	RED LIGHT PHOTO ENFORCED	(INCLUDED IN EX TRAFFIC SIGNAL REMOVAL)	-	99+14	-68	POLE MOUNT	-	-	-	-	-
EX9839SB	M3-3	SOUTH	-	-	98+39	-60	PAVEMENT MOUNT	-	-	-	-	-
EX9839SB	M1-1100 43	ILLINOIS 43	-	-	98+39	-60	PAVEMENT MOUNT	-	-	-	-	-
EX9839SB	-	PACE BUST STOP 307-322	-	-	98+39	-60	PAVEMENT MOUNT	-	-	-	-	-
EX9666SB	R3-5 (LEFT)	(LEFT TURN ARROW) ONLY	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	RELOCATION INCLUDED IN EX9666NB	96+66	-7	PAVEMENT MOUNT	97+10	-14	PAVEMENT MOUNT	-	-
EX9666SB	R3-5 (LEFT)	(LEFT TURN ARROW) ONLY	-	-	95+66	1	POLE MOUNT	95+55	-2	PAVEMENT MOUNT	-	-
EX9457SB1	R4-8	(NARROW KEEP RIGHT)	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	RELOCATION INCLUDED IN EX9457NB	94+57	-11	PAVEMENT MOUNT	94+35	-20	PAVEMENT MOUNT	-	-
EX9457SB2	D3-1	23RD ST	(INCLUDED IN EX TRAFFIC SIGNAL REMOVAL)	-	94+57	-61	MAST ARM MOUNT	-	-	-	-	-
EX9429SB	-	PACE BUST STOP 307-322	-	-	94+29	-62	PAVEMENT MOUNT	-	-	-	-	-
EX9280SB	R3-5 (LEFT)	(LEFT TURN ARROW) ONLY	-	-	92+80	-5	PAVEMENT MOUNT	92+55	-9	PAVEMENT MOUNT	-	-
EX9093SB	R3-5 (LEFT)	(LEFT TURN ARROW) ONLY	-	-	90+93	6	PAVEMENT MOUNT	90+80	6	PAVEMENT MOUNT	-	-
EX9079SB	-	24TH ST	-	-	90+79	-53	PAVEMENT MOUNT	-	-	-	-	-
EX9079SB	-	HARLEM AV	-	-	90+79	-53	PAVEMENT MOUNT	-	-	-	-	-

PROPOSED SIGN SCHEDULE

ID	SIGN	SIGN DESCRIPTION	SIGN PAY ITEM	COMMENT	LOCATON			POST TYPE REQUIRED	TOTAL POST LENGTH REQUIRED (FT)	POST PAY ITEM
					STATION	OFFSET	MOUNT TYPE			
PR6591EB	R3-5 (LEFT)	(LEFT TURN ARROW) ONLY	SIGN PANEL - TYPE 1	-	65+91	-5.4	PAVEMENT MOUNT	TELESCOPNG	15.5	TELESCOPING STEEL SIGN SUPPORT
PR6695EB	R4-8	(NARROW KEEP RIGHT)	SIGN PANEL - TYPE 1	-	66+95	3.6	PAVEMENT MOUNT	TELESCOPNG	15.5	TELESCOPING STEEL SIGN SUPPORT
PR6835EB	R3-8	(LEFT TURN ARROW) ONLY, DOUBLE	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS EX6853WB	68+35	-2.5	PAVEMENT MOUNT	-	-	-
PR7090EB	R3-8	(LEFT TURN ARROW) ONLY, DOUBLE	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS EX7120WB	70+90	-10.5	PAVEMENT MOUNT	-	-	-
PR7625WB	R4-8	(NARROW KEEP RIGHT)	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS EX7608EB	76+25	-9.5	PAVEMENT MOUNT	-	-	-
PR7292WB	R3-8	(LEFT TURN ARROW) ONLY, DOUBLE	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS EX7272EB	72+92	1.5	PAVEMENT MOUNT	-	-	-
PR6695WB	R3-5 (RIGHT)	(LEFT TURN ARROW) ONLY	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS PR6695EB	66+95	3.6	PAVEMENT MOUNT	-	-	-
PR6591WB	R3-5 (RIGHT)	(LEFT TURN ARROW) ONLY	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS PR6602EB	65+91	-5.4	PAVEMENT MOUNT	-	-	-
PR9710NB	R3-8	(LEFT TURN ARROW) ONLY, DOUBLE	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS EX9666SB	97+10	-14	PAVEMENT MOUNT	-	-	-
PR9910NB	R3-8	(LEFT TURN ARROW) ONLY, DOUBLE	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS EX9946SB	99+10	-20	PAVEMENT MOUNT	-	-	-
PR10460NB	R3-8	(LEFT TURN ARROW) ONLY, DOUBLE	SIGN PANEL - TYPE 1	-	104+80	-8.8	PAVEMENT MOUNT	TELESCOPNG	15.5	TELESCOPING STEEL SIGN SUPPORT
PR10460SB	R3-8	(LEFT TURN ARROW) ONLY, DOUBLE	SIGN PANEL - TYPE 1	INSTALLED ON SAME POST AS PR10460NB	104+80	-8.8	PAVEMENT MOUNT	-	-	-

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PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNAGE SCHEDULE
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

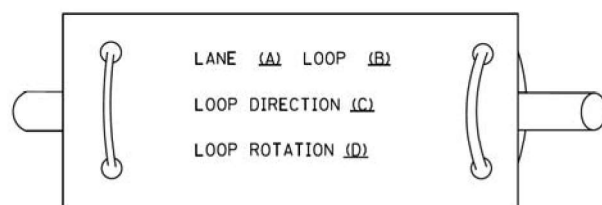
SCALE: - SHEET 2 OF 2 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	55
CONTRACT NO. 62147			ILLINOIS FED. AID PROJECT	

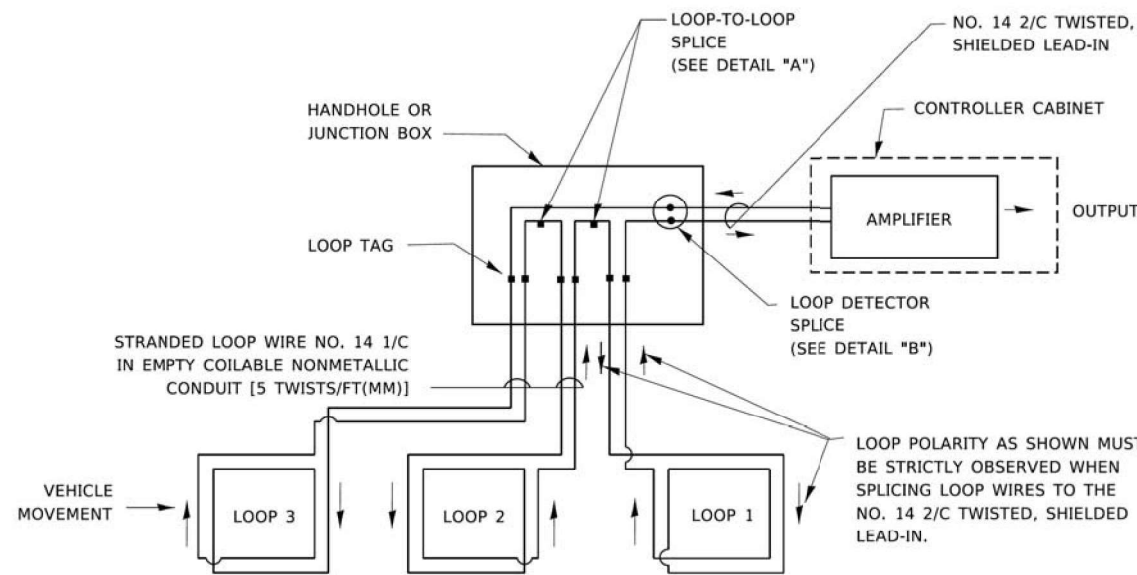
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

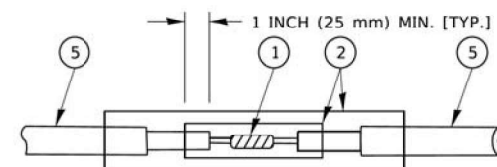


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

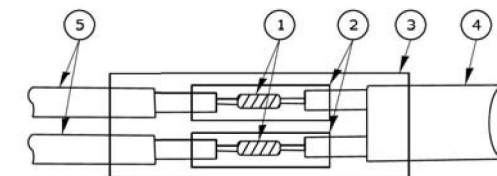


DETECTOR LOOP WIRING SCHEMATIC

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

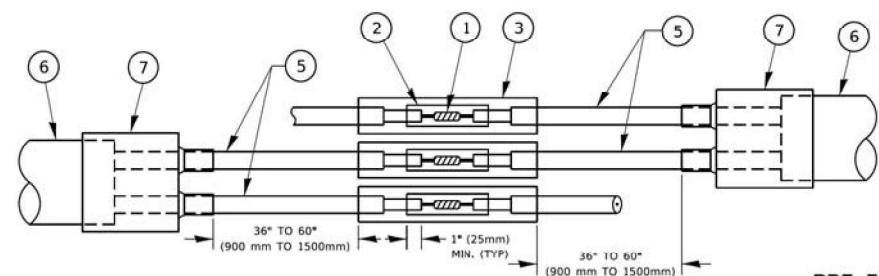


DETAIL "A"
LOOP-TO-LOOP SPLICE

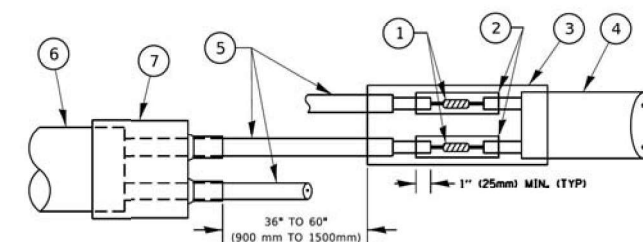


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



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. 02

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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

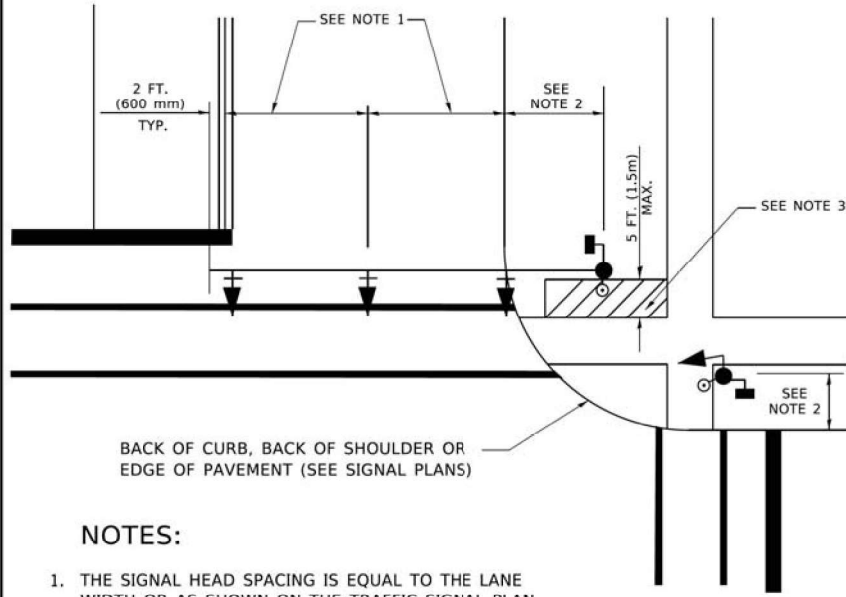
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE. 348	SECTION 2019-077-TS&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 57
TS-05		CONTRACT NO. 62147		
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

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



BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

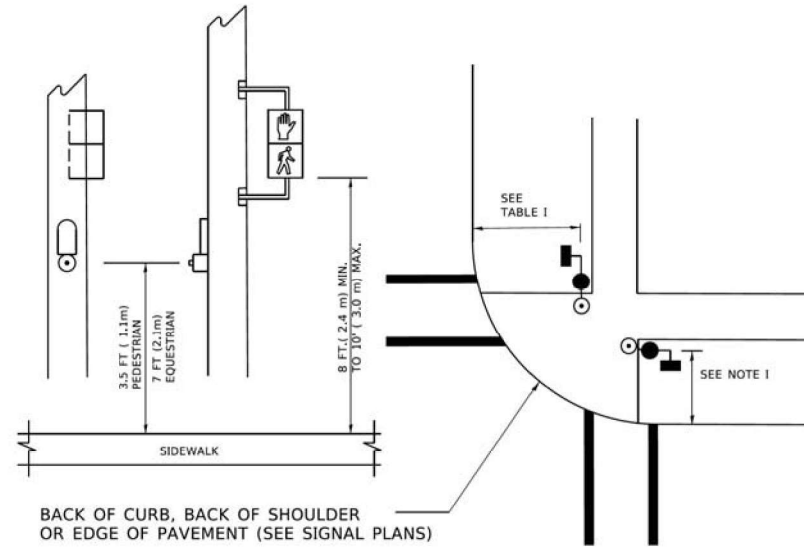
NOTES:

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

PEDESTRIAN SIGNAL POST

AND

PEDESTRIAN PUSH BUTTON POST

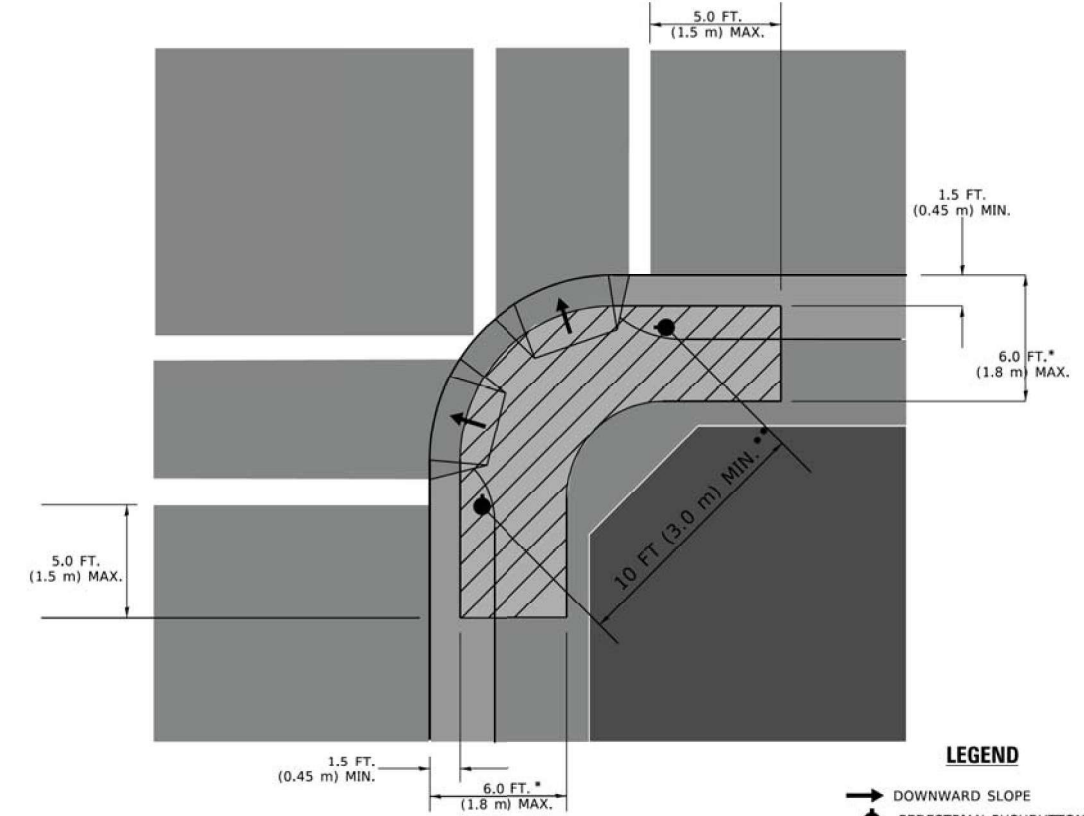


BACK OF CURB, BACK OF SHOULDER OR EDGE OF PAVEMENT (SEE SIGNAL PLANS)

NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

TS SHT NO. 03

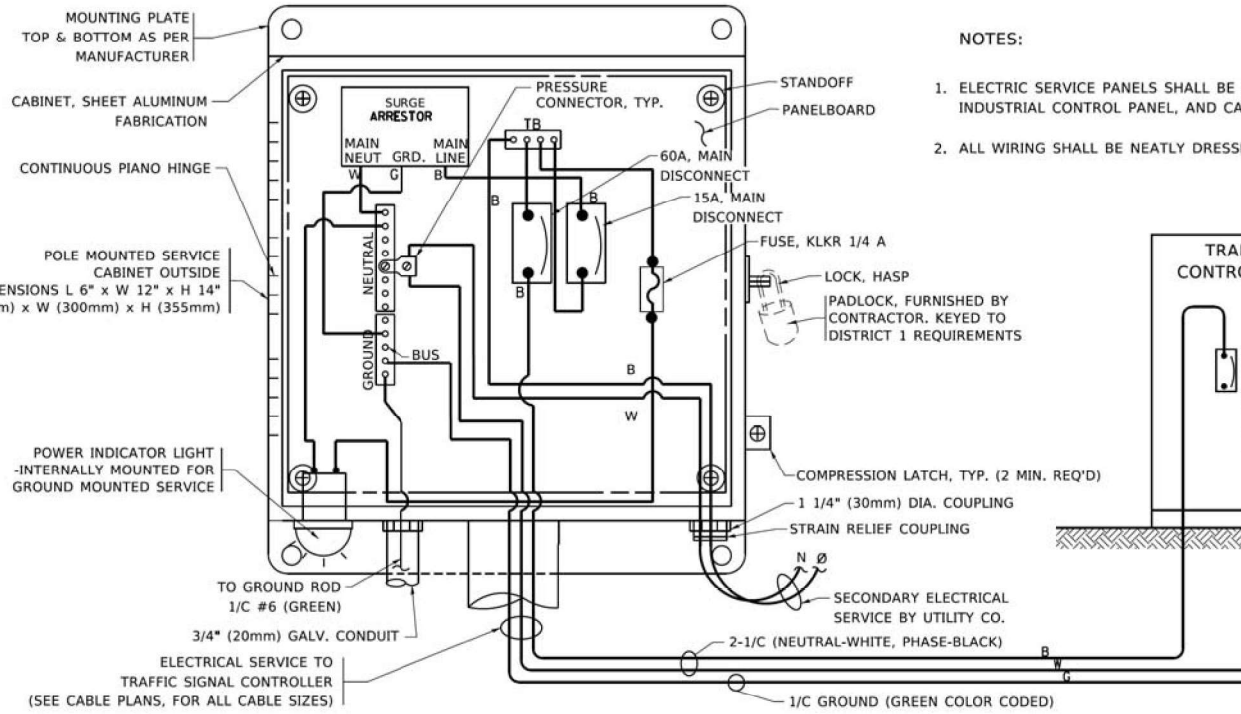
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

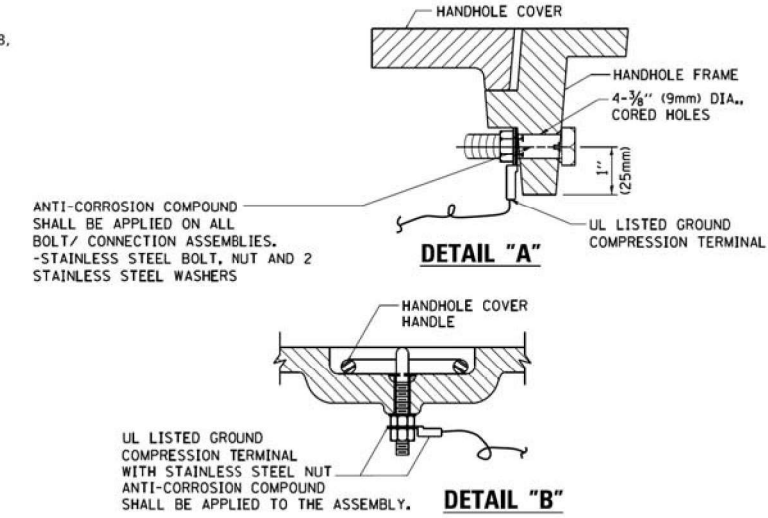
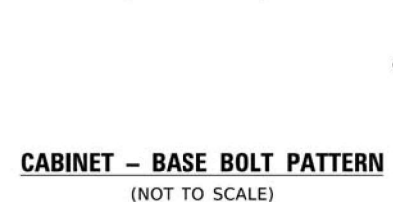
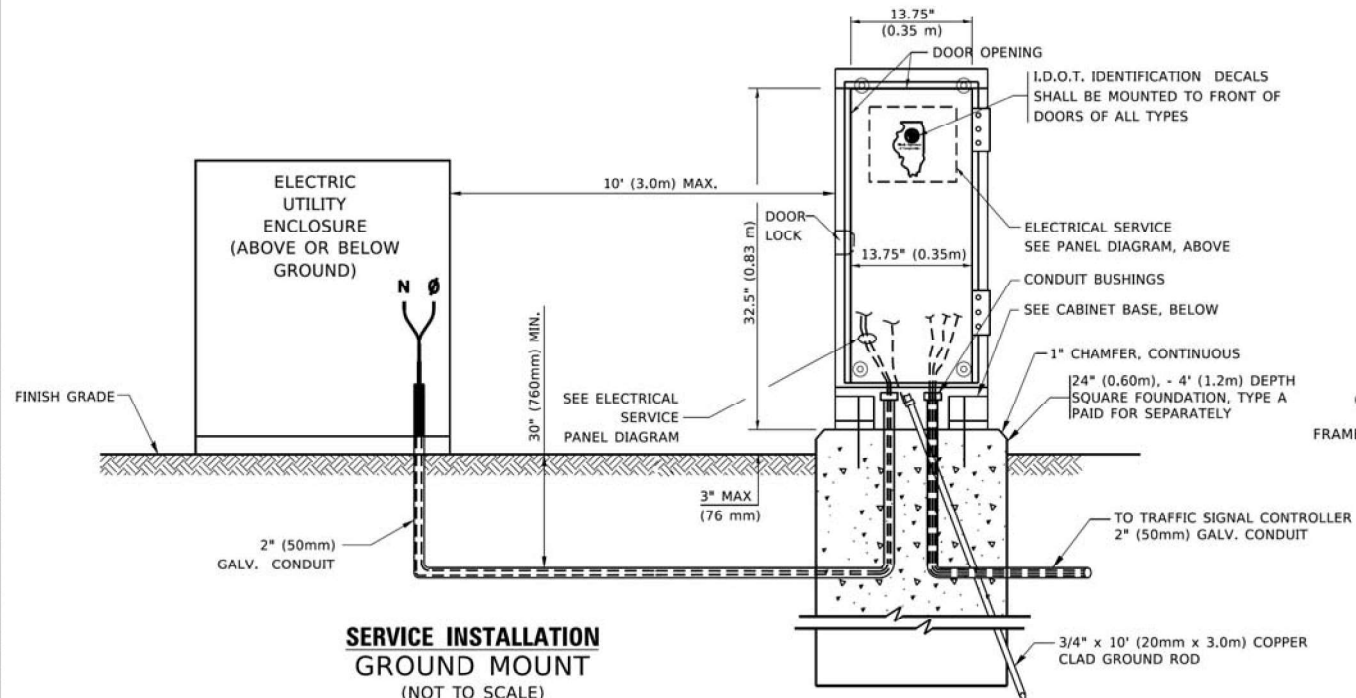
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE. 348	SECTION 2019-077-TS&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 58
TS-05		CONTRACT NO. 62147		
ILLINOIS FED. AID PROJECT				

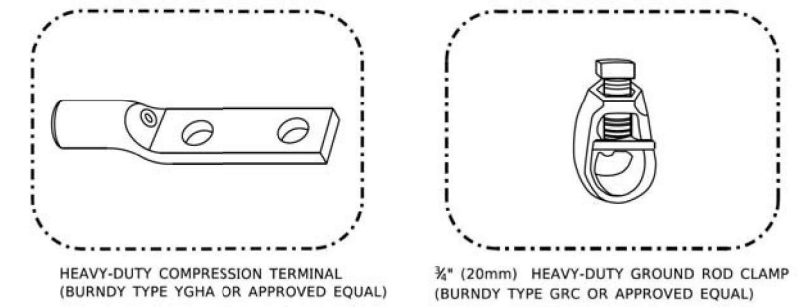
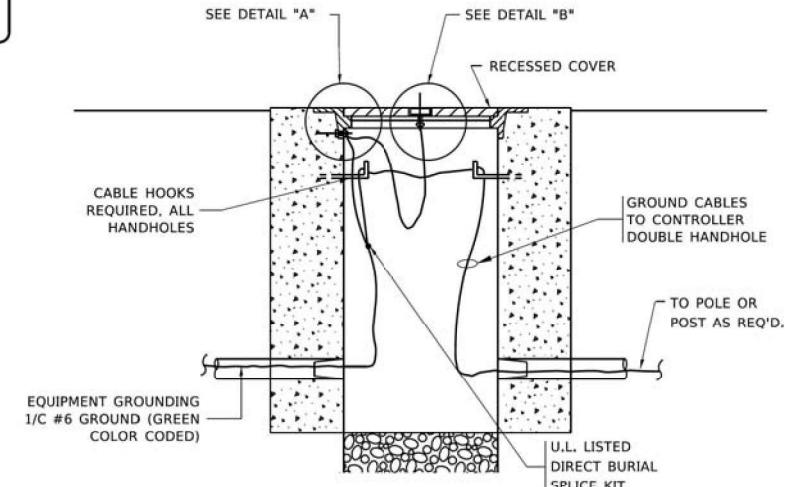


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



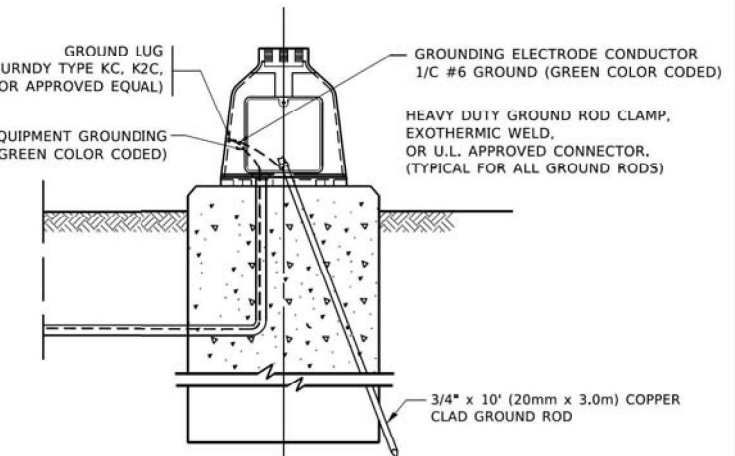
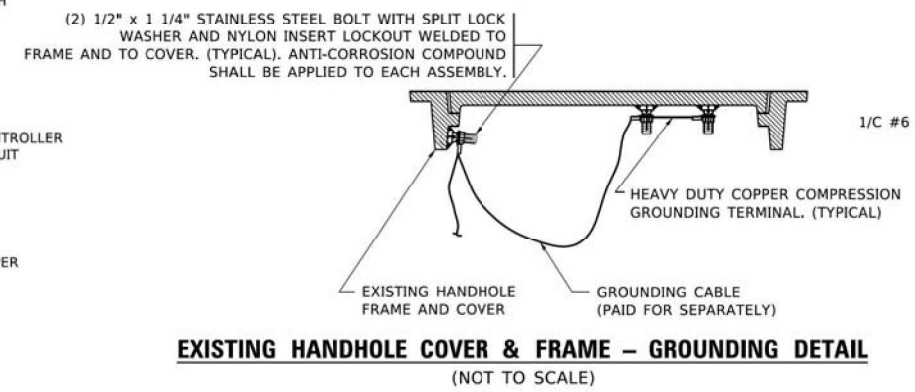
NOTES:
GROUNDING SYSTEM

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



NOTES:

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



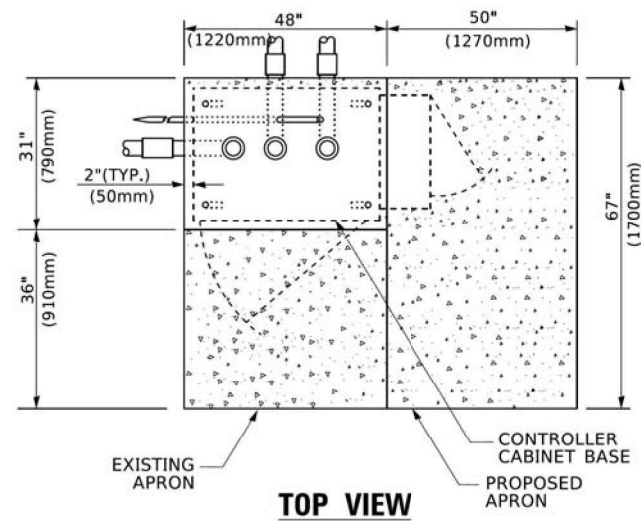
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 FILE NAME: I:\Projects\District One\Projects\TS&SW\2019\2019-07-15\TS&SW\2019-07-15\TS&SW\2019-07-15\TS&SW.dwg

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000" / 1"	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

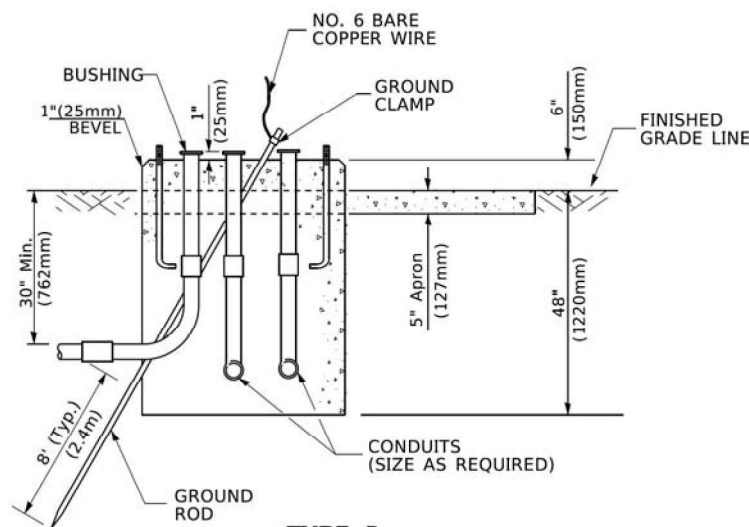
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 4	OF 7 SHEETS	STA. TO STA.

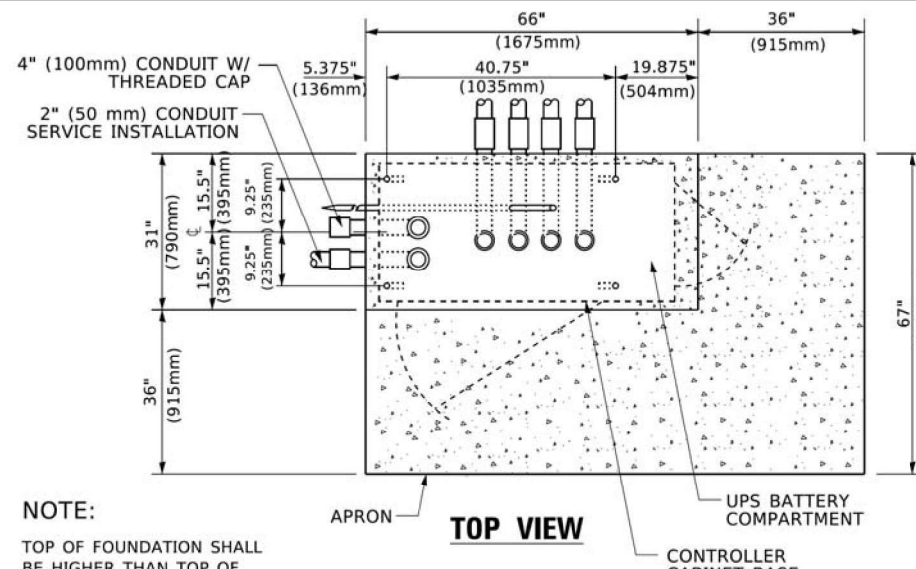
F.A.P. RTE. 348	SECTION 2019-077-TS&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 59
TS-05		CONTRACT NO. 62147		
ILLINOIS FED. AID PROJECT				



TOP VIEW



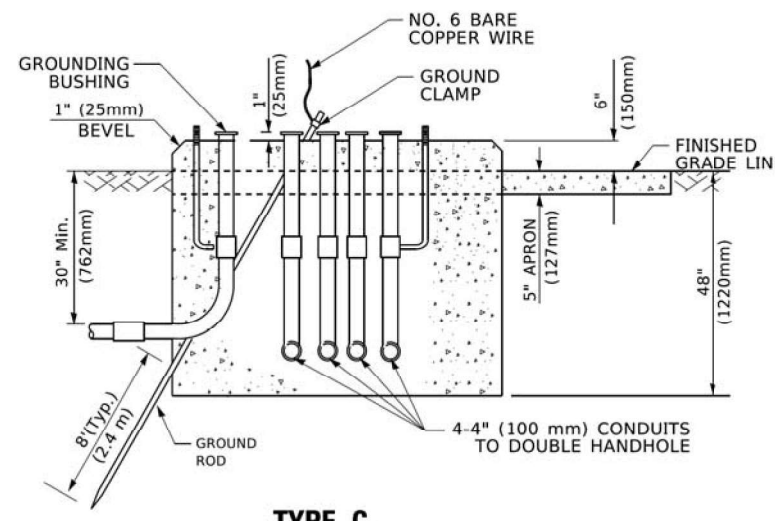
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



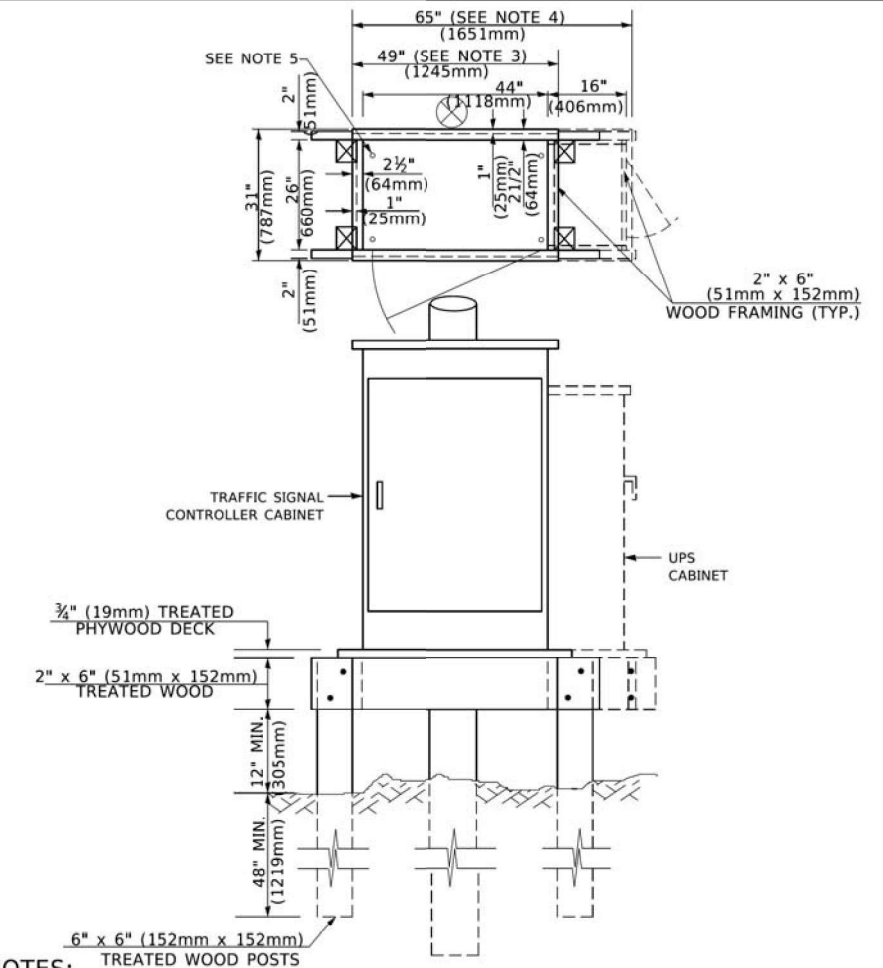
TOP VIEW

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 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 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 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (q_u) > 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

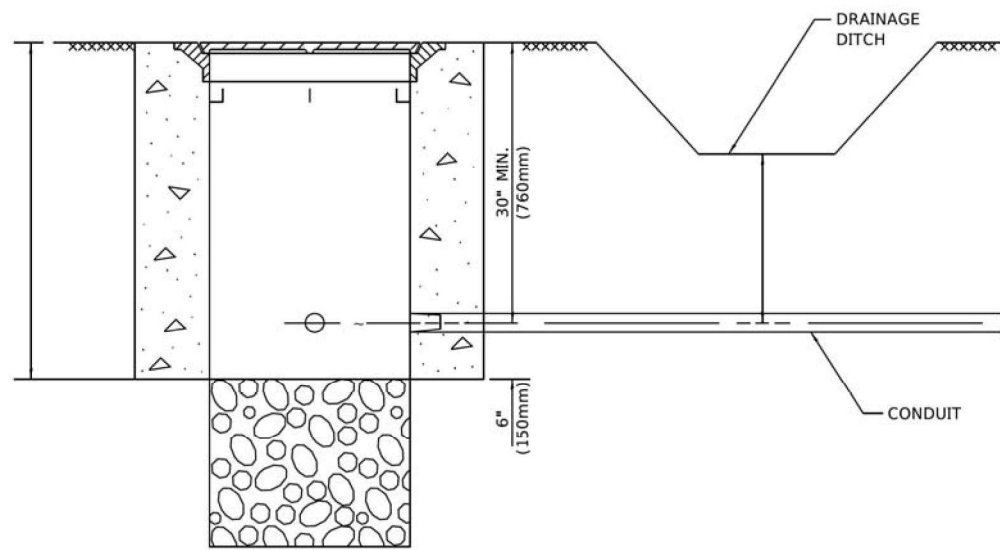
TS SHT NO. 05

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 5	OF 7 SHEETS	STA. TO STA.

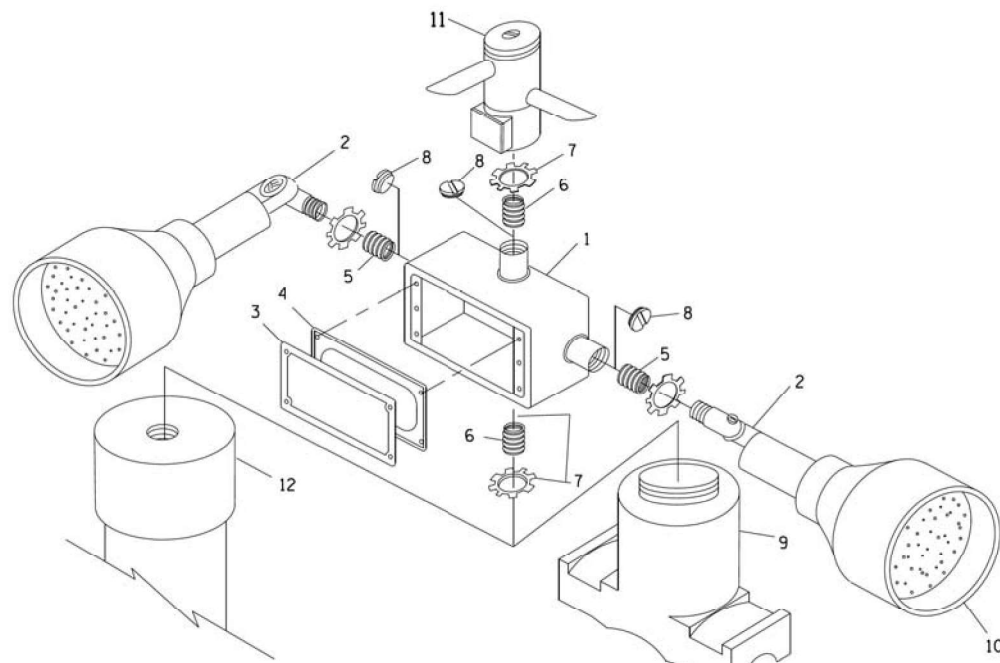
F.A.P. RTE. 348	SECTION 2019-077-TS&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 60
TS-05		CONTRACT NO. 62147		
ILLINOIS FED. AID PROJECT				



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)

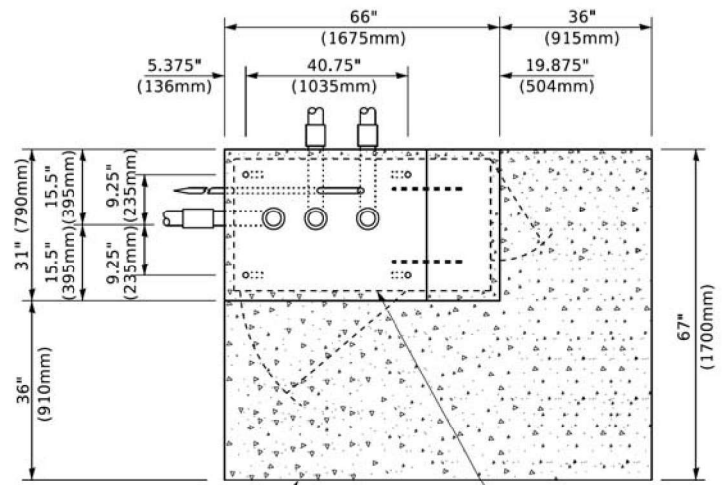


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

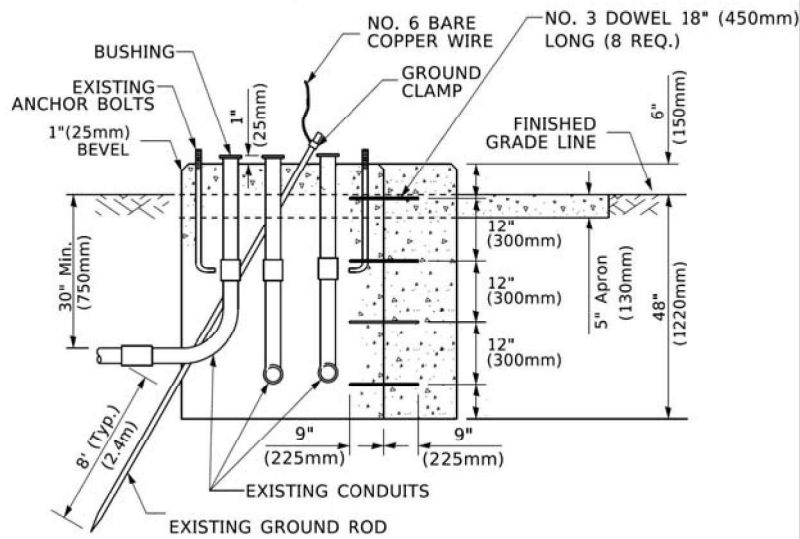
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU. IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

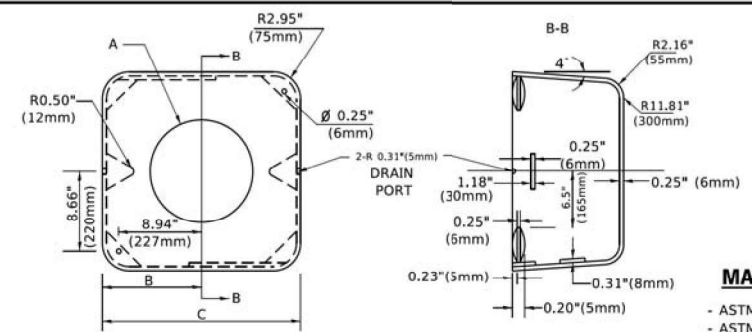
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.



TOP VIEW
(NOT TO SCALE)



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



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

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

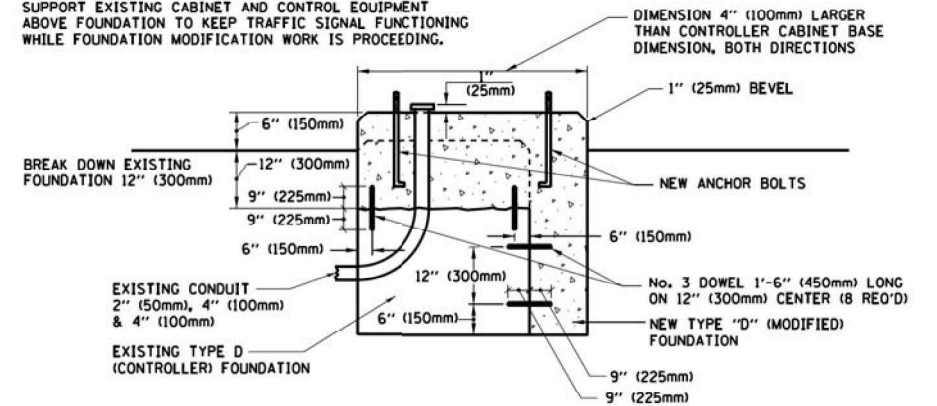
SHROUD

NOTES:

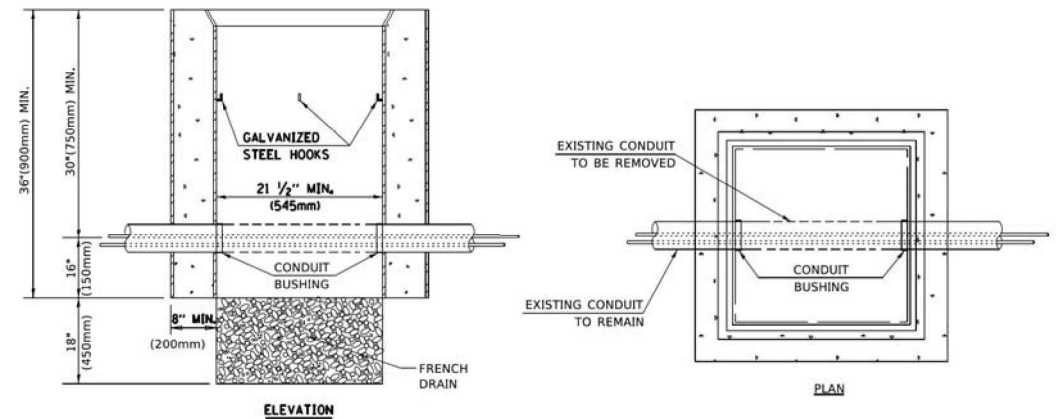
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS SHT NO. 06

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000 "/td> <td>DRAWN -</td> <td>REVISED -</td>	DRAWN -	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE. 348	SECTION 2019-077-TS&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 61
TS-05		CONTRACT NO. 62147		
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 102+00
SEE SHEET 2 OF 2

NOTES:

- STATIONS AND OFFSETS ARE IN REFERENCE TO IL ROUTE 43 CENTERLINE UNLESS OTHERWISE NOTED.
- RED LIGHT ENFORCEMENT CAMERAS ARE IN OPERATION AT THIS LOCATION. RLR CAMERAS ON THE NORTH AND WEST APPROACHES ARE THE VILLAGE OF NORTH RIVERSIDE, AND RLR CAMERAS ON THE SOUTH AND EAST APPROACHES ARE THE CITY OF BERWYN. INQUIRIES REGARDING THE ENFORCEMENT CAMERAS SHOULD BE DIRECTED TO THE FOLLOWING:

VILLAGE OF NORTH RIVERSIDE - SUE SCARPINITI - VILLAGE ADMINISTRATOR
OFFICE# (708) 447-4211

CITY OF BERWYN - ROBERT SCHILLER - DIRECTOR OF PUBLIC WORKS
OFFICE# (708) 749-4700

CAMERA VENDOR - SAFESPEED, LLC
KEVIN WARPUP
(312) 522-7304

- DUE TO THE PRESENCE OF RED LIGHT RUNNING (RLR) CAMERAS WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF NORTH RIVERSIDE, CITY OF BERWYN AND SAFESPEED, LLC PRIOR TO THE START OF CONSTRUCTION.

VILLAGE OF NORTH RIVERSIDE
2401 DES PLAINES AVENUE
NORTH RIVERSIDE, IL 60546
P: (708) 447-4211

CITY OF BERWYN
6700 W 26TH STREET
BERWYN, IL 60402
P: (708) 788-2660

SAFESPEED, LLC
150 N WACKER DRIVE
CHICAGO, IL 60606
P: (877) 237-2331

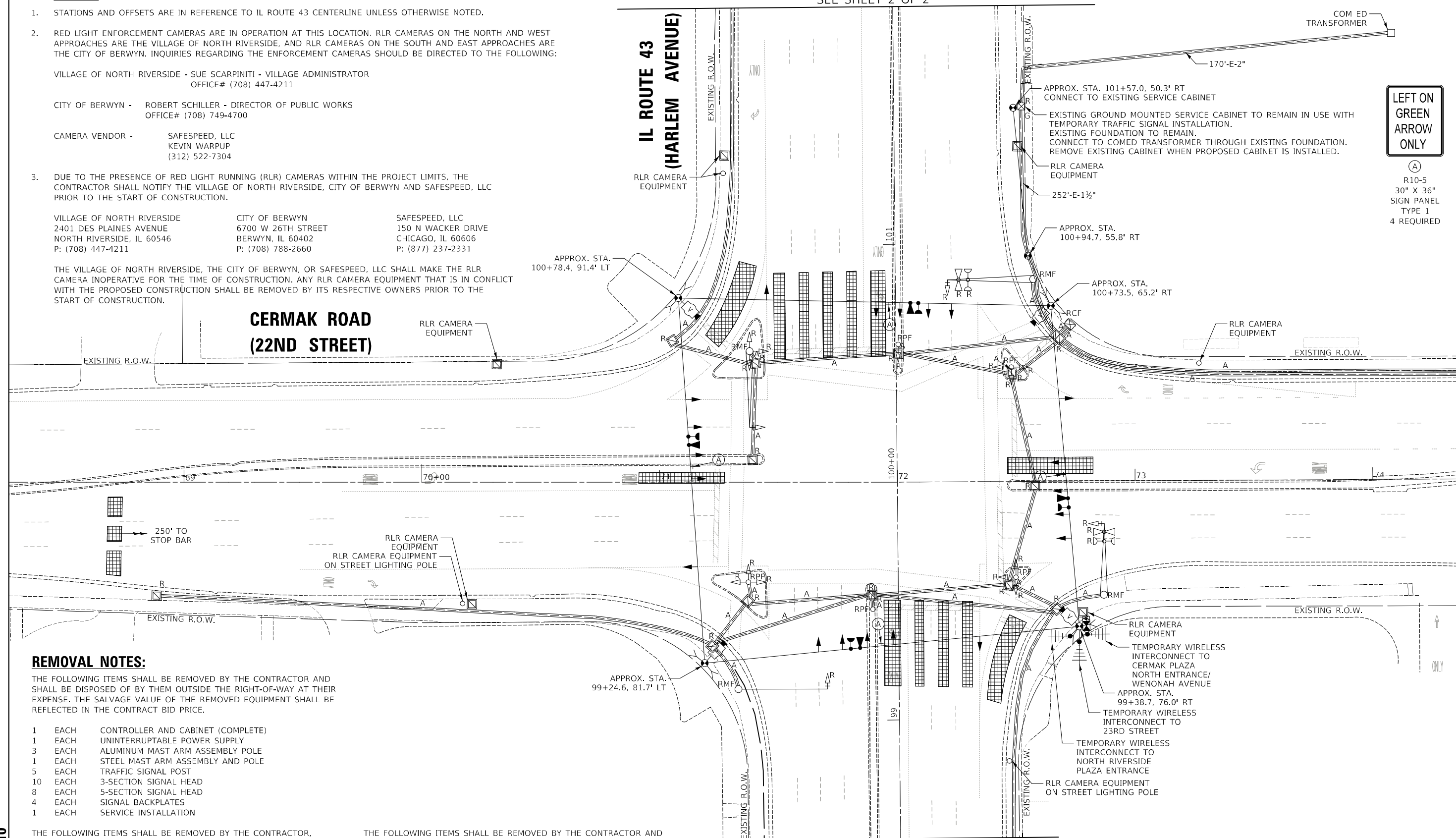
THE VILLAGE OF NORTH RIVERSIDE, THE CITY OF BERWYN, OR SAFESPEED, LLC SHALL MAKE THE RLR CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT OF WAY CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT OF WAY CHECKED	
	FILE NAME	

**IL ROUTE 43
(HARLEM AVENUE)**

**CERMAK ROAD
(22ND STREET)**



**LEFT ON GREEN
ARROW
ONLY**

(A)
R10-5
30" X 36"
SIGN PANEL
TYPE 1
4 REQUIRED

REMOVAL 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.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY
- 3 EACH ALUMINUM MAST ARM ASSEMBLY POLE
- 1 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 5 EACH TRAFFIC SIGNAL POST
- 10 EACH 3-SECTION SIGNAL HEAD
- 8 EACH 5-SECTION SIGNAL HEAD
- 4 EACH SIGNAL BACKPLATES
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE, AND SHALL BE DELIVERED TO IDOT SPARE PARTS.

- 1 EACH MASTER CONTROLLER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF NORTH RIVERSIDE. THE CONTRACTOR SHALL ARRANGE FOR THE PICKUP OF THE EQUIPMENT BY THE VILLAGE AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

TS SHT NO. 10

MATCH LINE STA 98+50
SEE SHEET 2 OF 2

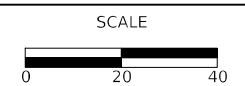
MATCH LINE STA 74+40
SEE SHEET 2 OF 2



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	LEP	REVISED -	1/26/2024
DRAWN -	LEP	REVISED -	
CHECKED -	JJE	REVISED -	
DATE -	5/2/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND CERMAK ROAD (22ND STREET)**

SHEET 1 OF 2 SHEETS STA. TO STA.

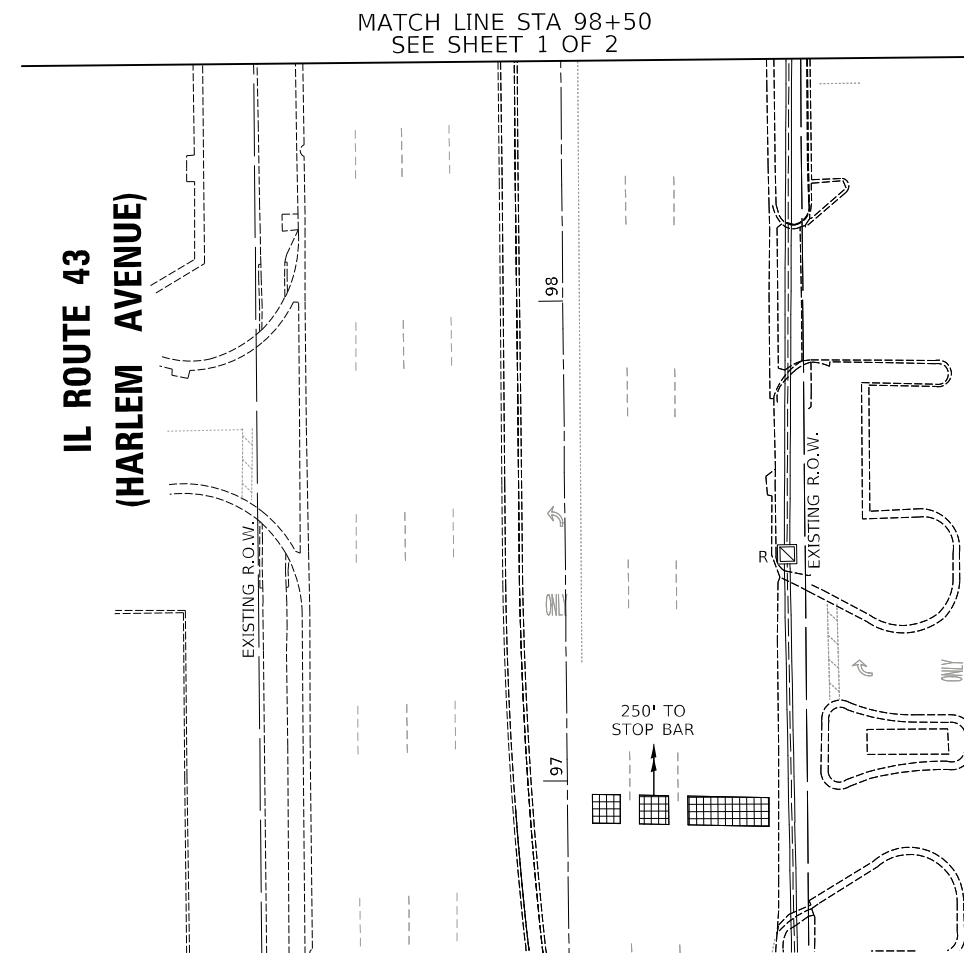
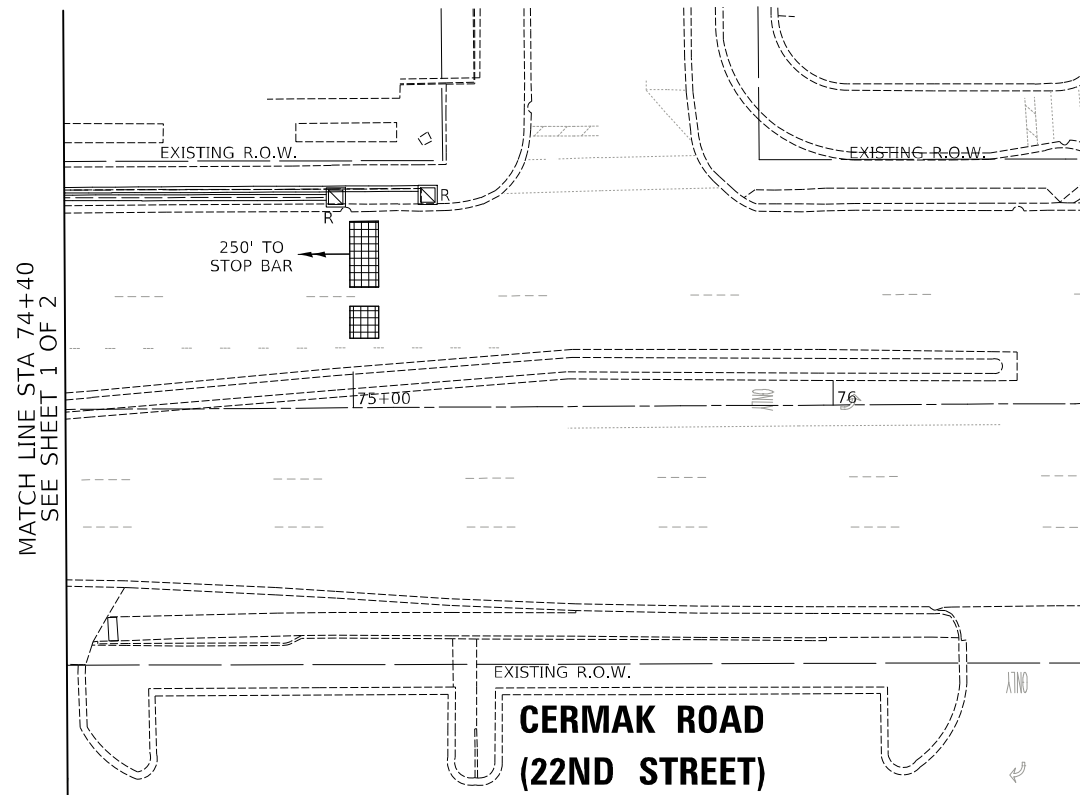
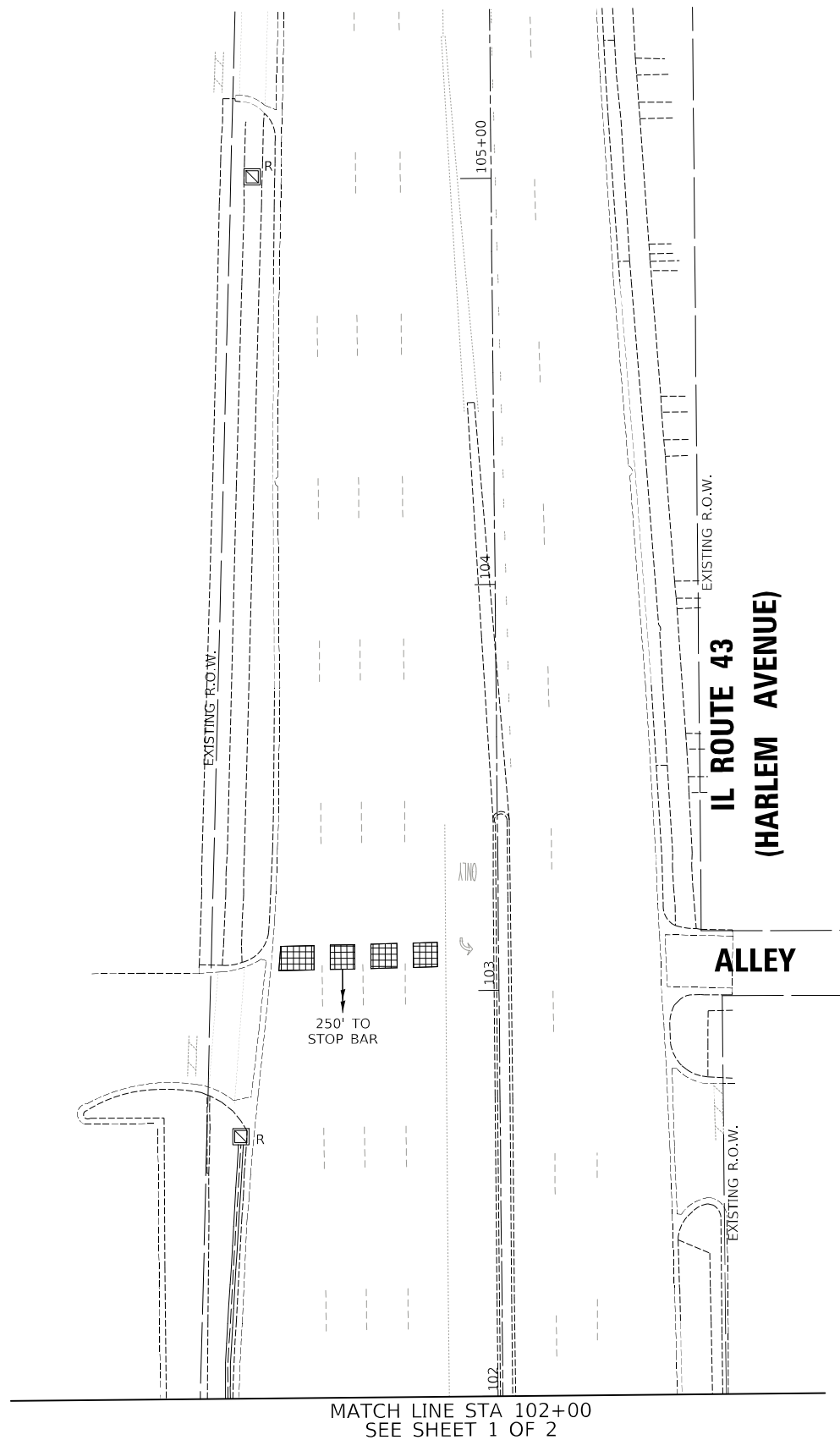
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	65
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

**TS 2280
ECON 30**

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS CP'KD		

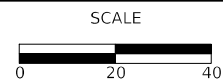
TS SHT NO. 11



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	LEP	REVISED	-	1/26/2024
DRAWN	-	LEP	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	5/2/2022	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND CERMAK ROAD (22ND STREET)

SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	66
				CONTRACT NO. 62J47
				ILLINOIS FED. AID PROJECT

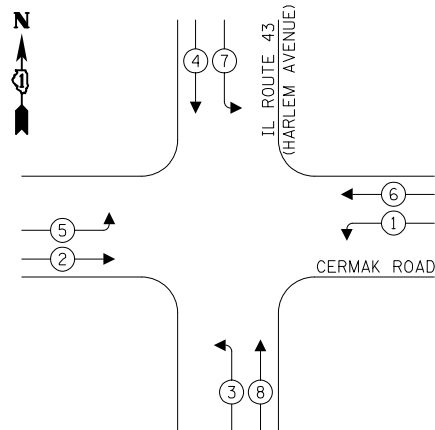
TS 2280
ECON 30

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CK'D	
NOTE BOOK	
NO.	

TS SHT NO. 12

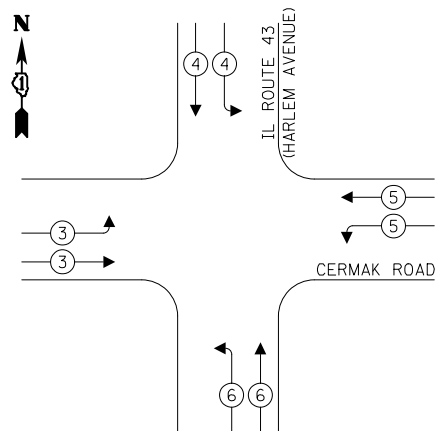
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				503.0

ENERGY COSTS TO:

CITY OF BERWYN
6700 W. 26TH STREET
BERWYN, IL 60402

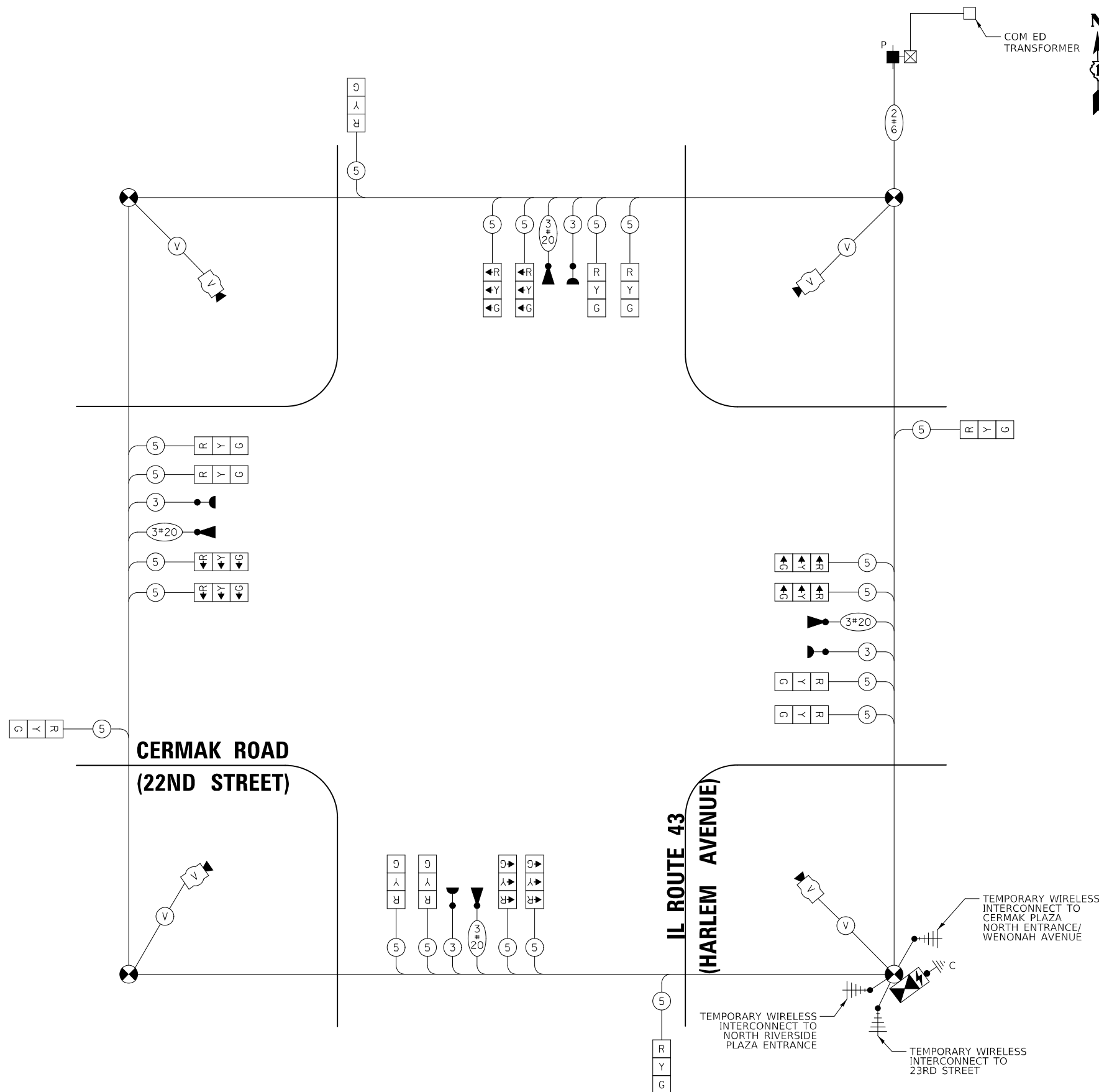
ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (224) 254-4279
COMPANY: COMED
ACCOUNT NUMBER: 89330-06009

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - LEP	REVISED - 1/26/2024
DRAWN - LEP	REVISED -
CHECKED - JJE	REVISED -
DATE - 5/2/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY CABLE PLAN
(NOT TO SCALE)



**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 43 (HARLEM AVENUE) AND CERMAK ROAD (22ND STREET)**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	67
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

**TS 2280
ECON 30**

NOTES:

1. STATIONS AND OFFSETS ARE IN REFERENCE TO IL ROUTE 43 CENTERLINE UNLESS OTHERWISE NOTED.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
3. ALL COMBINATION MAST ARM ASSEMBLIES AND POLES SHALL INCLUDE TWO 15-FOOT LUMINAIRE ARMS AT A HEIGHT OF 40 FEET AS SHOWN IN THE PLANS.
4. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.

**LEFT ON GREEN
ARROW
ONLY**

Ⓐ
R10-5
30" X 36"
SIGN PANEL
TYPE 1
8 REQUIRED

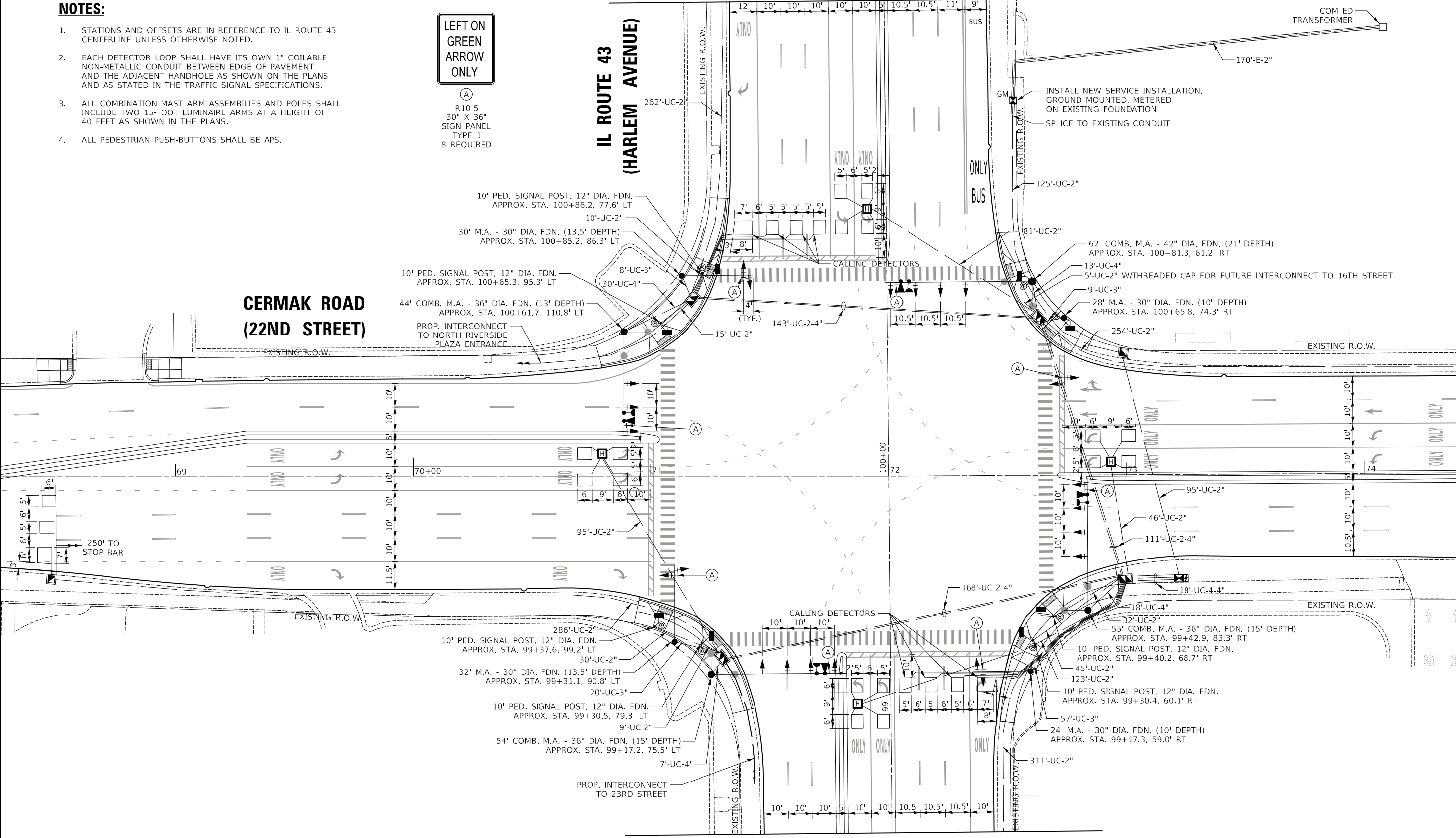
MATCH LINE STA 102+00
SEE SHEET 2 OF 2



DATE	
BY	
PLAN	
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NOTE BOOK	
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PROFILE	
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PLOTTED	
CHECKED	
DATE	
BY	
NOTE BOOK	
NO.	
STRUCTURE NOTATIONS	

TS SHT NO. 13



MATCH LINE STA 98+50
SEE SHEET 2 OF 2

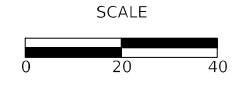
MATCH LINE STA 74+40
SEE SHEET 2 OF 2



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CHECKED	-	JJE	REVISED	-	
DATE	-	5/2/2022	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND CERMAK ROAD (22ND STREET)

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	68
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

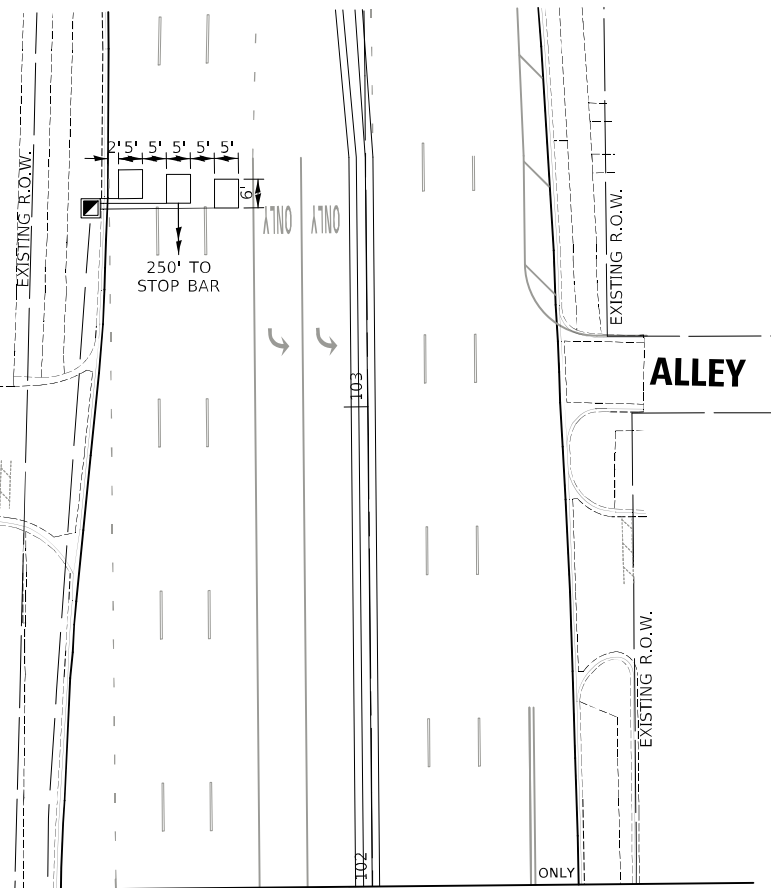
**TS 2280
ECON 30**

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS CP'KD		

TS SHT NO. 14

IL ROUTE 43
(HARLEM AVENUE)

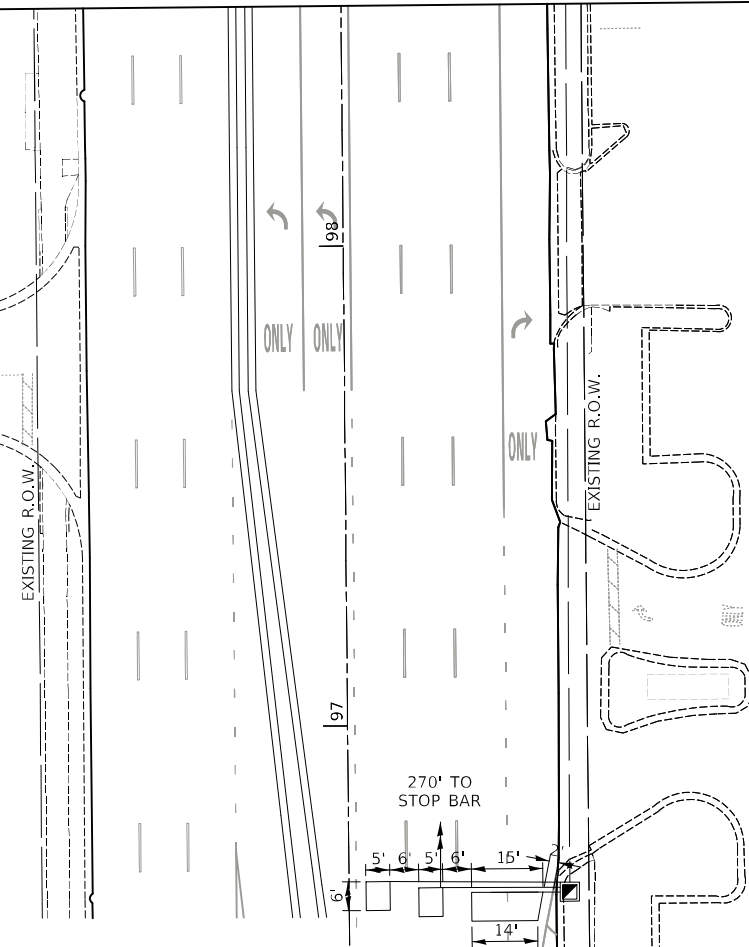


MATCH LINE STA 102+00
SEE SHEET 1 OF 2

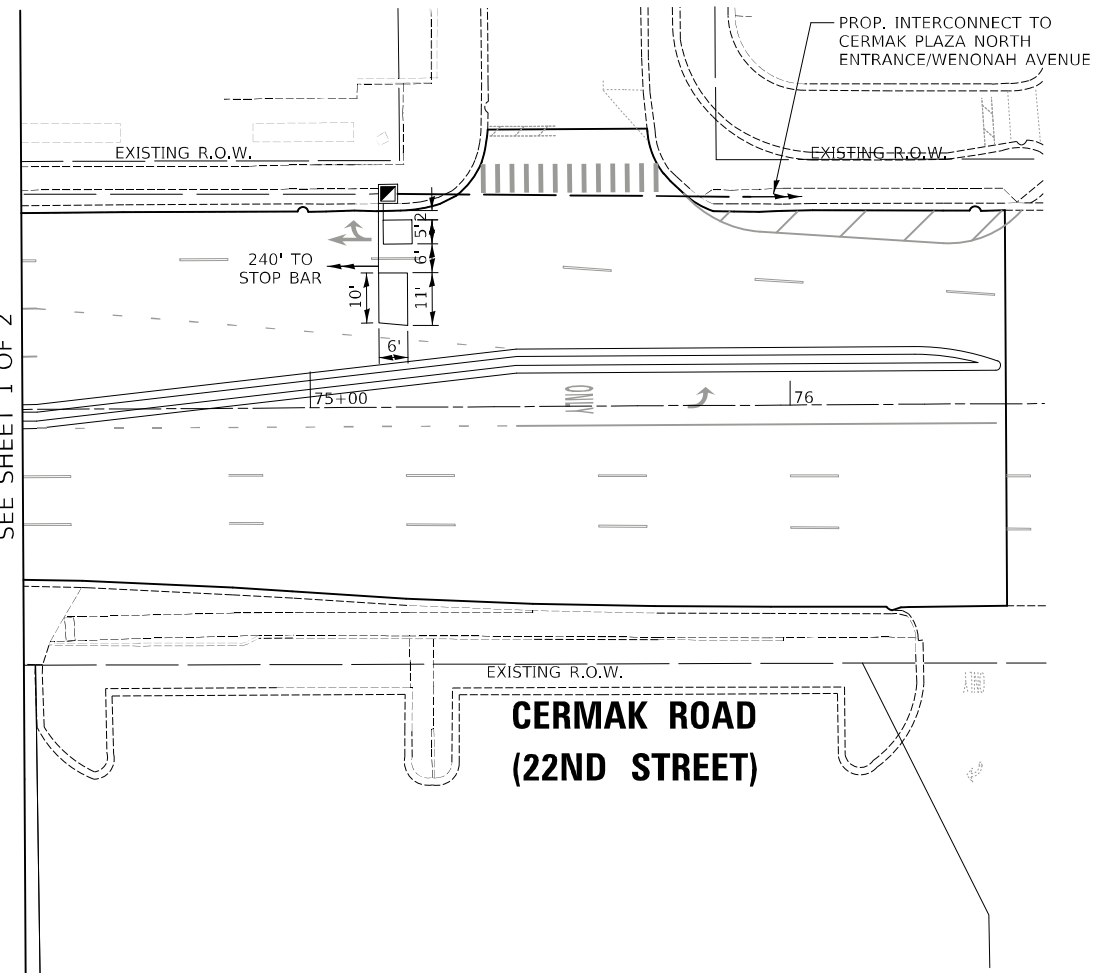
ALLEY

MATCH LINE STA 98+50
SEE SHEET 1 OF 2

IL ROUTE 43
(HARLEM AVENUE)



MATCH LINE STA 74+40
SEE SHEET 1 OF 2



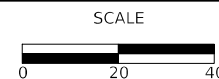
CERMAK ROAD
(22ND STREET)



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DRAWN	-	LEP	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	5/2/2022	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND CERMAK ROAD (22ND STREET)

SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	69
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

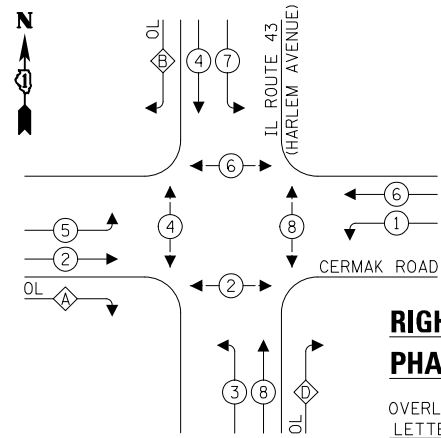
TS 2280
ECON 30

DATE	
BY	
PLAN	
NOTE BOOK	
NO.	
STRUCTURE	
INDICATING	
CHK'D	
DATE	
BY	
PROFILE	
NOTE BOOK	
NO.	
STRUCTURE	
INDICATING	
CHK'D	

DATE	
BY	
PROFILE	
NOTE BOOK	
NO.	
STRUCTURE	
INDICATING	
CHK'D	

TS SHT NO. 15

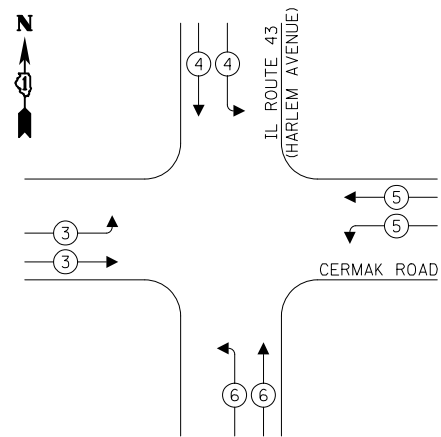
PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
D	= 8	+ 1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

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

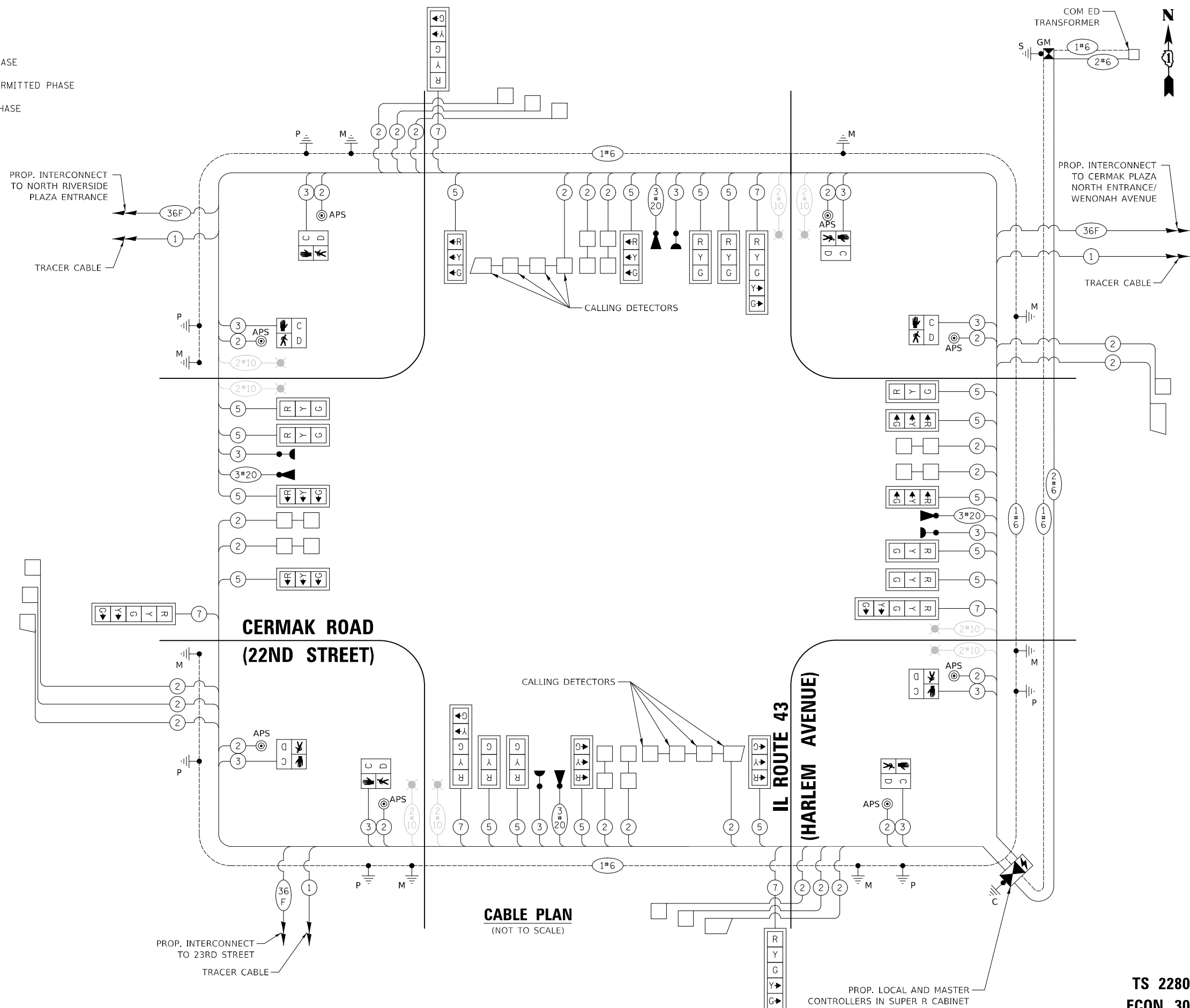
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	23	11	50	126.5
(YELLOW)	23	20	5	23.0
(GREEN)	23	12	45	124.2
PROTECTIVE ARROW	12	10	12	14.4
PED. SIGNAL	8	20	100	160.0
CONTROLLER	2	100	100	200.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	8	250	50	1000.0
TOTAL =				1673.1

ENERGY COSTS TO:

CITY OF BERWYN
6700 W. 26TH STREET
BERWYN, IL 60402

ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (224) 254-4279
COMPANY: COMED
ACCOUNT NUMBER: 53230-22014



CABLE PLAN
(NOT TO SCALE)

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
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DRAWN - LEP	REVISED -
CHECKED - JJE	REVISED -
DATE - 5/2/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCES
IL ROUTE 43 (HARLEM AVENUE) AND CERMAK ROAD (22ND STREET)

F.A.P. RTE. 348	SECTION 2019-077-TS&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 70
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

TS 2280
ECON 30



LEFT ON
GREEN
ARROW
ONLY

(A)
R10-5
30" X 36"
SIGN PANEL
TYPE 1
2 REQUIRED

NOTES:

- STATIONS AND OFFSETS ARE IN REFERENCE TO IL ROUTE 43 CENTERLINE UNLESS OTHERWISE NOTED.

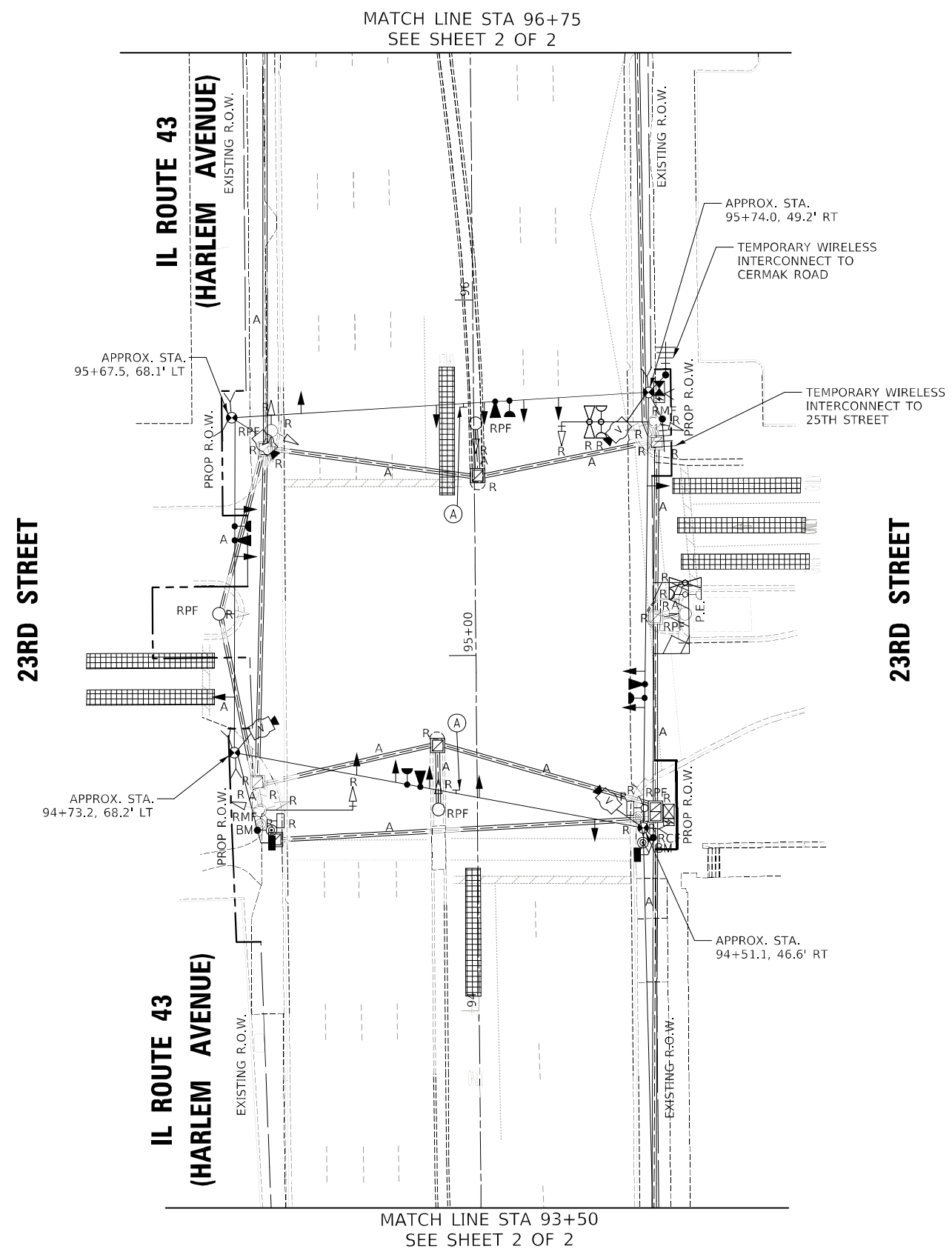
REMOVAL NOTES:

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.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 1 EACH UNINTERRUPTABLE POWER SUPPLY
- 2 EACH ALUMINUM MAST ARM ASSEMBLY POLE
- 6 EACH TRAFFIC SIGNAL POST
- 14 EACH 3-SECTION SIGNAL HEAD
- 4 EACH 5-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PUSH BUTTONS
- 2 EACH SIGNAL BACKPLATES
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF NORTH RIVERSIDE. THE CONTRACTOR SHALL ARRANGE FOR THE PICKUP OF THE EQUIPMENT BY THE VILLAGE AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER



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

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

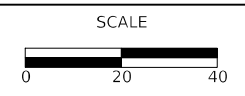
TS SHT NO. 17



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CHECKED	-	JJE	REVISED	-	
DATE	-	5/2/2022	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TEMPORARY SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING EQUIPMENT PLAN (SHEET 1 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND 23RD STREET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	72
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

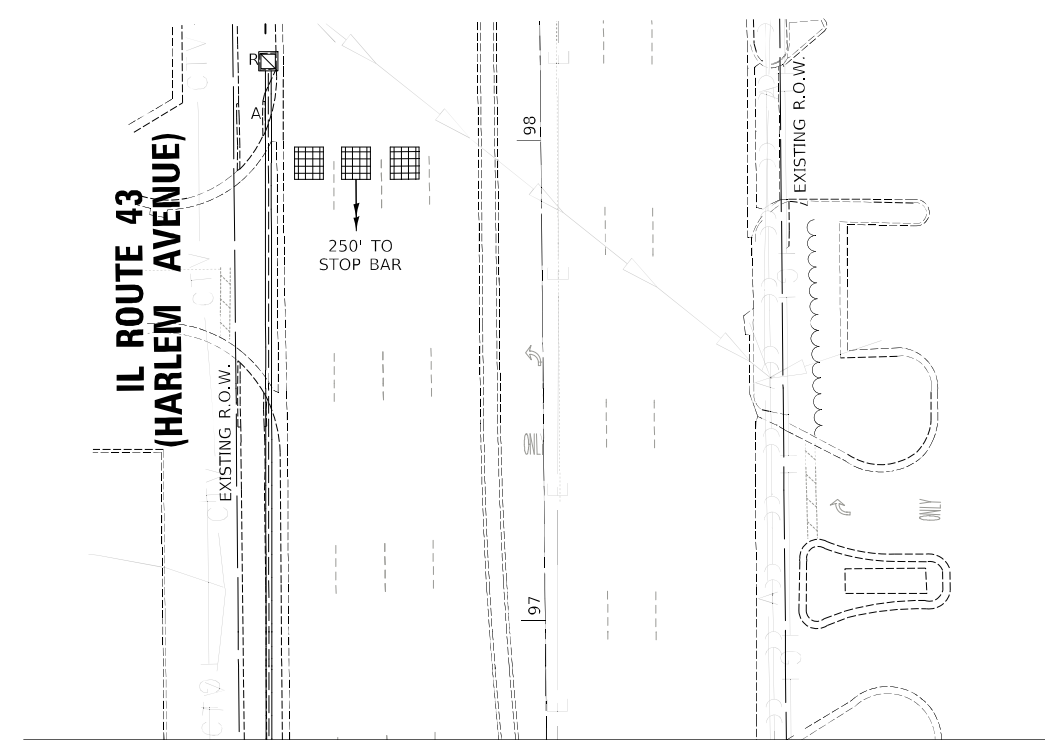
TS 2115
ECON 30



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS CK'D	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS CK'D	

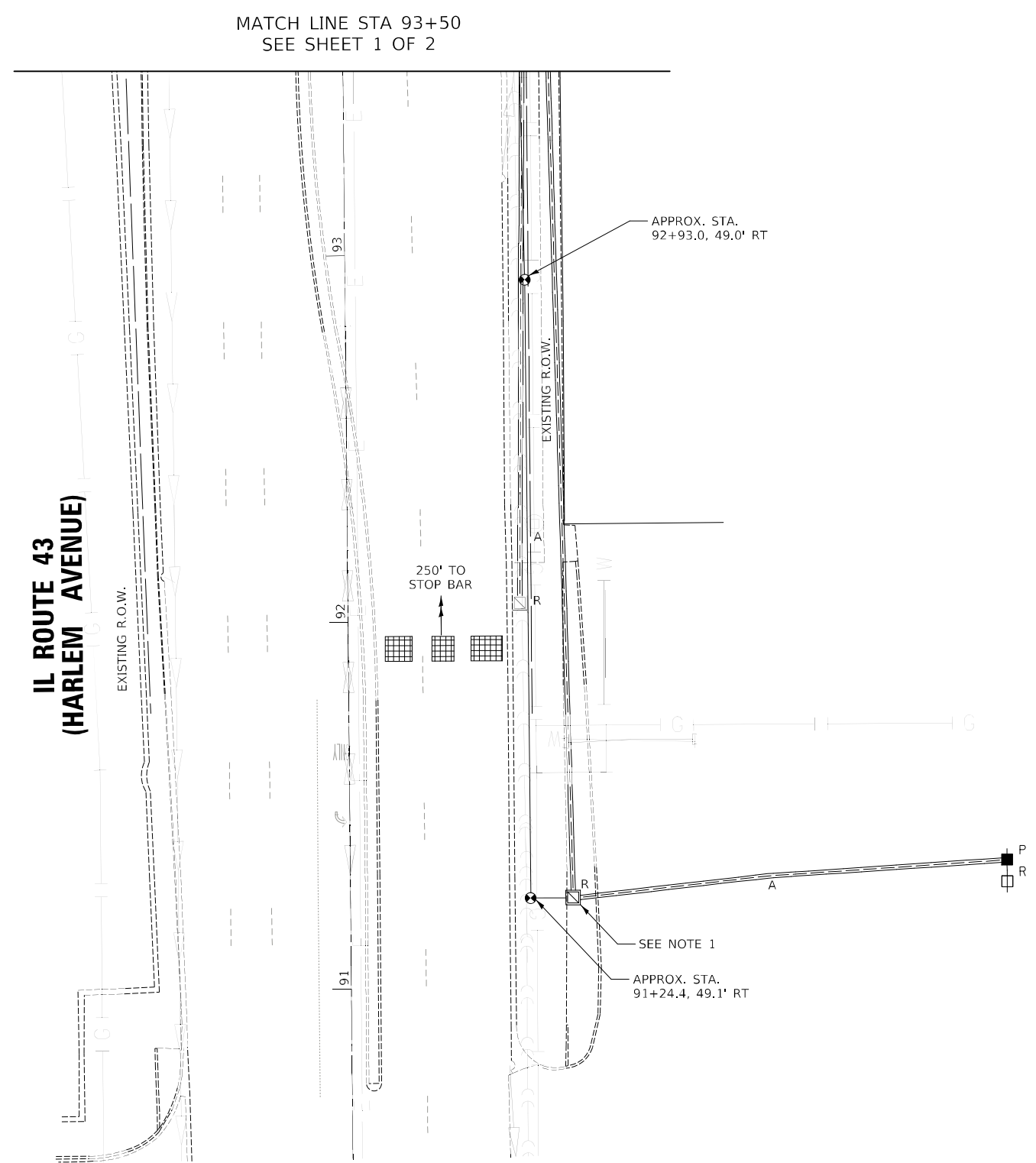
TS SHT NO. 18



MATCH LINE STA 96+75
SEE SHEET 1 OF 2

NOTES:

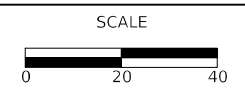
- CONTRACTOR SHALL NOT REMOVE HANDHOLE UNTIL THE PROPOSED SERVICE IS VERIFIED.



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DATE - 5/2/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TEMPORARY SIGNAL INSTALLATION PLAN AND
REMOVAL EXISTING SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND 23RD STREET

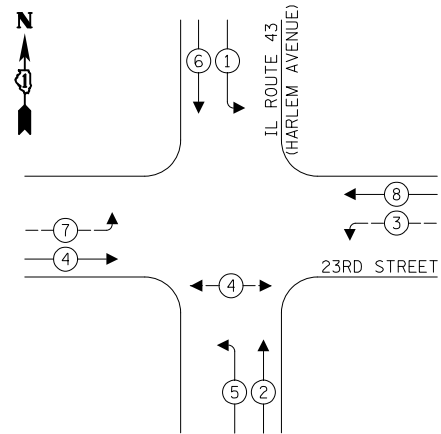
SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	73
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

TS 2115
ECON 30



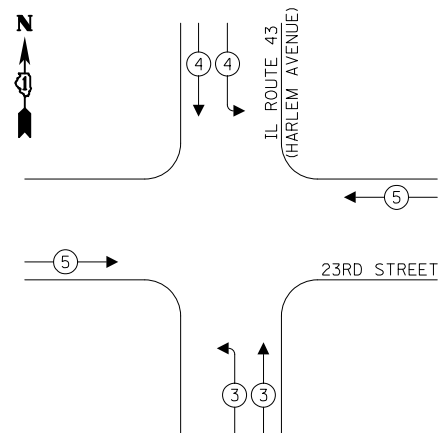
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



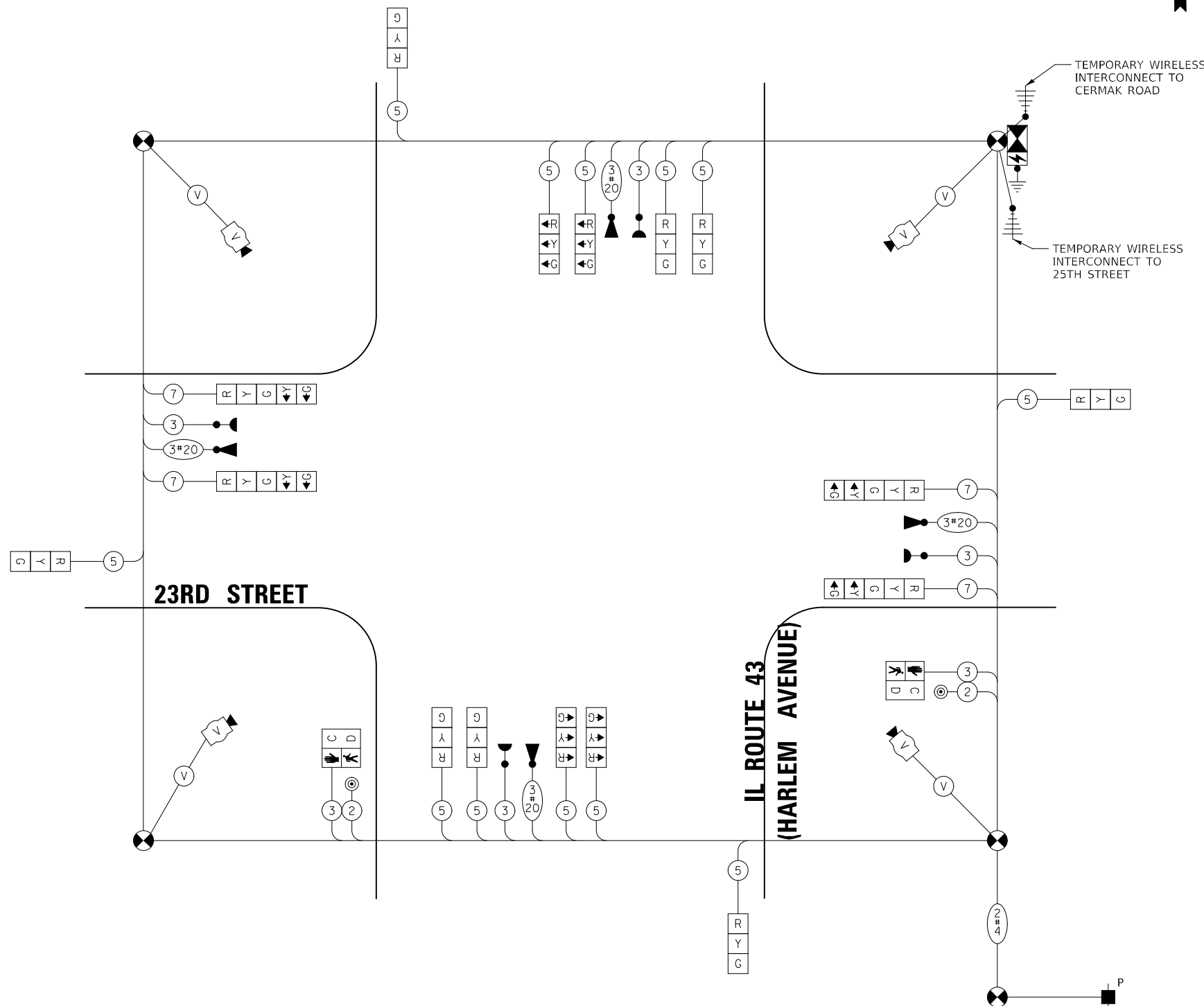
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				513.4

ENERGY COSTS TO:

VILLAGE OF NORTH RIVERSIDE
2401 S. DES PLAINES AVENUE
NORTH RIVERSIDE, IL 60546

ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (224) 254-4279
COMPANY: COMED
ACCOUNT NUMBER: 02167-16004



TEMPORARY CABLE PLAN
(NOT TO SCALE)

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

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

TS SHT NO. 19

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 43 (HARLEM AVENUE) AND 23RD STREET

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	74
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

TS 2115
ECON 30

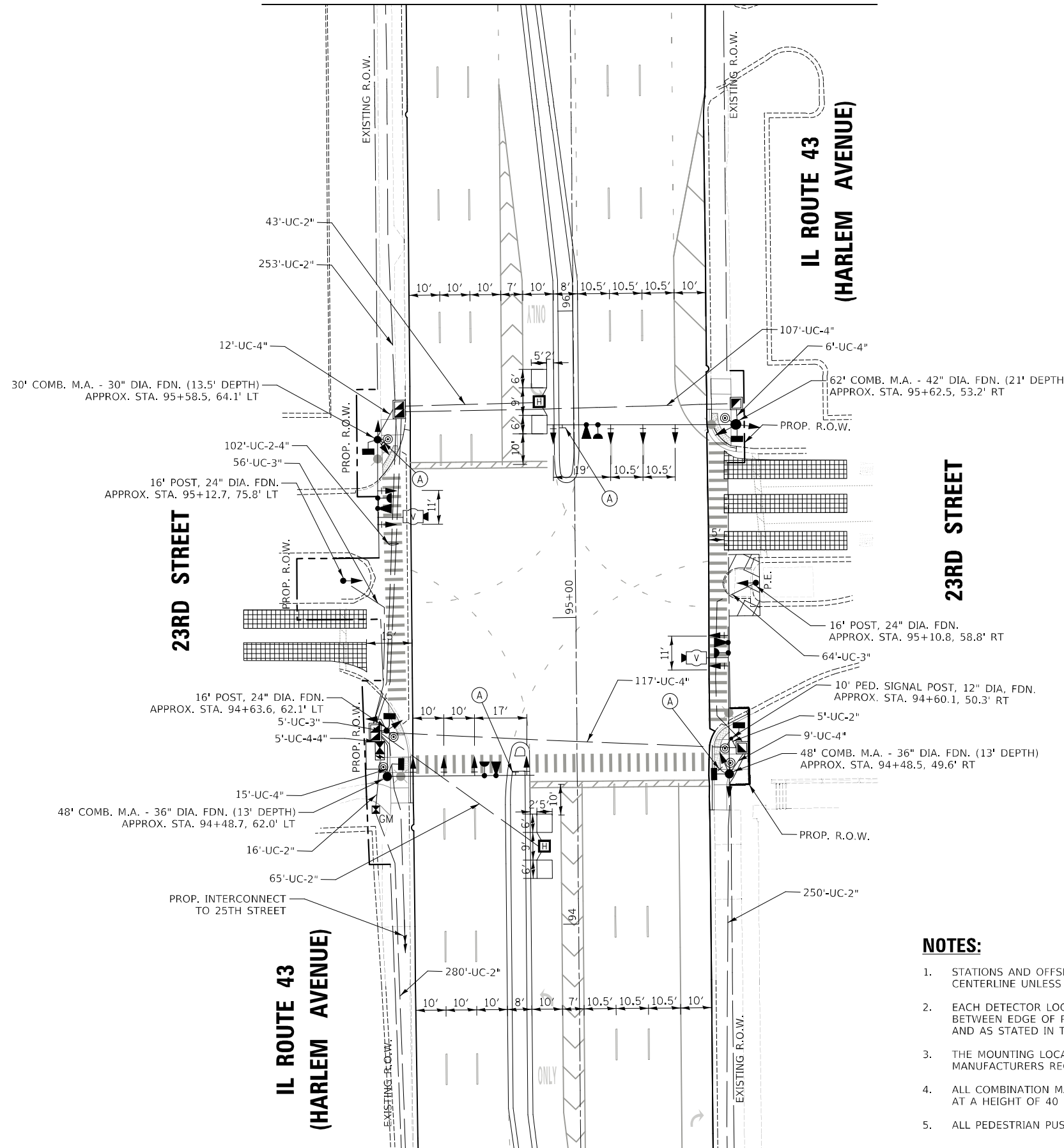
MATCH LINE STA 97+00
SEE SHEET 2 OF 2

MATCH LINE STA 93+25
SEE SHEET 2 OF 2

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NOTE BOOK	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NOTE BOOK	
	NO.	
	FILE NAME	

TS SHT NO. 20



LEFT ON GREEN ARROW ONLY

Ⓐ
R10-5
30" X 36"
SIGN PANEL
TYPE 1
4 REQUIRED



NOTES:

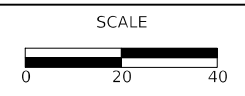
1. STATIONS AND OFFSETS ARE IN REFERENCE TO IL ROUTE 43 CENTERLINE UNLESS OTHERWISE NOTED.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
3. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURERS RECOMMENDATIONS.
4. ALL COMBINATION MAST ARM ASSEMBLIES AND POLES SHALL INCLUDE A 15-FOOT LUMINAIRE ARM AT A HEIGHT OF 40 FEET AS SHOWN IN THE PLANS.
5. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND 23RD STREET**

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	75
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

**TS 2115
ECON 30**



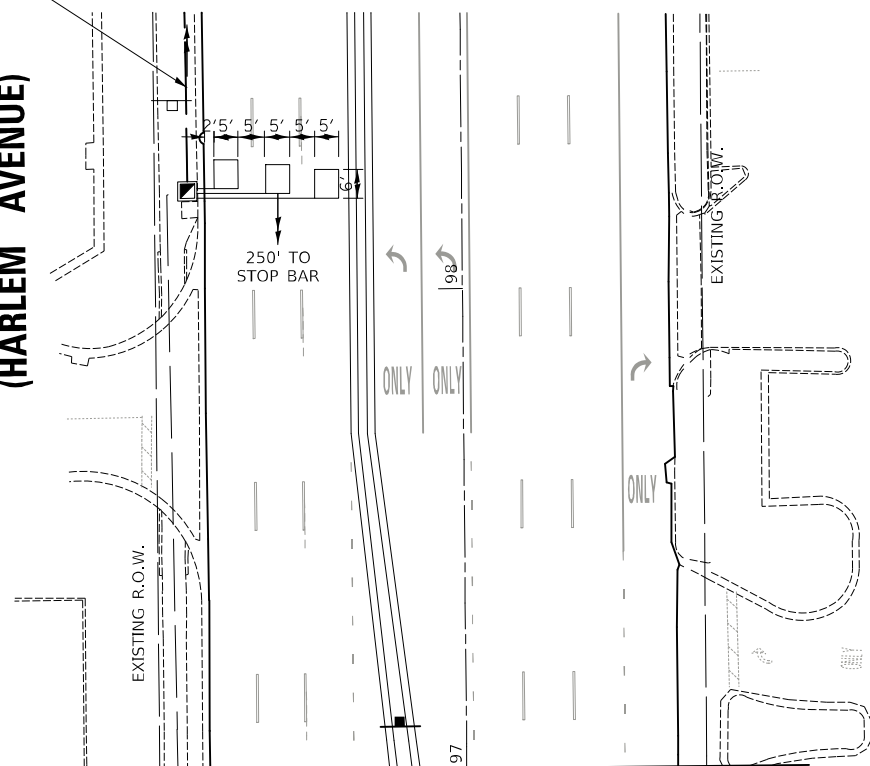
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		
	NOTE BOOK NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CP'KD		
	NOTE BOOK NO.		

TS SHT NO. 21

PROP. INTERCONNECT TO CERMAK ROAD

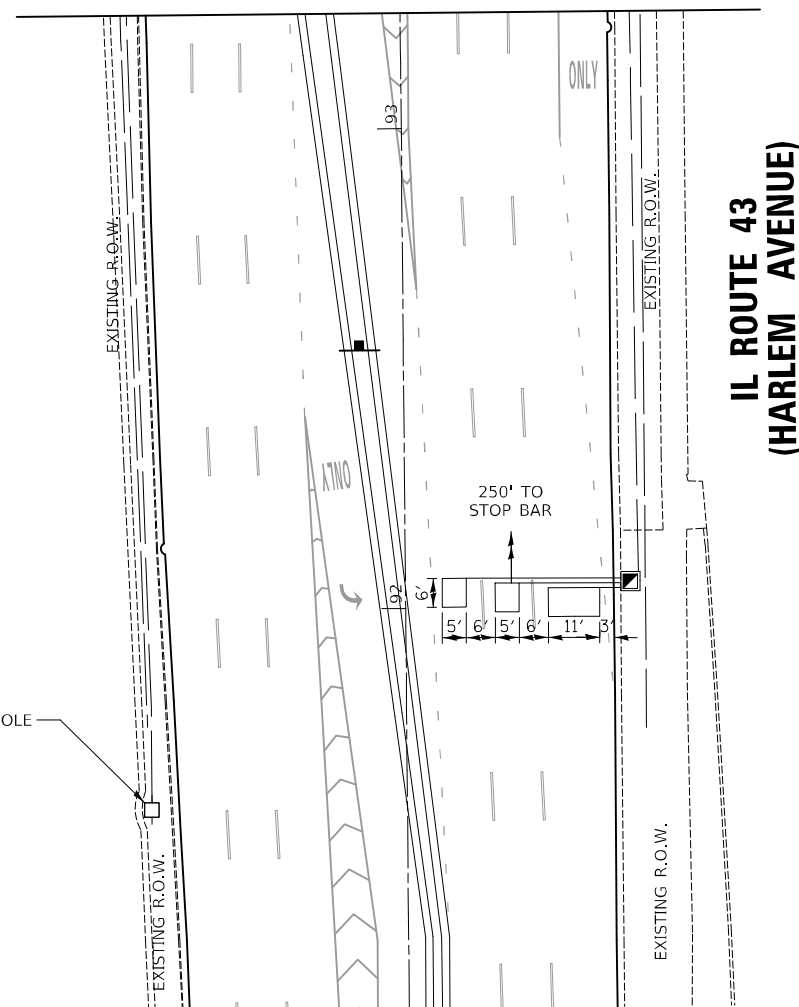
**IL ROUTE 43
(HARLEM AVENUE)**



MATCH LINE STA 97+00
SEE SHEET 1 OF 2

MATCH LINE STA 93+25
SEE SHEET 1 OF 2

EXISTING COMED POLE



**IL ROUTE 43
(HARLEM AVENUE)**



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
IL ROUTE 43 (HARLEM AVENUE) AND 23RD STREET**

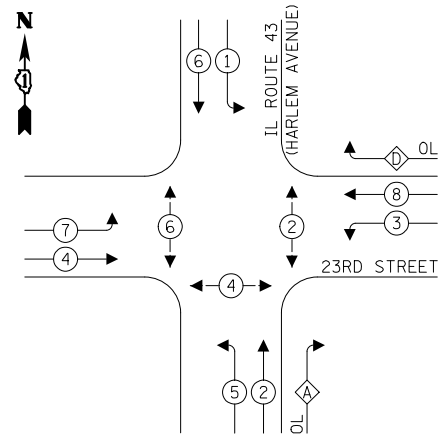
SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	76
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

**TS 2115
ECON 30**



PROPOSED CONTROLLER SEQUENCE



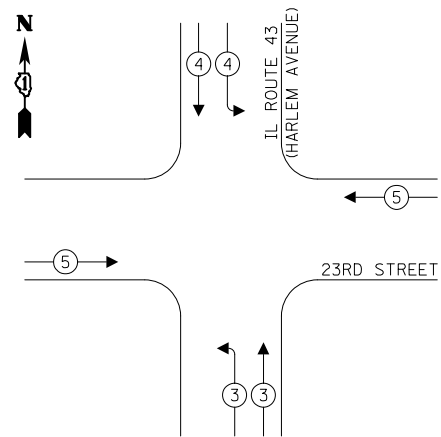
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
D	= 8	+ 1

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



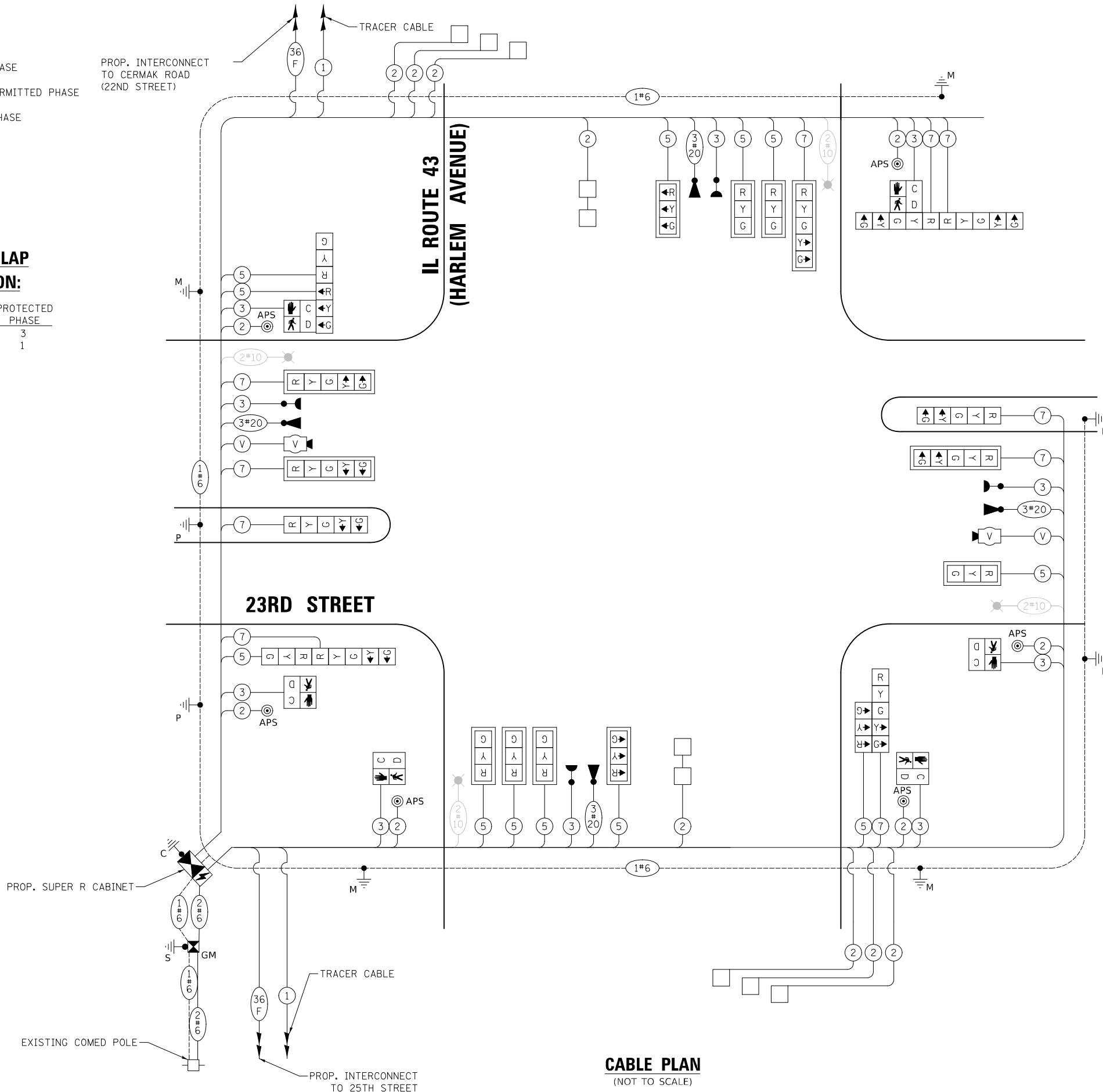
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	22	11	50	121.0
(YELLOW)	22	20	5	22.0
(GREEN)	22	12	45	118.8
PERMISSIVE ARROW	20	10	12	24.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
TOTAL =				1030.8

ENERGY COSTS TO:

VILLAGE OF NORTH RIVERSIDE
2401 S. DES PLAINES AVENUE
NORTH RIVERSIDE, IL 60546

ENERGY SUPPLY: CONTACT: TRACY WASH
PHONE: (224) 254-4279
COMPANY: COMED
ACCOUNT NUMBER: 02167-16004



CABLE PLAN
(NOT TO SCALE)

DATE	
BY	
PLAN	SURVEYED
	NOTED
	PLOTTED
	CHECKED
	RT. OF WAY CHECKED
	FILED
	FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	NOTED
	PLOTTED
	CHECKED
	RT. OF WAY CHECKED
	FILED
	FILE NAME

TS SHT NO. 22

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DATE - 5/2/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCES
IL ROUTE 43 (HARLEM AVENUE) AND 23RD STREET

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	77
CONTRACT NO. 62J47				

ILLINOIS FED. AID PROJECT

TS 2115
ECON 30

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
SIGN PANEL - TYPE 1	SQ FT	42
SIGN PANEL - TYPE 2	SQ FT	28
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	912
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	125
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	490
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	844
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1556
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2099
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2014
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2680
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	334
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1087
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	334
* LIGHT DETECTOR	EACH	4
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	871
FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

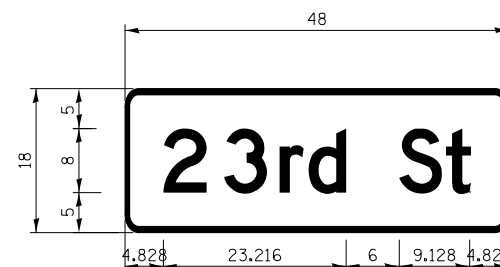
* 100% OF COST TO THE VILLAGE OF NORTH RIVERSIDE

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	13.75	TYPE 2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.00	TYPE 1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

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

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	PRINTED	
	CHECKED	
	B.M. NOTED	
	STRUCTURE INDICATING CP'KD	

TS SHT NO. 23

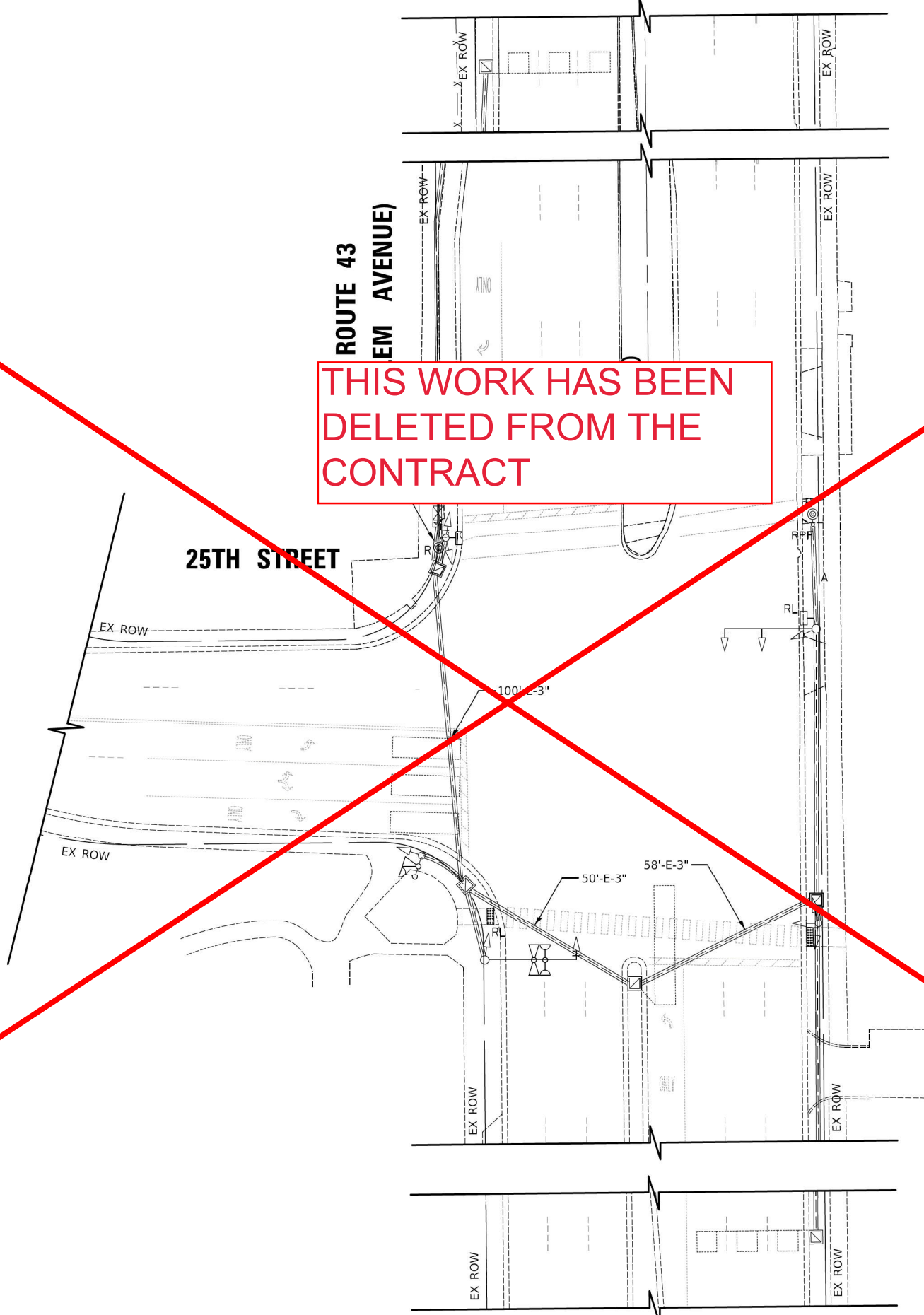
**TS 2115
ECON 30**

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

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

TS SHT NO. 24

THIS WORK HAS BEEN DELETED FROM THE CONTRACT



REMOVAL 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.

- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH PEDESTRIAN SIGNAL POST



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JMG	REVISED -	
DRAWN -	JMG	REVISED -	
CHECKED -	JJE	REVISED -	
DATE -	5/2/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

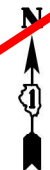


**TRAFFIC SIGNAL REMOVAL PLAN
IL ROUTE 43 (HARLEM AVENUE) AND 25TH STREET**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	171	79
				CONTRACT NO. 6247
ILLINOIS FED. AID PROJECT				

**TS 2120
ECON 30**

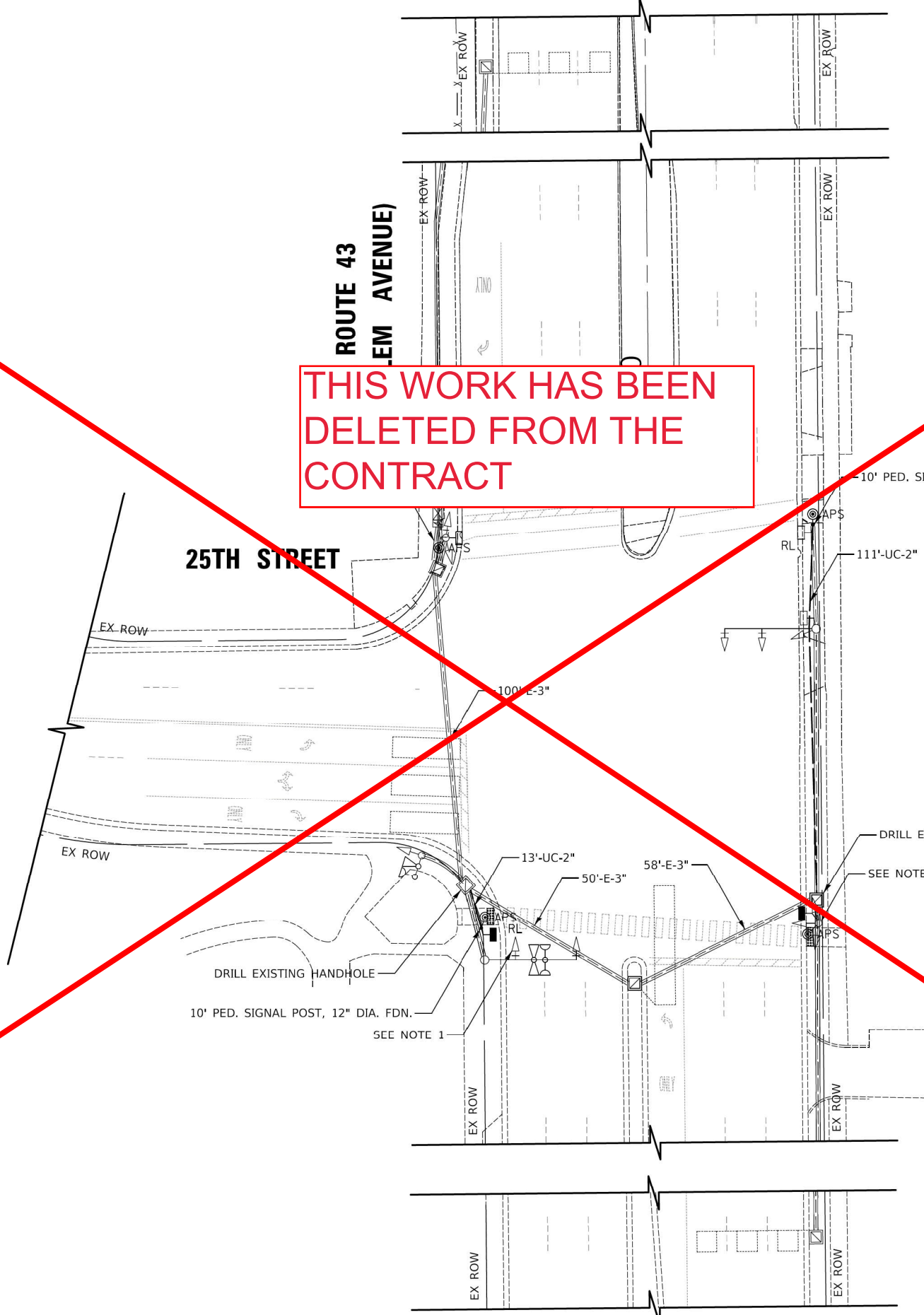


PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

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

TS SHT NO. 25

THIS WORK HAS BEEN DELETED FROM THE CONTRACT



NOTES:

1. RELOCATE EXISTING SIGNAL HEAD TO MAST ARM AND INSTALL NEW BACKPLATE.
2. A PUSH-BUTTON EXTENSION MAY BE NEEDED, AS DIRECTED BY THE ENGINEER. AN EXTENSION, IF REQUIRED, SHALL BE INCLUDED IN THE COST OF "ACCESSIBLE PEDESTRIAN SIGNALS".



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CHECKED -	JJE	REVISED -	
DATE -	5/2/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 43 (HARLEM AVENUE) AND 25TH STREET**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	181	80
				CONTRACT NO. 6247
ILLINOIS FED. AID PROJECT				

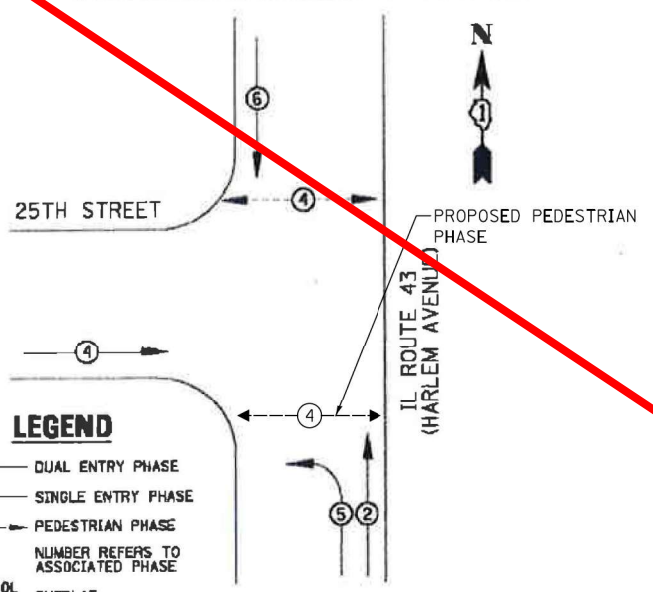
**TS 2120
ECON 30**

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
STRUCTURE	
NO.	

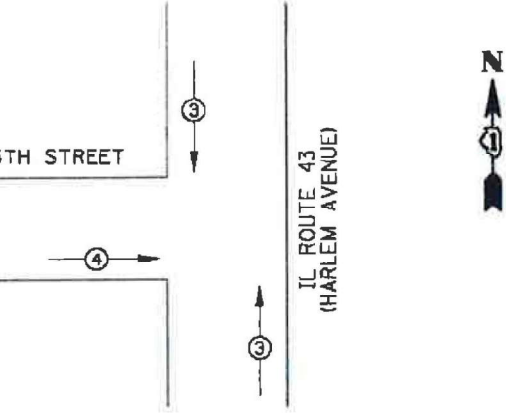
DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
STRUCTURE	
NO.	

TS SHT NO. 26

EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓	↑

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	%OPERATION
SIGNAL (RED)	11	135	17	0.50
(YELLOW)	11	135	25	0.25
(GREEN)	11	135	15	0.25
ARROW	4	135	12	0.10
PED. SIGNAL	2	90	25	1.00
CONTROLLER	1	100	100	1.00
ILLUM. SIGN		84	100	0.10
FLASHER		135		0.50

ENERGY COSTS TO: TOTAL = 358.3 408.3
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, IL 60196-1096
 ENERGY SUPPLY CONTACT: X
 PHONE: X
 COMPANY: X

- ① ADD NEW PEDESTRIAN SIGNAL HEAD AND ACCESSIBLE PEDESTRIAN SIGNAL ON EXISTING SIGNAL POST. A PUSH-BUTTON EXTENSION MAY BE NEEDED, AS DIRECTED BY THE ENGINEER. IF NEEDED, THE EXTENSION SHALL BE INCLUDED IN THE COST OF "ACCESSIBLE PEDESTRIAN SIGNALS".
- ② INSTALL NEW PEDESTRIAN SIGNAL HEAD AND ACCESSIBLE PEDESTRIAN SIGNAL ON NEW 10-FOOT PEDESTRIAN SIGNAL POST. RELOCATE EXISTING SIGNAL HEAD FROM THE MAST ARM POLE SHAFT TO THE MAST ARM AND INSTALL A NEW BACKPLATE.
- ③ REMOVE EXISTING PEDESTRIAN PUSH-BUTTON AND INSTALL NEW ACCESSIBLE PEDESTRIAN SIGNAL. RE-USE EXISTING CABLE.
- ④ REMOVE EXISTING PEDESTRIAN PUSH-BUTTON AND PEDESTRIAN SIGNAL POST. RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD AND INSTALL NEW ACCESSIBLE PEDESTRIAN SIGNAL ON NEW 10-FOOT PEDESTRIAN SIGNAL POST.

THIS WORK HAS BEEN DELETED FROM THE CONTRACT

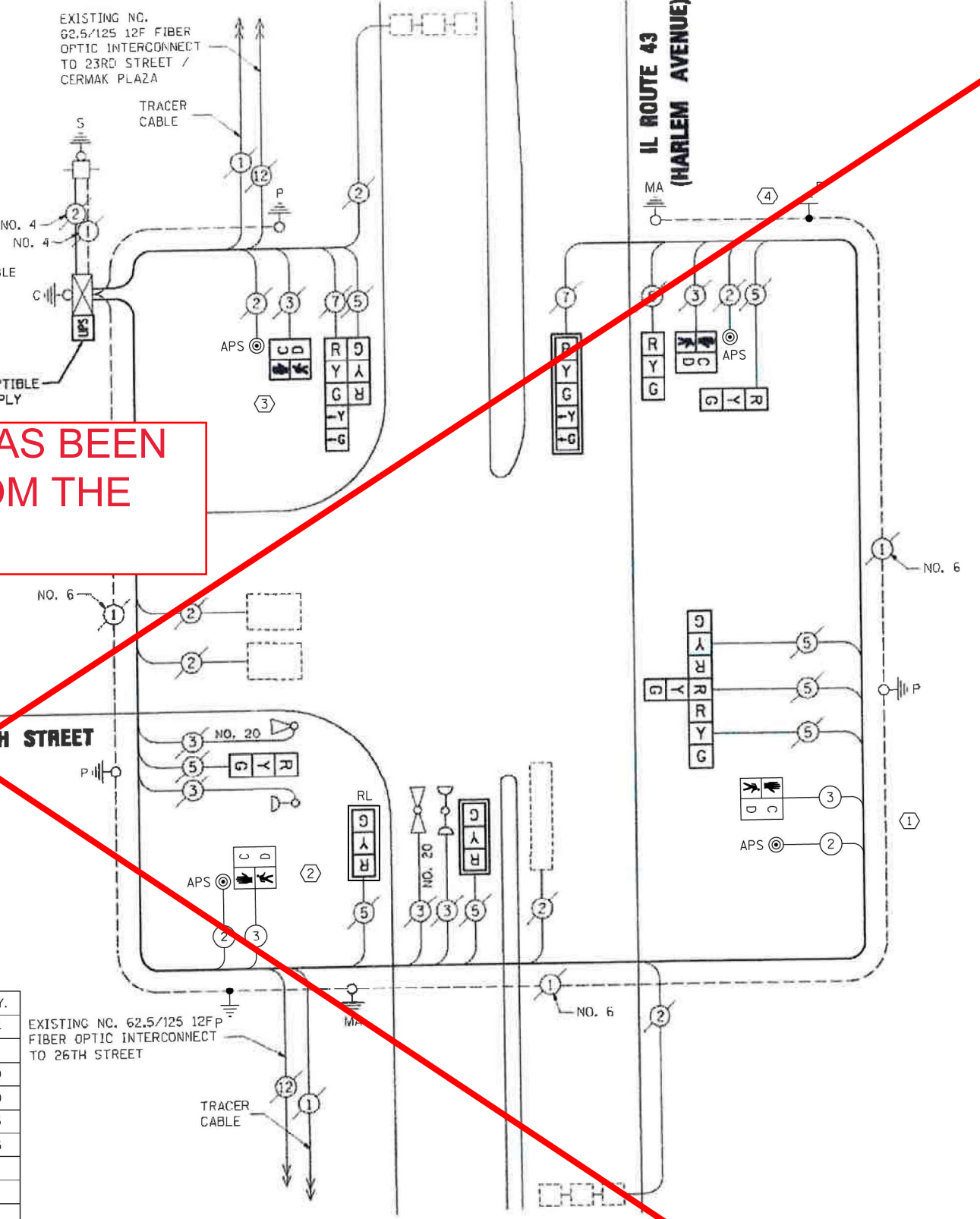


RECORD DRAWINGS
11/16/2015

Date (MM/DD/YYYY)
 Signed *Henry Veceriano*
 Print(First_Last) Henry Veceriano

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	124
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	799
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	820
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	185
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	136
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	896
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8



CABLE PLAN

TS 2120
ECON 30

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	JMG	REVISED -	
DRAWN -	JMG	REVISED -	
CHECKED -	JJE	REVISED -	
DATE -	5/2/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
IL ROUTE 43 (HARLEM AVENUE) AND 25TH STREET**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	1	81
CONTRACT NO. 6247				
ILLINOIS FED. AID PROJECT				

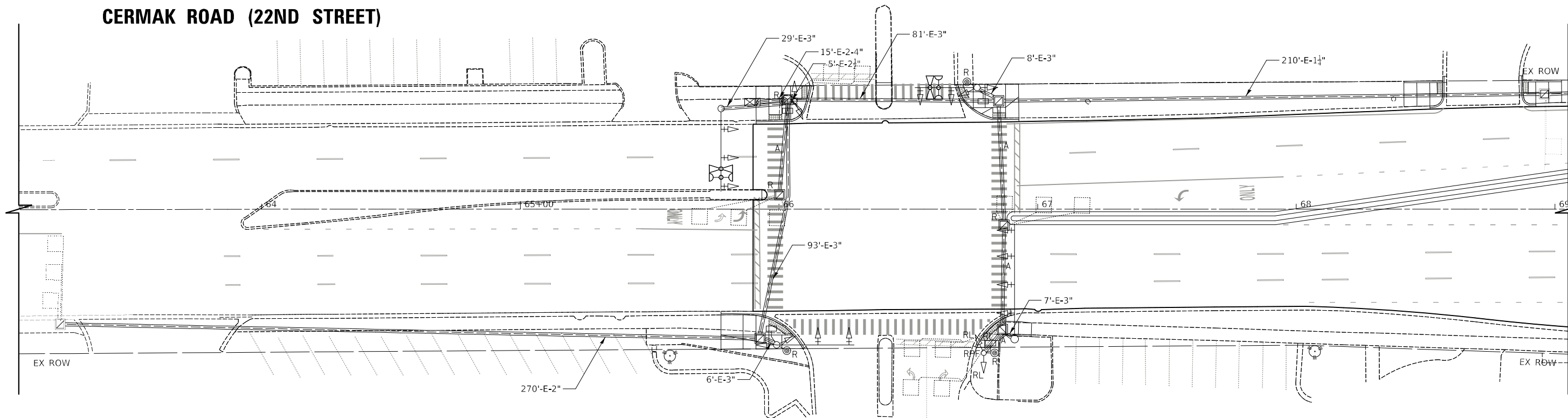
SHEET 1 OF 1 SHEETS STA. TO STA.



PLAN	SURVEYED	DATE
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	BY	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	STRUCTURE NOTATIONS CP'KD	

CERMAK ROAD (22ND STREET)



REMOVAL AND RELOCATION NOTES:

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

- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH TRAFFIC SIGNAL POST

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POST:

- 2 EACH 3-SECTION SIGNAL HEAD
- 1 EACH PEDESTRIAN SIGNAL HEAD

NORTH RIVERSIDE PLAZA

TS SHT NO. 27

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
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DRAWN -	JMG	REVISED -	
CHECKED -	JJE	REVISED -	
DATE -	5/2/2022	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL REMOVAL PLAN
 CERMAK ROAD (22ND STREET) AND NORTH RIVERSIDE PLAZA ENTRANCE**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	82
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

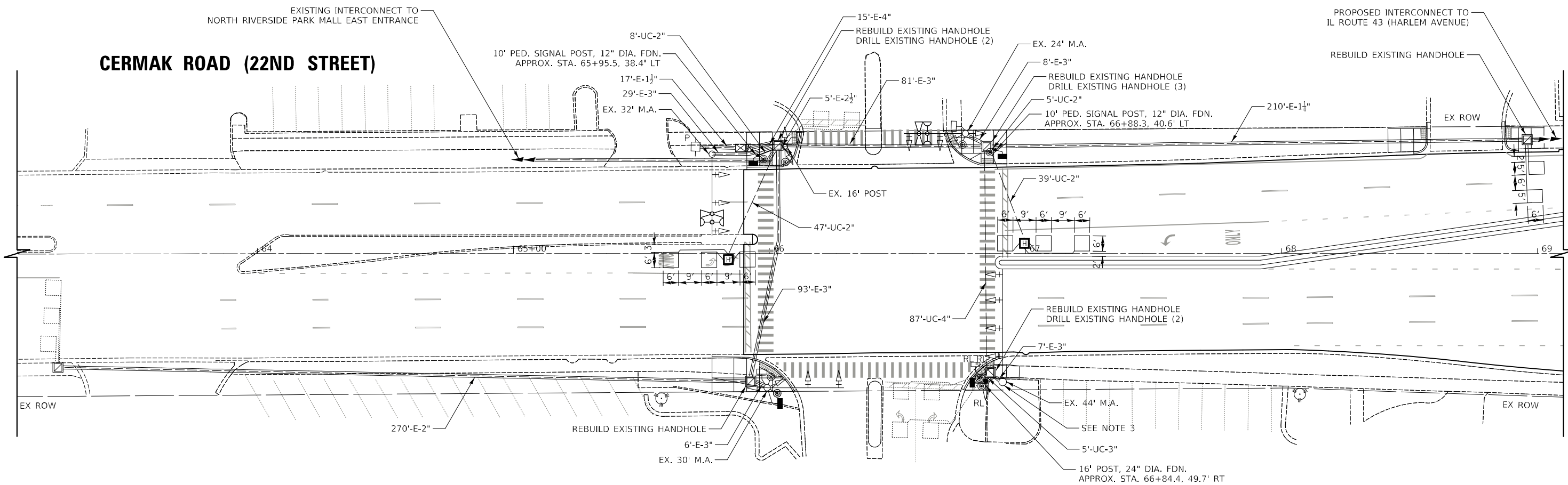
**TS 9360
 ECON 30**



PLAN	SURVEYED	DATE
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	RT. OF WAY CHECKED	
	NO. _____	
	NOTE BOOK	
	NO. _____	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
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	NO. _____	
	NOTE BOOK	
	NO. _____	
	STRUCTURE NOTATIONS	
	CPKD	

TS SHT NO. 28



NOTES:

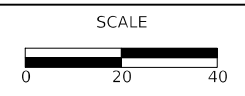
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.
3. THE EXISTING CABLES TO THE MAST ARM ON THE SOUTHEAST QUADRANT AND THE LOOPS ON THE SOUTH APPROACH SHALL BE DISCONNECTED FROM THE CONTROLLER, PULLED BACK TO THE HANDHOLE ON THE SOUTHEAST QUADRANT, REINSTALLED INTO THE PROPOSED AND EXISTING CONDUITS AND RECONNECTED TO THE CONTROLLER.



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DESIGNED	-	JMG	REVISED	-	1/26/2024
DRAWN	-	JMG	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	5/2/2022	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL MODIFICATION PLAN
CERMAK ROAD (22ND STREET) AND NORTH RIVERSIDE PLAZA ENTRANCE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	83
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

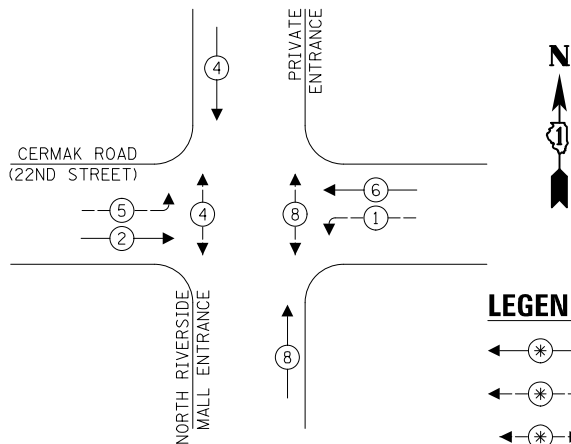
**TS 9360
ECON 30**

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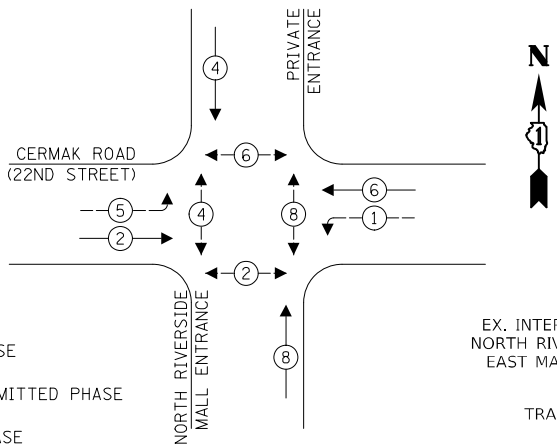
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TS SHT NO. 29

EXISTING CONTROLLER SEQUENCE

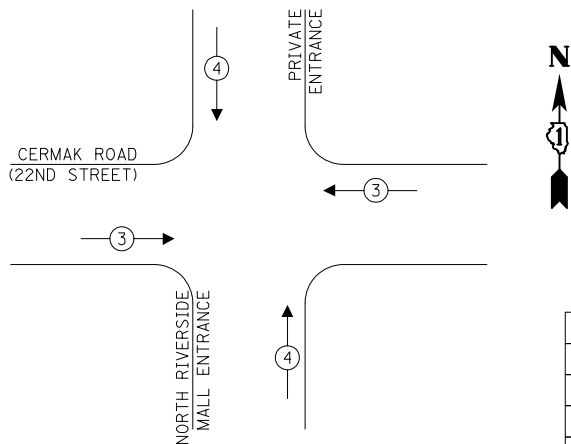


PROPOSED CONTROLLER SEQUENCE



- LEGEND:**
- ← (4) → PROTECTED PHASE
 - ← (6) → PROTECTED/PERMITTED PHASE
 - ← (1) → PEDESTRIAN PHASE
 - ← (8) → OVERLAP

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	99
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	87
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	540
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	568
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	460
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	239
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	126
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	7
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DETECTOR LOOP, TYPE I	FOOT	265
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	594
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1185
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	5
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	19	11	50	104.5
(YELLOW)	19	20	5	19.0
(GREEN)	19	12	45	102.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	-	-	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	185	50	-
TOTAL =				519.1

ENERGY COSTS TO:
 ILLINOIS DEPT OF TRANSPORTATION
 201 W CENTER COURT
 SCHAUMBURG, IL 60196
 ENERGY SUPPLY: CONTACT: XXXXX
 PHONE: XXX-XXX-XXXX
 COMPANY: XXXXX
 ACCOUNT NUMBER: -

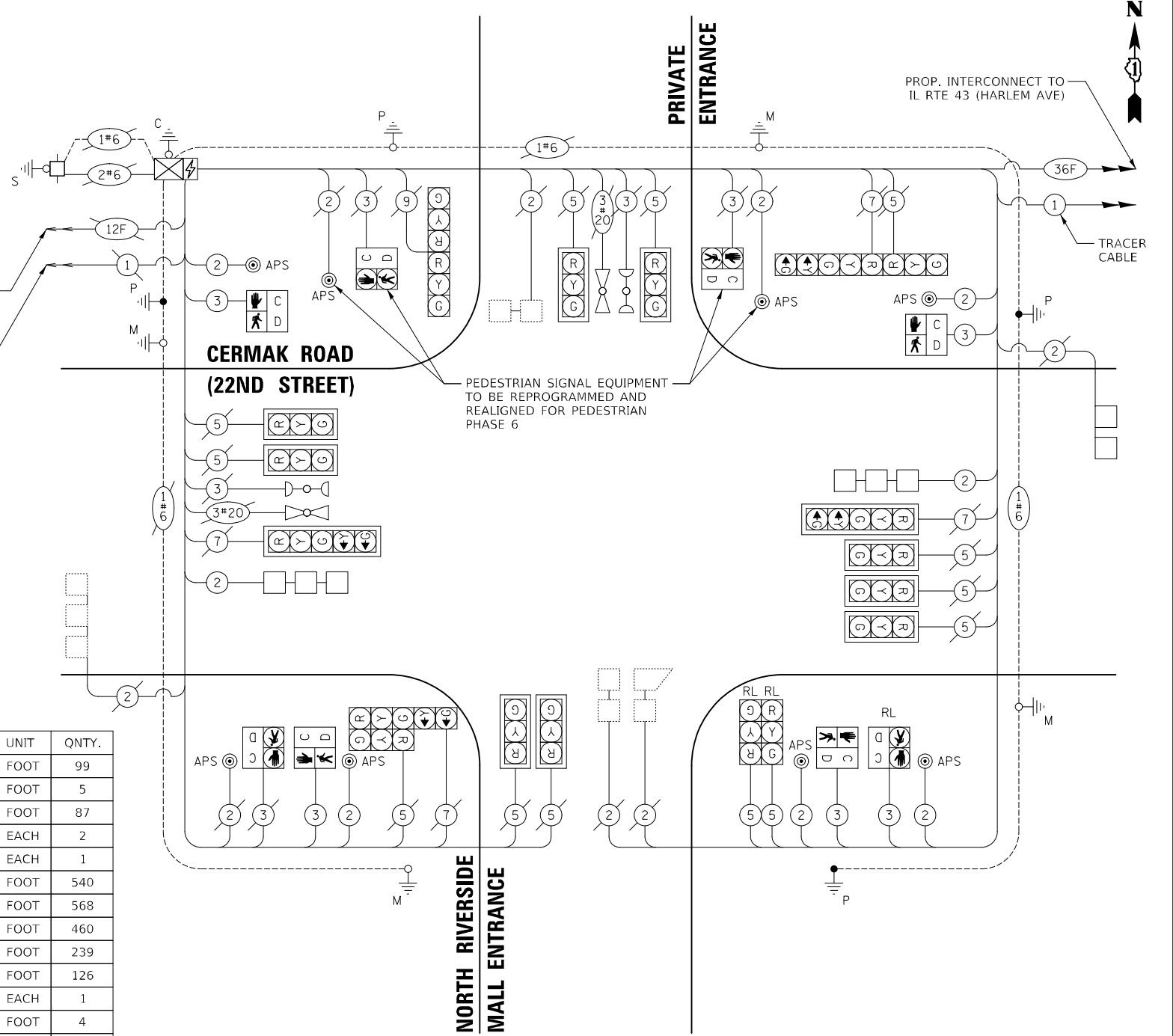
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 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JMG	REVISED - 1/26/2024
DRAWN - JMG	REVISED -
CHECKED - JJE	REVISED -
DATE - 5/2/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 EMERGENCY VEHICLE PREEMPTION SEQUENCE, AND SCHEDULE OF QUANTITIES
 CERMAK ROAD (22ND STREET) AT NORTH RIVERSIDE PLAZA**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	84
CONTRACT NO. 62J47				



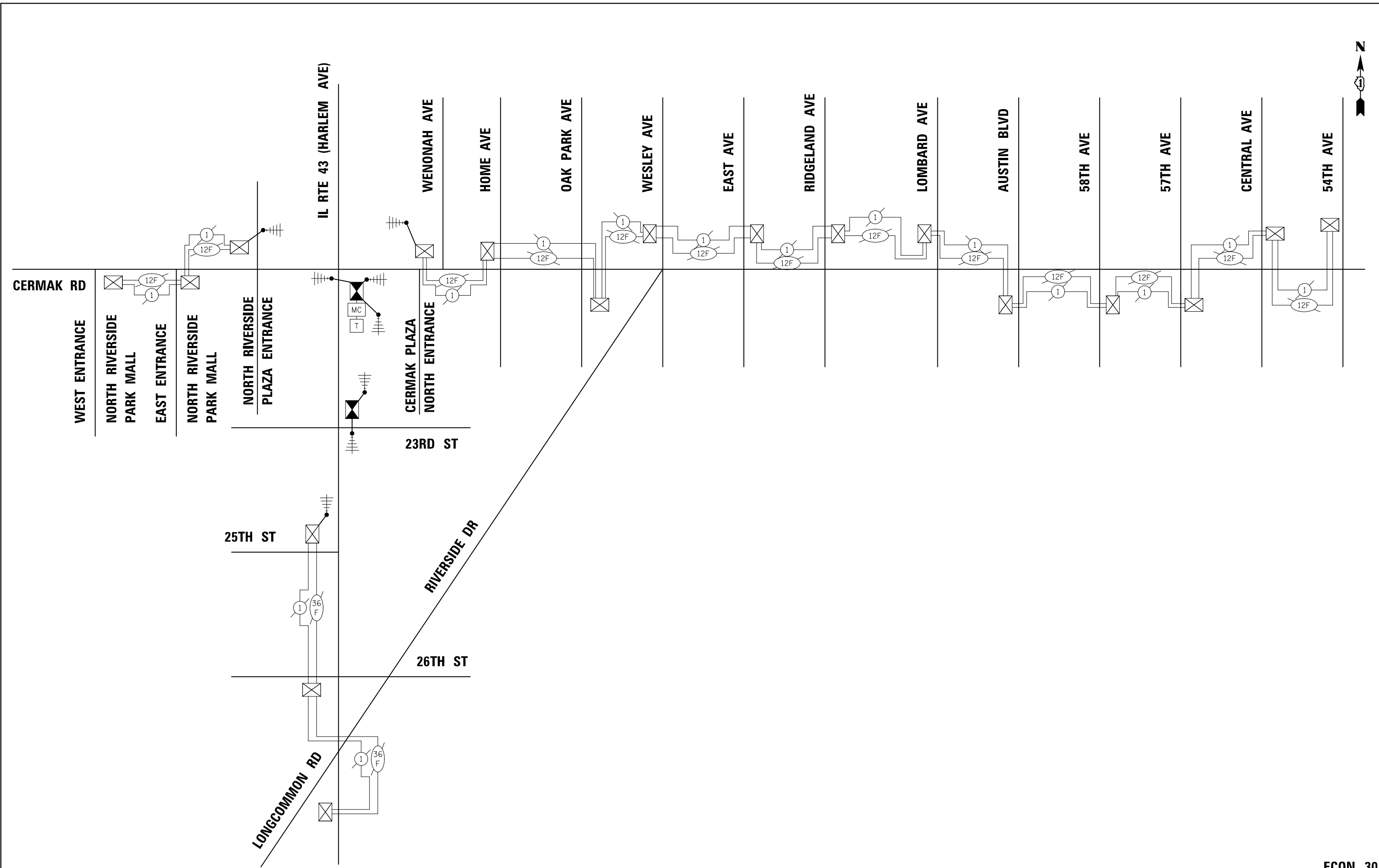
CABLE PLAN
(NOT TO SCALE)

**TS 9360
 ECON 30**

PLAN	SURVEYED	BY	DATE
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	NOTED		
	RT. OF WAY CHECKED		
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	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS CP'KD		
	NO. _____		

TS SHT NO. 30



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Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JMG	REVISED	-	1/26/2024
DRAWN	-	JMG	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	5/2/2022	REVISED	-	

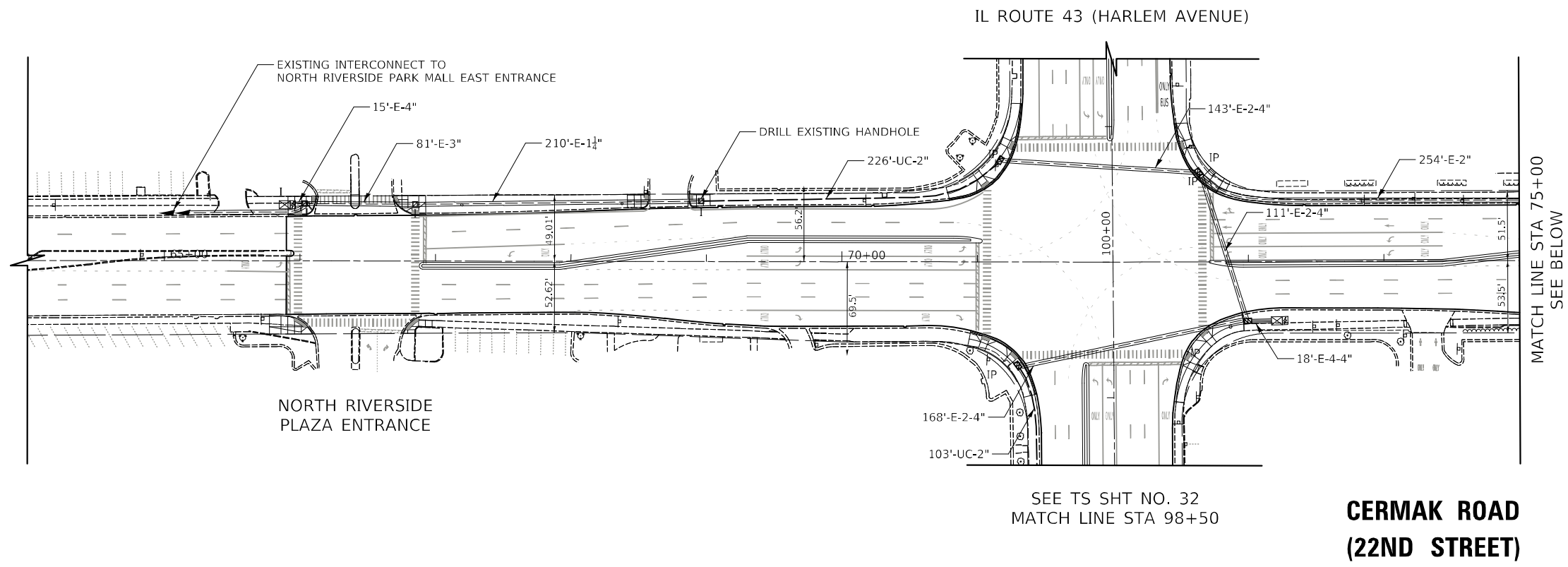
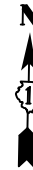
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
CERMAK ROAD - NORTH RIVERSIDE MALL (WEST ENTRANCE) TO 54TH AVENUE
IL ROUTE 43 (HARLEM AVENUE) - RIVERSIDE DRIVE TO CERMAK ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	85
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

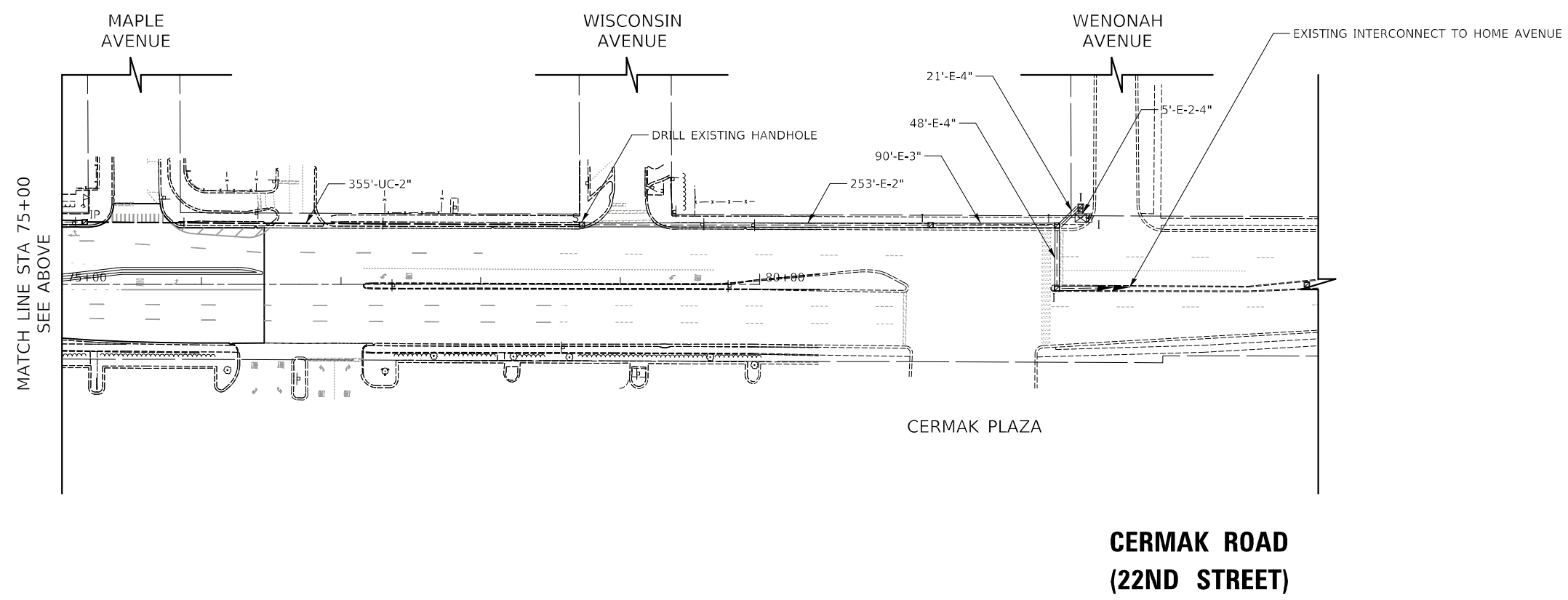
SHEET 1 OF 1 SHEETS STA. TO STA.

ECON 30



SEE TS SHT NO. 32
MATCH LINE STA 98+50

**CERMAL ROAD
(22ND STREET)**



**CERMAL ROAD
(22ND STREET)**

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS	

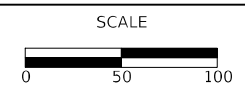
TS SHT NO. 31



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JMG	REVISED -	1/26/2024
DRAWN -	JMG	REVISED -	
CHECKED -	JJE	REVISED -	
DATE -	5/2/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PROPOSED INTERCONNECT PLAN (SHEET 1 OF 2)
CERMAL ROAD (22ND STREET) - NORTH RIVERSIDE PLAZA ENTRANCE TO
CERMAL PLAZA NORTH ENTRANCE /WENONAH AVENUE
SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. TO STA.

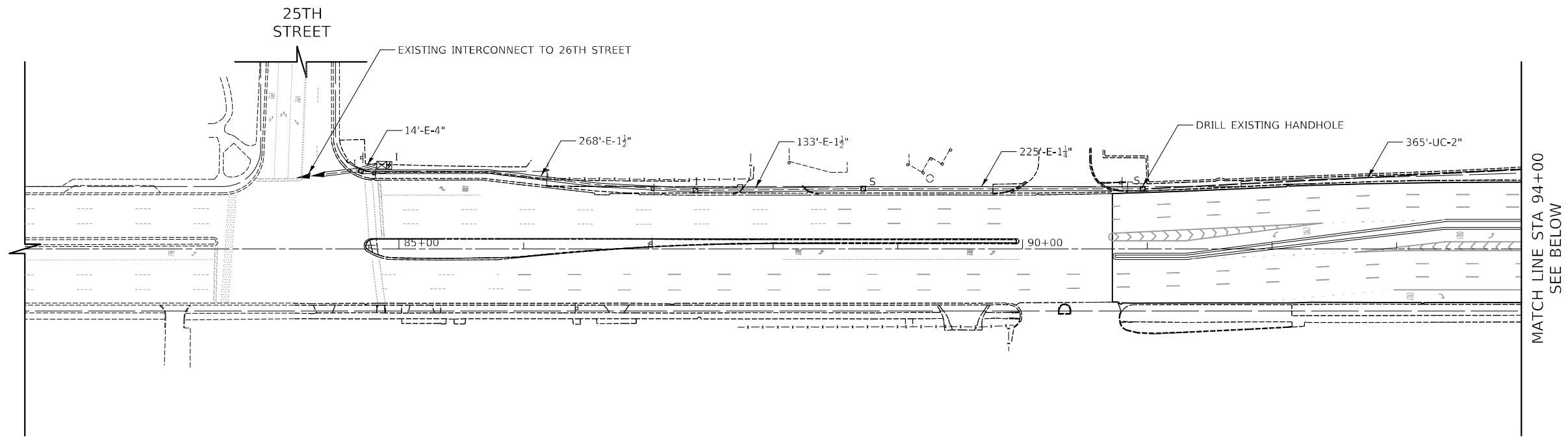
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	86
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

ECON 30

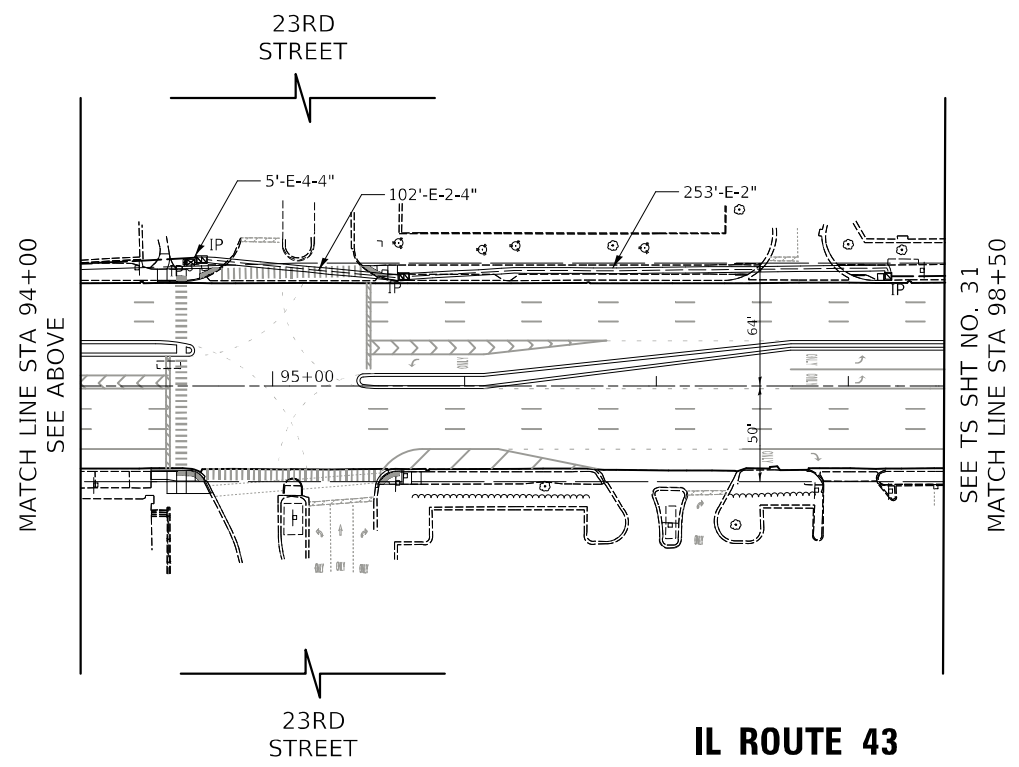
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	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATION	

TS SHT NO. 32



**IL ROUTE 43
(HARLEM AVENUE)**



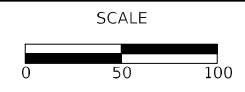
**IL ROUTE 43
(HARLEM AVENUE)**



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JMG	REVISED	-	1/26/2024
DRAWN	-	JMG	REVISED	-	
CHECKED	-	JJE	REVISED	-	
DATE	-	5/2/2022	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PROPOSED INTERCONNECT PLAN (SHEET 2 OF 2)
IL ROUTE 43 (HARLEM AVENUE) - 25TH STREET TO CERMAK ROAD (22ND STREET)
SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. TO STA.

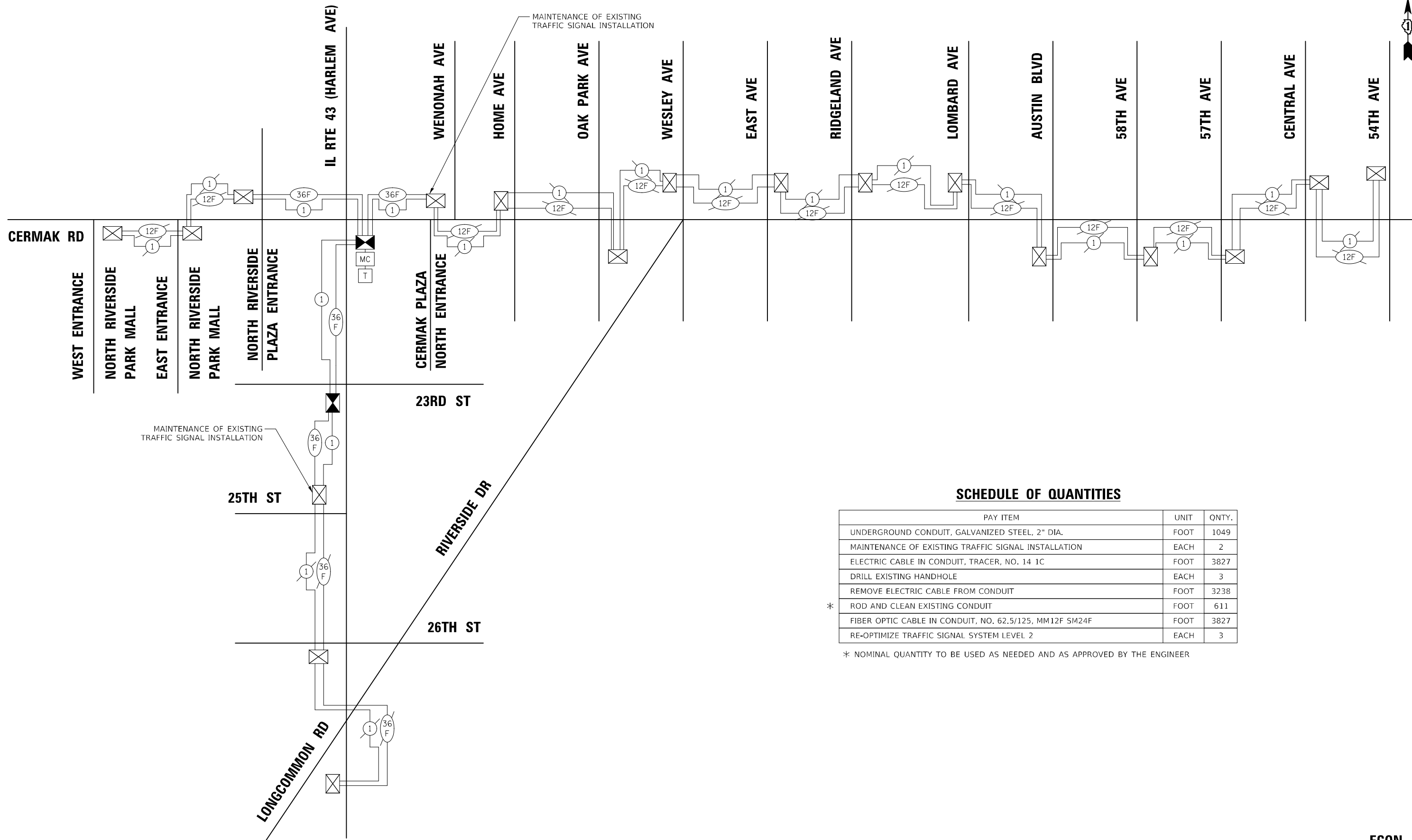
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	87
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

ECON 30

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	RT. OF WAY CHECKED		
	NO. _____		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS CP'KD		
	NO. _____		

TS SHT NO. 33



SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1049
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3827
DRILL EXISTING HANDHOLE	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3238
* ROD AND CLEAN EXISTING CONDUIT	FOOT	611
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3827
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3

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

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JMG	REVISED - 1/26/2024
DRAWN - JMG	REVISED -
CHECKED - JJE	REVISED -
DATE - 5/2/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

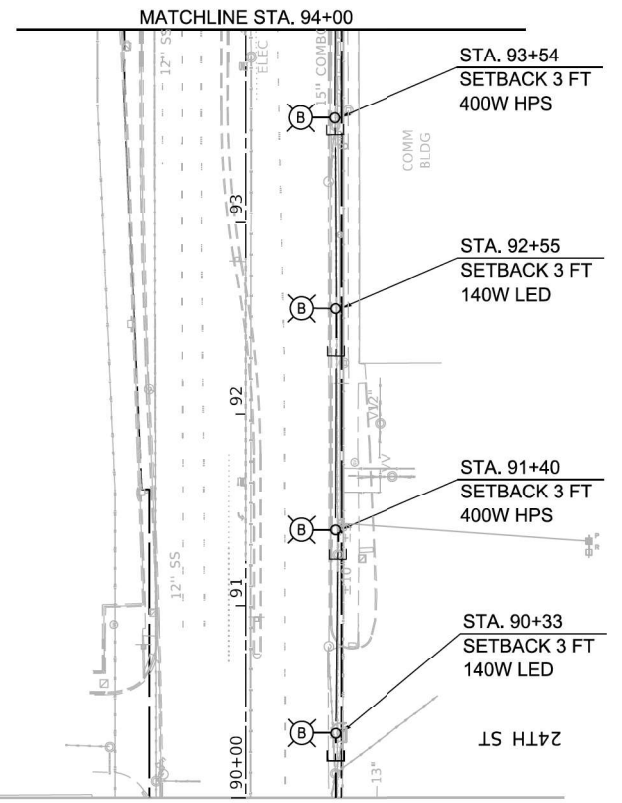
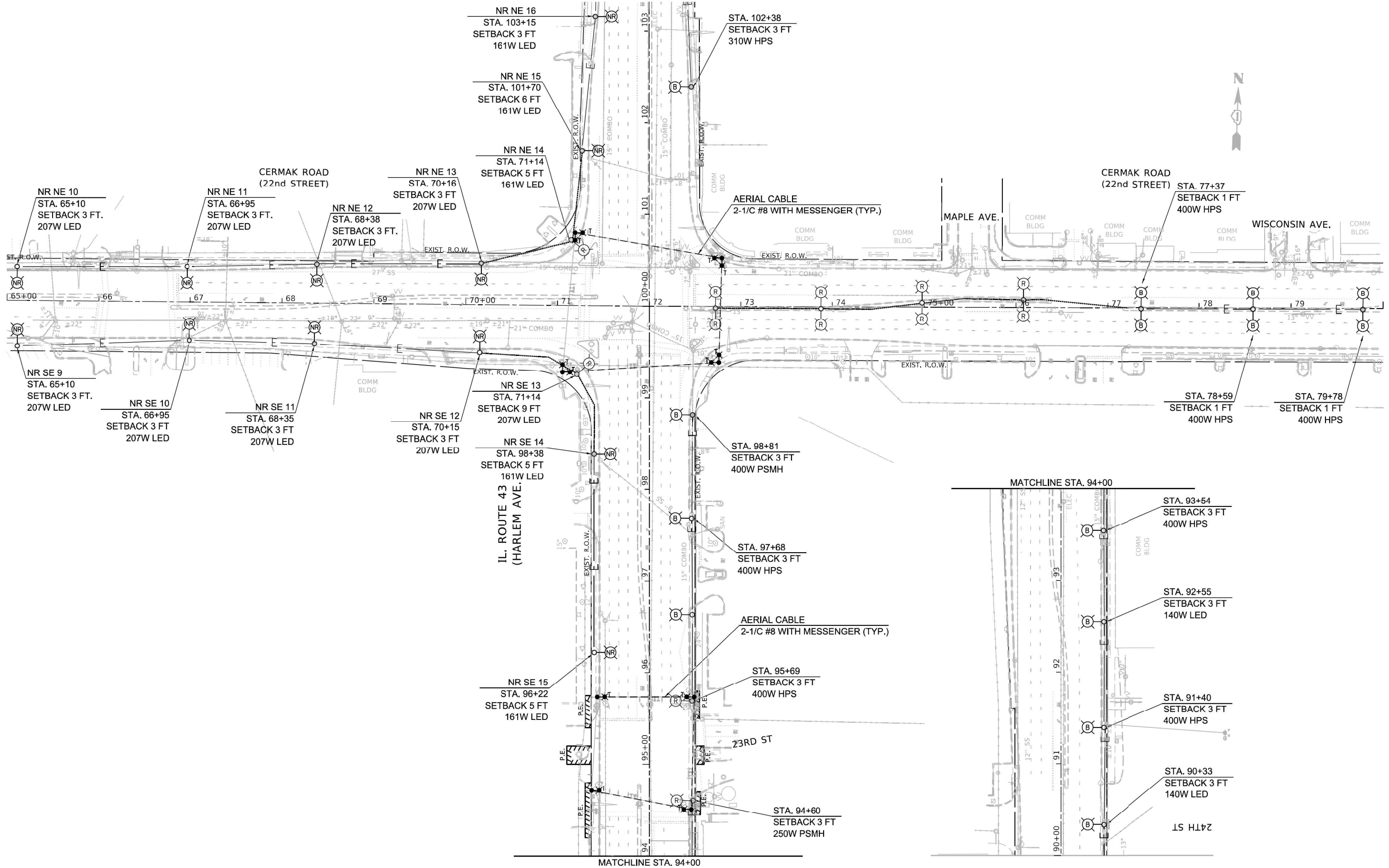
**PROPOSED INTERCONNECT SCHEMATIC
 CERMAK ROAD - NORTH RIVERSIDE MALL (WEST ENTRANCE) TO 54TH AVENUE
 IL ROUTE 43 (HARLEM AVENUE) - RIVERSIDE DRIVE TO CERMAK ROAD**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-TS&SW	COOK	134	88
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

ECON 30





MODEL: Default
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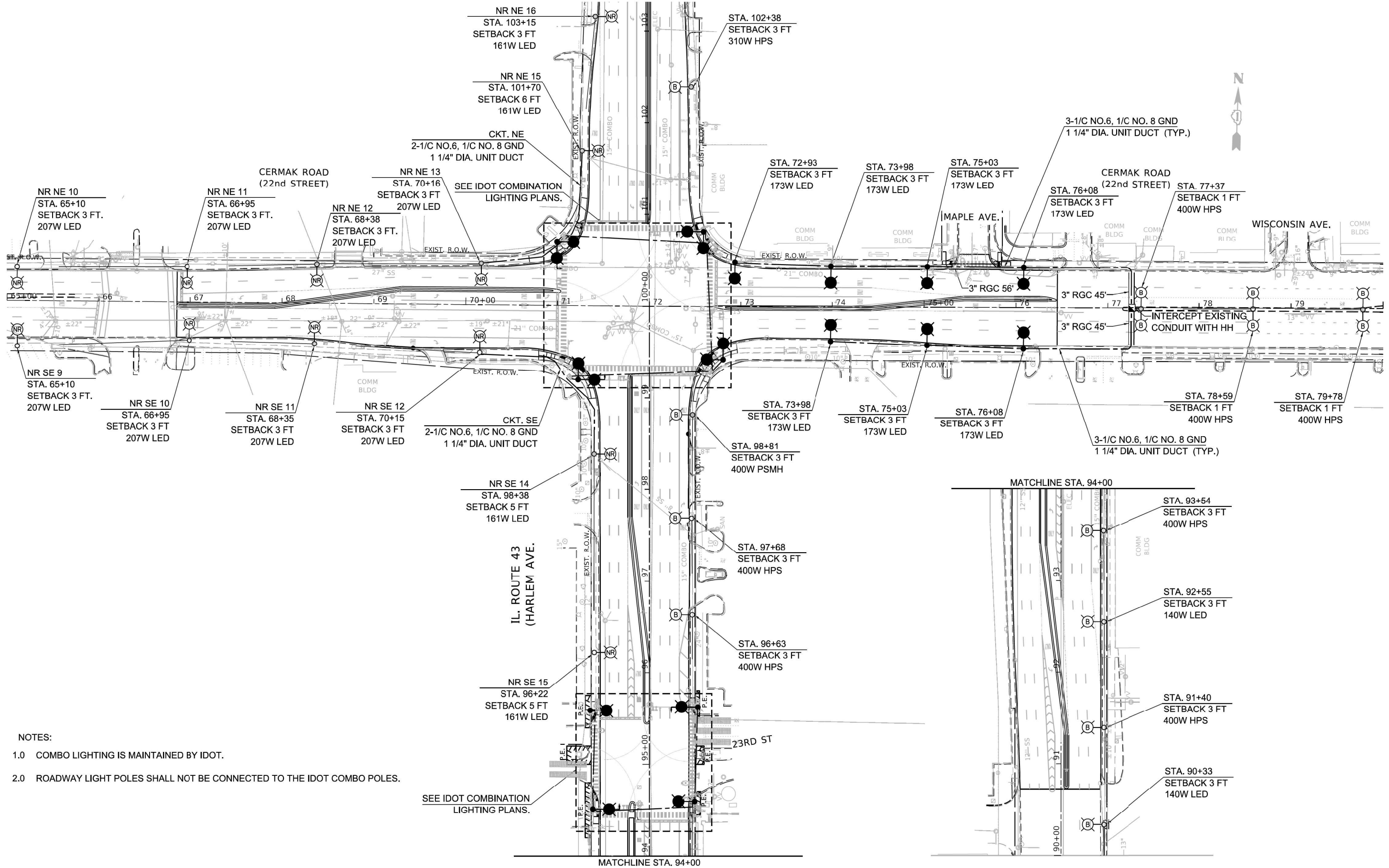
USER NAME = M.Todden	DESIGNED - M. KUCINAS	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - M. TODDEN	REVISED -
PLOT DATE = 5/6/2022	CHECKED - M. RASHED	REVISED -
	DATE - 3/4/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING REMOVAL PLAN
IL-43 AT CERMAK RD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	90
CONTRACT NO. 62J47				
ILLINOIS		FED. AID PROJECT		



- NOTES:
- COMBO LIGHTING IS MAINTAINED BY IDOT.
 - ROADWAY LIGHT POLES SHALL NOT BE CONNECTED TO THE IDOT COMBO POLES.

SEE IDOT COMBINATION LIGHTING PLANS.

MODEL: Default
 FILE NAME: 31010311804 - IDOT Traffic Signal Design - EIMProject Work\CADD\IL-43 at CermaK Rd\CADD-Sheets\Lighting\1315713.dwg, 1315713.dgn



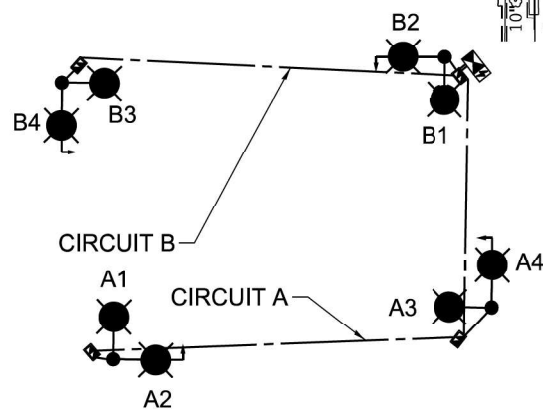
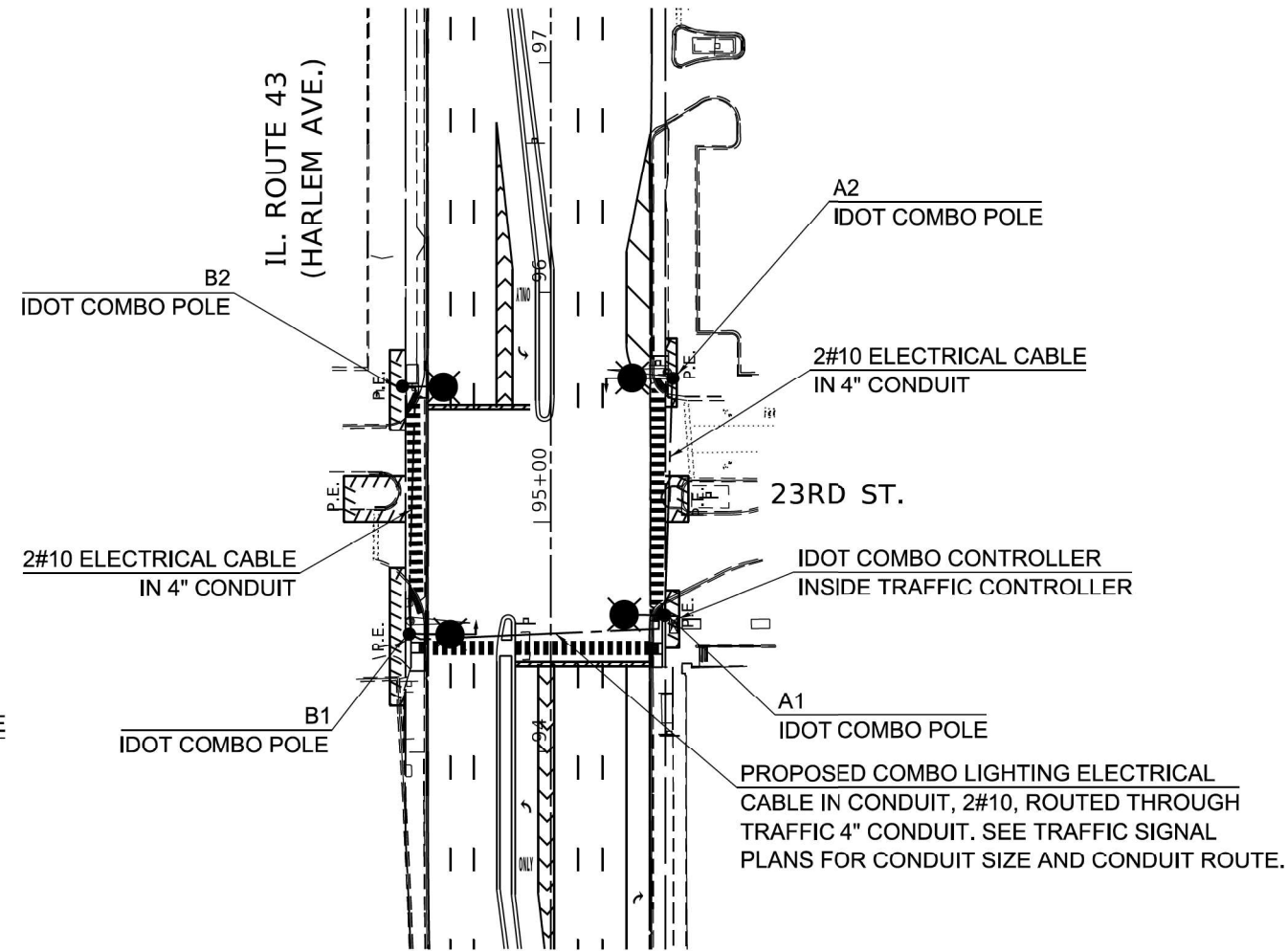
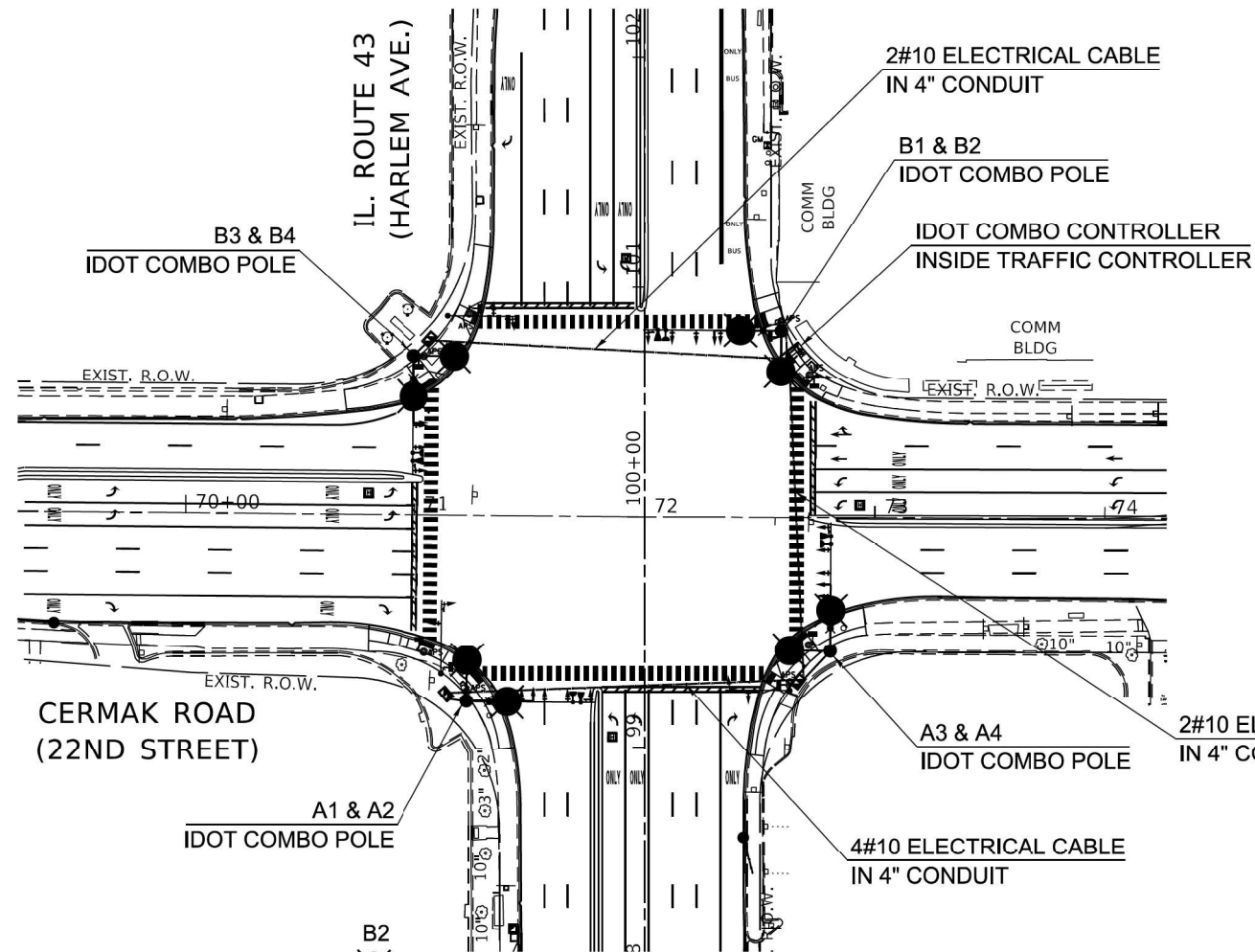
USER NAME = MTodden	DESIGNED - M. KUCINAS	REVISED -
	DRAWN - M. TODDEN	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - M. RASHED	REVISED -
PLOT DATE = 5/6/2022	DATE - 3/4/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING PLAN
IL-43 AT CERMAK RD.**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

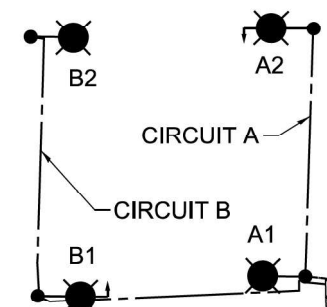
F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 91
CONTRACT NO. 62J47				
ILLINOIS		FED. AID PROJECT		



ONE LINE DIAGRAM
IL ROUTE 43 AND CERMAK RD.

IDOT COMBINATION LIGHTING SCHEDULE OF QUANTITIES IL ROUTE 43 AND CERMAK RD.			
DESCRIPTION	UNIT	QUANTITY	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	950	
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	8	
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	8	
COMBINATION LIGHTING CONTROLLER	EACH	1	

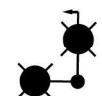
IDOT COMBINATION LIGHTING SCHEDULE OF QUANTITIES IL ROUTE 43 AND 23RD ST.			
DESCRIPTION	UNIT	QUANTITY	
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	320	
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	4	
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	4	
COMBINATION LIGHTING CONTROLLER	EACH	1	



ONE LINE DIAGRAM
IL ROUTE 43 AND 23RD ST.

NOTES:

- 1.0 THE IDOT COMBO LIGHTING CIRCUITS SHALL NOT BE CONNECTED TO THE ROADWAY LIGHTING CIRCUITS.
- 2.0 LUMINAIRES ARE POWERED FROM IDOT TRAFFIC CONTROLLER. SEE DETAIL BE-240.
- 3.0 THE COMBO LIGHTING CABLE AND SIGNAL CABLES WILL BE IN SHARED CONDUIT.
- 4.0 SEE TRAFFIC PLANS FOR LOCATION OF COMBO POLES, HANDHOLES AND CONDUIT.
- 5.0 CIRCUIT DECALS SHALL NOT BE INSTALLED ON COMBO POLES.



LEGEND:
PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G OR H AS NOTED, 120V, 45 FT. M.H., 15 FT. M.A., ON STEEL COMBINATION MAST ARM AND POLE (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)



PROPOSED LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G OR H AS NOTED, 120V, 45 FT. M.H., 2-15 FT. M.A., ORIENTED AT 90 DEGREES APART ON STEEL COMBINATION MAST ARM AND POLE (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)



PROPOSED ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10



PROPOSED COMBINATION LIGHTING CONTROLLER (SEE TRAFFIC SIGNAL PLANS FOR LOCATION)

MODEL: SPODELIAMIES
FILE NAME: STILES

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

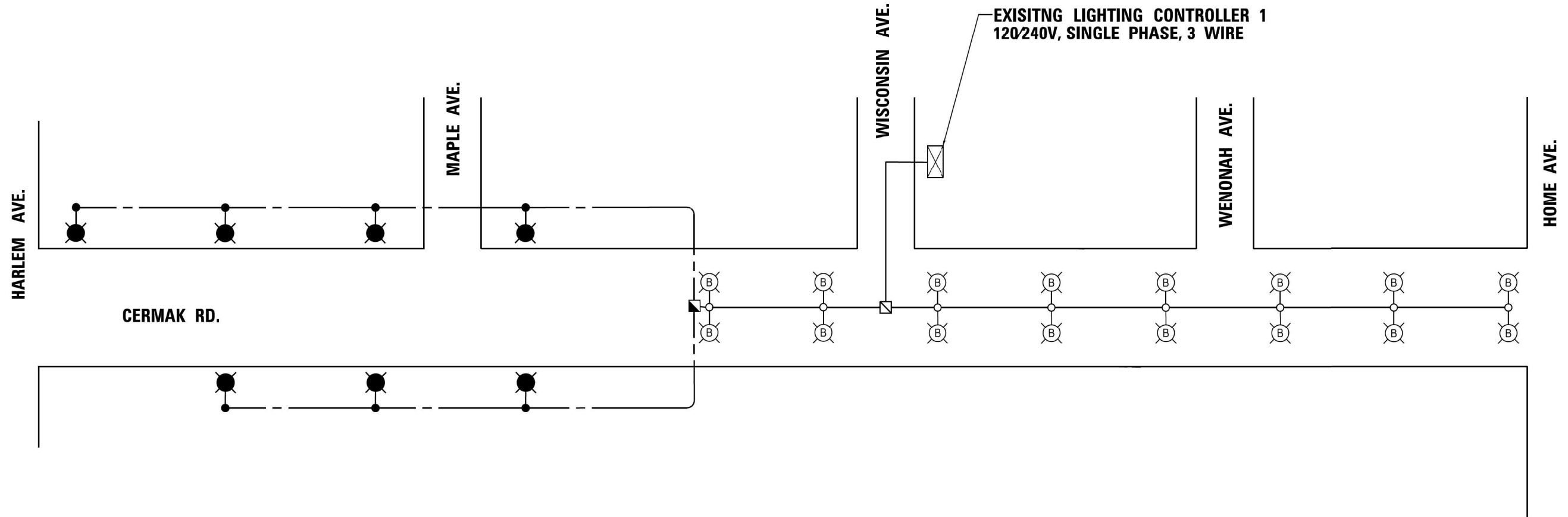
USER NAME = SUSERS	DESIGNED - M. KUCINAS	REVISED -
	DRAWN - M. TODDEN	REVISED -
PLOT SCALE = \$SCALES	CHECKED - M. RASHED	REVISED -
PLOT DATE = \$DATES	DATE - 3/4/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




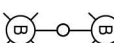



**IDOT PROPOSED LIGHTING COMBINATION PLAN
IL-43 AT CERMAK RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 92
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J47	



LEGEND

-  PROPOSED SINGLE ARM GROUND MOUNTED DECORATIVE LIGHTING UNIT, 32 FT. M.H., 9 FT. M.A., LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G, 240V, WITH FESTOON OUTLET, ON CONCRETE FOUNDATION (CITY OF BERWYN)
-  PROPOSED HANDHOLE
-  PROPOSED UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE, UNLESS NOTED OTHERWISE.
-  EXISTING TWIN ARM LIGHTING UNIT AND HPS LUMINAIRE, 240V, TO REMAIN (CITY OF BERWYN)
-  EXISTING HANDHOLE TO REMAIN.
-  EXISTING ELECTRIC CABLE TO REMAIN
-  EXISTING LIGHTING CONTROLLER TO REMAIN.

NOTES

1. SEE DETAIL SHEET EL-6 FOR POLE WIRING.

MODEL: Default; FILE NAME: S:\projects\1804 - IDOT Traffic Signal Design - EIM\project Work\CADD\IL-43 at Cermak Rd\CADD-Sheets\Lighting\1804_IL43_Light.dgn



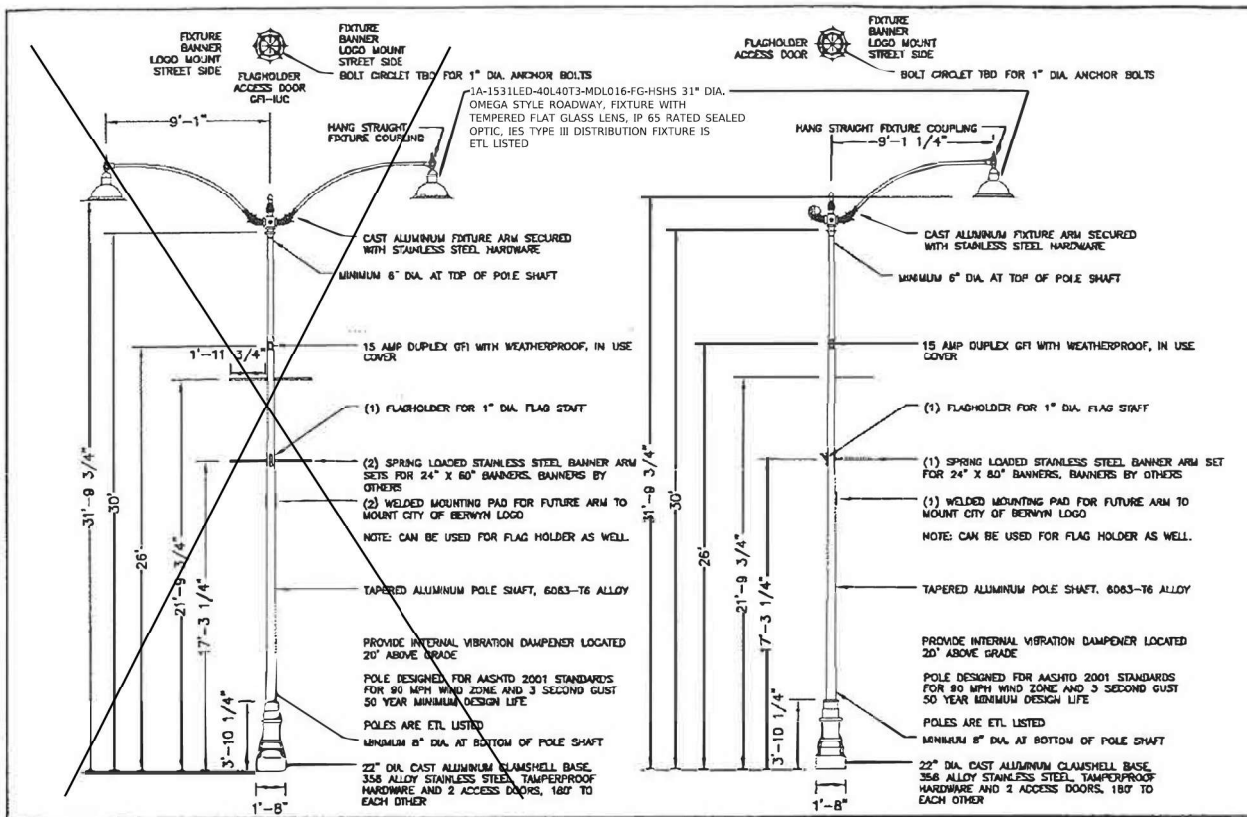
USER NAME = MTodden	DESIGNED - M. KUCINAS	REVISED -
	DRAWN - M. TODDEN	REVISED -
PLOT SCALE = 40,0000' / 1"	CHECKED - M. RASHED	REVISED -
PLOT DATE = 5/6/2022	DATE - 3/4/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

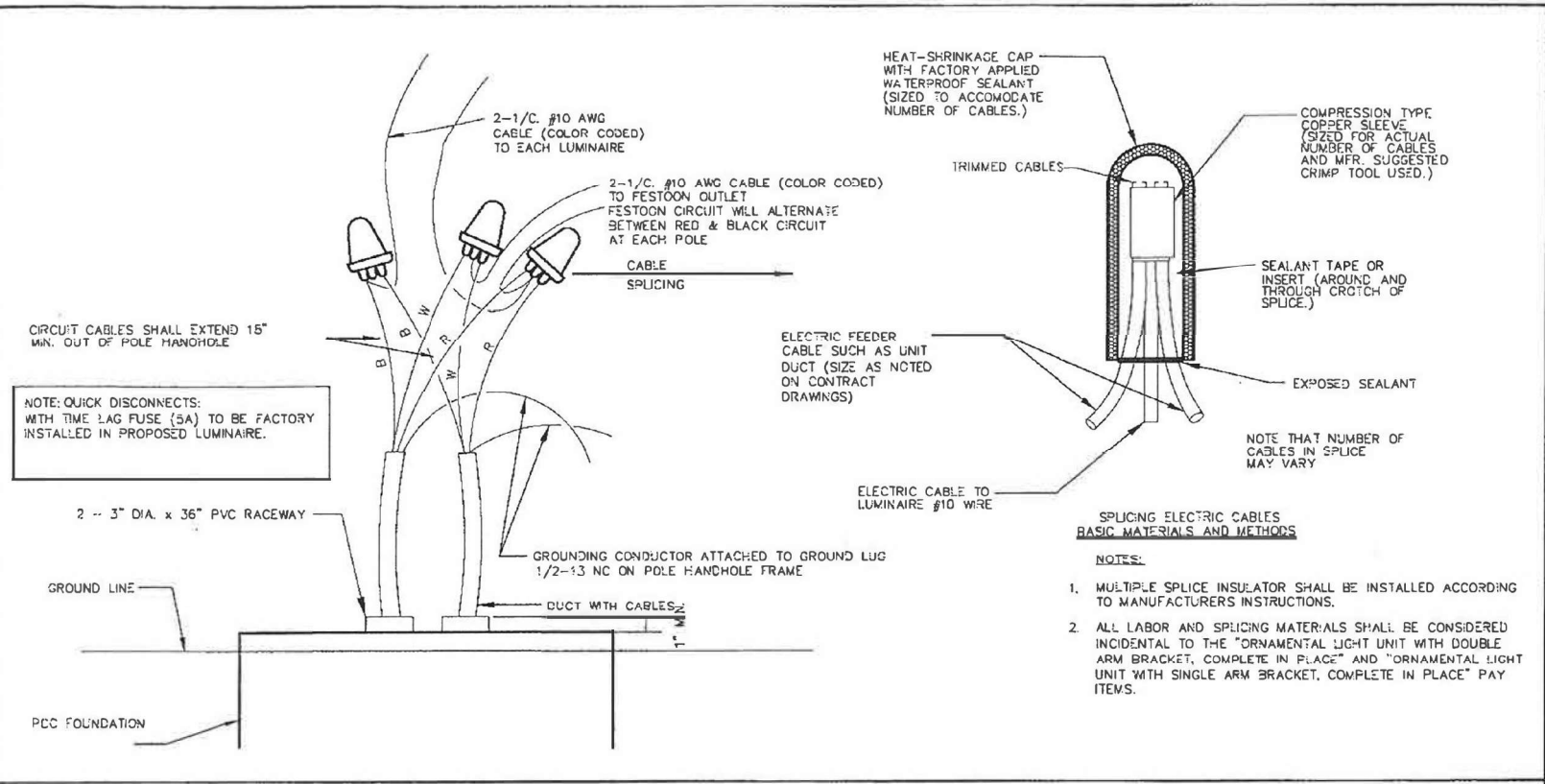
**SINGLE LINE DIAGRAM
IL 43 AT CERMAK RD.**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

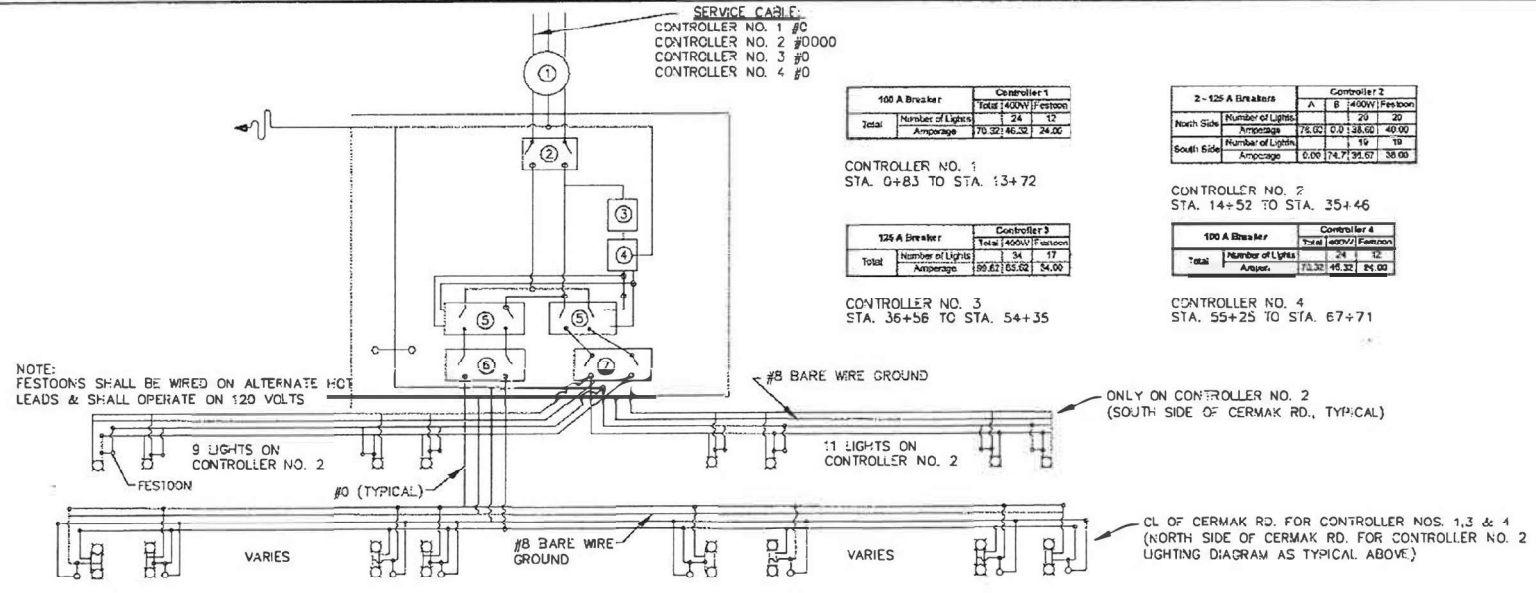
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	93
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				



LIGHT POLE, ALUMINUM, DAVIT ARM



CABLE SPLICING DETAILS IN POLE HANDHOLE



FOR INFORMATION ONLY

ITEM	CONTROLLER NO.	QTY	DESCRIPTION
①	METER CABINET	ALL	1 REQ'D
②	MAIN CIRCUIT BREAKER	NOS. 1, 3 & 4	150 TWO POLE, 240 VOLT, 150 AMP CIRCUIT BREAK, *
		NO. 2	225 TWO POLE, 240 VOLT, 150 AMP CIRCUIT BREAK, *
③	BRANCH CIRCUIT BREAKER	ALL	15 SINGLE POLE, 120 VOLT, 5 AMP CIRCUIT BREAK, □
④	TIME CLOCK	ALL	1 REQ'D 120 VOLT SINGLE POLE DOUBLE THROW CLOCK WITH SPRING CARRY OVER AND ASTRONOMICAL DIAL
⑤	MAGNETIC CONTRACTOR	NOS. 1 & 4	100 E.C.O.C. RELAY, MECHANICALLY HELD W/ TWO POLE 100 AMP W/ 120 VOLT, 60 CYCLE OPERATING COIL, LESS CASE
		NOS. 2 & 3	125 E.C.O.C. RELAY, MECHANICALLY HELD W/ TWO POLE 125 AMP W/ 120 VOLT, 60 CYCLE OPERATING COIL, LESS CASE
⑥	BRANCH CIRCUIT BREAKER	NOS. 1 & 4	100 TWO POLE, 240 VOLT, 100 AMP CIRCUIT BREAK, *
		NOS. 2 & 3	125 TWO POLE, 240 VOLT, 125 AMP CIRCUIT BREAK, *
⑦	BRANCH CIRCUIT BREAKER	NO. 2 ONLY	125 TWO POLE, 240 VOLT, 125 AMP CIRCUIT BREAK, *

* MINIMUM INTERRUPTING RATING 25,000 AMPS
□ MINIMUM INTERRUPTING RATING 25,000 AMPS

EXISTING LIGHTING CONTROLLER EQUIPMENT

Frank Novotny & Associates, Inc.
Civil Engineers
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
Illinois Professional Design Firm No. 184-010928

PROJECT
CITY OF BERWYN, ILLINOIS
CERMAK ROAD TIF STREET LIGHTING IMPROVEMENTS

REVISIONS			
NO.	BY	DATE	DESCRIPTION

STREET LIGHTING CONSTRUCTION DETAILS

PROJECT NO. 11145	SCALE NONE	SHEET NO. 17 OF 20 SHEETS
DRAWN/DESIGNED JEP/TRB	DATE DEC., 2011	
CHECKED/APPROVED BAH/JEF	FIELD BOOK NO. FILE	

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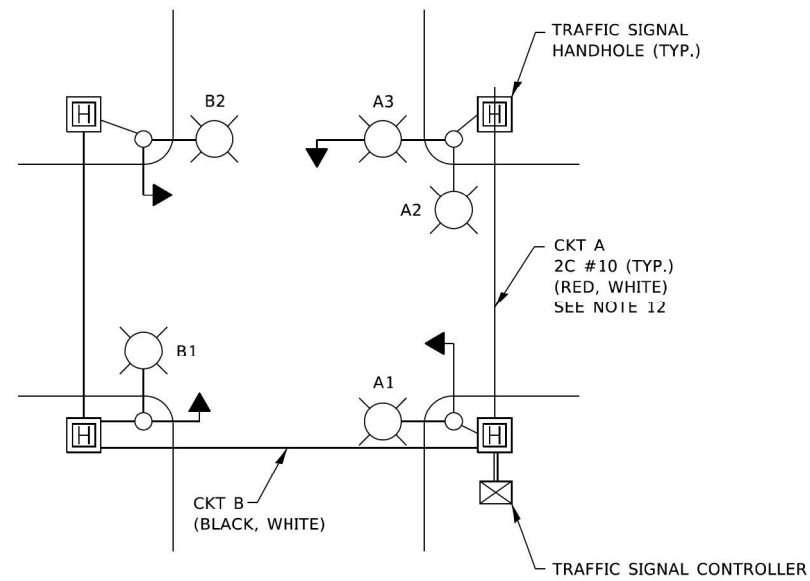
TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = M.Todden	DESIGNED - M. KUCINAS	REVISED -
PLOT SCALE = 40.0000' / 1"	DRAWN - M. TODDEN	REVISED -
PLOT DATE = 5/6/2022	CHECKED - M. RASHED	REVISED -
	DATE - 3/4/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

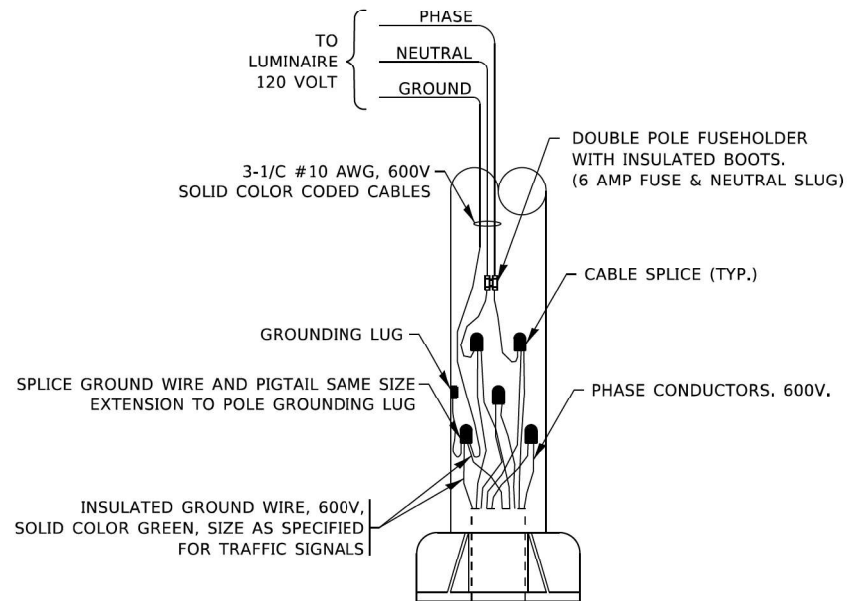
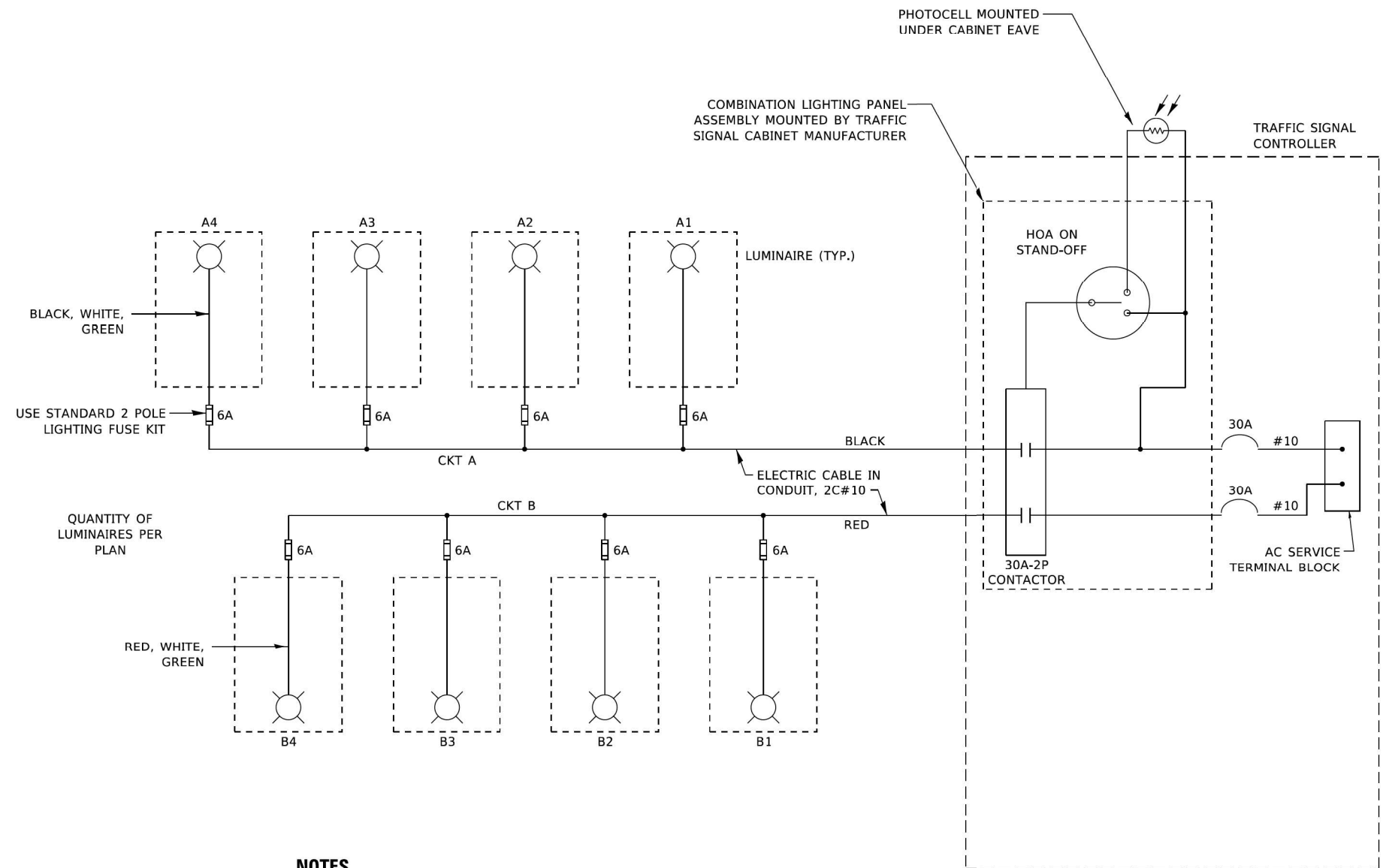
CITY OF BERWYN POLE WIRING DETAIL IL 43 AT CERMAK RD.		F.A.P. R.T.E. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 94
SCALE: NONE	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62147			

ILLINOIS	FED. AID PROJECT
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TYPICAL LIGHTING CIRCUIT

(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL

(NOT TO SCALE)

NOTES

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
8. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
10. LUMINAIRE VOLTAGE SHALL BE 120V
11. POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
12. THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

MODEL: SPODELIAMIES
FILE NAME: SILEX

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

USER NAME = SUSERS	DESIGNED - M. KUCINAS	REVISED -
	DRAWN - M. TODDEN	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - M. RASHED	REVISED -
PLOT DATE = \$DATE\$	DATE - 3/4/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
IL 43 AT CERMAK RD.**

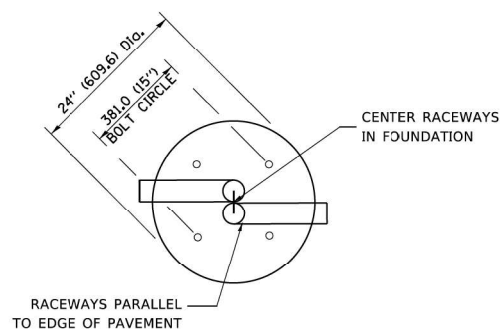
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F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 95
BE-240		CONTRACT NO. 62J47		
ILLINOIS FED. AID PROJECT				

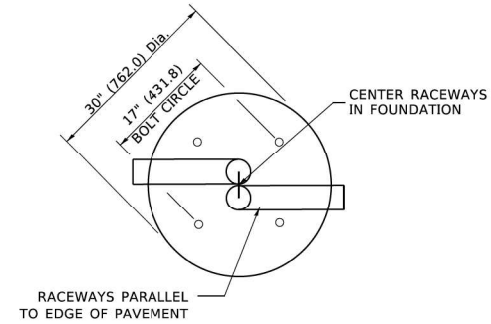
EL-7

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

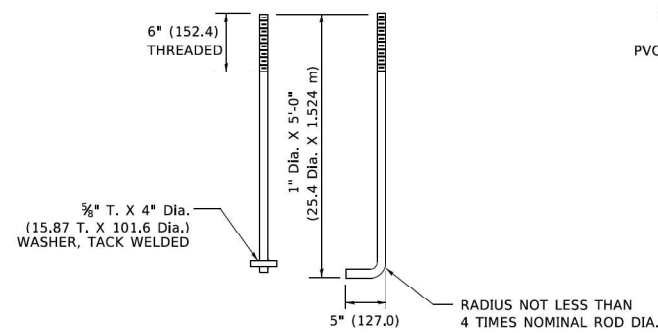
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



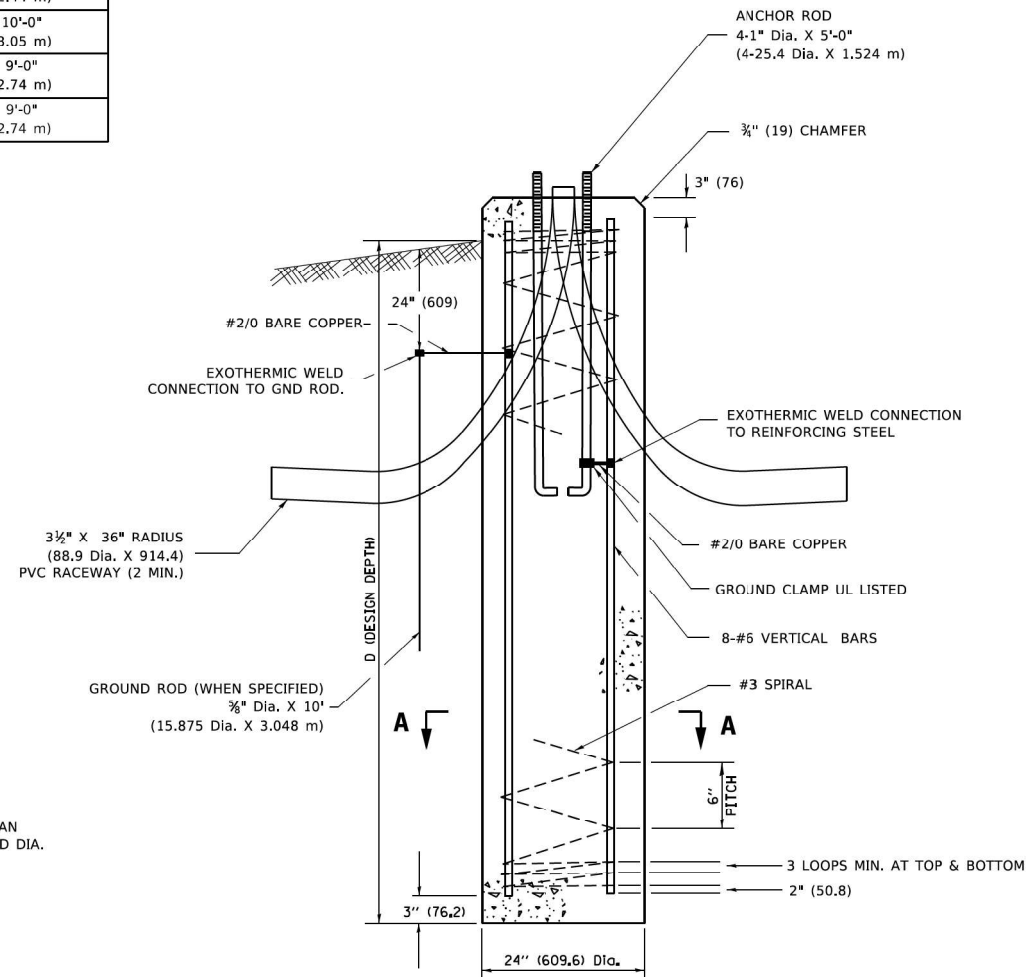
TOP VIEW



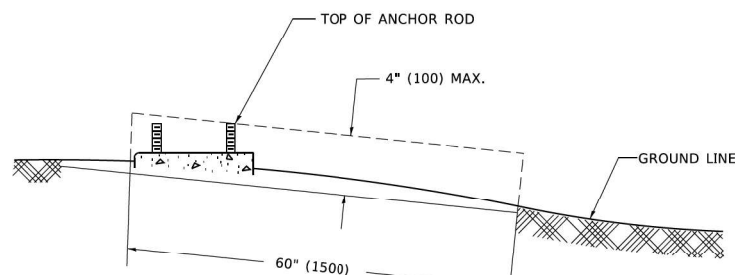
TOP VIEW



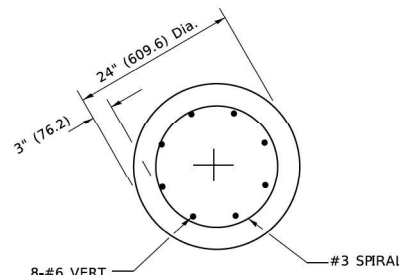
ANCHOR ROD DETAIL



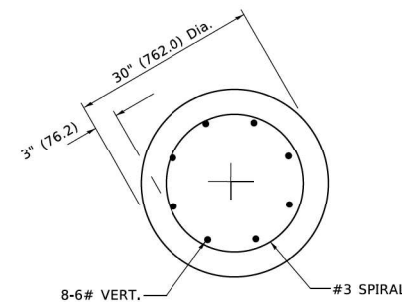
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION. WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER. OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1139.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (59.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

MODEL: SPODELIAMIES
FILE NAME: STILES

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

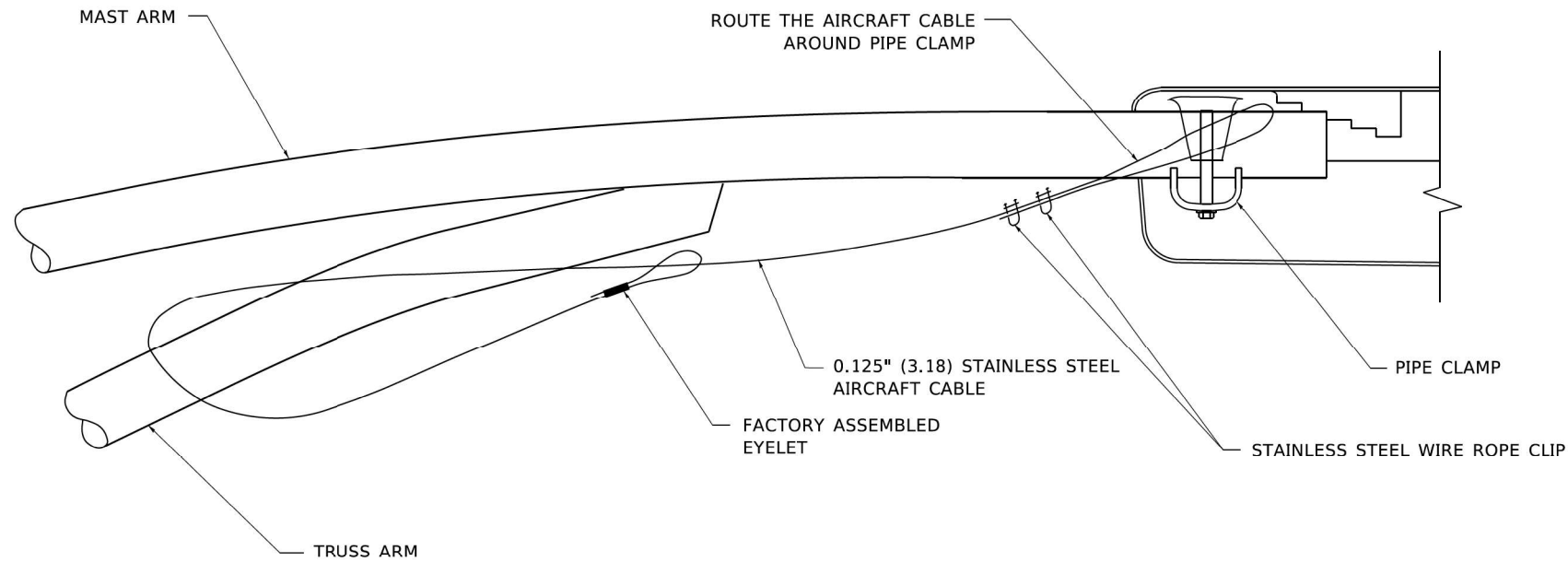
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

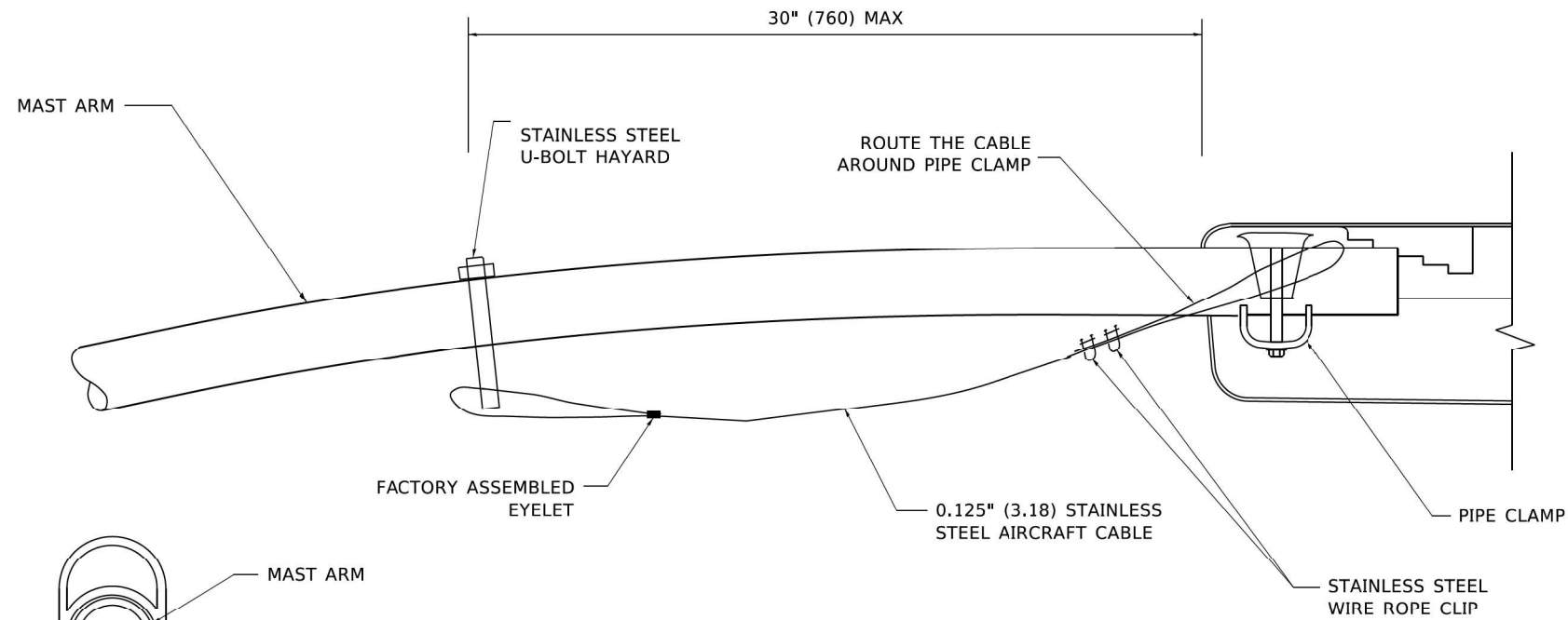
LIGHT POLE FOUNDATION 40' TO 47' 1/2" M.H. 15" BOLT CIRCLE DETAIL
IL 43 AT CERMAK RD.

SCALE: NONE SHEET OF SHEETS STA. TO STA.

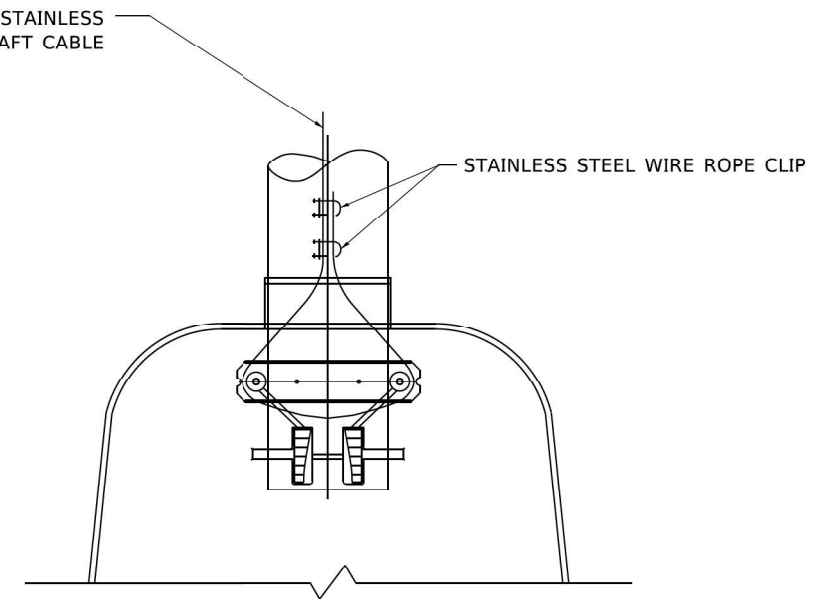
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	96
BE-301		CONTRACT NO. 62147		
ILLINOIS FED. AID PROJECT				



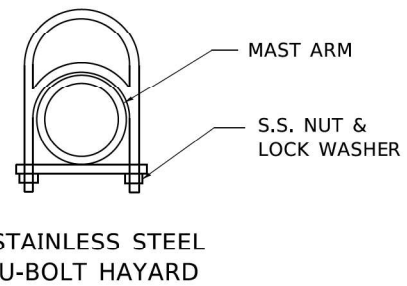
SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$

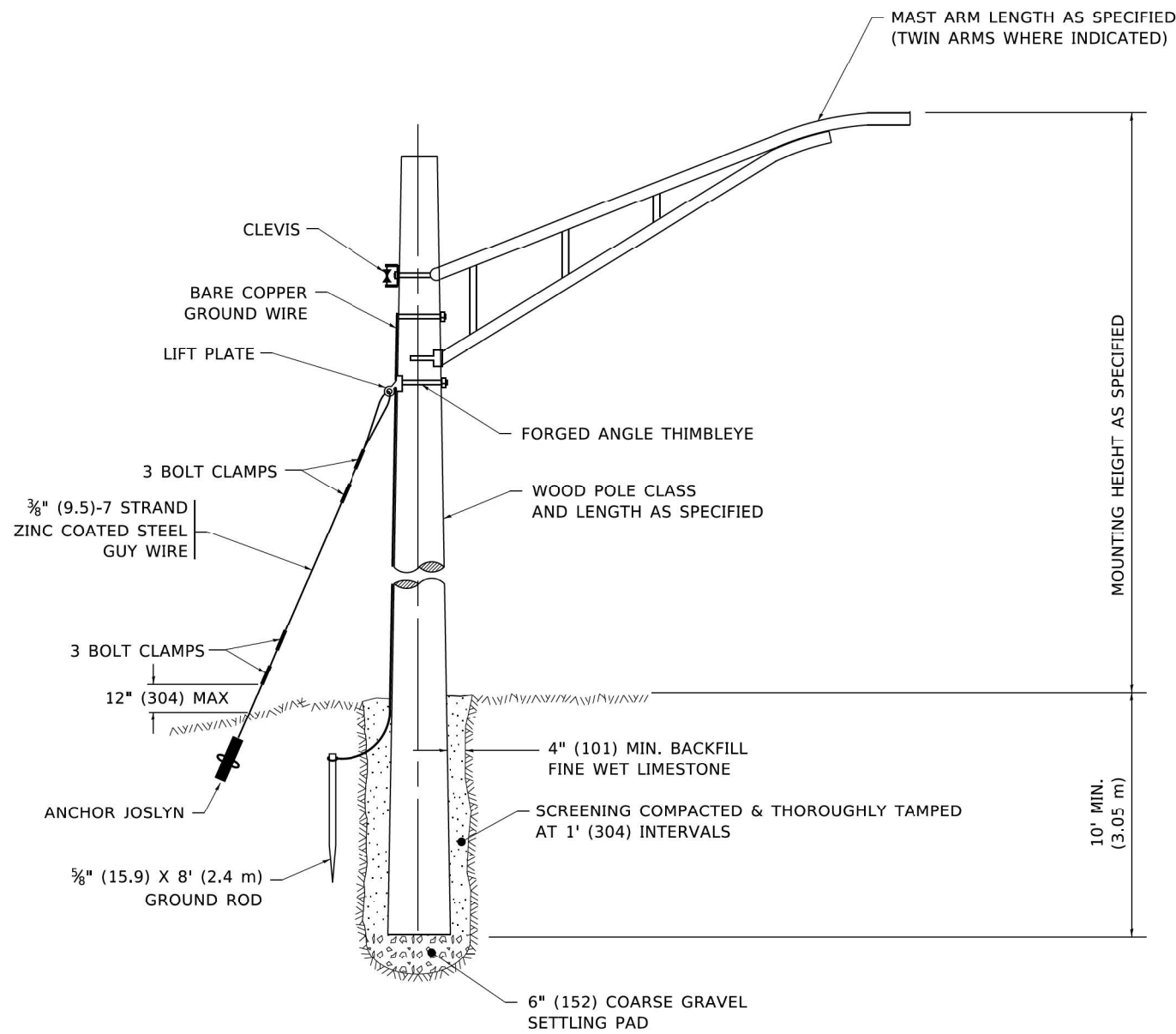
TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

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PLOT DATE = \$DATE\$	DATE - 3/4/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LUMINAIRE SAFETY CABLE ASSEMBLY			
IL 43 AT CERMAK RD.			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

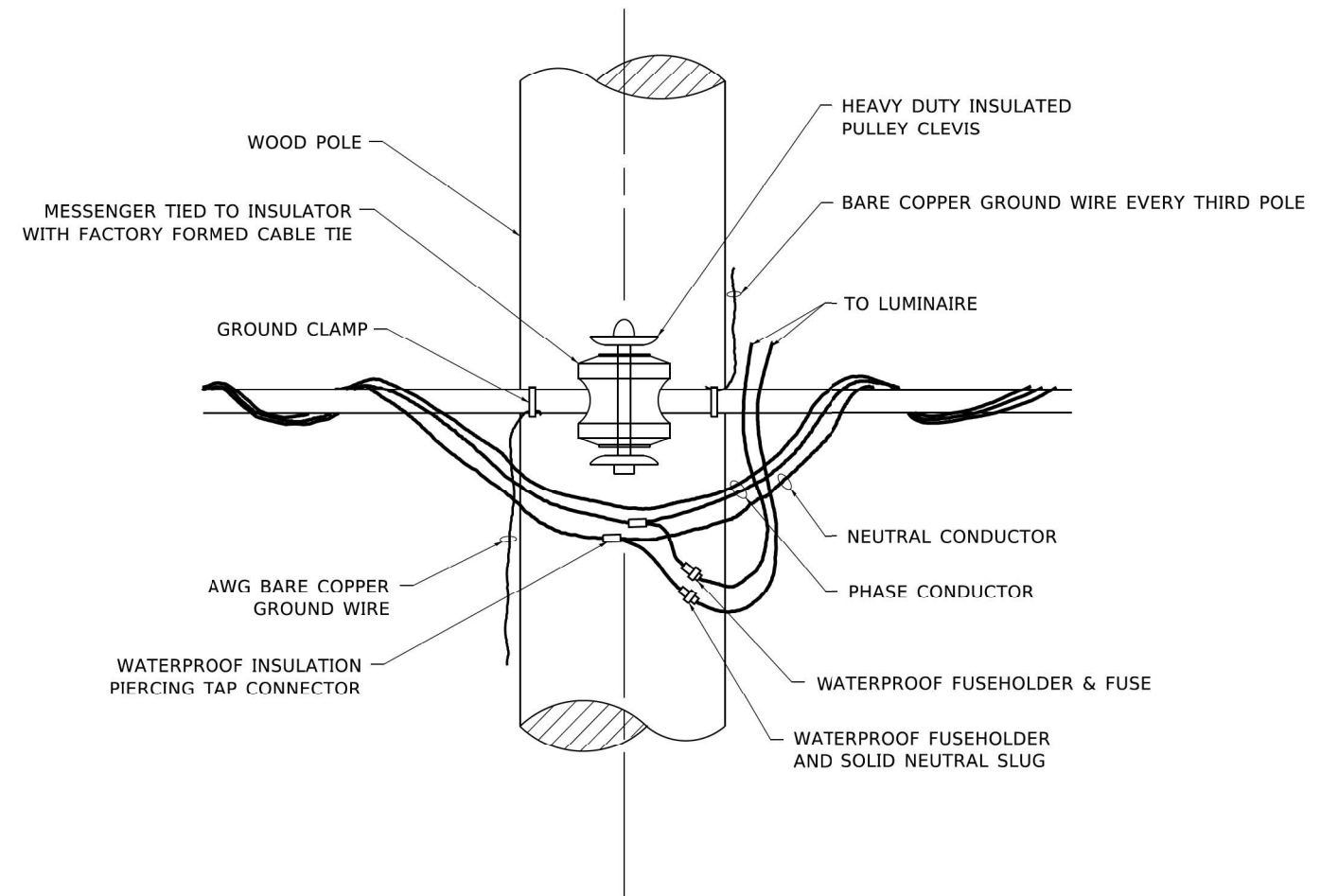
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	97
BE-701		CONTRACT NO. 62J47		
		ILLINOIS FED. AID PROJECT		



TEMPORARY LIGHT POLE DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

MODEL: SPODELMAMES
FILE NAME: STILES

TranSmart
100 S. Wacker Drive Suite 400
Chicago, Illinois 60606

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	DRAWN - M. TODDEN	REVISED -
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PLOT DATE = \$DATE\$	DATE - 3/4/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHT POLE DETAILS
IL 43 AT CERMAK RD.**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	98
BE-800		CONTRACT NO. 62J47		
		ILLINOIS FED. AID PROJECT		

SIDEWALK CURB RAMP WORK SCHEDULE OF QUANTITIES

MAIN ROAD	CROSS ROAD	CORNER	20200100	21101615	25200110	42001300	42400200	42400800	44000600	60266600	X0327611	X0327989	X4400501	Z0004562
			EARTH EXCAVATION (CUYD)	TOPSOIL FURNISH AND PLACE, 4" (SQ YD)	SODDING, SALT TOLERANT (SQYD)	PROTECTIVE COAT (SQYD)	PORTLAND CEMENT (SQFT)	DETECTABLE WARNING (SQFT)	SIDEWALK REMOVAL (SQFT)	VALVE BOXES TO BE ADJUSTED (EACH)	REMOVE AND REINSTALL BRICK (SQFT)	REMOVE EXISTING BRICK PAVERS (SQFT)	COMBINATION CURB AND GUTTER (FT)	COMBINATION CONCRETE CURE (FT)
CERMAK ROAD	NORTH RIVERSIDE PLAZA N ENTRANCE	NW	2.4	3.4	3.4	33	239.3	20	1618	0	0	40.5	0	30.3
CERMAK ROAD	NORTH RIVERSIDE PLAZA N ENTRANCE	NE	2.5	0	0	35	254	21.5	2487	0	0	0	0	30.7
CERMAK ROAD	NORTH RIVERSIDE PLAZA N ENTRANCE	SW	3.3	0	0	45	327.1	10	3284	1	0	0	0	37.2
CERMAK ROAD	NORTH RIVERSIDE PLAZA N ENTRANCE	SE	1.2	1.8	1.8	18	121.8	23.5	1164	0	0	0	0	18.9
CERMAK ROAD	6870LT DRIVEWAY	NW	1.2	0	0	17	122.1	8.8	1242	0	0	0	0	15.3
CERMAK ROAD	6870LT DRIVEWAY	NE	1.2	0	0	17	122.1	8.8	1242	0	0	0	0	15.3
IL 43	CERMAK ROAD	NW	9.5	0	0	127	951.1	23.1	8551	0	0	0	0	97.9
IL 43	CERMAK ROAD	NE	5.7	0	0	77	571.9	23.1	5704	0	0	17	0	61.2
IL 43	CERMAK ROAD	SW	6.3	8.9	8.9	85	626	24.4	5499	1	0	0	0	71.2
IL 43	CERMAK ROAD	SE	7.9	0	0	108	793.7	23.6	7822	0	0	0	0	88.9
IL 43	23RD STREET	NW	0.8	1.2	1.2	13	80.5	17.8	65.4	0	0	0	0	18.5
IL 43	23RD STREET	NE	1.2	0	0	14	122.5	10	1122	0	0	0	7.2	0
IL 43	23RD STREET	SW	1.6	0	0	26	159.1	18.5	1599	0	54.7	14.3	0	36
IL 43	23RD STREET	SE	2.4	0	0	34	235.3	34.1	2364	0	0	0	0	37.3

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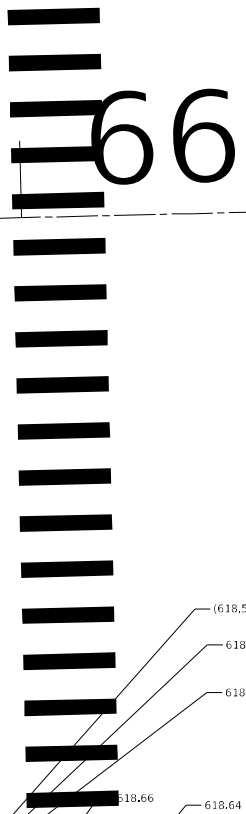
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK CURB RAMP DETAILS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	99
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

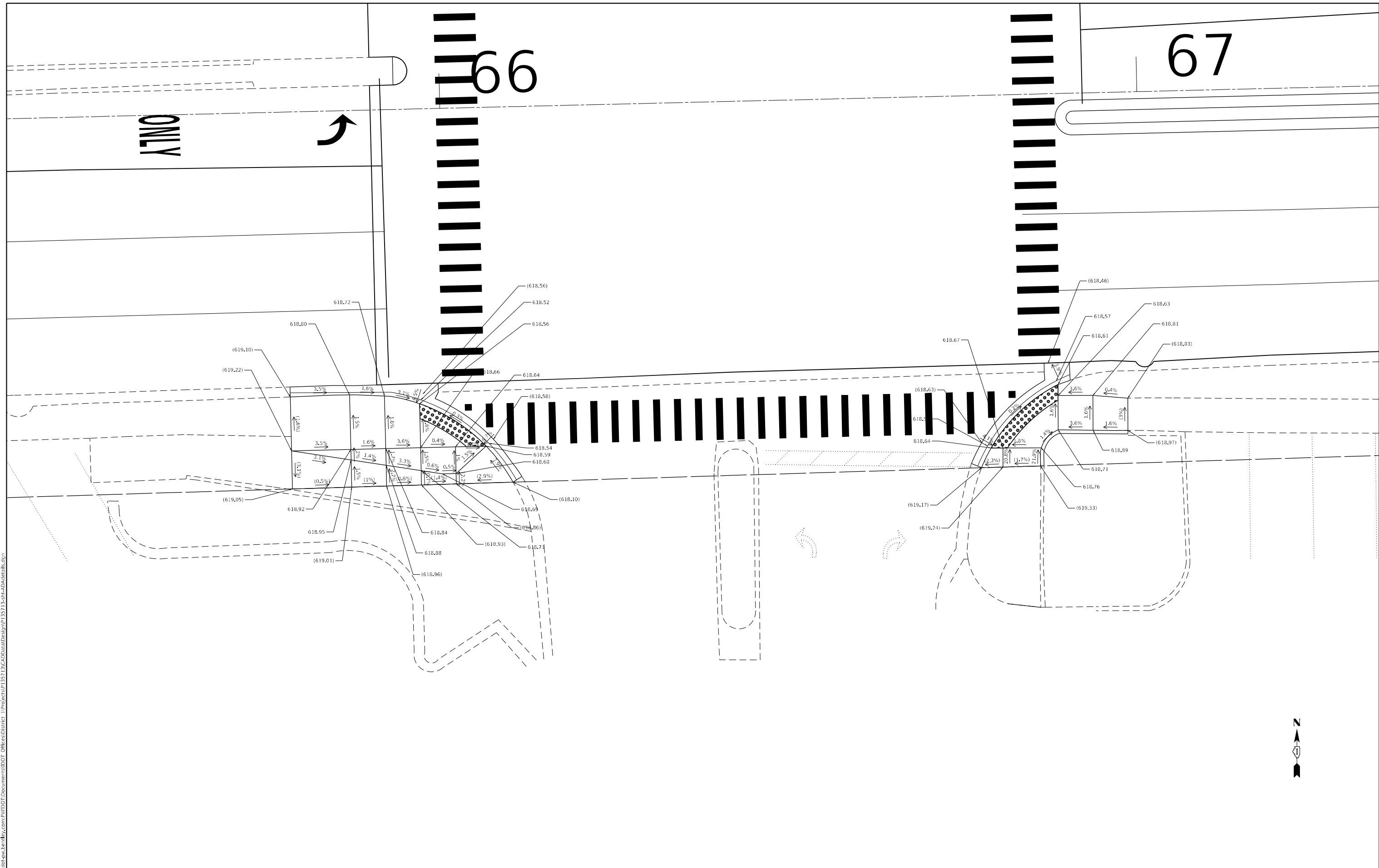
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66



67



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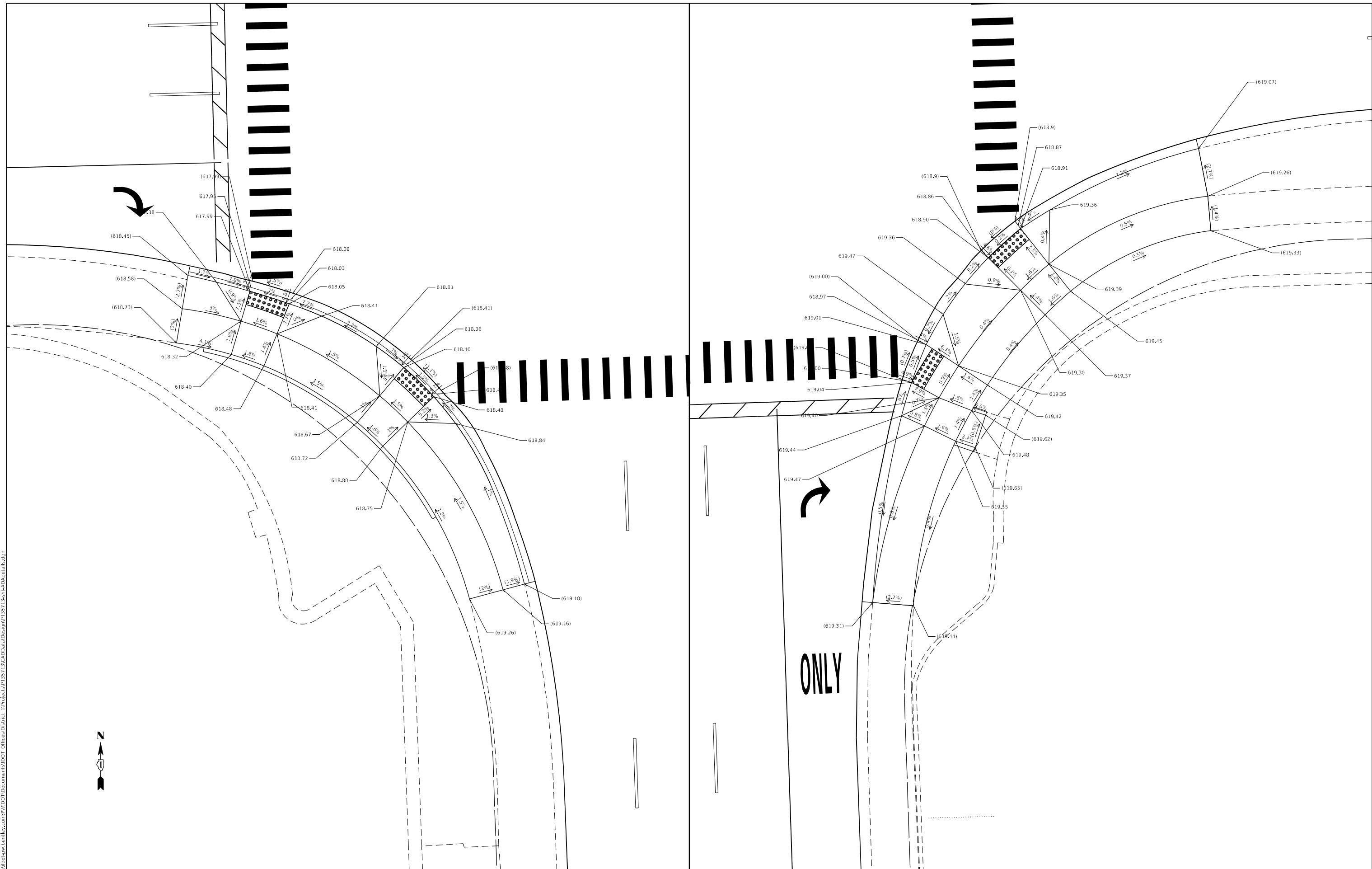
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PLOT DATE = 1/26/2024		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK CURB RAMP DETAILS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)
SCALE: 1"=5' SHEET 2 OF 8 SHEETS STA. - TO STA. -

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 101
CONTRACT NO. 62147				
ILLINOIS FED. AID PROJECT				

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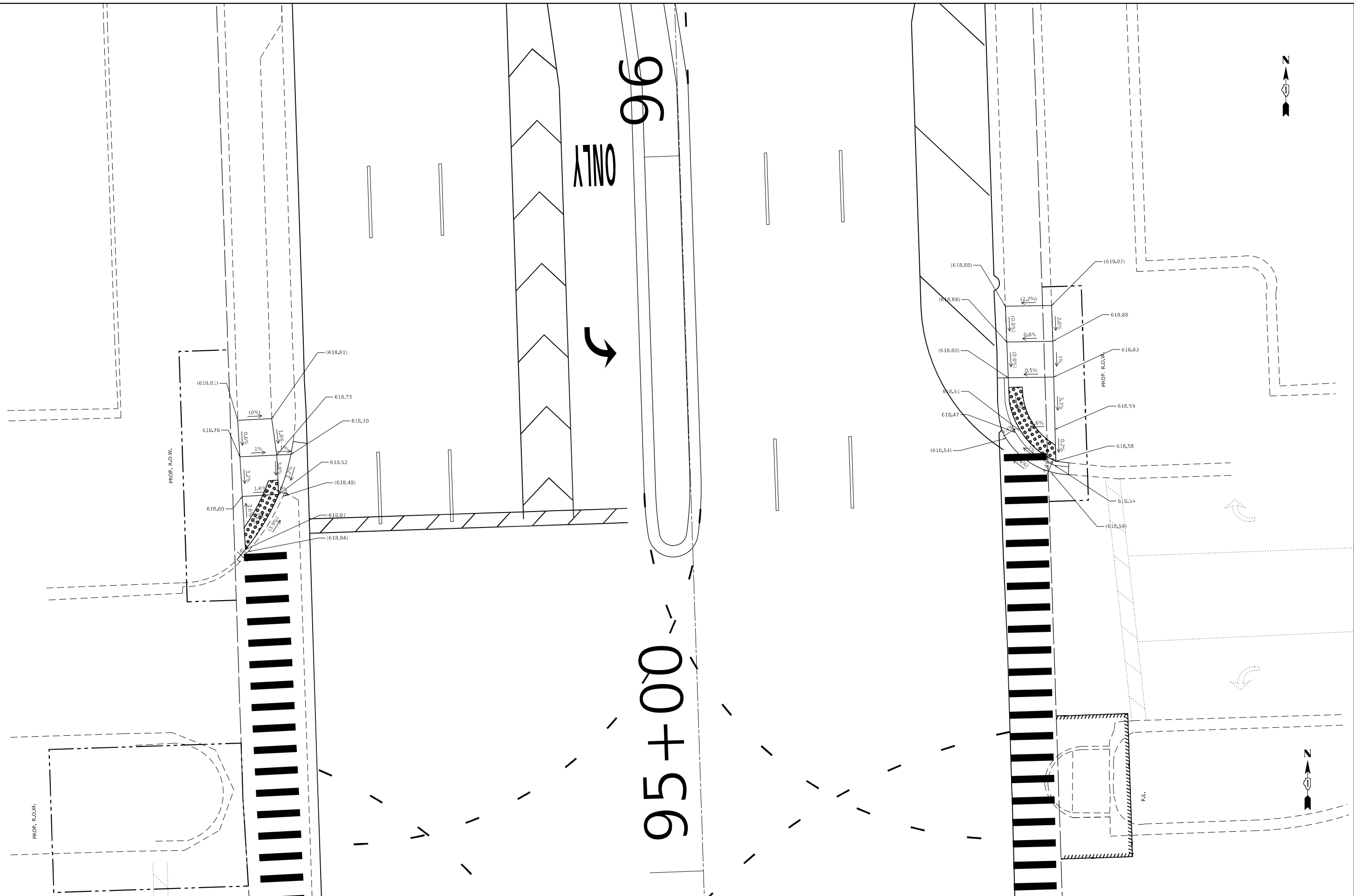
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK CURB RAMP DETAILS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)
 SCALE: 1"=5' SHEET 5 OF 8 SHEETS STA. - TO STA. -

F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 104
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

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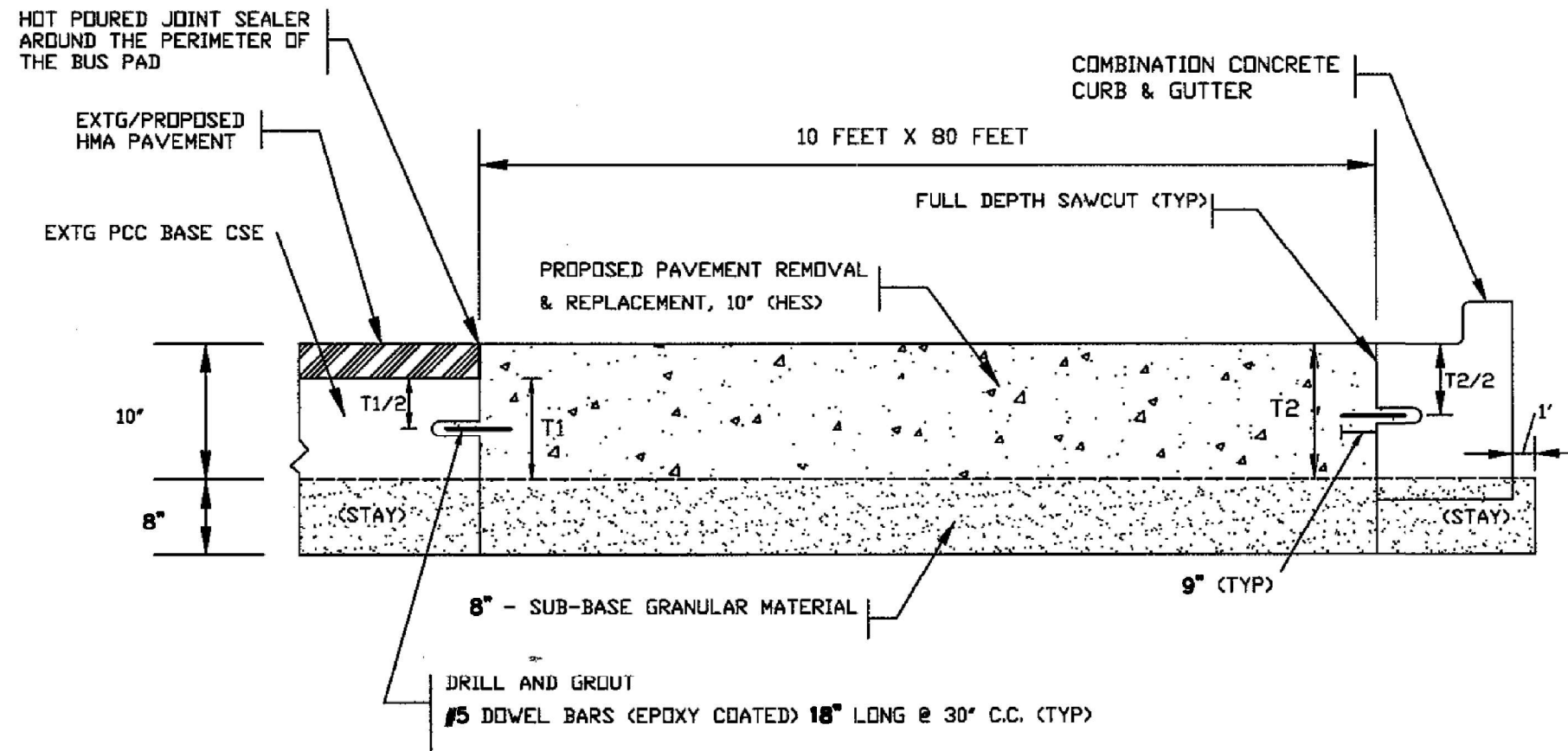
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDWALK CURB RAMP DETAILS
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)
 SCALE: 1"=5' SHEET 6 OF 8 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	105
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

PROPOSED 10" BUS PAD PAVEMENT



ITEMS PER EACH BUS PAD:

PAY ITEM	UNIT	QUANTITY
SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	90
PAVEMENT REMOVAL	SQ YD	90
DOWEL BARS 5/8"	EACH	6
DOWEL BARS 1"	EACH	30
SAW CUTS	FOOT	180
CONCRETE PAD	SQ YD	90
JOINT SEALER	FOOT	210

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	DATE - 12/30/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CDOT BUS PAD DETAILS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**



SCALE: - SHEET 1 OF 3 SHEETS STA. - TO STA. -

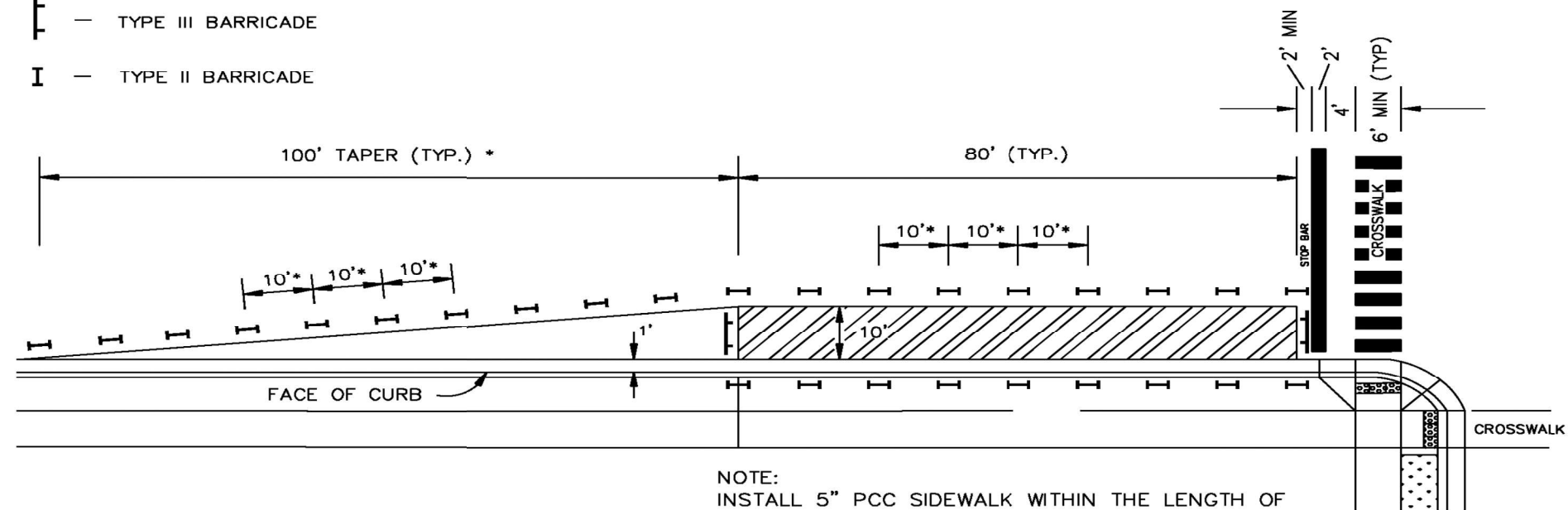
F.A.P. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 107
				CONTRACT NO. 62147
ILLINOIS FED. AID PROJECT				

PROPOSED BUS PAD PAVEMENT AND TRAFFIC CONTROL LAYOUT

TRAFFIC CONTROL DEVICES

LEGEND:

-  — TYPE III BARRICADE
-  — TYPE II BARRICADE



NOTE:
INSTALL 5" PCC SIDEWALK WITHIN THE LENGTH OF
THE BUS PAD ON BUS STOP WITH EXISTING
PARKWAY.

* SHALL CONFORM TO EITHER
SECTION 4.4, THE IDOT HIGHWAY
STANDARDS, OR MUTCD, WHICHEVER
IS MORE STRINGENT.

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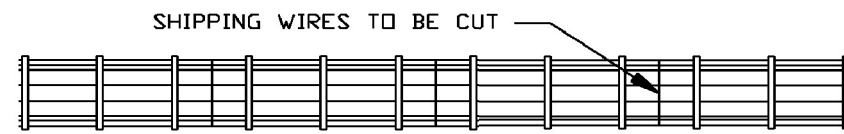
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CDOT BUS PAD DETAILS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

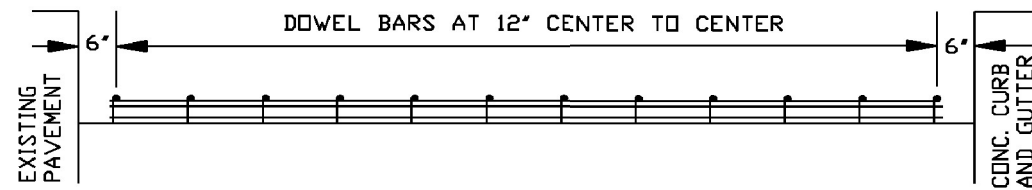
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	108
CONTRACT NO. 62J47				
ILLINOIS FED. AID PROJECT				

CONTRACTION JOINT ASSEMBLY FOR BUS PAD



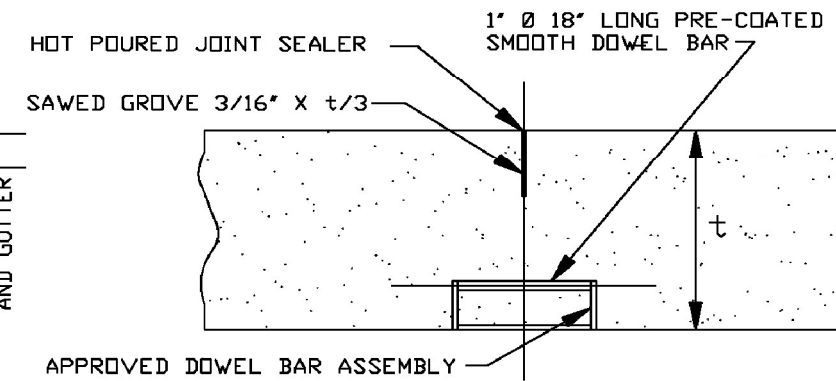
PLAN OF ASSEMBLY



ELEVATION OF ASSEMBLY

NOTE:

1. MINIMUM WIRE SIZES, W7 OUTSIDE SPACERS, BEARING MEMBERS AND UPRIGHT SUPPORT, W5 INSIDE SPACERS W3 TIE WIRES.
2. DOWELS MUST BE PLASTIC COATED, REBARS MUST BE EPOXY COATED.
3. DOWEL BASKET MUST BE INSTALLED EVERY 20 FEET.
4. TRANSVERSE JOINTS SHALL BE SPACED EVERY 20 FEET.
5. TRANSVERSE JOINTS MUST BE PROVIDED AT THE CENTER OF EVERY STRUCTURES IN THE BUS PAD.



APPROVED DOWEL BAR ASSEMBLY

SAWED CONTRACTION JOINT

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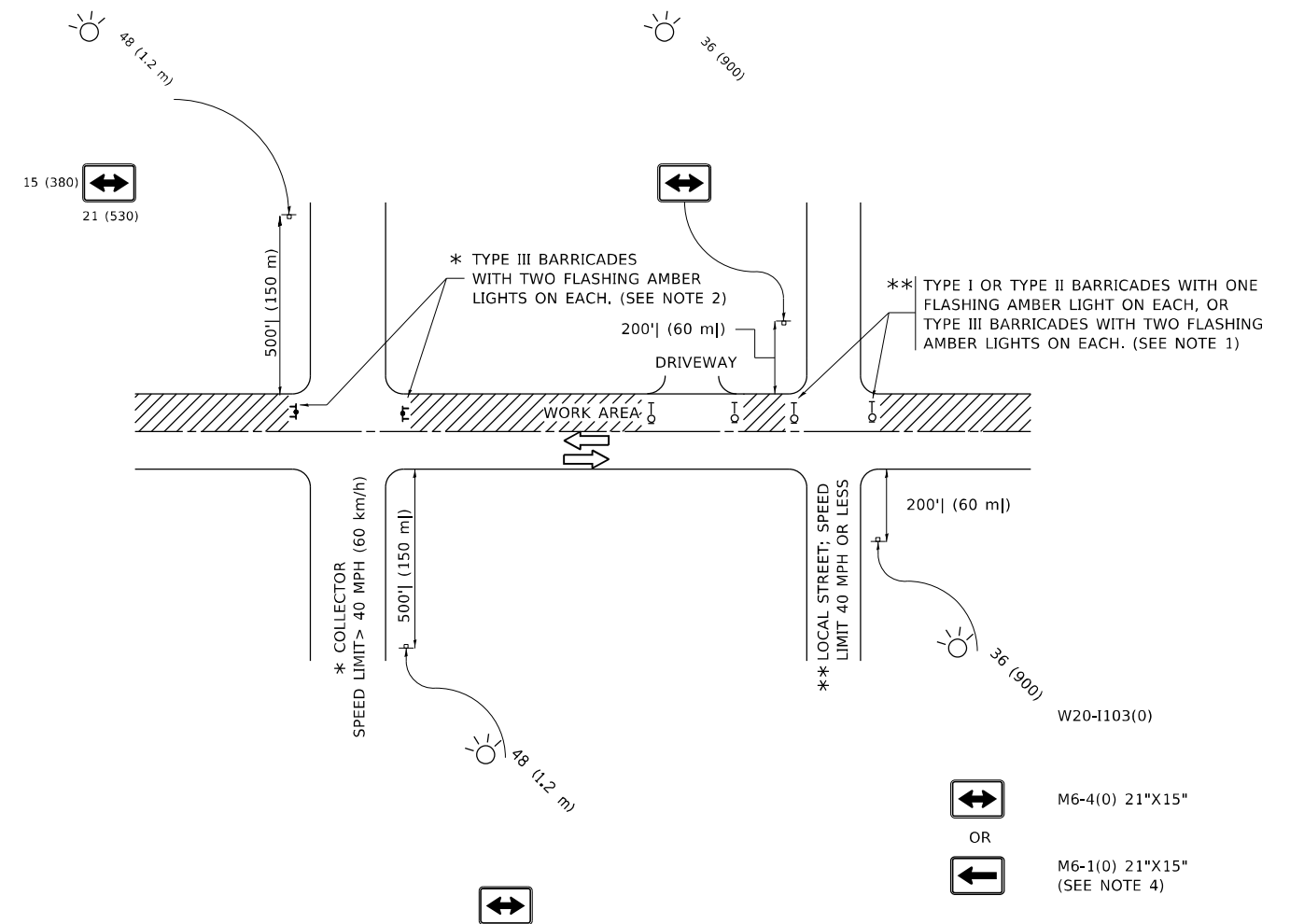
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CDOT BUS PAD DETAILS
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: - SHEET 3 OF 3 SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	109
CONTRACT NO. 62J47				
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.
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE 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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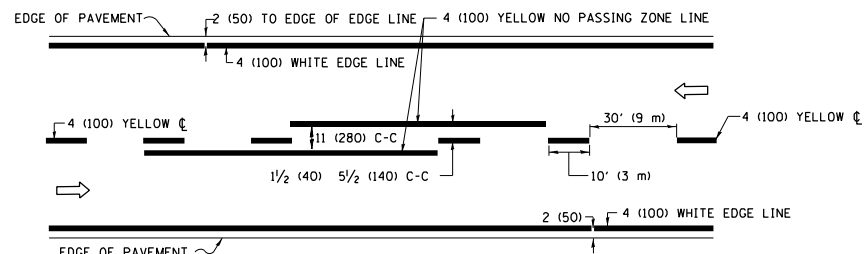
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

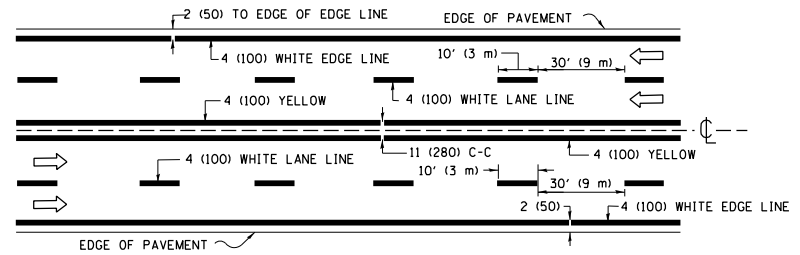
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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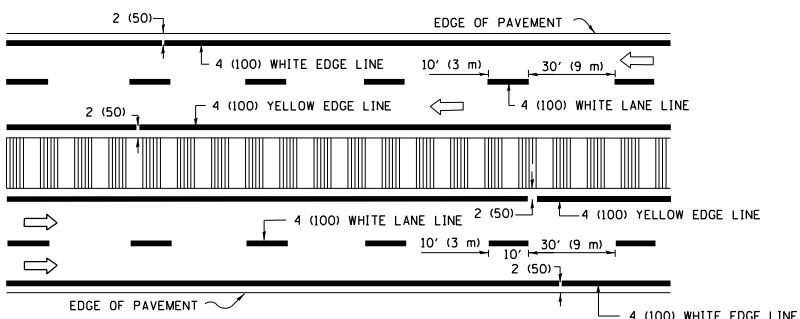
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			134	113
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

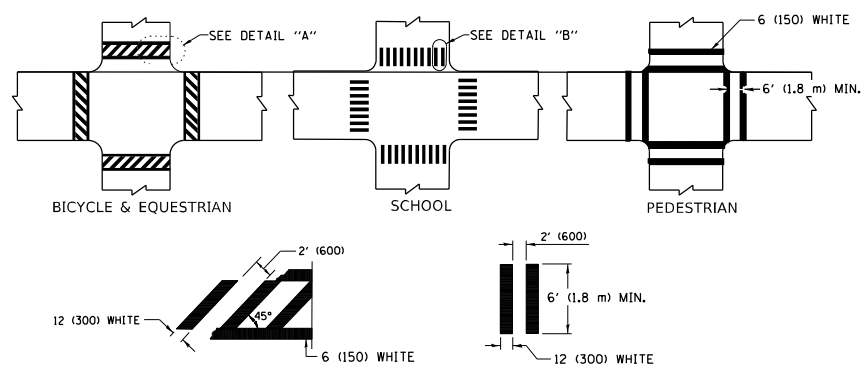


MULTI-LANE UNDIVIDED



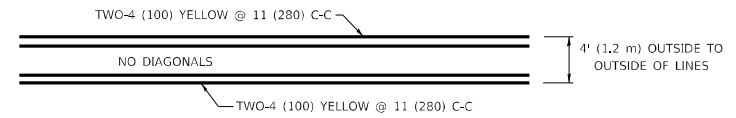
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

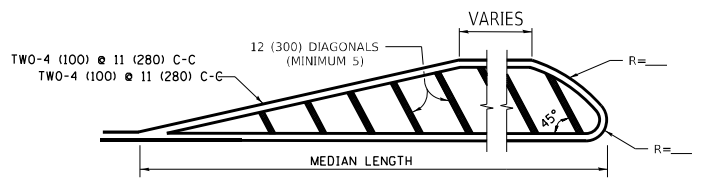


TYPICAL CROSSWALK MARKING

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

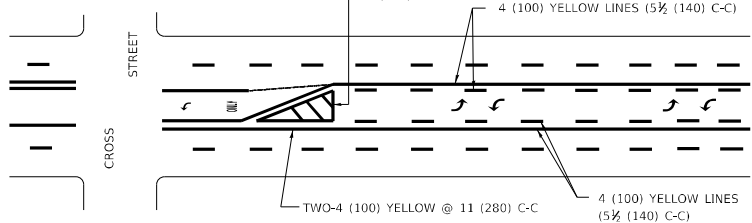


4' (1.2 m) WIDE MEDIANS ONLY



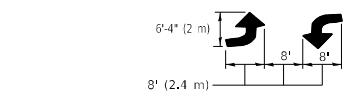
MEDIANS OVER 4' (1.2 m) WIDE

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

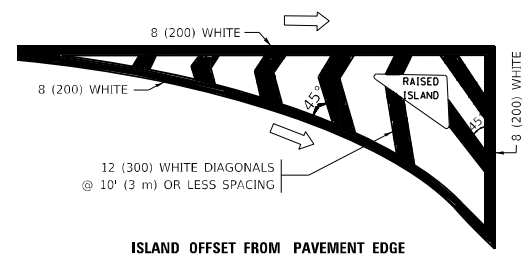
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



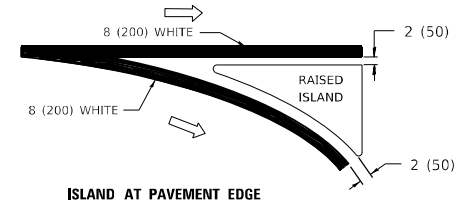
TYPICAL LEFT (OR RIGHT) TURN LANE

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".

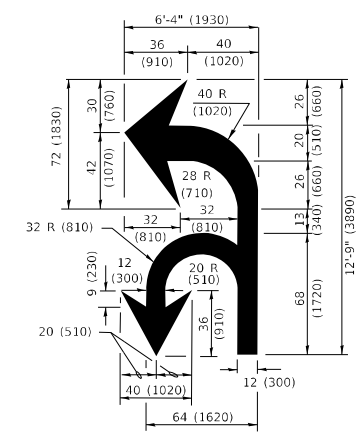


ISLAND OFFSET FROM PAVEMENT EDGE

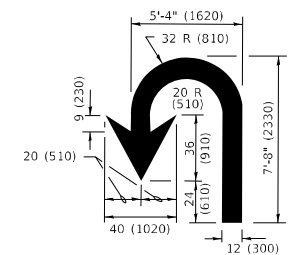


ISLAND AT PAVEMENT EDGE

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	2 @ 4 (100) EACH DIRECTION 8" (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 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" IS 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 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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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 5/23/2022	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS					134	115
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO.		

TC-13		ILLINOIS	FED. AID PROJECT
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TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

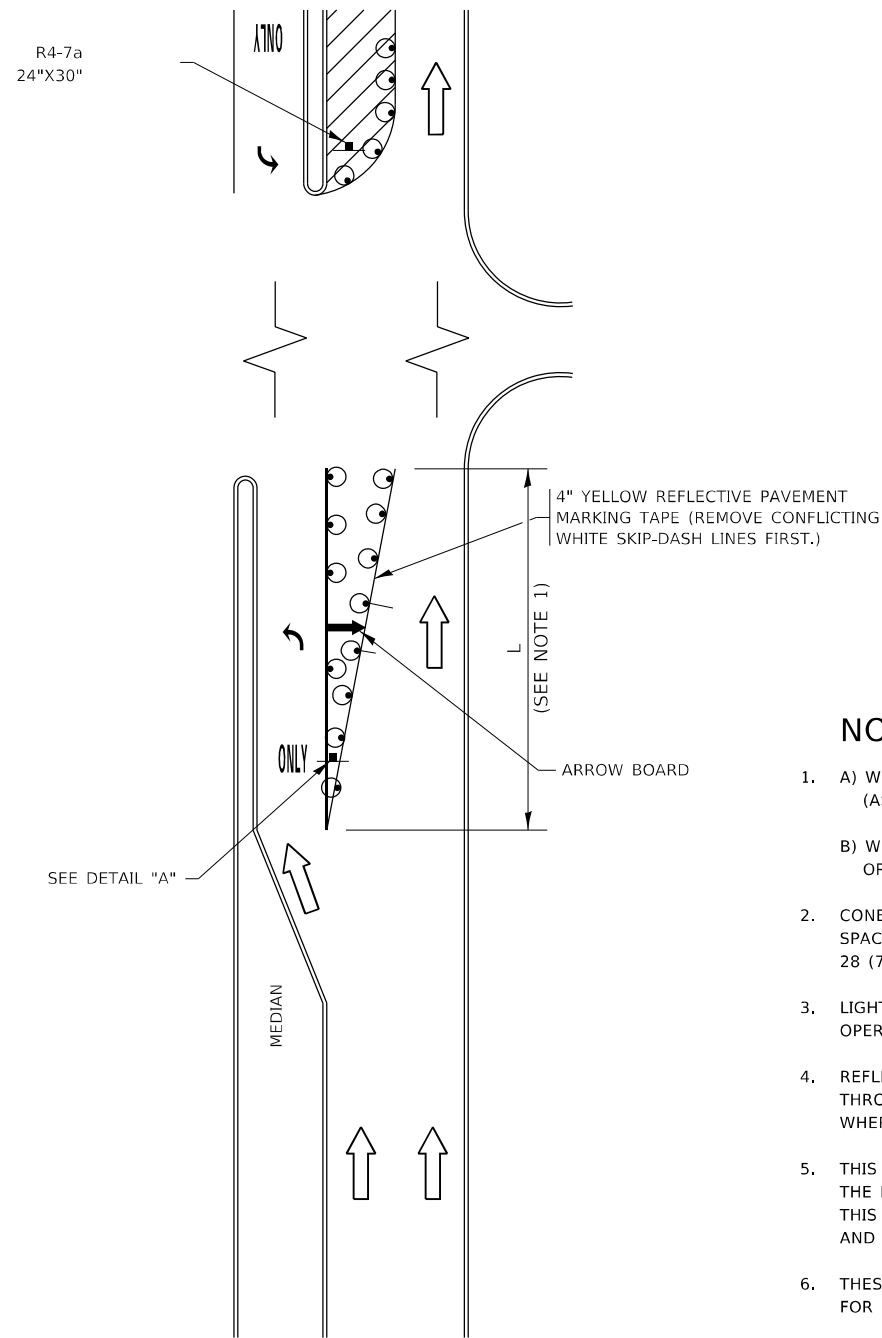
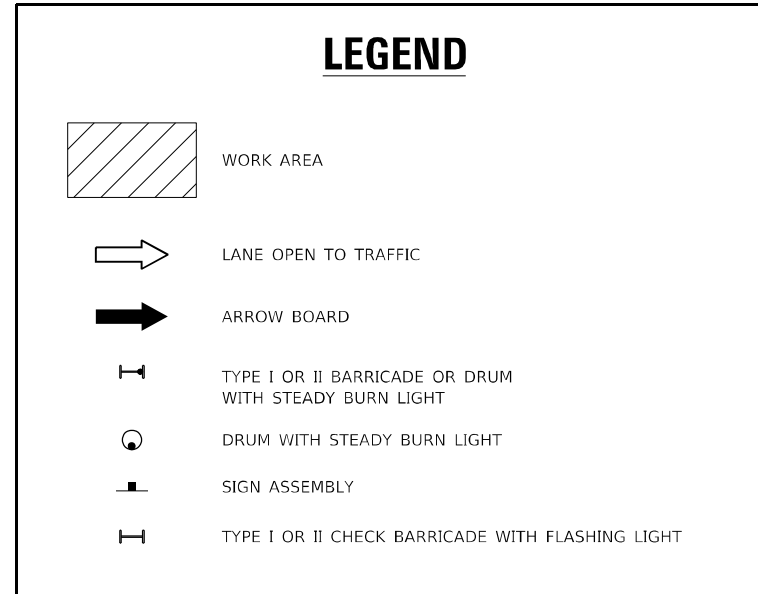


FIGURE 1



NOTES:

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

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

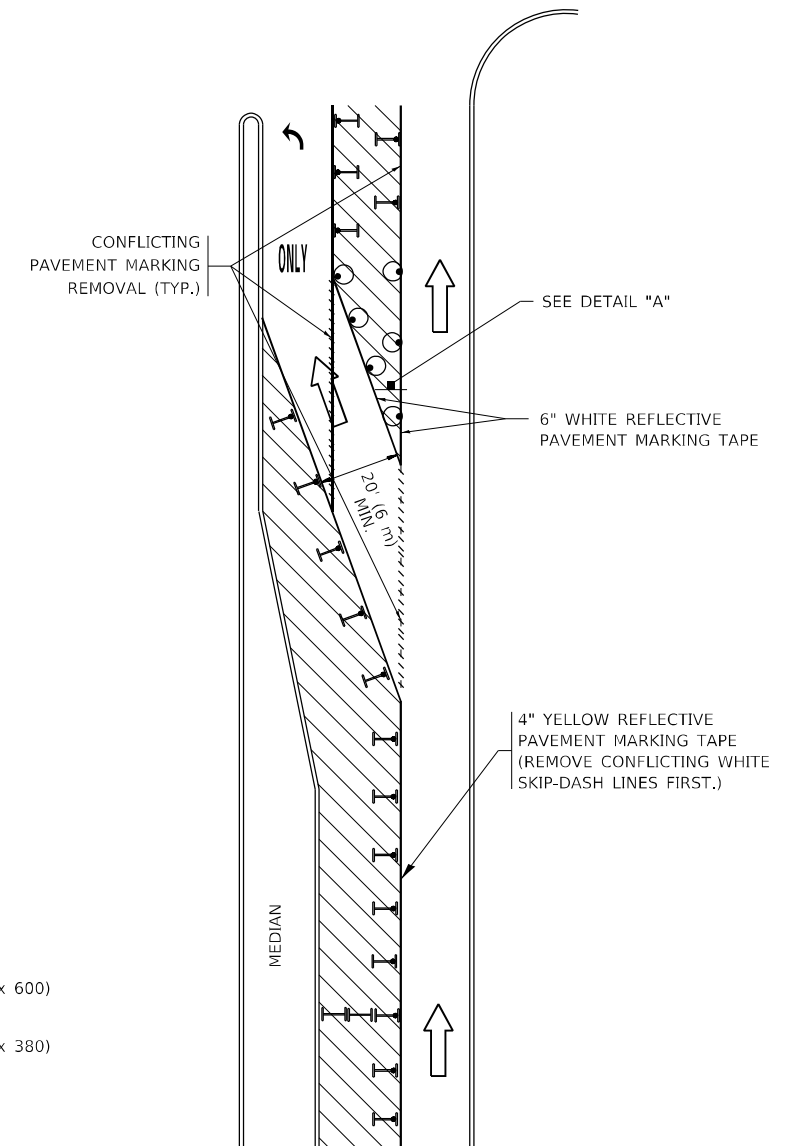
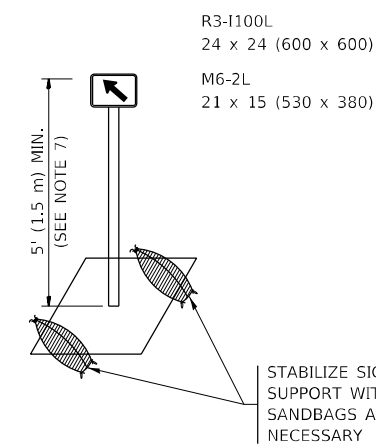


FIGURE 2



DETAIL A

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

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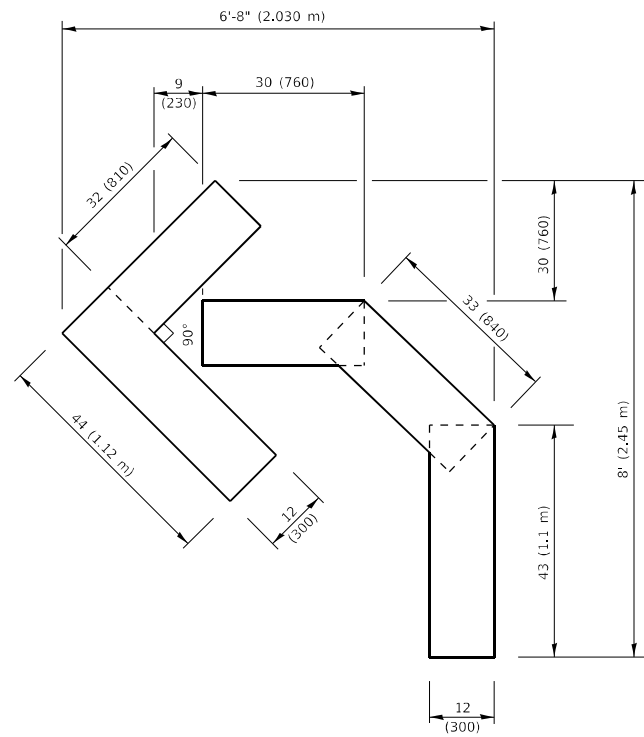
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DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/23/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

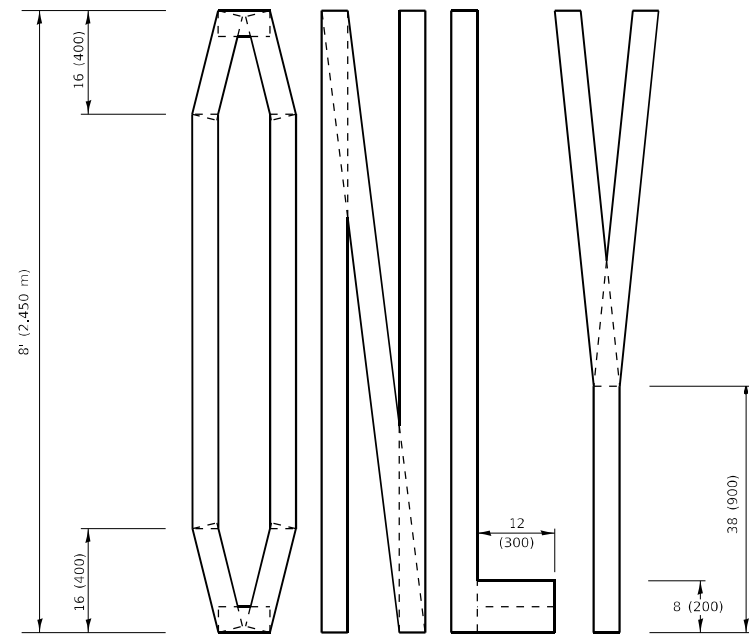
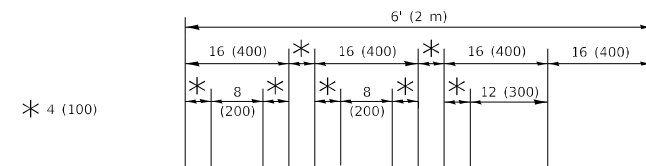
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14		134	116
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



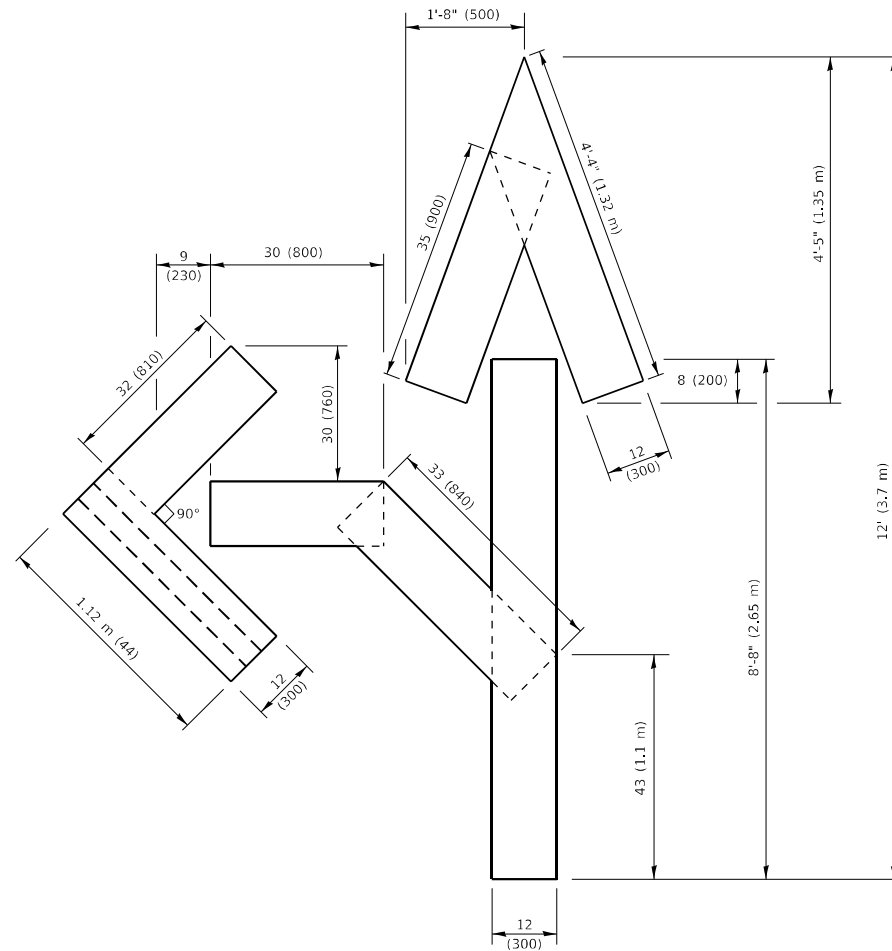
QUANTITY

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



QUANTITY

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

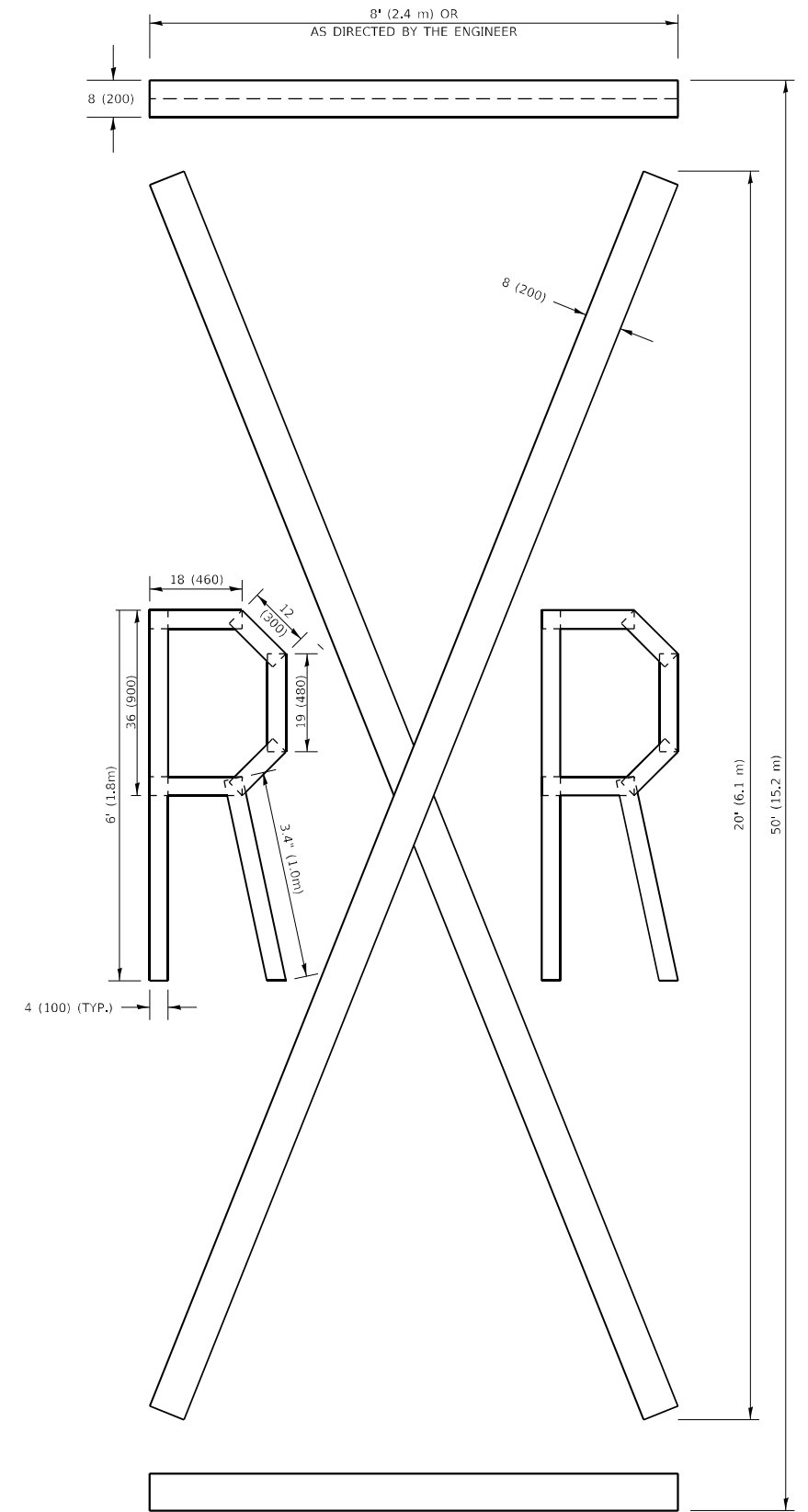


QUANTITY

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



QUANTITY

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

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

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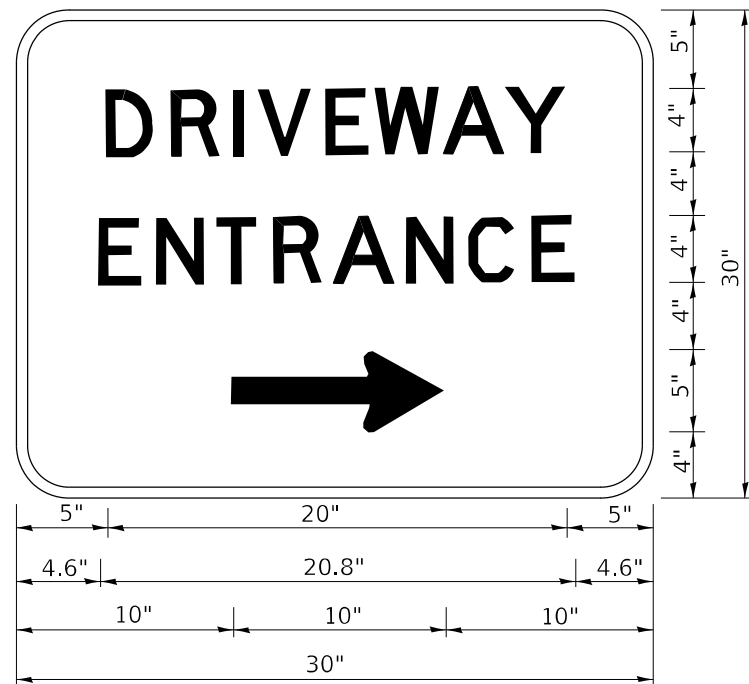
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PLOT DATE = 5/23/2022	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			134	117
TC-16			CONTRACT NO.	
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

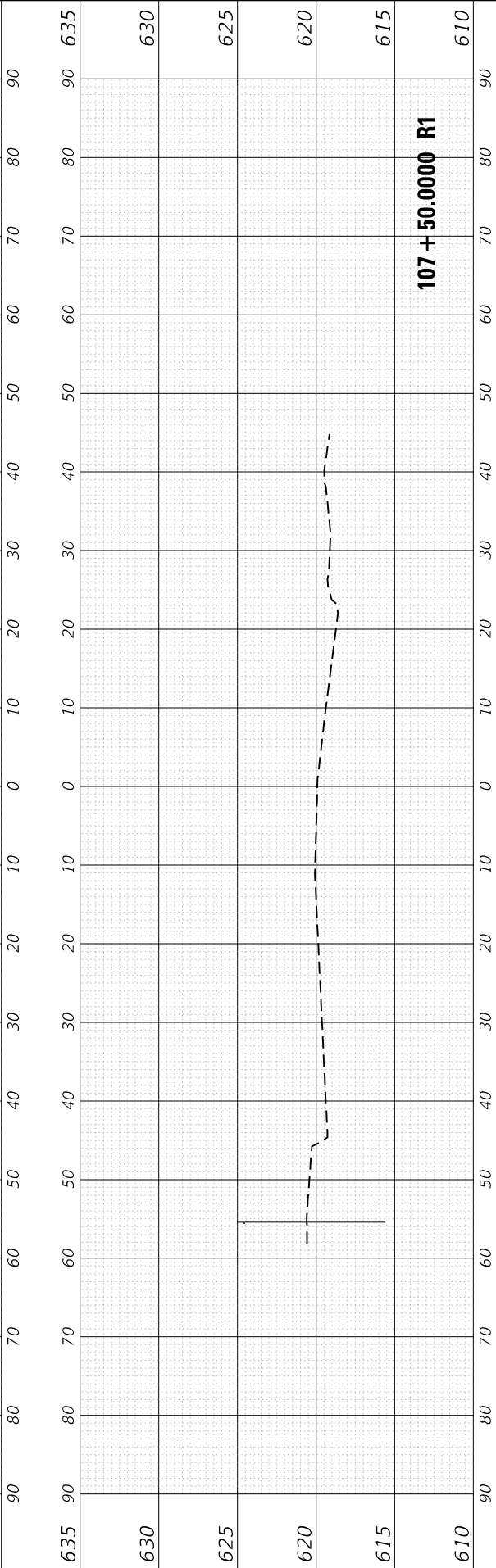
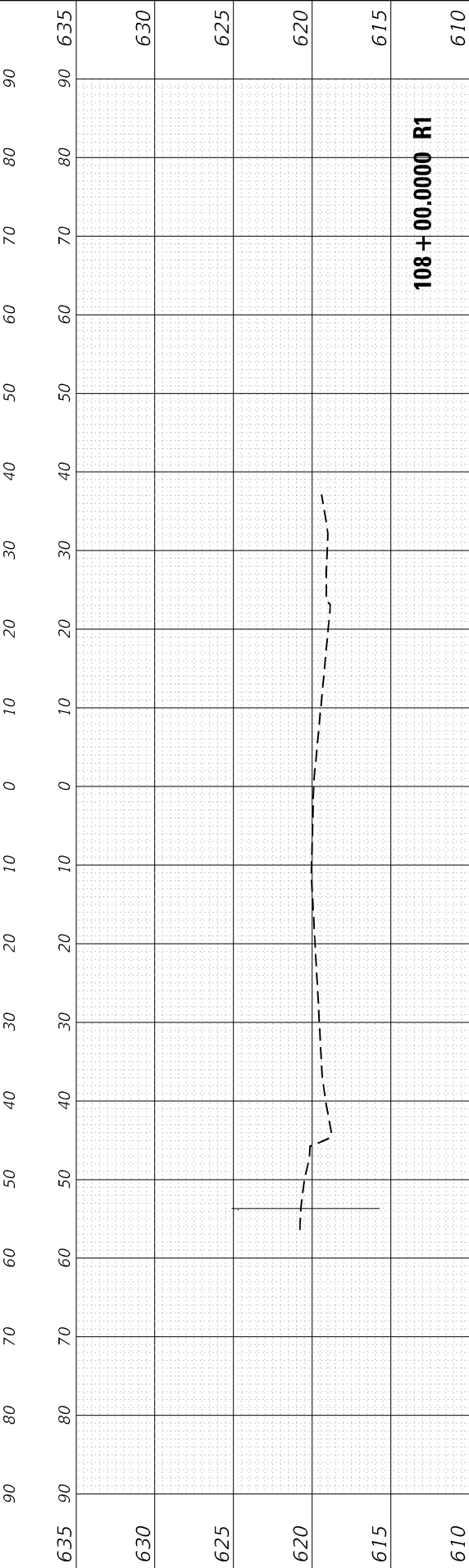
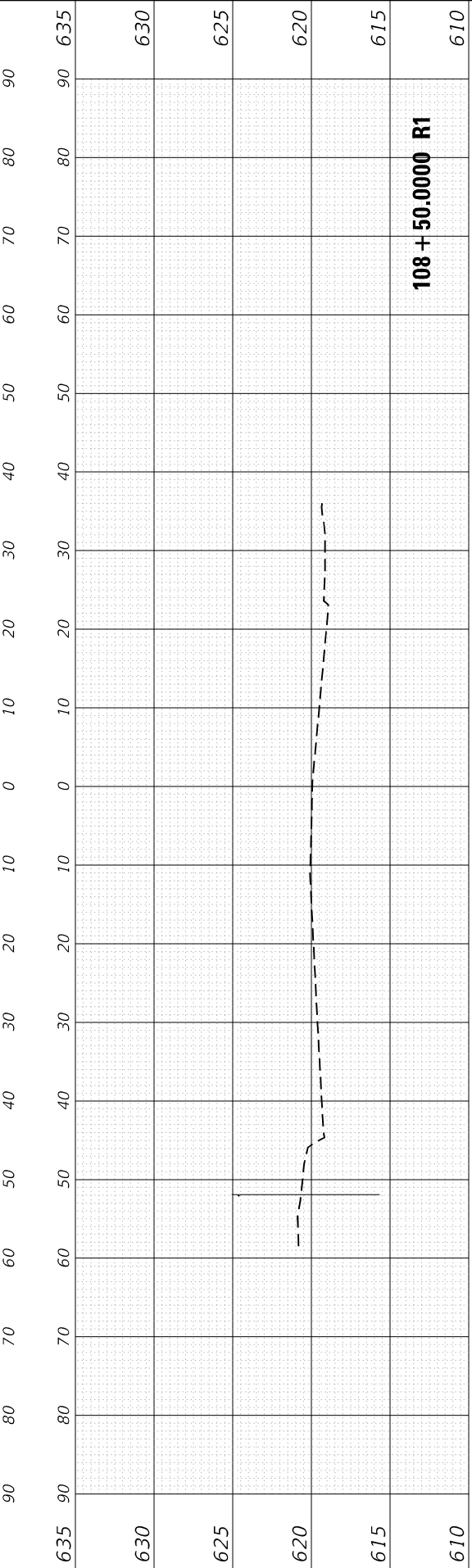
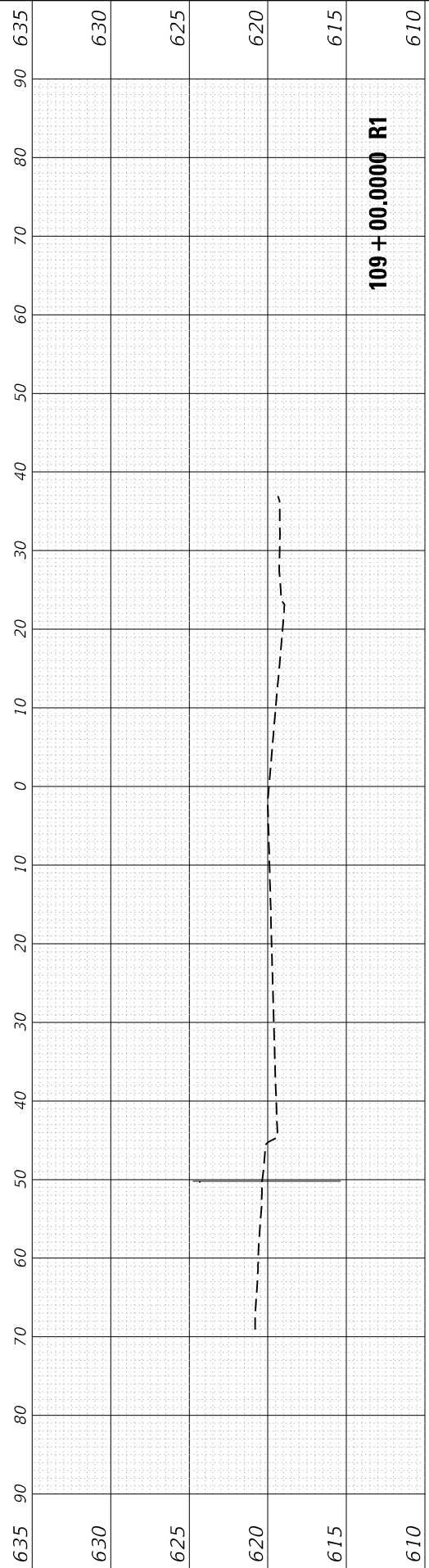
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-26			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: SHEET OF SHEETS STA. 107+50.0000 R1 TO STA. 109+00.0000 R1

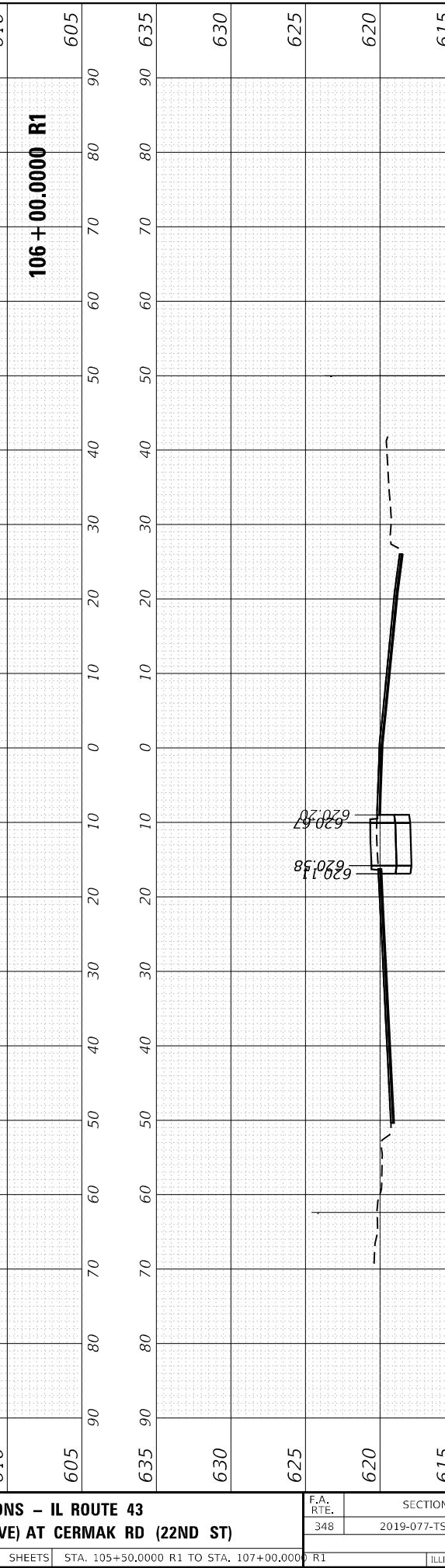
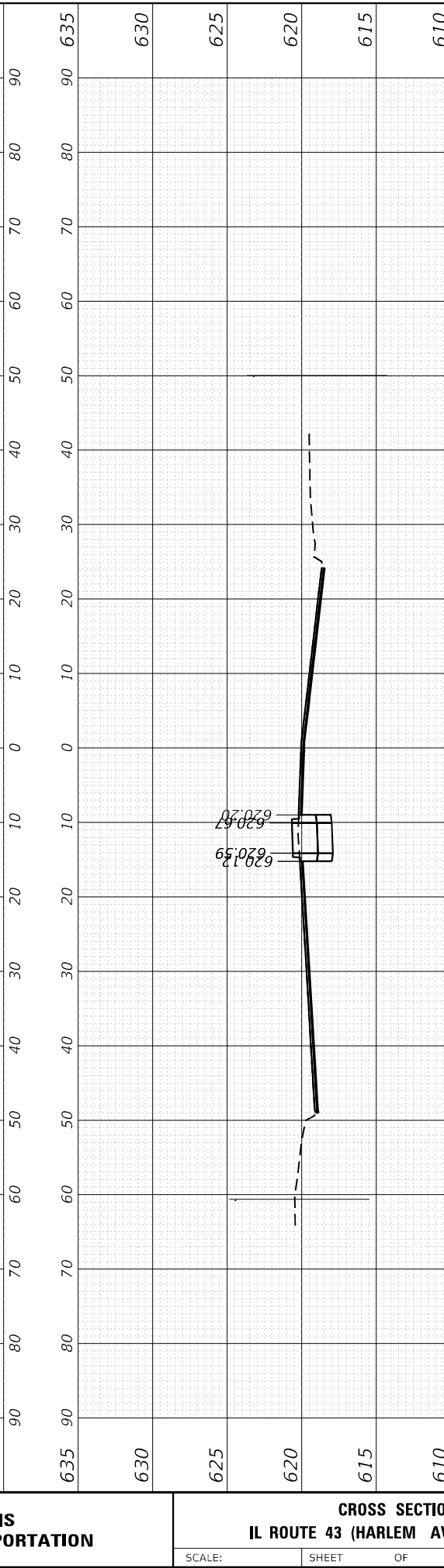
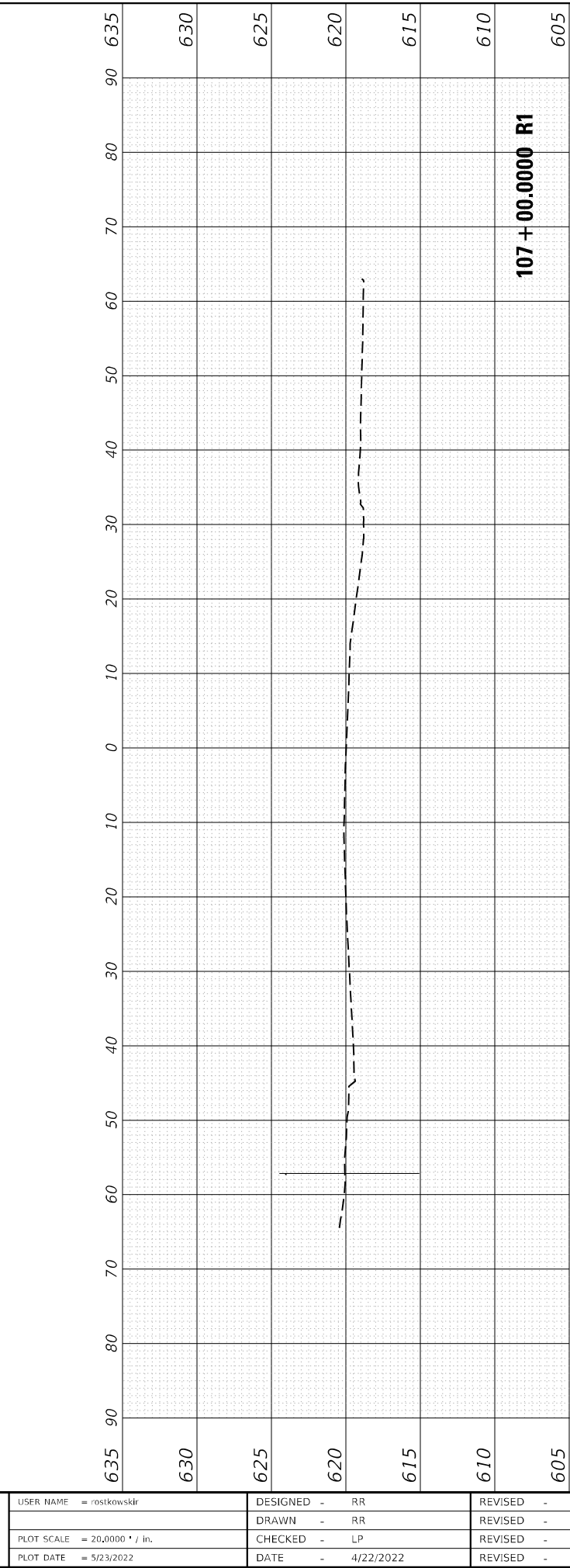
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62J47				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

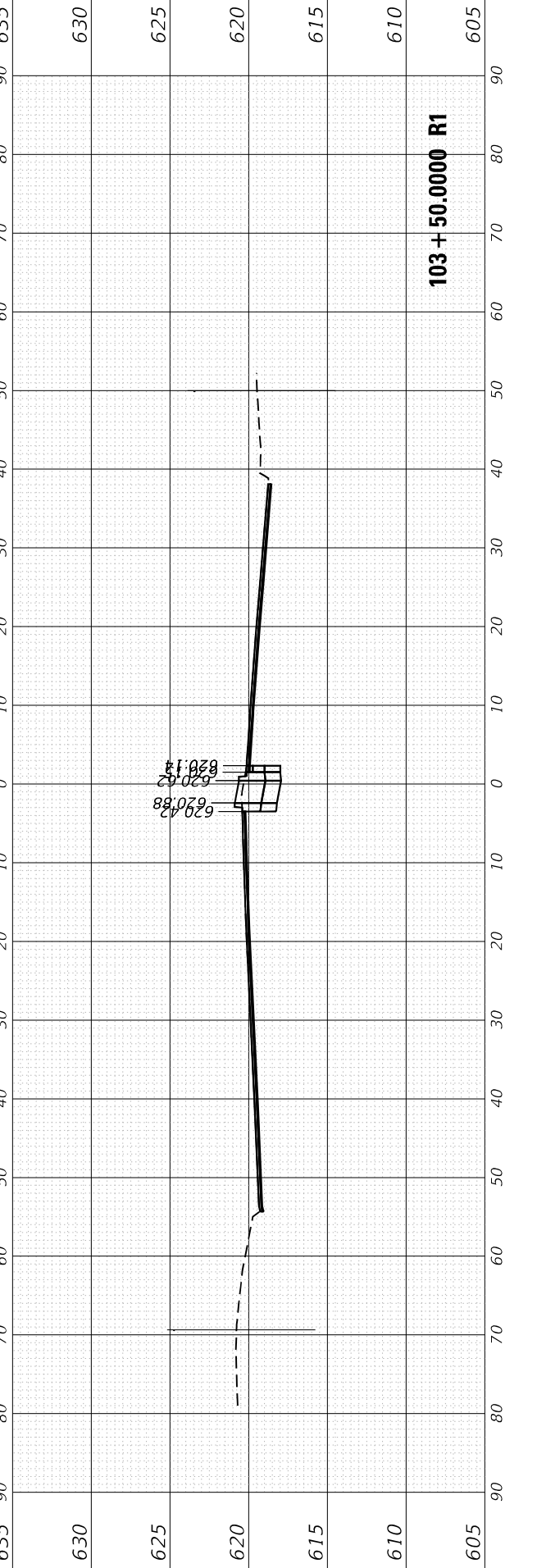
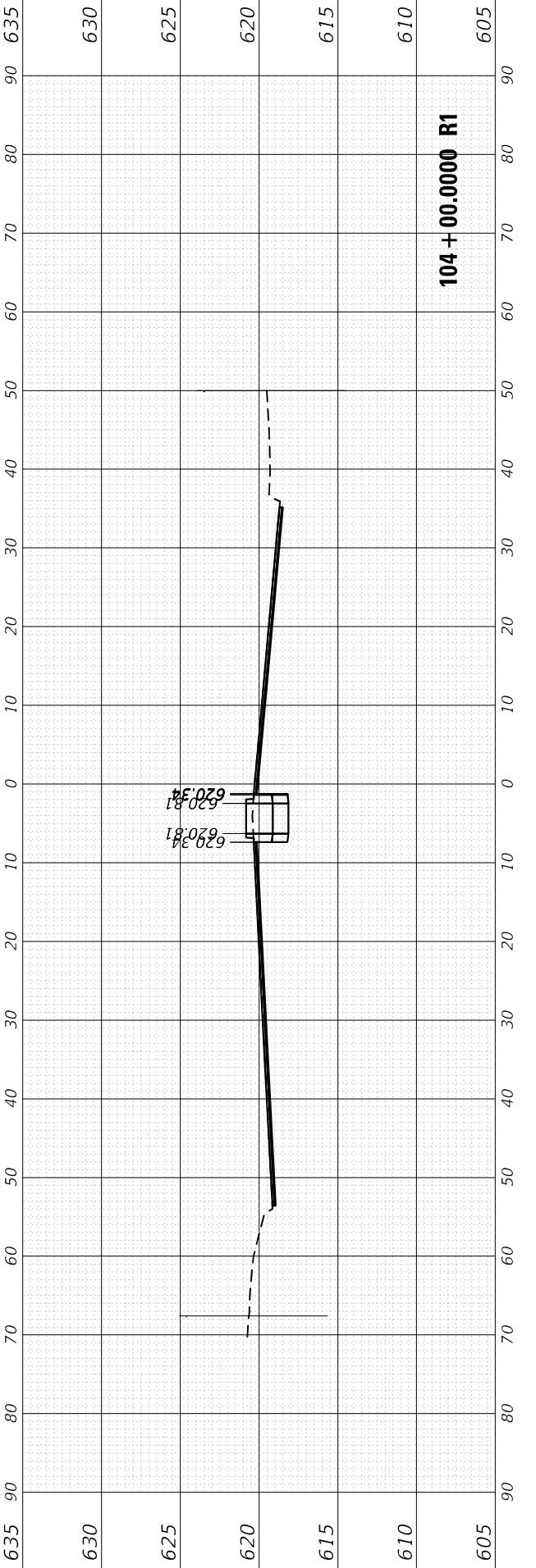
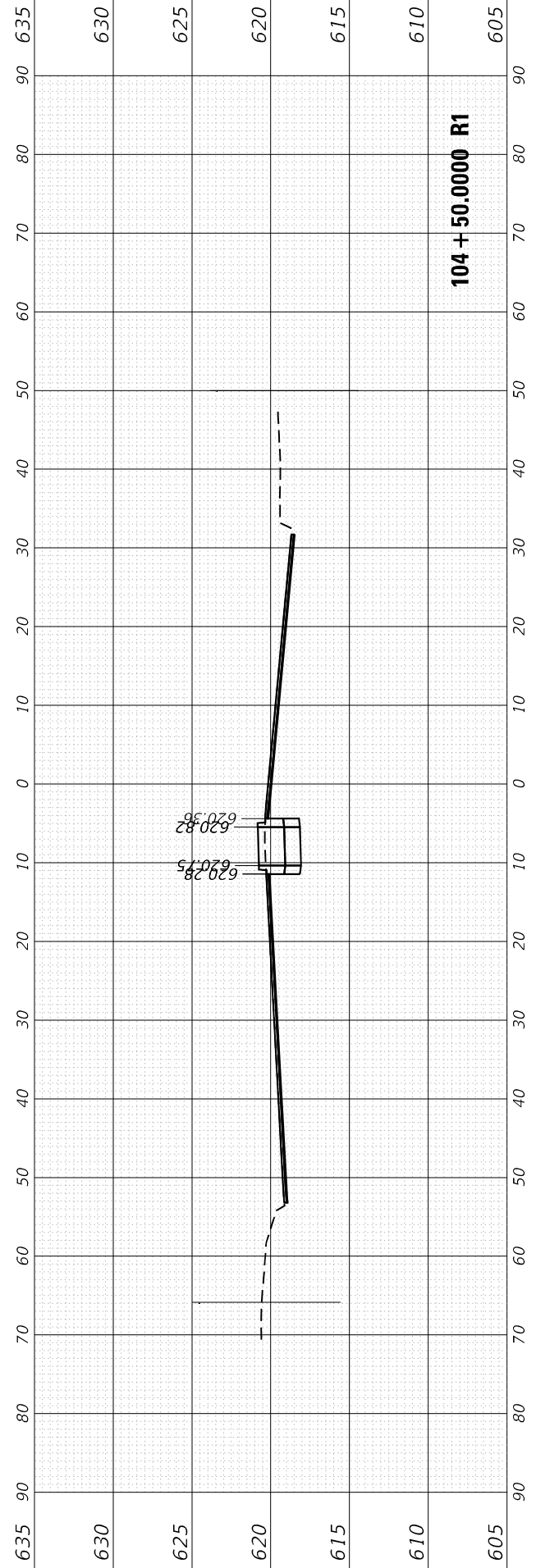
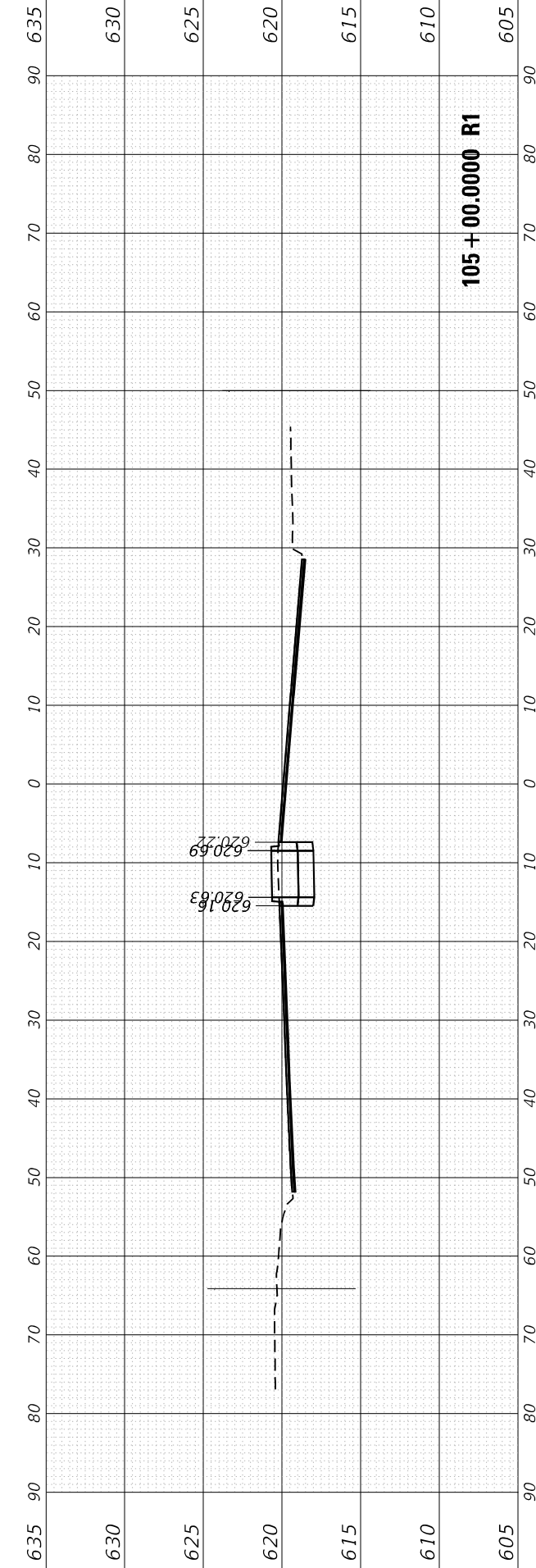
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62147			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
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NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

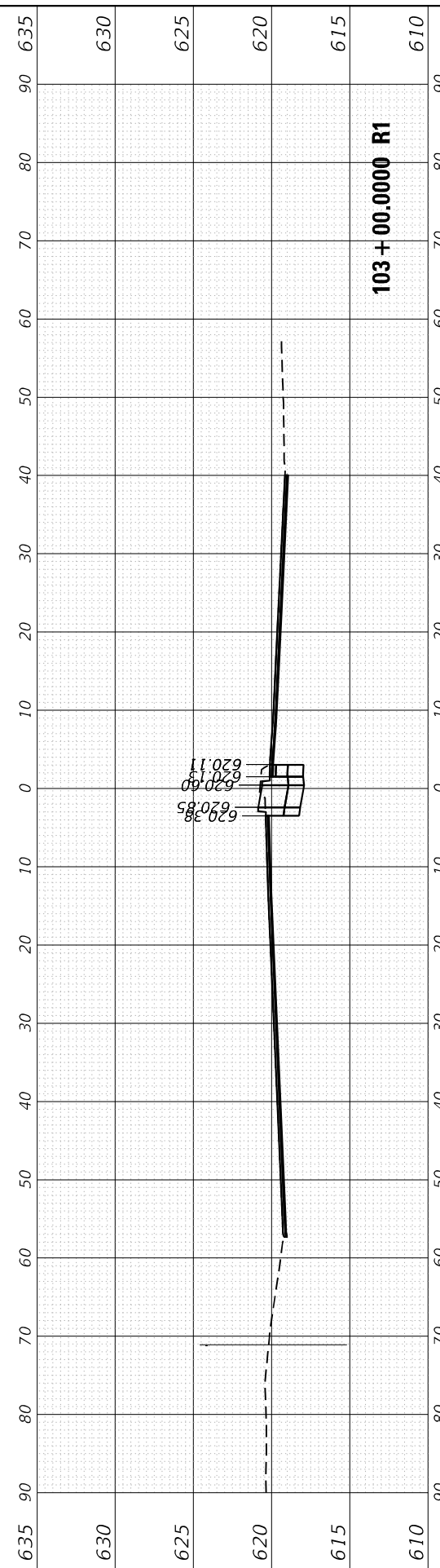
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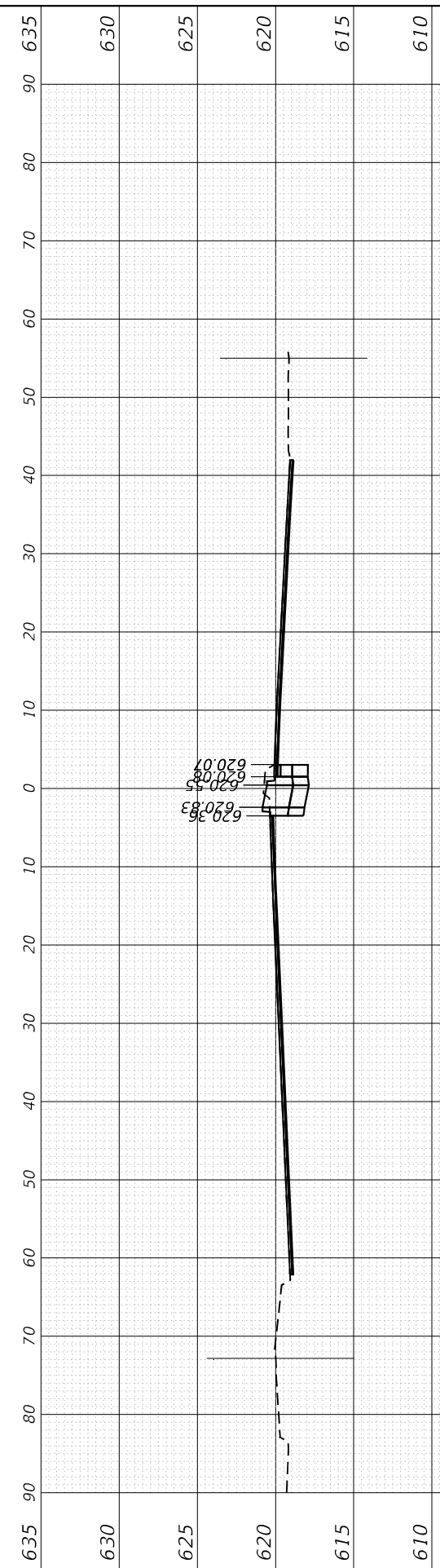
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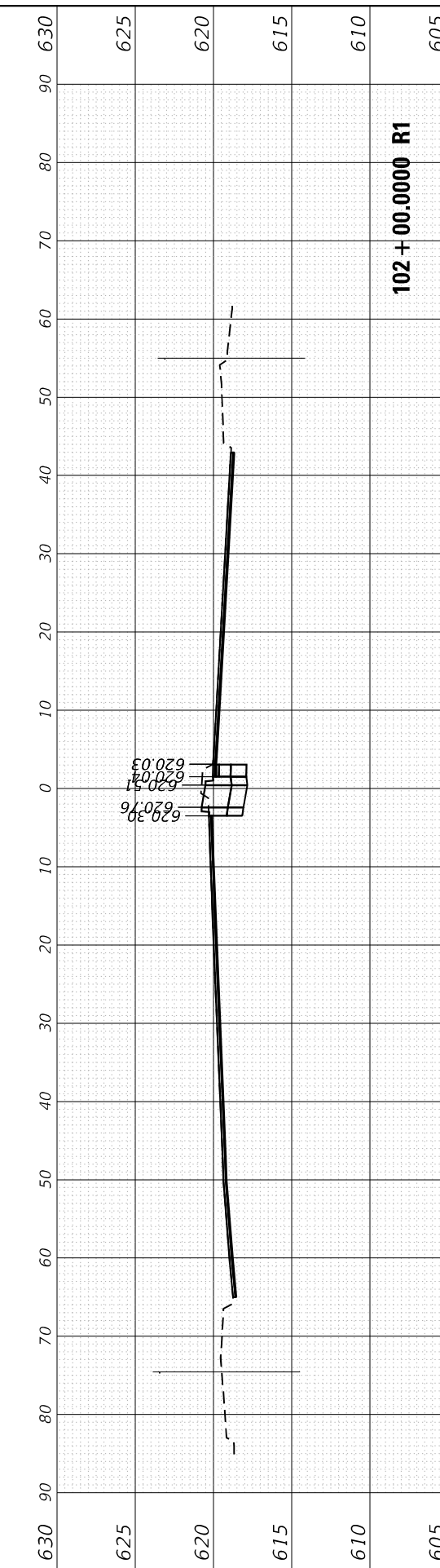
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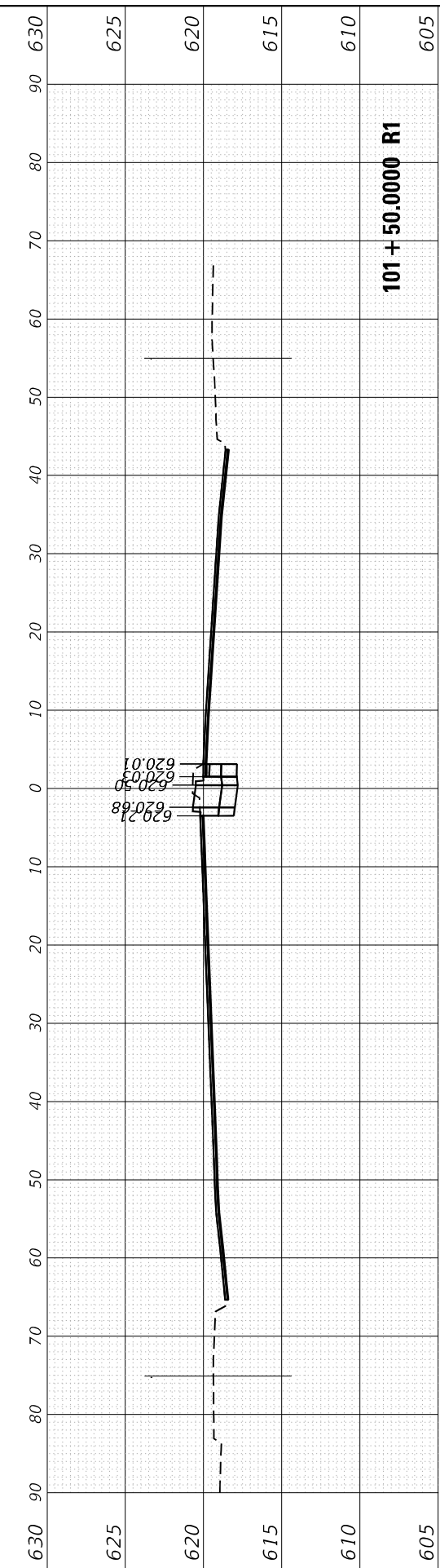
103 + 00.0000 R1



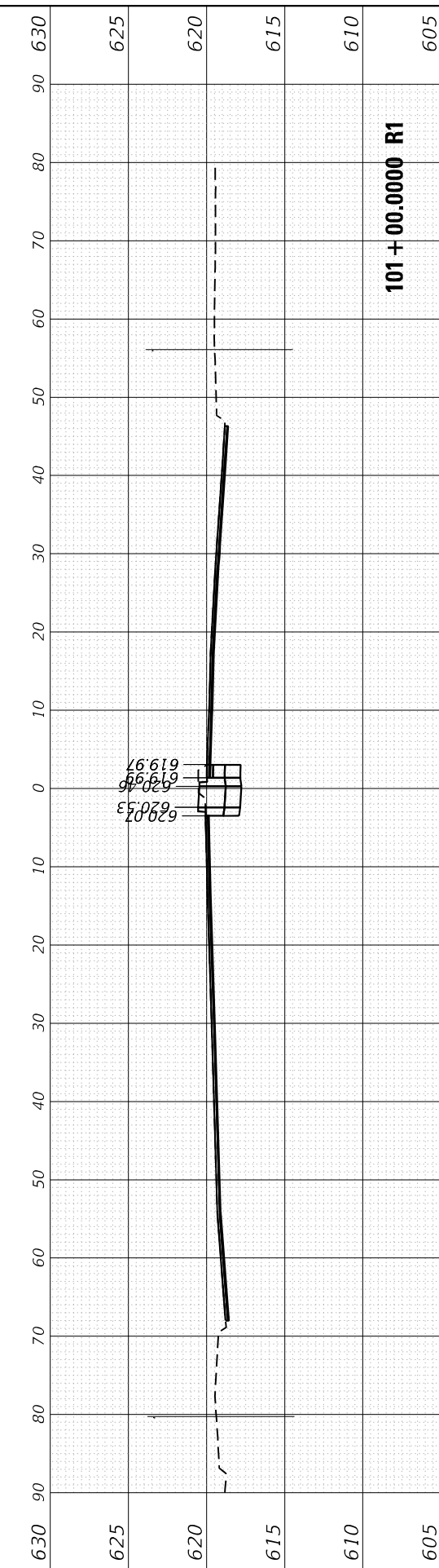
102 + 50.0000 R1



102 + 00.0000 R1



101 + 50.0000 R1



101 + 00.0000 R1

USER NAME = rostkowskdr	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: SHEET OF SHEETS STA. 101+00.0000 R1 TO STA. 103+00.0000 R1

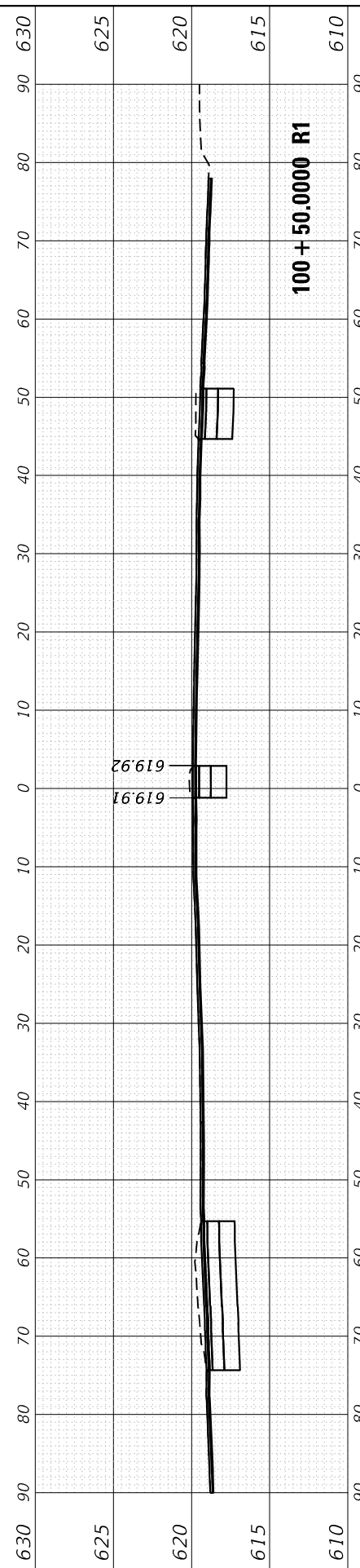
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&SW	COOK	134	123
CONTRACT NO. 62J47				

ILLINOIS FED. AID PROJECT

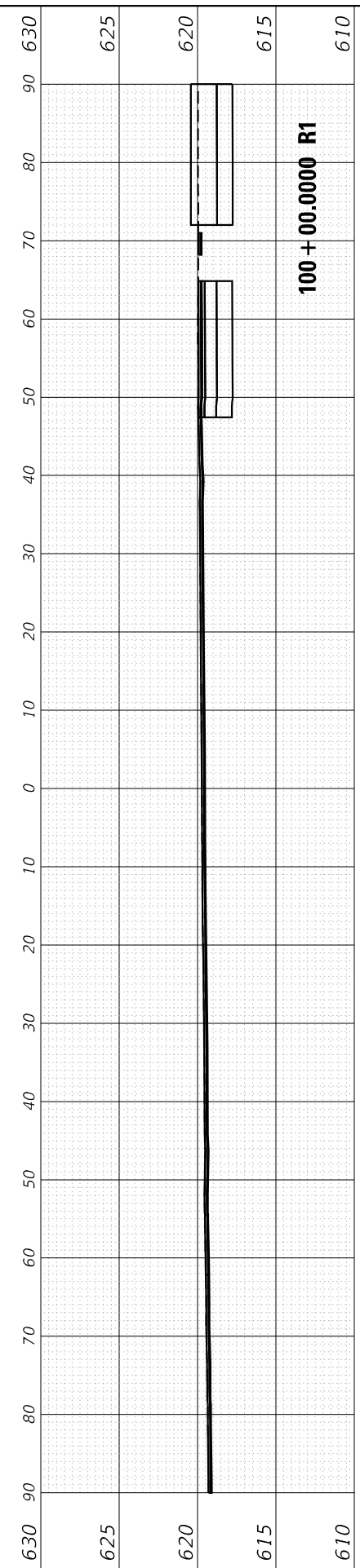
FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

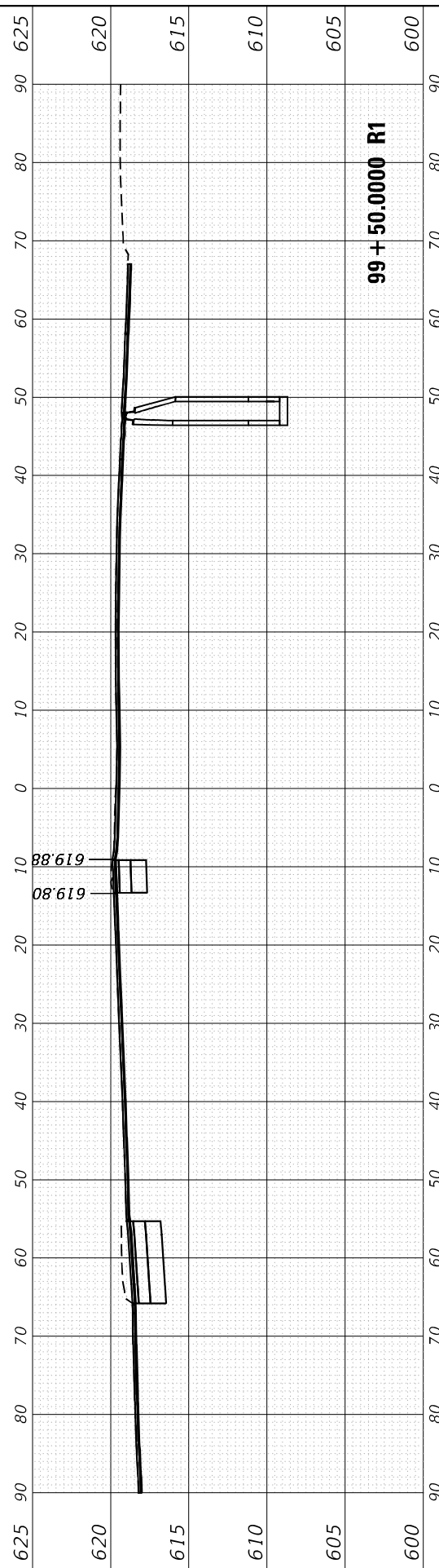
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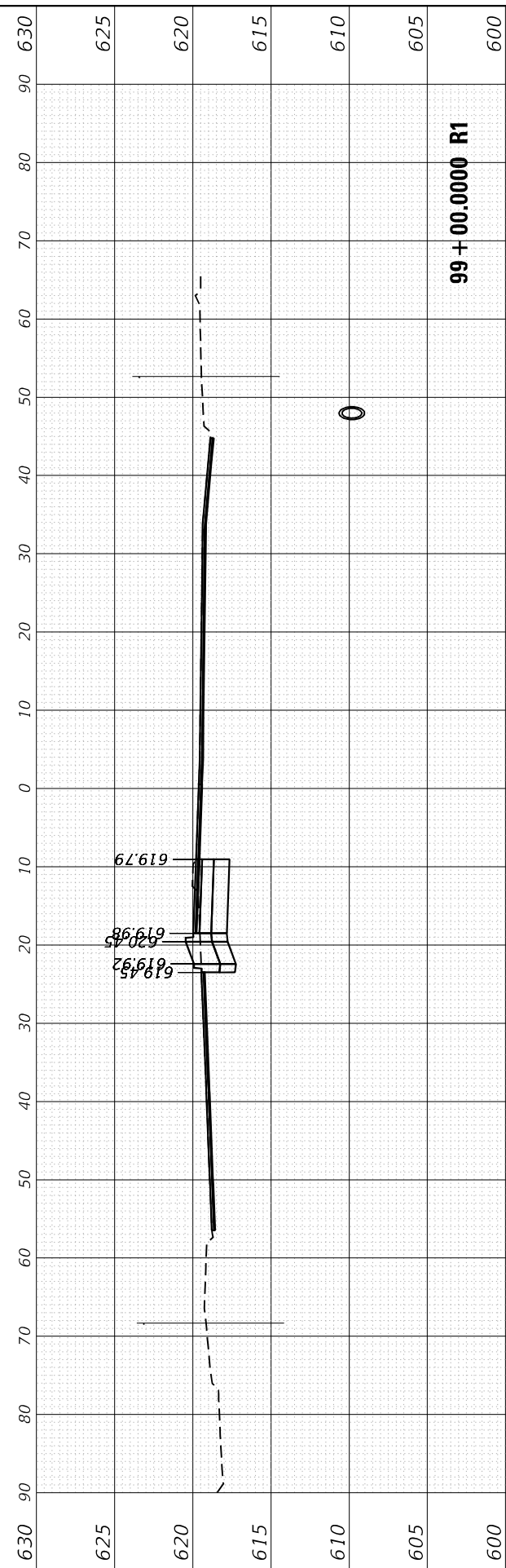
100 + 50.0000 R1



99 + 50.0000 R1



99 + 00.0000 R1



98 + 50.0000 R1

USER NAME = rsknwsklr	DESIGNED - RR	REVISD -
	DRAWN - RR	REVISD -
PLOT SCALE = 20,0000 * / in.	CHECKED - LP	REVISD -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: SHEET OF SHEETS STA. 98+50.0000 R1 TO STA. 100+50.0000 R1

F.A. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 124
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J47	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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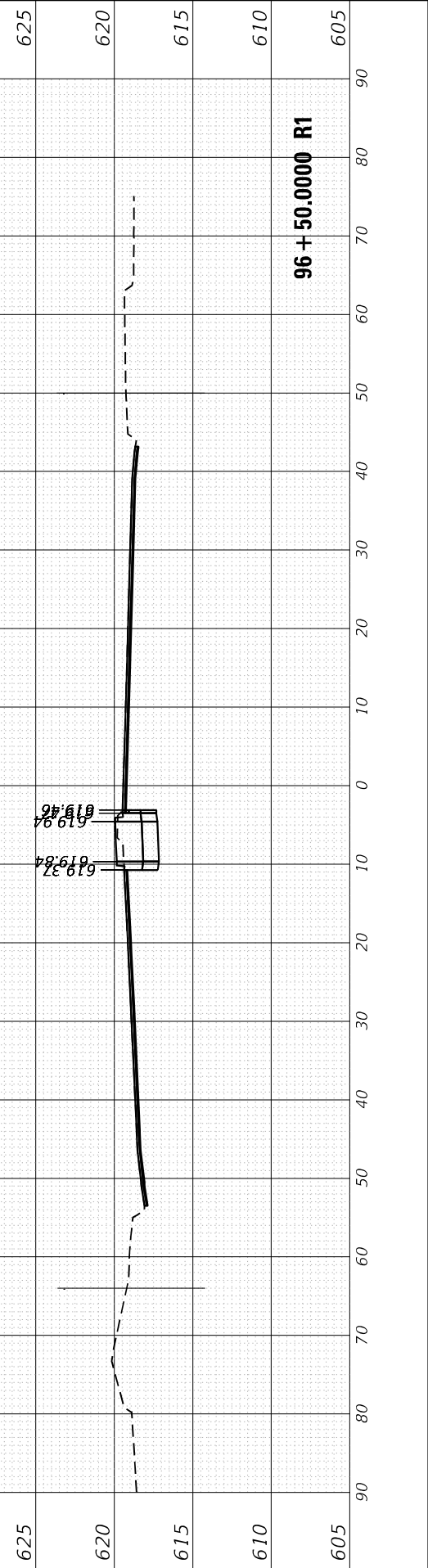
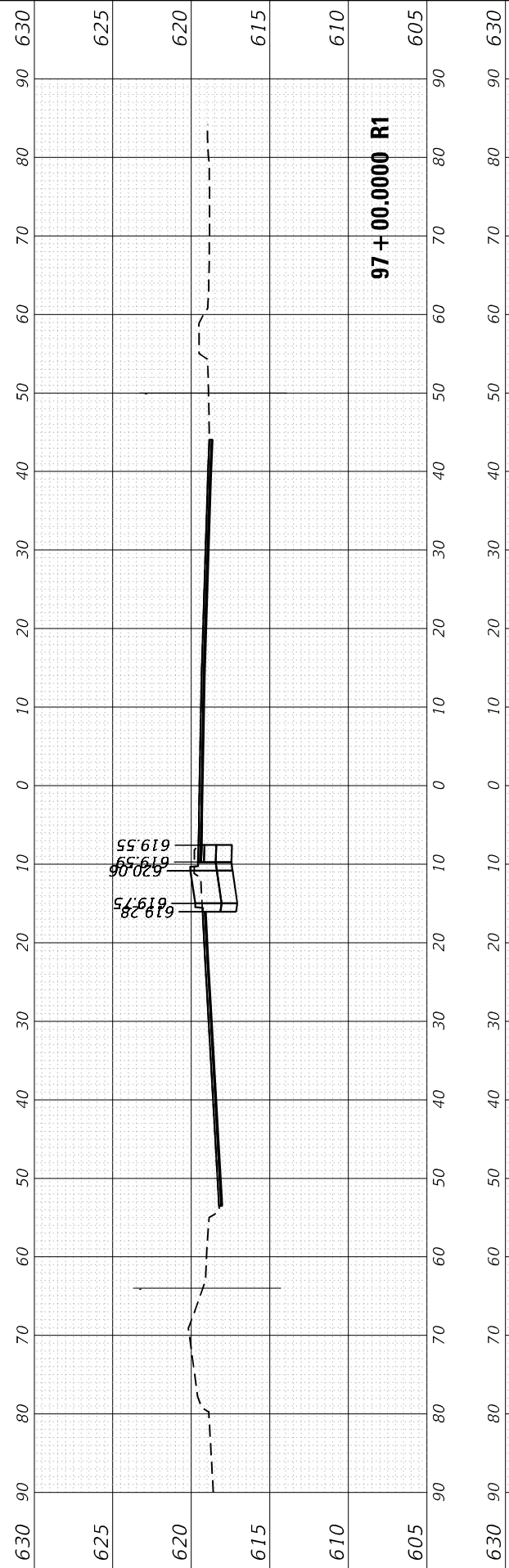
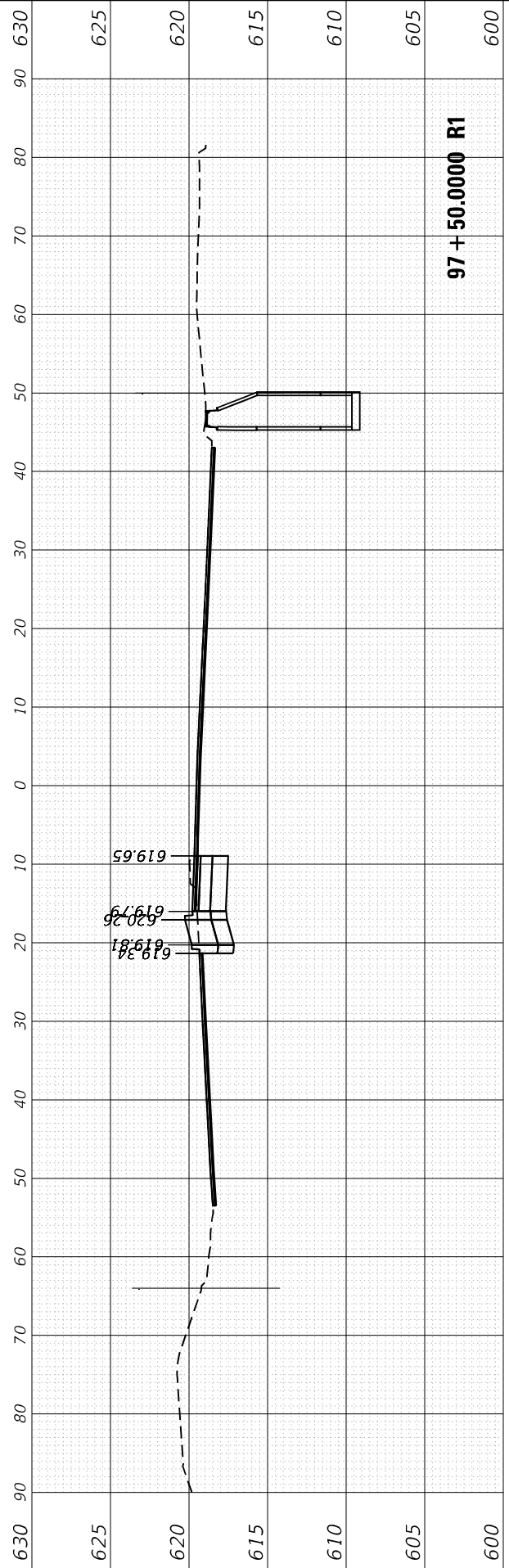
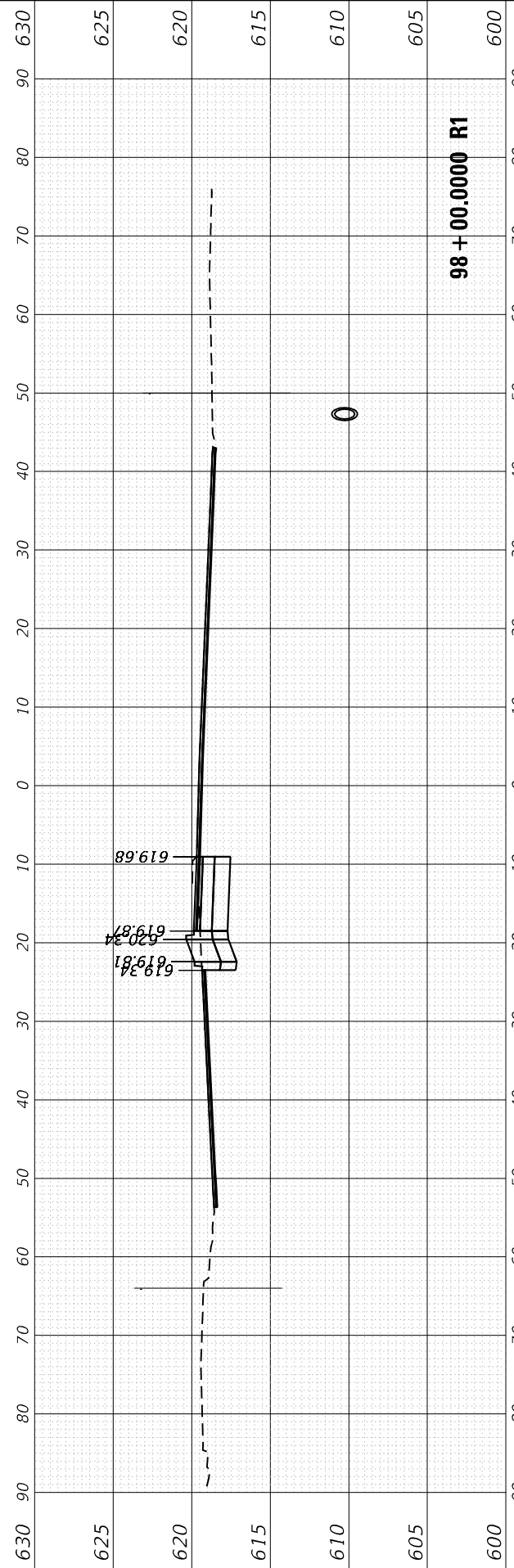
USER NAME = rostkowski	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: SHEET OF SHEETS STA. 96+50.0000 R1 TO STA. 98+00.0000 R1

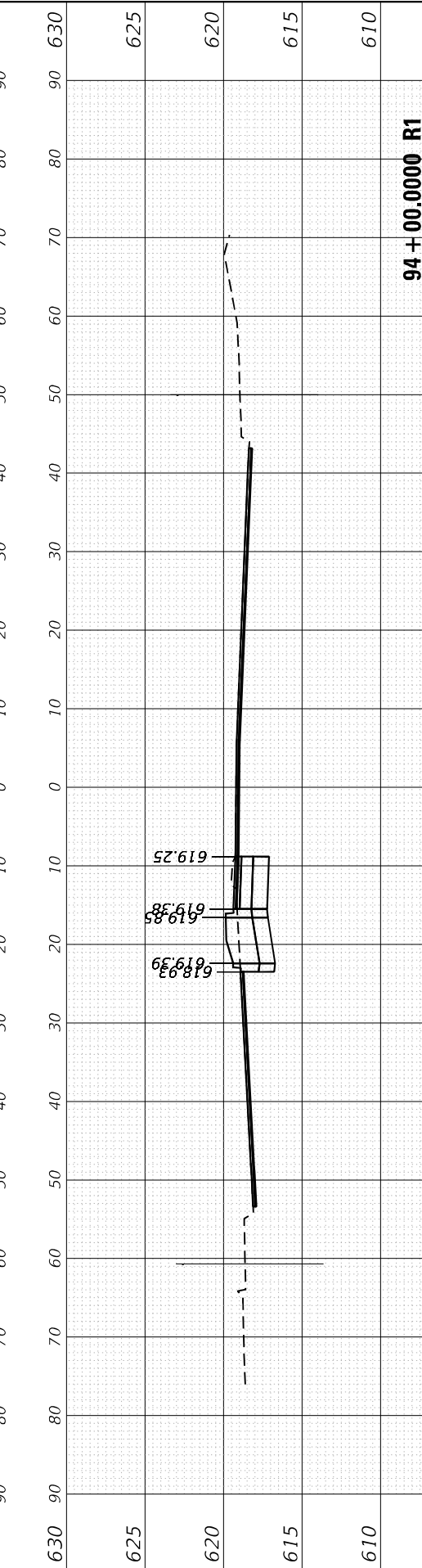
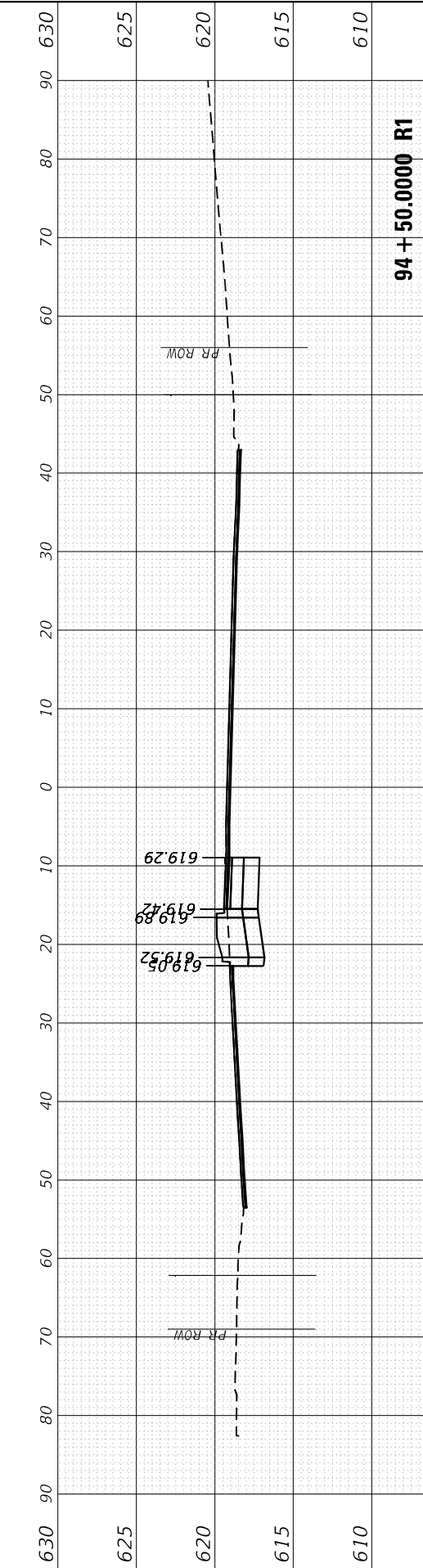
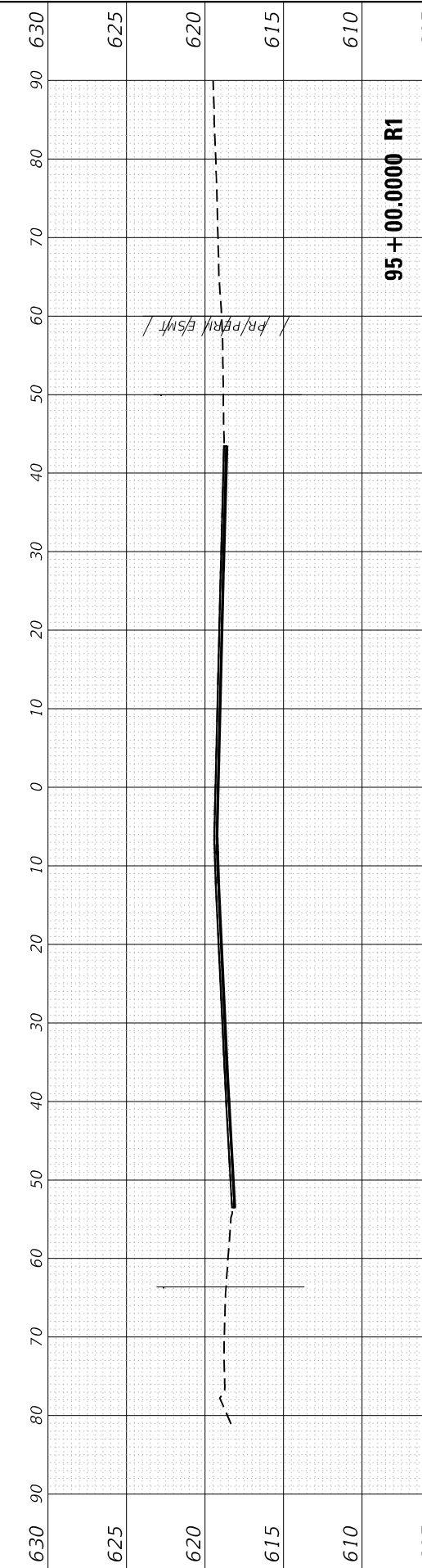
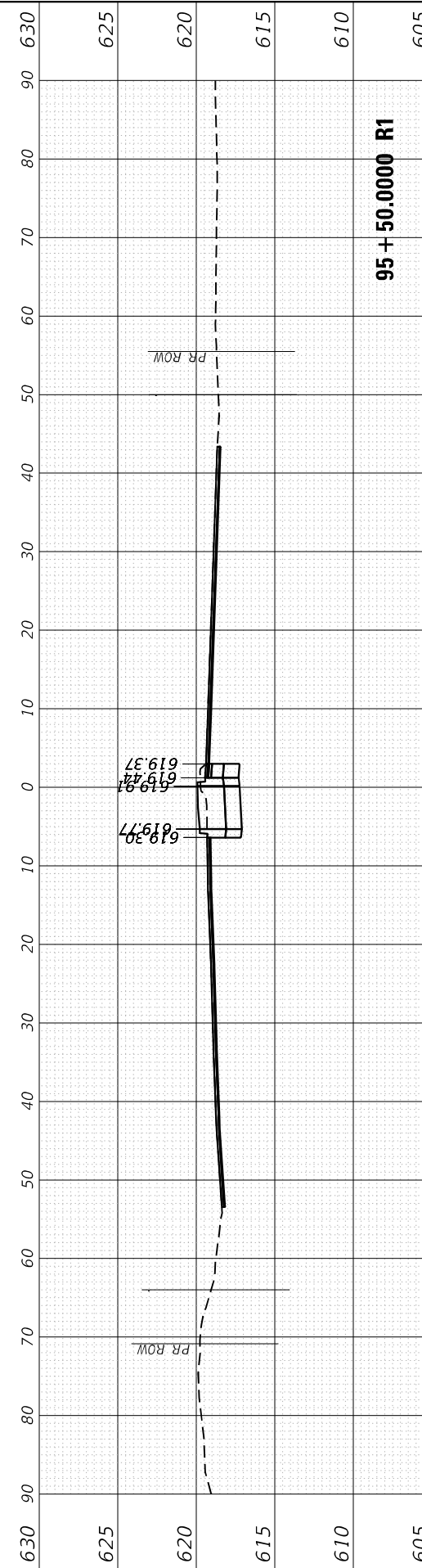
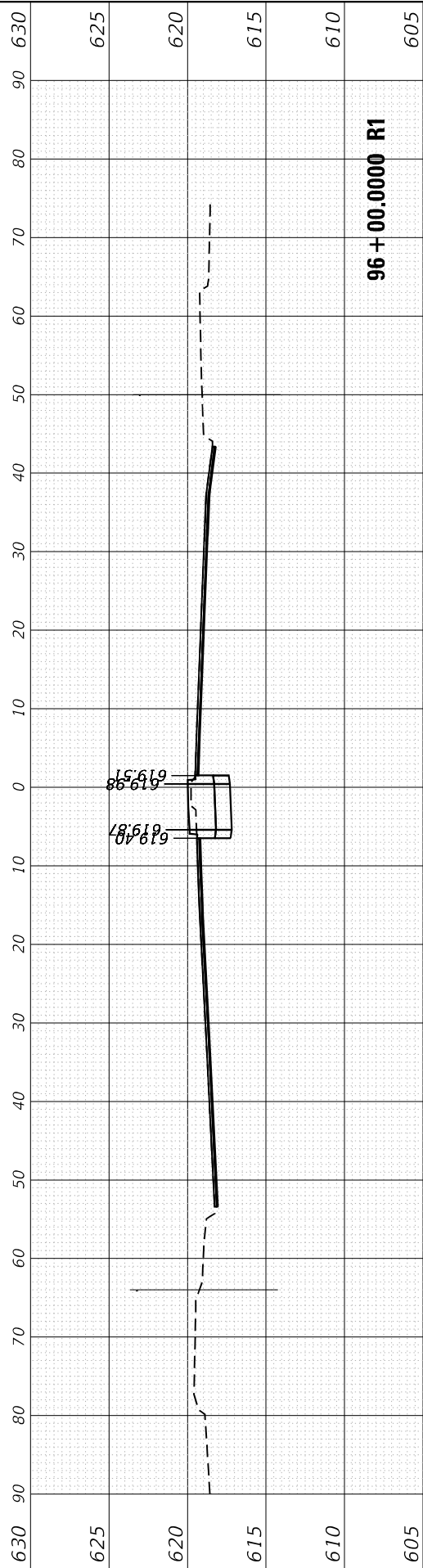
F.A. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 125
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = rostknwsklr	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

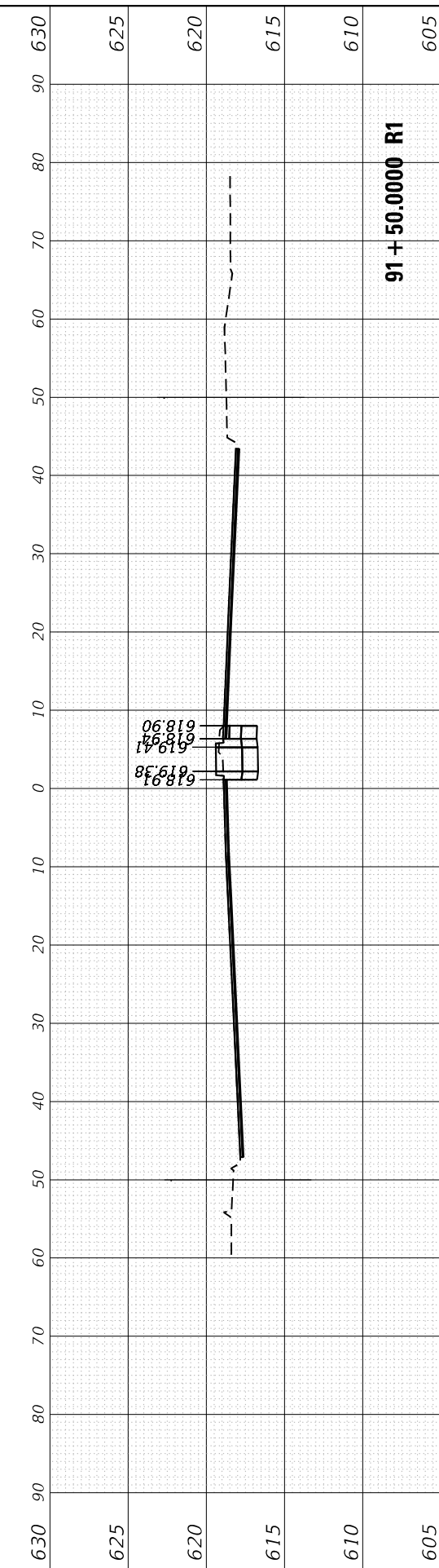
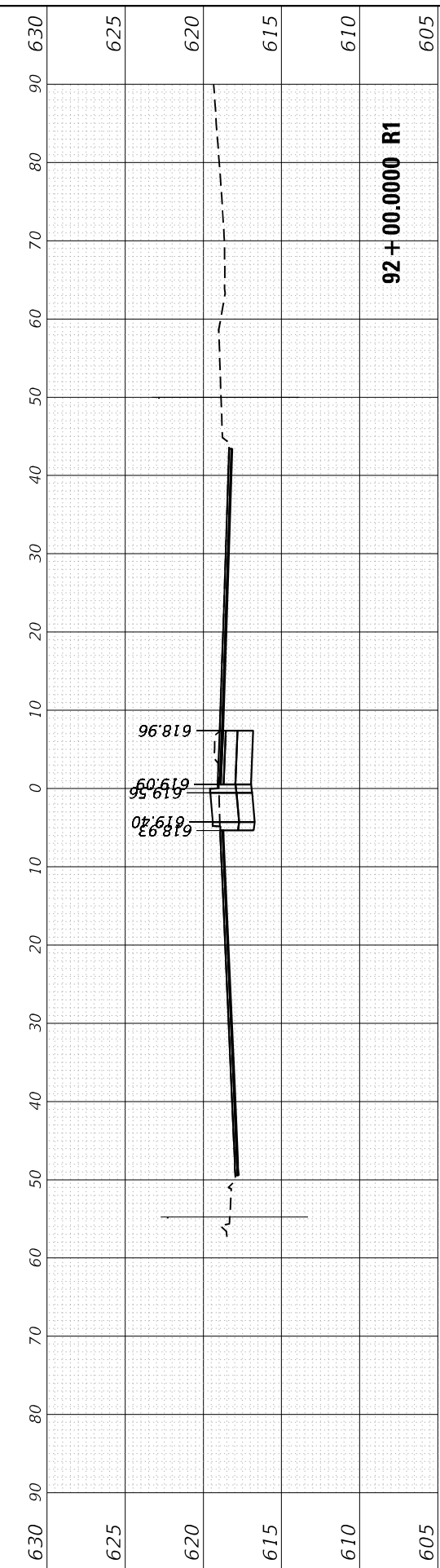
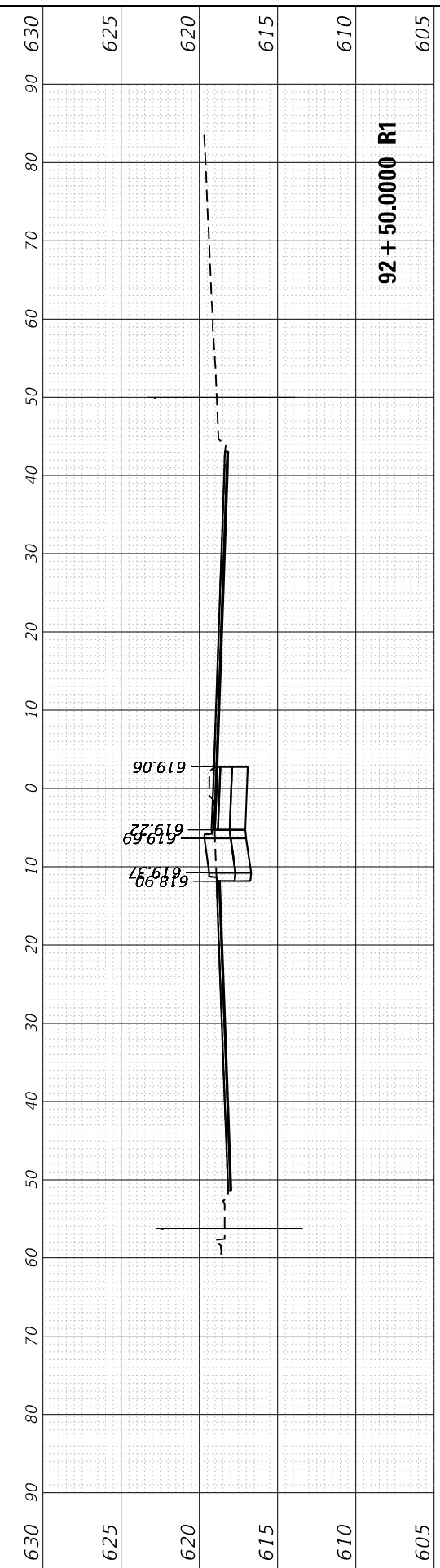
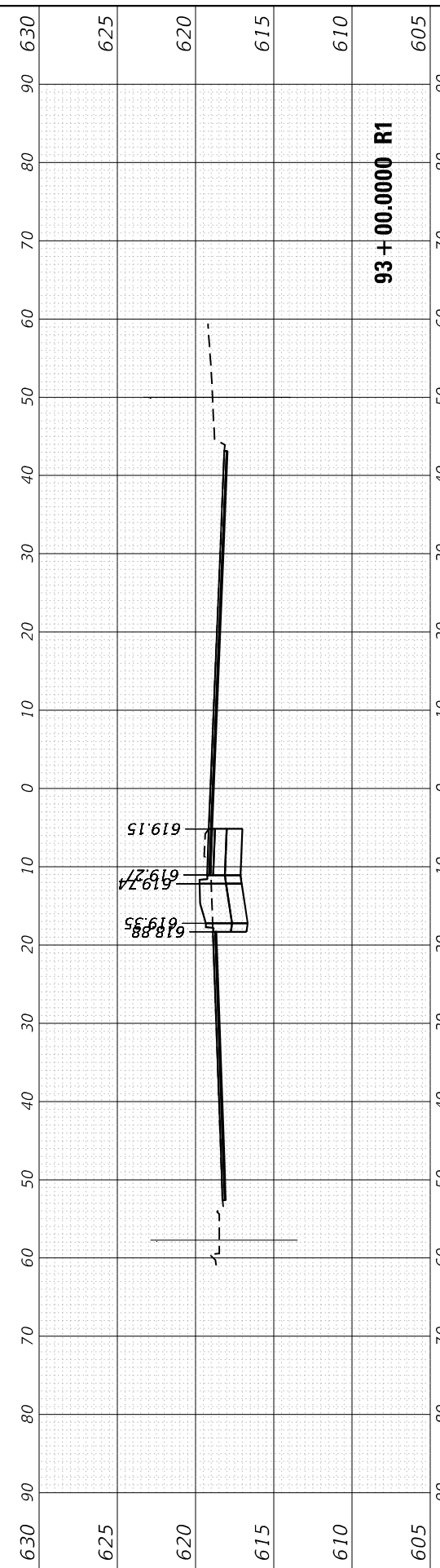
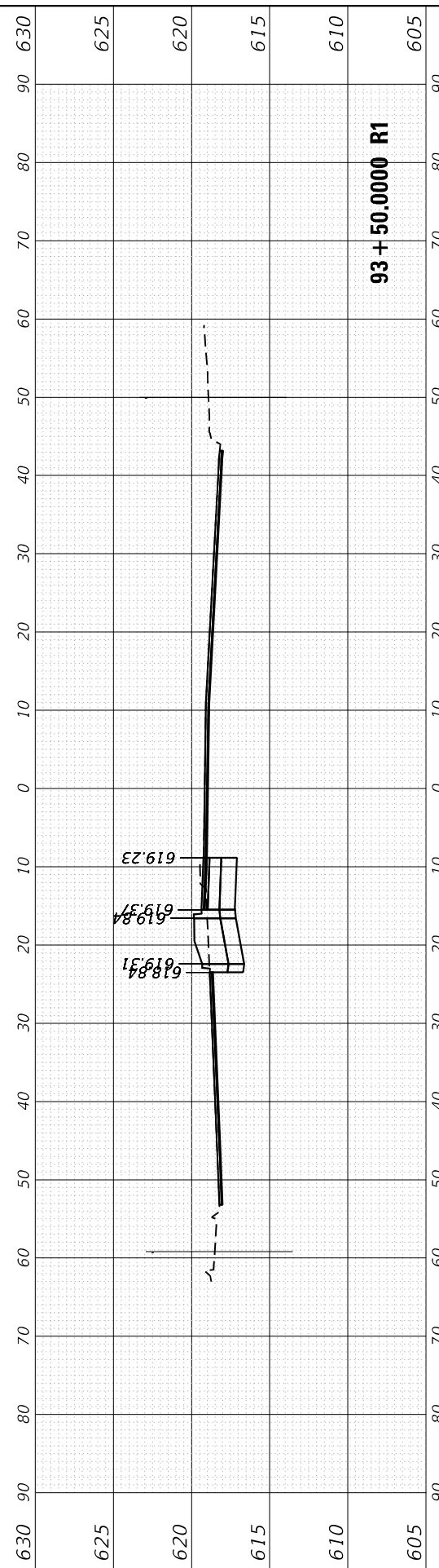
SCALE: SHEET OF SHEETS STA. 94+00.0000 R1 TO STA. 96+00.0000 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2019-077-T5&S5	COOK	134	126
CONTRACT NO. 62147			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = rostkwnsklr	DESIGNED - RR	REVISED -
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PLOT SCALE = 20,0000 * / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - IL ROUTE 43
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

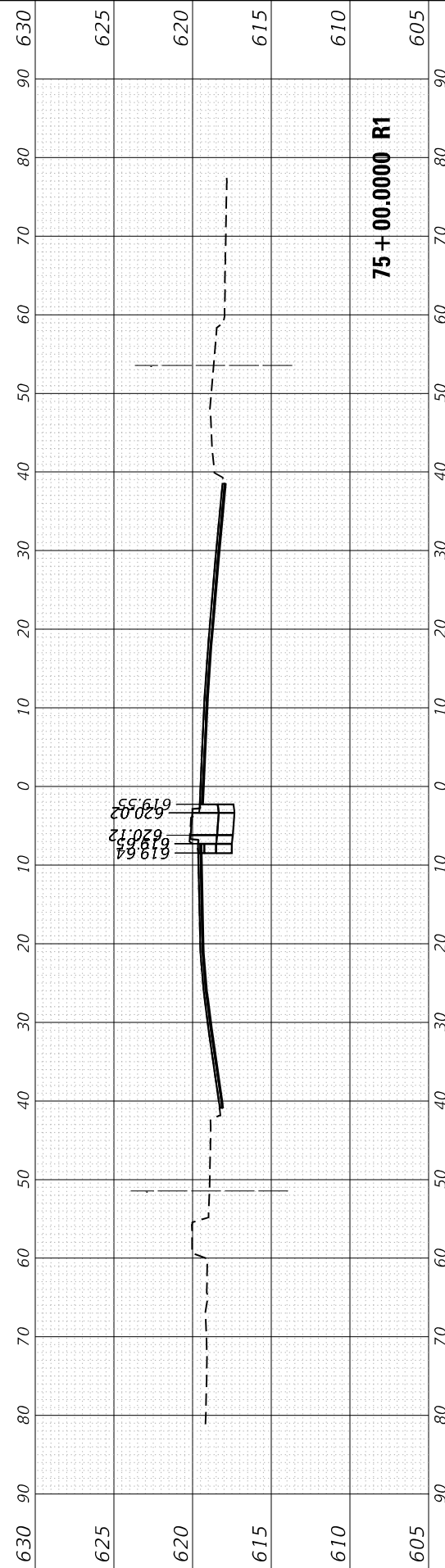
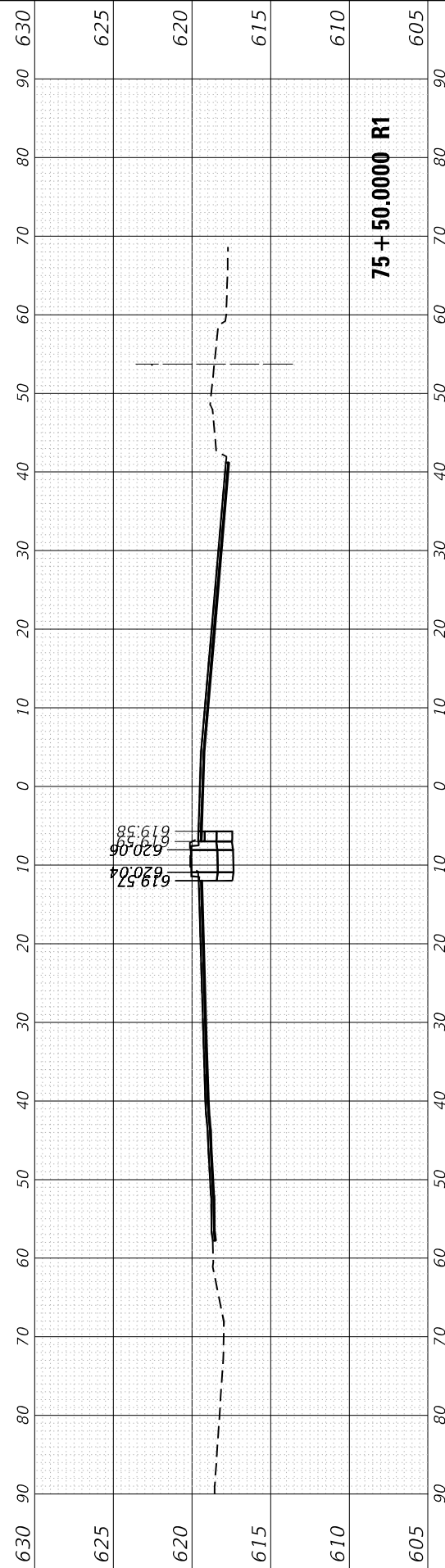
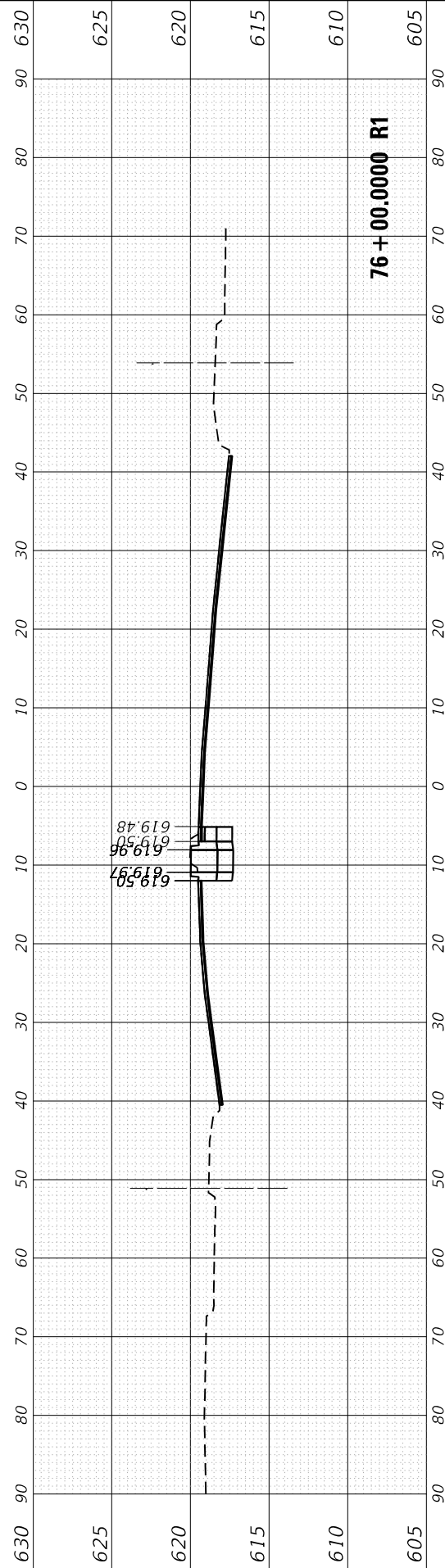
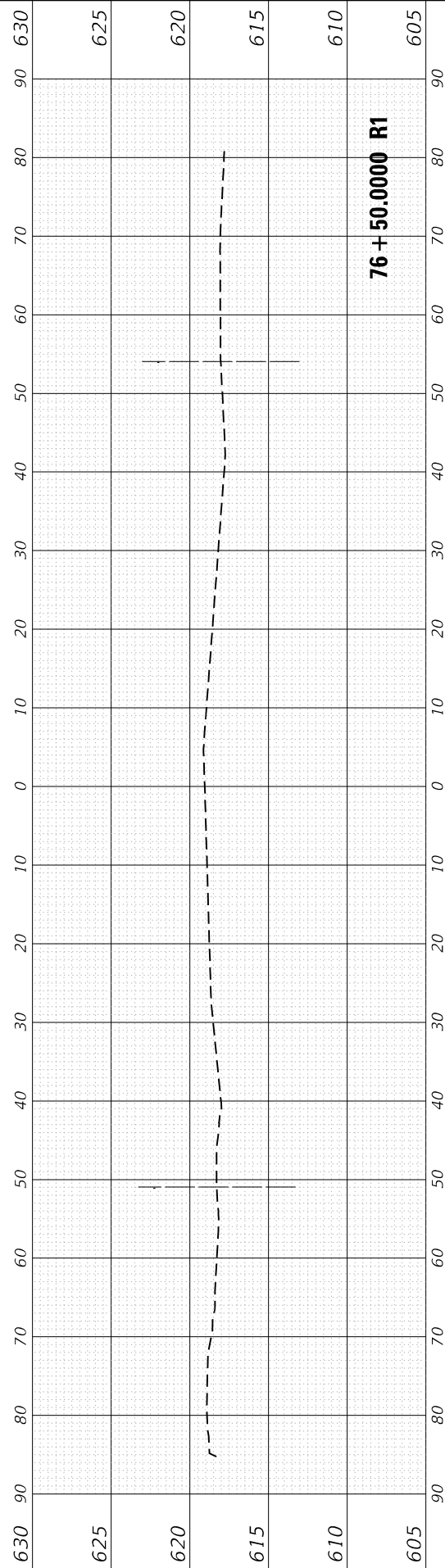
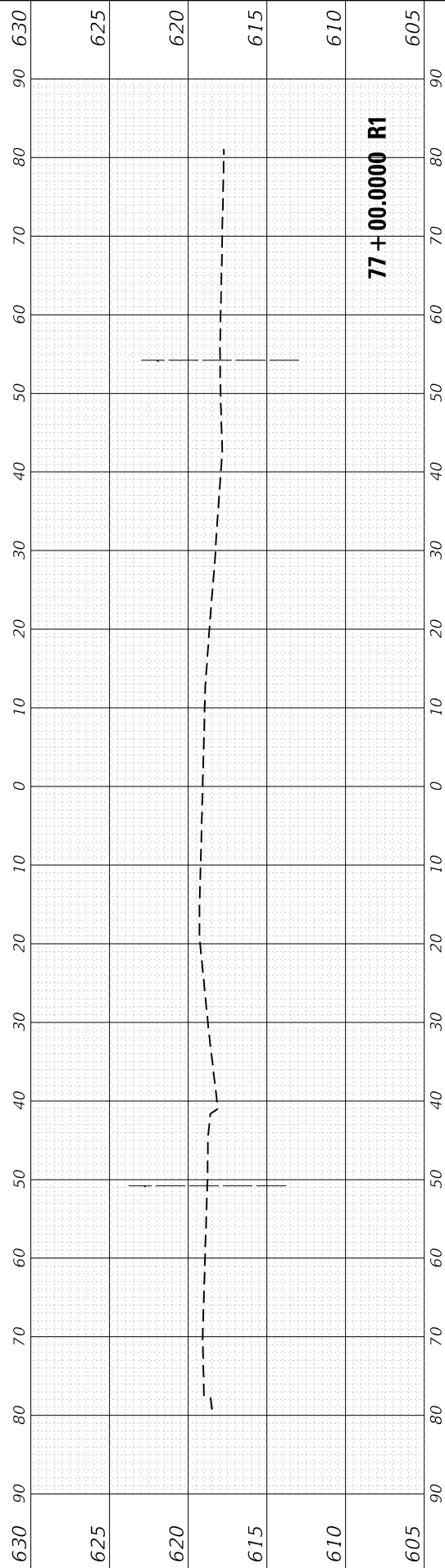
SCALE: SHEET OF SHEETS STA. 91+50.0000 R1 TO STA. 93+50.0000 R1

F.A. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 127
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
	NOTE BOOK TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
	NOTE BOOK TEMPLATE		
	AREAS CHECKED		

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USER NAME = rostkowski	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - CERMAK ROAD	
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)	
SCALE:	SHEET OF SHEETS STA. 75+00.0000 R1 TO STA. 77+00.0000 R1

F.A. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 130
			CONTRACT NO. 62J47	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

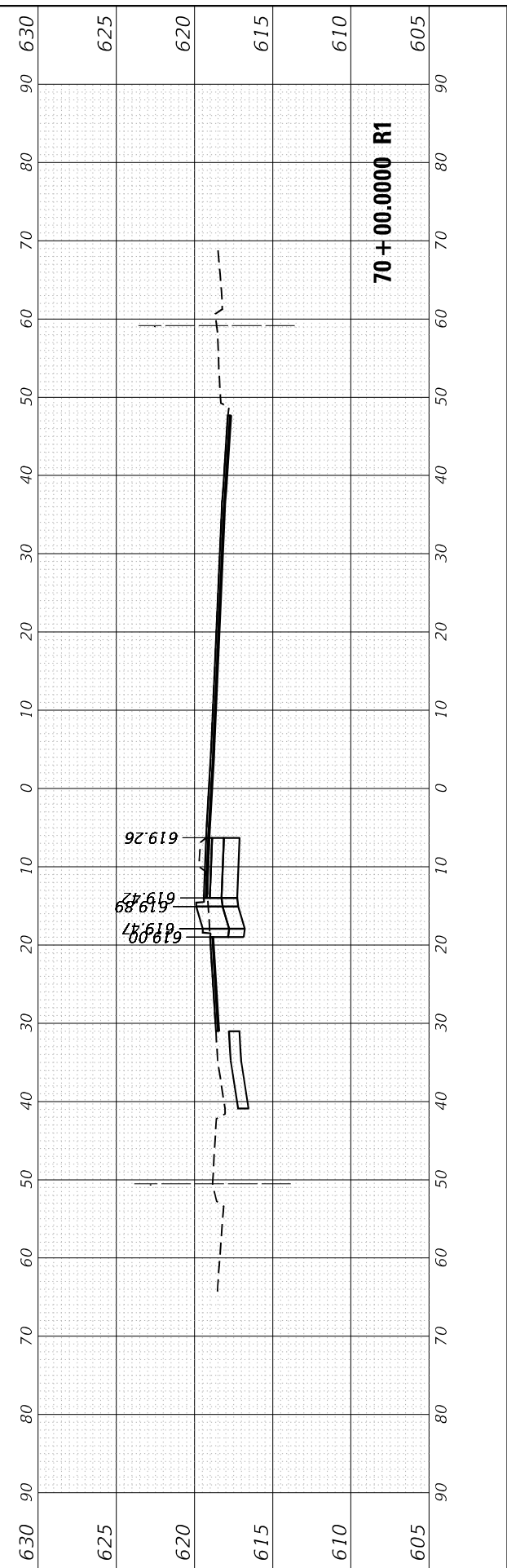
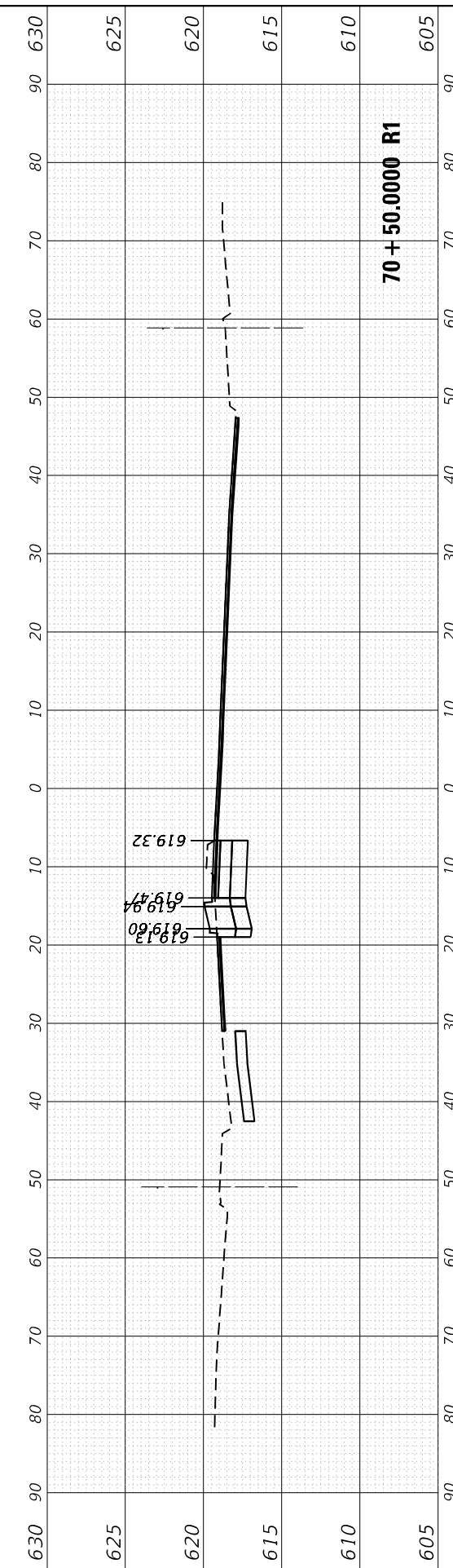
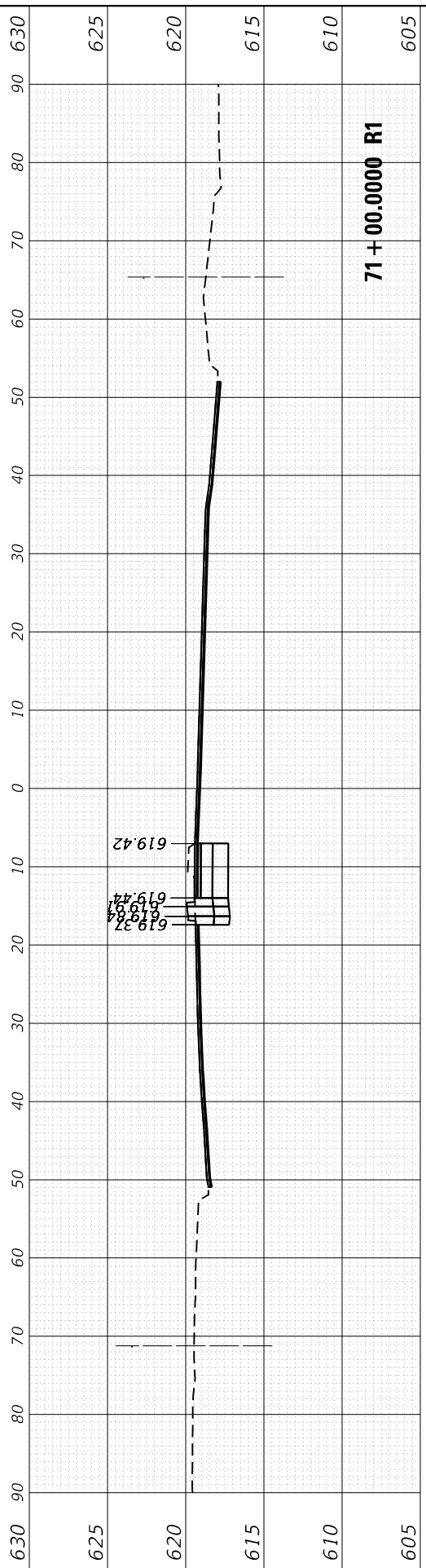
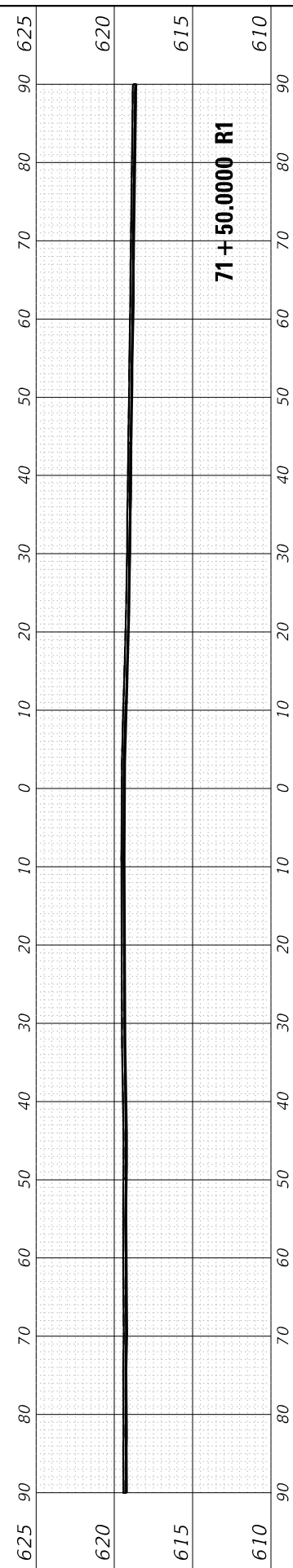
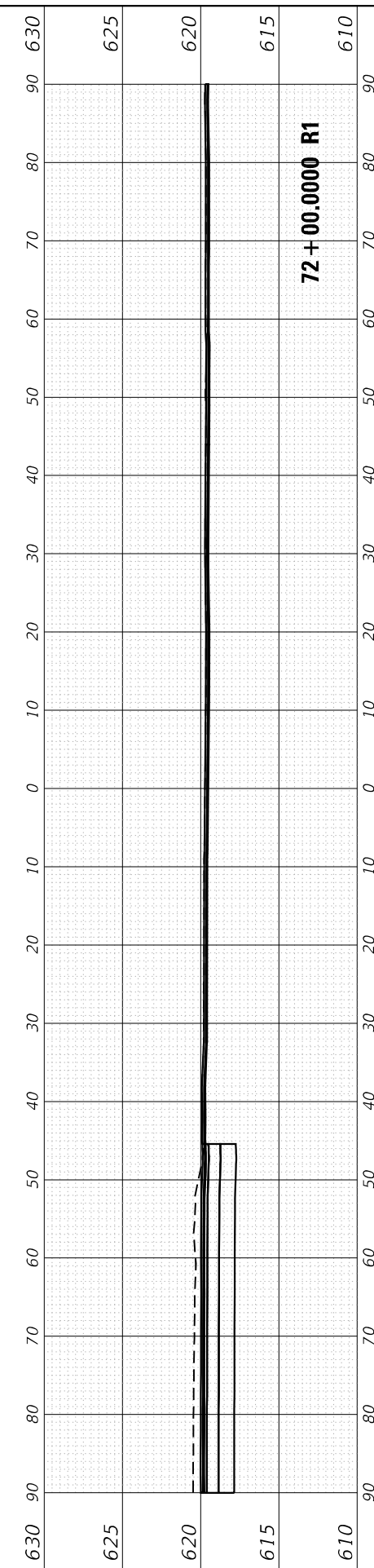
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PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - CERMAK ROAD	
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)	
SCALE:	SHEET OF SHEETS STA. 70+00.0000 R1 TO STA. 72+00.0000 R1

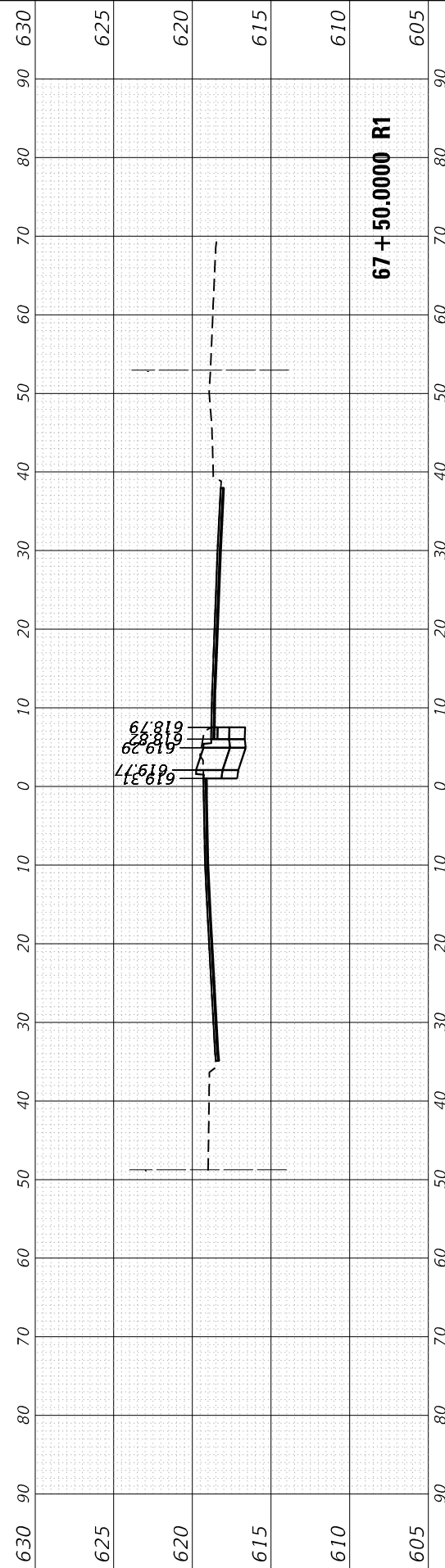
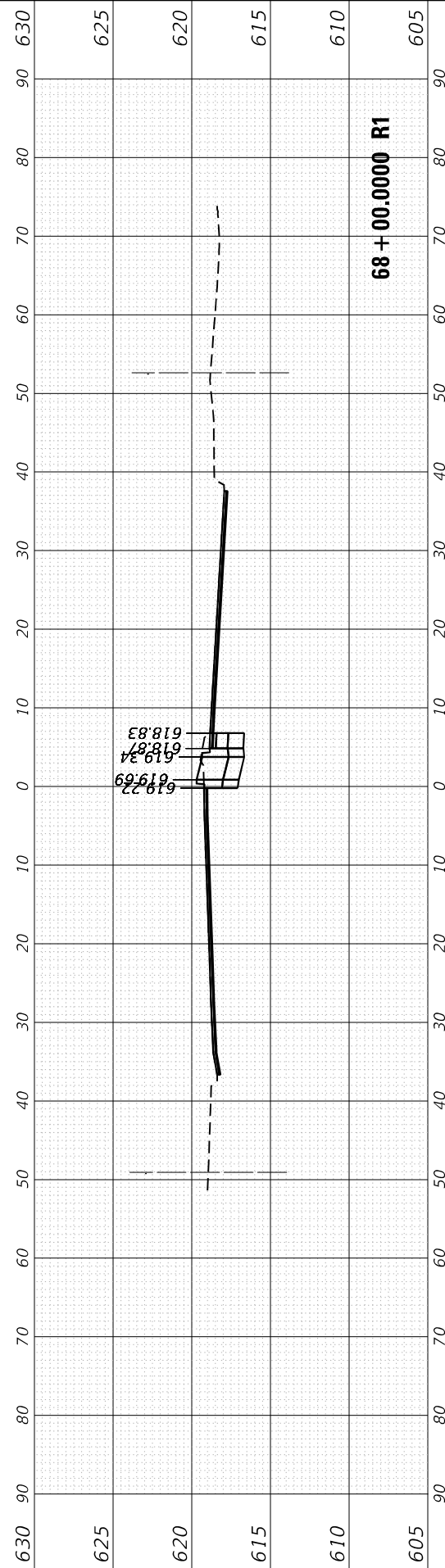
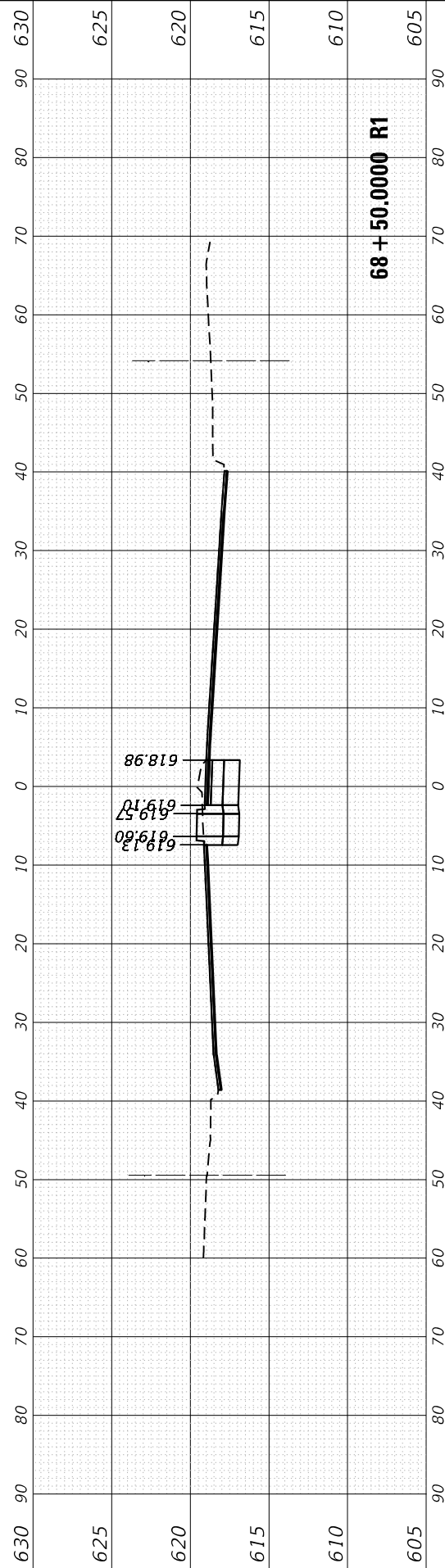
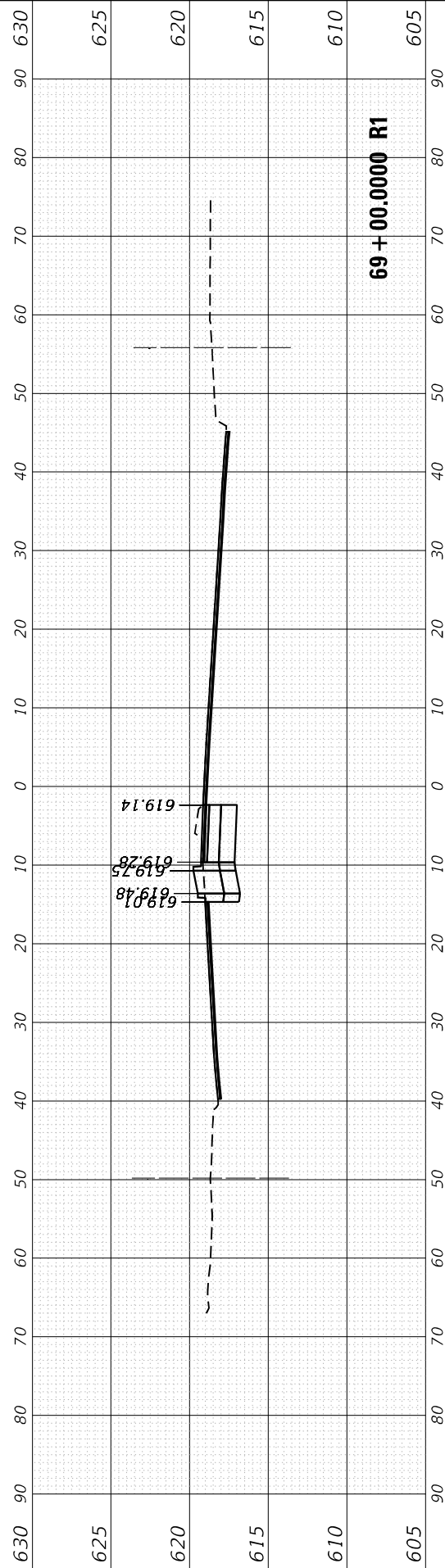
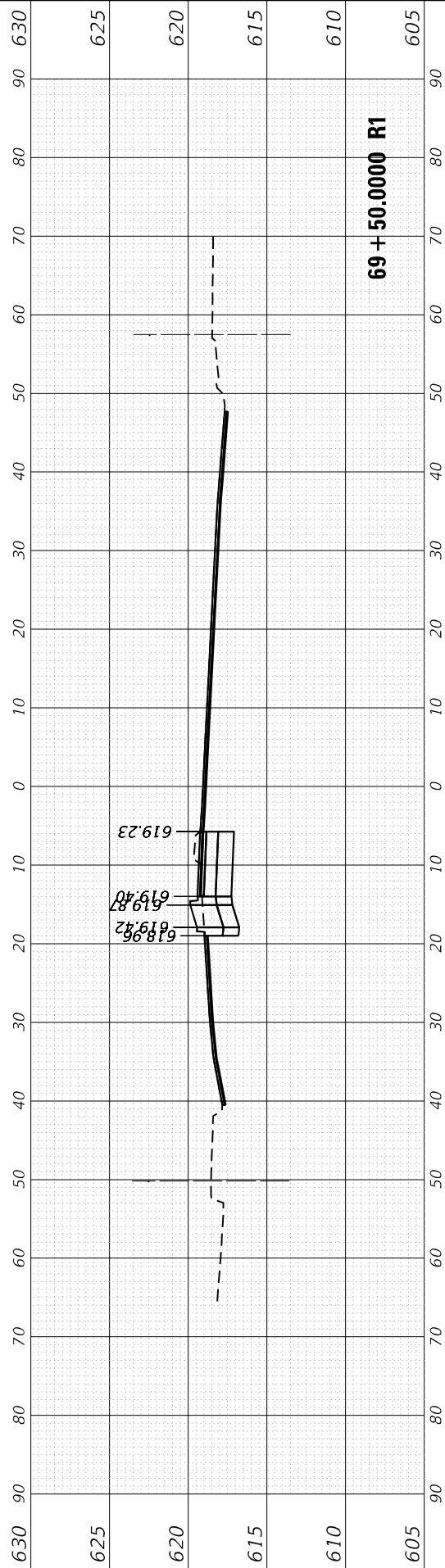
F.A. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 132
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J47	



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = rostkawskir	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - CERMAK ROAD
IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)

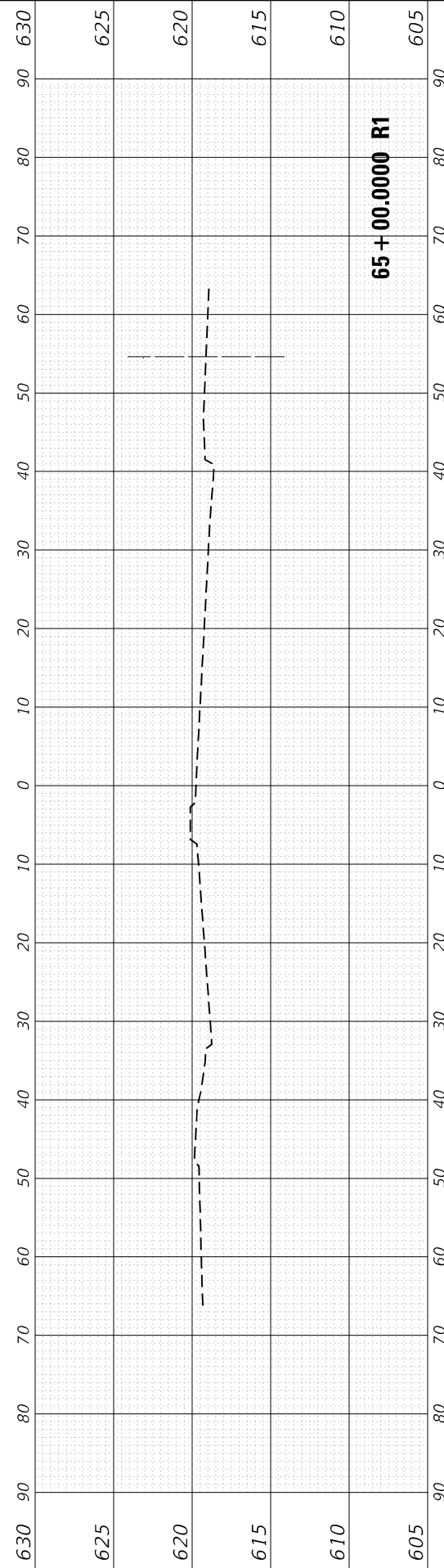
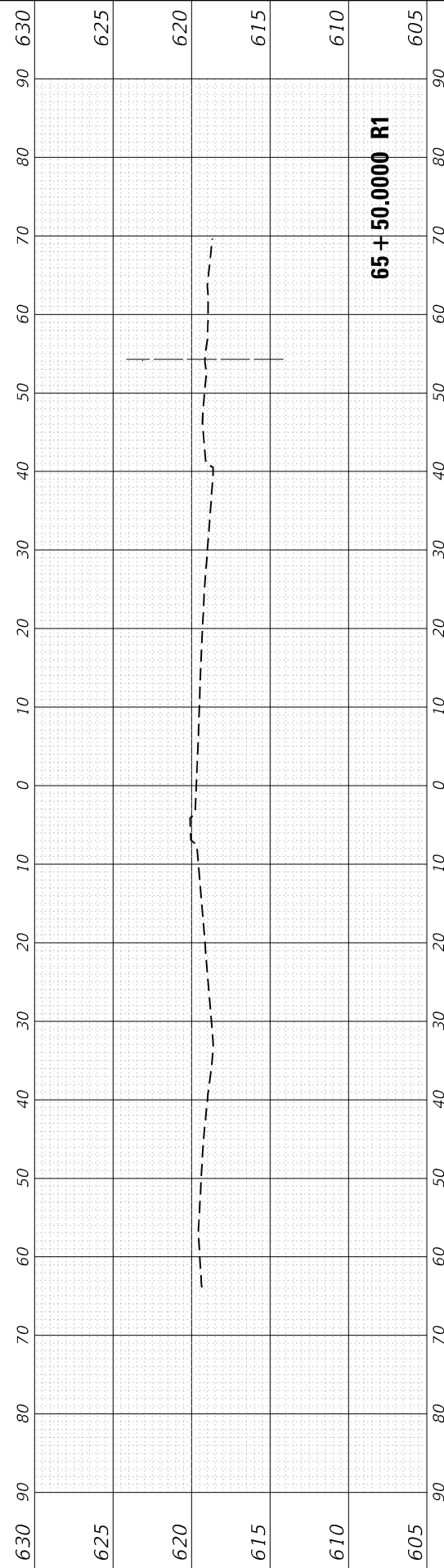
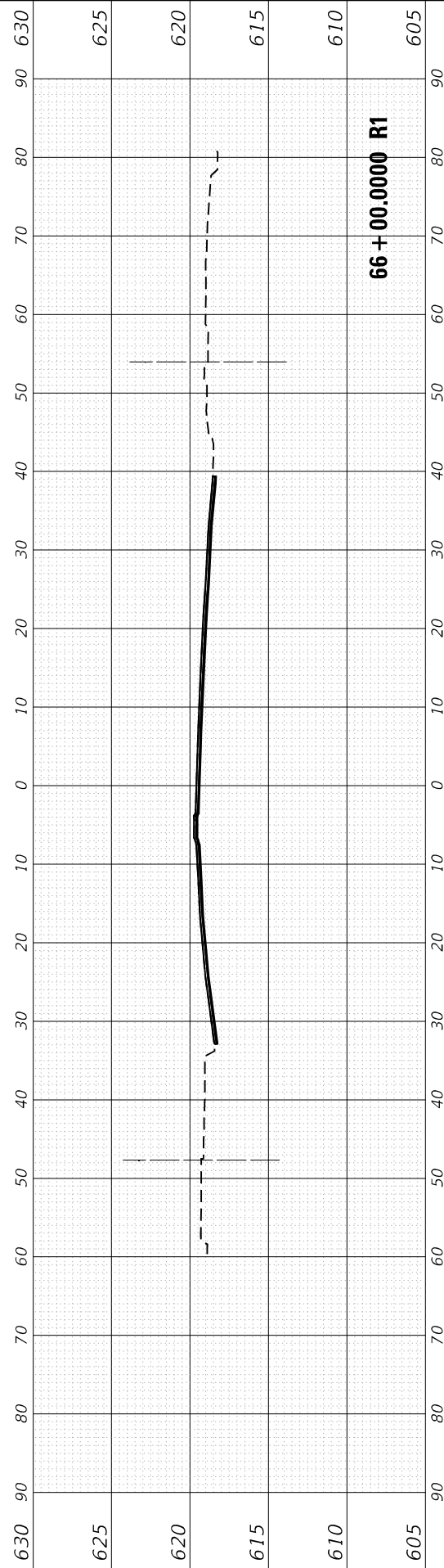
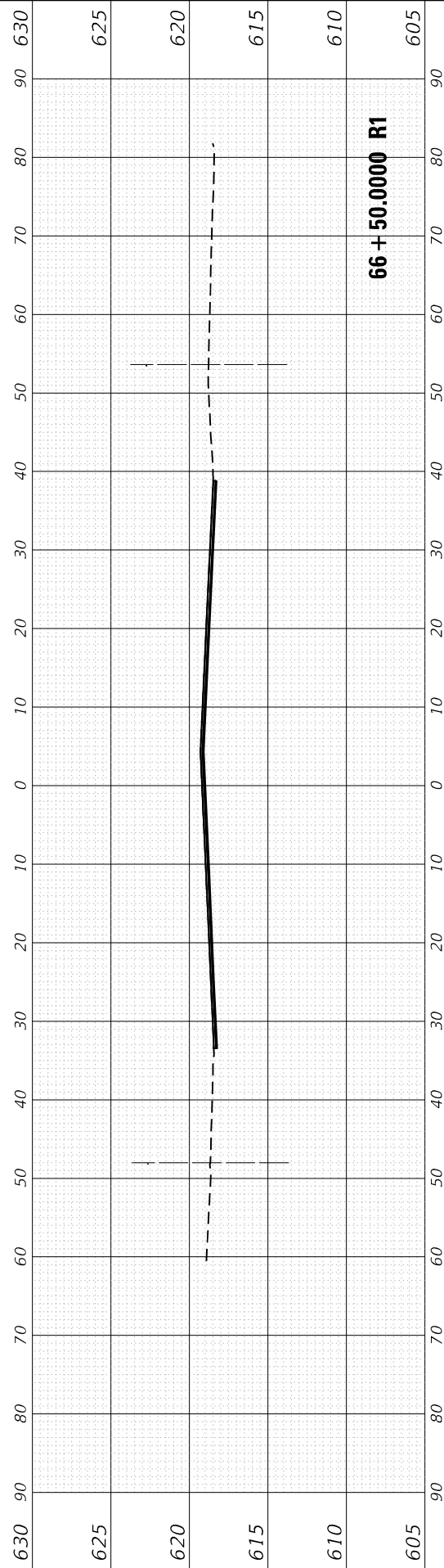
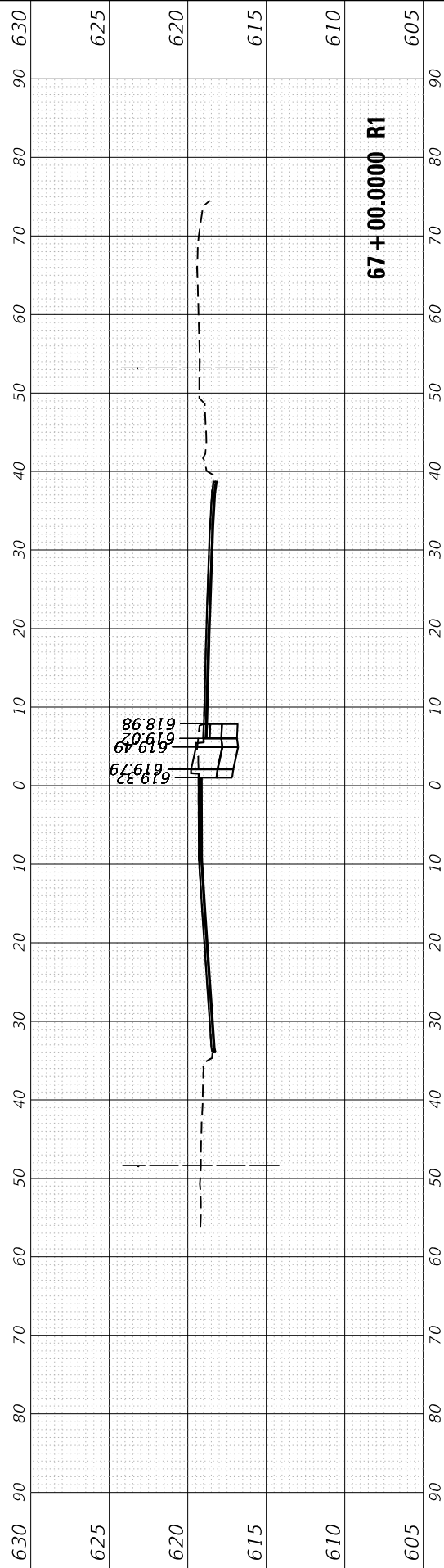
F.A. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 133
CONTRACT NO. 62J47			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. 67+50.0000 R1 TO STA. 69+50.0000 R1

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\enr\...
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USER NAME = rastkowski	DESIGNED - RR	REVISED -
	DRAWN - RR	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED - LP	REVISED -
PLOT DATE = 5/23/2022	DATE - 4/22/2022	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - CERMAK ROAD
 IL ROUTE 43 (HARLEM AVE) AT CERMAK RD (22ND ST)**

SCALE: SHEET OF SHEETS STA. 65+00.0000 R1 TO STA. 67+00.0000 R1

F.A. RTE. 348	SECTION 2019-077-T5&SW	COUNTY COOK	TOTAL SHEETS 134	SHEET NO. 134
			CONTRACT NO. 62J47	
ILLINOIS		FED. AID PROJECT		