

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	1
		ILLINOIS	CONTRACT NO. 62F90	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE CITY OF CHICAGO AND THE VILLAGE OF SUMMIT

PROPOSED HIGHWAY PLANS

FAP ROUTE 348: IL 43 (HARLEM AVENUE)
AT ARCHER AVENUE
SECTION: 2324.3-N
TRAFFIC SIGNAL MODERNIZATION, LEFT TURN LANES,
STANDARD OVERLAY, ADA IMPROVEMENTS
PROJECT: HSIP-IW8U(631)
COOK COUNTY
C-91-078-18

TRAFFIC DATA:

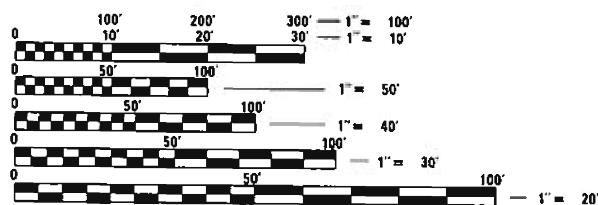
IL RTE. 43 AT ARCHER AVE.

NORTH LEG ADT (2017) = 38,900
POSTED SPEED = 40 MPH

SOUTH LEG ADT (2017) = 46,800
POSTED SPEED = 35 MPH

EAST LEG ADT (2014) 29,500
POSTED SPEED = 30 MPH

WEST LEG ADT (2014) = 26,400
POSTED SPEED = 30 MPH



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.

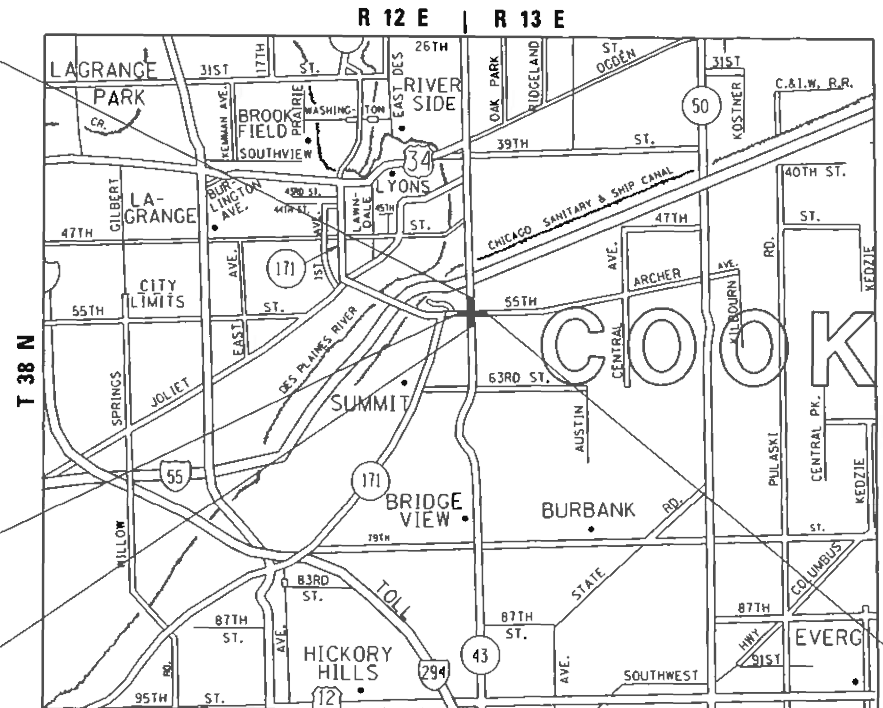
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 OR 811
C.U.A.N.
CHICAGO UTILITY ALERT NETWORK (312)-744-7000

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247
CONTRACT NO. 62F90

PROJECT ENDS
STA 110+00

PROJECT BEGINS
STA 69+00

PROJECT BEGINS
STA 93+70



LYONS TOWNSHIP AND STICKNEY TOWNSHIP

PROJECT ENDS
STA 78+60

GROSS LENGTH = 2,590 FT = 0.5 MILE
NET LENGTH = 2,590 FT = 0.5 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 11 20 20
Anthony J. Wengler REGIONAL ENGINEER
May 8, 2020
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT
May 8, 2020
James J. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

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72-80	CROSS SECTIONS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602401-06	PRECAST MANHOLE, TYPE A
604001-05	FRAME AND LIDS TYPE 1
604086-03	FRAME AND GRATE TYPE 23
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS -DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAIL
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE CITY OF CHICAGO, AND THE VILLAGE OF SUMMIT.
- THE ENGINEER SHALL CONTACT EMAD ALHUSSEINI, ARTERIAL TRAFFIC FIELD ENGINEER AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA AT THE INTERSECTION, THE CONTRACTOR SHALL NOTIFY THE LOCAL MUNICIPALITIES AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE LOCAL MUNICIPALITIES AND/OR THE RLR CAMERA COMPANY SHALL MAKE THE 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 OWNER PRIOR TO THE START OF CONSTRUCTION.
- 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.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- PAVEMENT PATCHING LOCATIONS TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
- BUTT JOINTS WILL 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.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE RESIDENT ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 45 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1V:3H .
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18" WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER.
- UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE RESIDENT ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
- 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.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.

CITY OF CHICAGO NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURRIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRES)
- ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
- OPEN LID DRAINAGE SRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO.
- PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE EXTRA CARE AND PRECAUTION WHEN REPAIRING THE CONCRETE CURB AND GUTTER AT LOCATIONS WHERE EXISTING TREES ARE PRESENT.
- CURB RAMPS AND LANDING (KEYSTONE) TO BE CONSTRUCTED WITH 8" THICK CONCRETE AT ALL TRAFFIC SIGNALIZED INTERSECTION AND INDUSTRIAL STREET INTERSECTIONS. AT ALL OTHER LOCATIONS, 5" THICK CONCRETE TO BE USED.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE. INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
p:\planroom.dot.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P135613-Design\Design\P135613-sht-gennote.dgn	DRAWN -	REVISIONS -	348			2324.3-N	COOK	80	2			
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISIONS -			CONTRACT NO. 62F90						
	PLOT DATE = 3/24/2020	DATE -	REVISIONS -			ILLINOIS FED. AID PROJECT						
						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP	
20200100	EARTH EXCAVATION	CU YD	58	58				
20800150	TRENCH BACKFILL	CU YD	110	110				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	16	16				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	0.3	0.3				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	0.3	0.3				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	0.3	0.3				
25200110	SODDING, SALT TOLERANT	SO YD	16	16				
25200200	SUPPLEMENTAL WATERING	UNIT	0.2	0.2				
28000510	INLET FILTERS	EACH	7	7				
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	12	12				
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SO YD	545	545				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	16101	16101				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	35	35				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	231	231				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4, 75, N50	TON	975	975				
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	2316	2316				
42001300	PROTECTIVE COAT	SO YD	603	603				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	3117	3117				
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SO FT	680	680				
42400435	PORTLAND CEMENT CONCRETE SIDEWALK 10 INCH	SO FT	200	200				
44000100	PAVEMENT REMOVAL	SO YD	645	645				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	23623	23623				
44000600	SIDEWALK REMOVAL	SO FT	3544	3544				
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SO YD	300	300				
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SO YD	200	200				
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SO YD	500	500				

REV-SEP

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					* 66901003	SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					* 66901006	* 67000400	* 67100100	* 70300100	* 70300150	* 70300210	* 70300220	* 70300240	* 70300250	* 70300260	* 70300280	* 70300520	* 70300900	* 66901001	REV-SEP	* SPECIALITY ITEMS		
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP	CODE NO		ITEM	UNIT	0004 90% FED 10% STATE ROADWAY		0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP																				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	366	366					66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1																							
55100200	STORM SEWER REMOVAL 6"	FOOT	5	5																																
55100400	STORM SEWER REMOVAL 10"	FOOT	22	22																																
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1																																
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1																																
60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	4	4																																
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1																																
60500050	REMOVING CATCH BASINS	EACH	1	1																																
60500060	REMOVING INLETS	EACH	1	1																																
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	1	1																																
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	4905	4905																																
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	58	58																																
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2																																
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1																																

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	PLOT DATE = 3/24/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	4
CONTRACT NO. 62F90				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE						
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP			CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP		
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	3400	3400						* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	268	268					
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	677	677						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	305	305					
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	100	100						78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	230	230					
72000100	SIGN PANEL - TYPE 1	SO FT	159.5	112.5	47					81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1472		957	515			
72000200	SIGN PANEL - TYPE 2	SO FT	28		28					81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	128		128				
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4						81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	526		526				
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4						81400100	HANDHOLE	EACH	4		4				
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	270	270						81400200	HEAVY-DUTY HANDHOLE	EACH	2		2				
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	18	18						81400300	DOUBLE HANDHOLE	EACH	2		2				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	620	620						85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2			2			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8434	8434						86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2142	2142						87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3841			3841			
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1056	1056															
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1060	1060															REV-SEP
																			* SPECIALITY ITEMS

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
SUMMARY OF QUANTITIES**

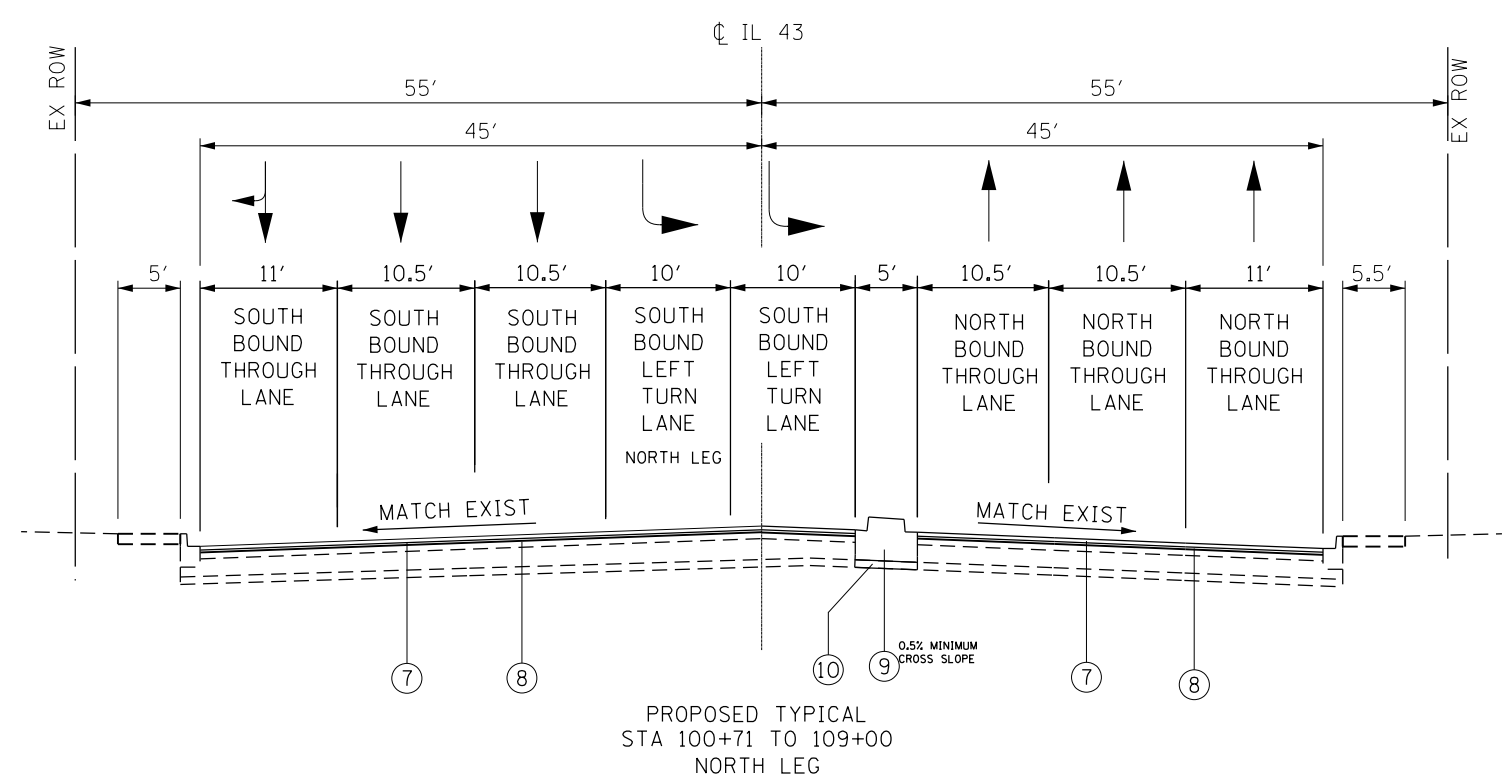
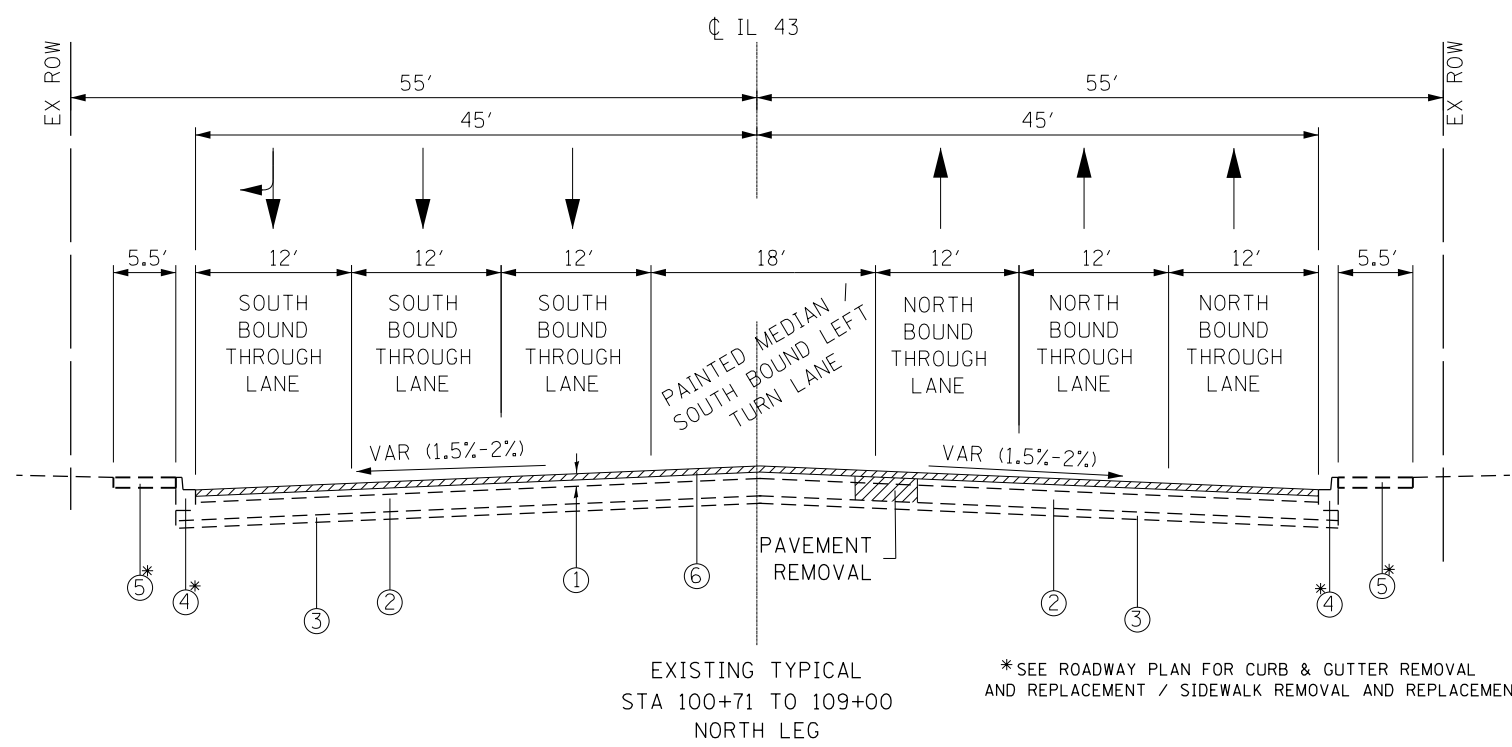
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	5
CONTRACT NO. 62F90				
SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP	CODE NO	ITEM	UNIT	0004 90% FED 10% STATE ROADWAY		0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1476		1476			87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				
	14 2C																
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	2222		1536		686	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH	FOOT	52		52				
	14 3C								DIAMETER								
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	3561		3561			87900200	DRILL EXISTING HANDHOLE	EACH	3		1	2			
	14 5C																
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO.	FOOT	1129		1129			88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	11		11				
	14 7C																
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.	FOOT	3369		3369			88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5		5				
	14 1 PAIR																
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO.	FOOT	442		442			88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3				
	6 2 C																
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT	FOOT	1671		1671			88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3				
	GROUNDING CONDUCTOR, NO. 6 1C																
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL	EACH	4		4			88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8				
	16 FT.																
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42	EACH	1		1			88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14		14				
	FT.																
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48	EACH	3		3			88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10				
	FT.																
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20			88600100	DETECTOR LOOP, TYPE I	FOOT	457		457				
								88700200	LIGHT DETECTOR	EACH	3				3		
								88700300	LIGHT DETECTOR AMPLIFIER	EACH	1				1		
								88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8		* SPECIALITY ITEMS		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP	
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1				
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6114	332		5782		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1				
89502376	REBUILD EXISTING HANDHOLE	EACH	1	1				
89502380	REMOVE EXISTING HANDHOLE	EACH	10	10				
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2	2				
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	9				
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	686				686	
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	3039	166		2873		
X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1				
X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1				
X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2	2				
X4240800	DETECTABLE WARNINGS (SPECIAL)	SO FT	188	188				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	24	24				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0004 90% FED 10% STATE ROADWAY	0021 90% FED 10% STATE TRAFFIC SIGNAL	0021 90% FED 10% STATE INTERCONNECT	0021 100% SUMMIT EVP	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	463	463				
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	1				
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3893			3893		
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1100	1100				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	24	24				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8				
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1				
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1				
Ø 20076600	TRAINEES	hour	500	500				
Ø 20076604	TRAINEES - TRAINING PROGRAM GRADUATE	hour	500	500				

Ø 0042
REV-SEP
* SPECIALITY ITEMS



LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, ±8"
- ② EXISTING PCC PAVEMENT, ±9"
- ③ EXISTING STABILIZED SUB-BASE
- ④ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.12
- ⑤ EXISTING PCC SIDEWALK
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- ⑧ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ⑨ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (0.5% MINIMUM CROSS SLOPE)
- ⑩ PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
- ⑪ PROPOSED CURB AND GUTTER
- ⑫ PROPOSED PCC SIDEWALK, 8" (RAMPS/LANDING)
- ⑬ AGGREGATE BASE COURSE, TYPE B

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80	3.5% @ 80 GYR.	QC/OA
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50	3.5% @ 50 GYR.	QC/OA
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
2. THE UNIT WEIGHT TO BE USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
3. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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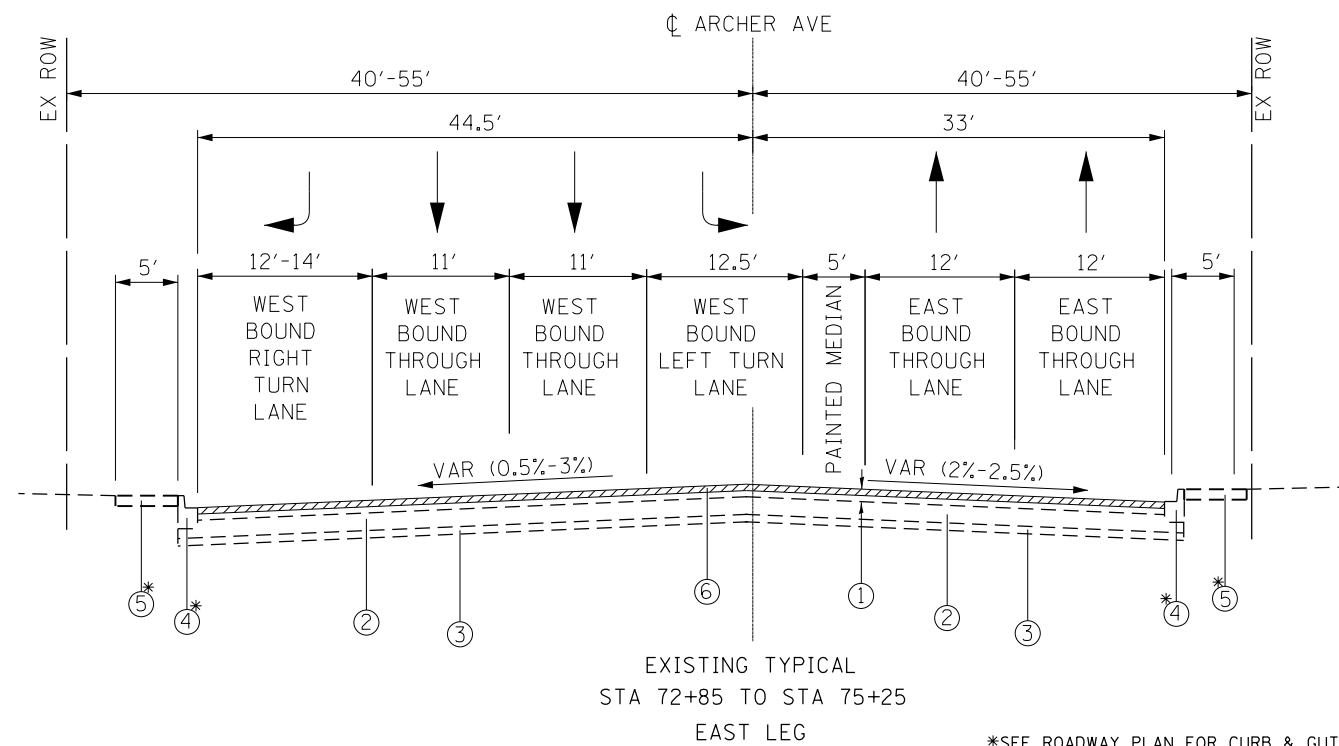
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

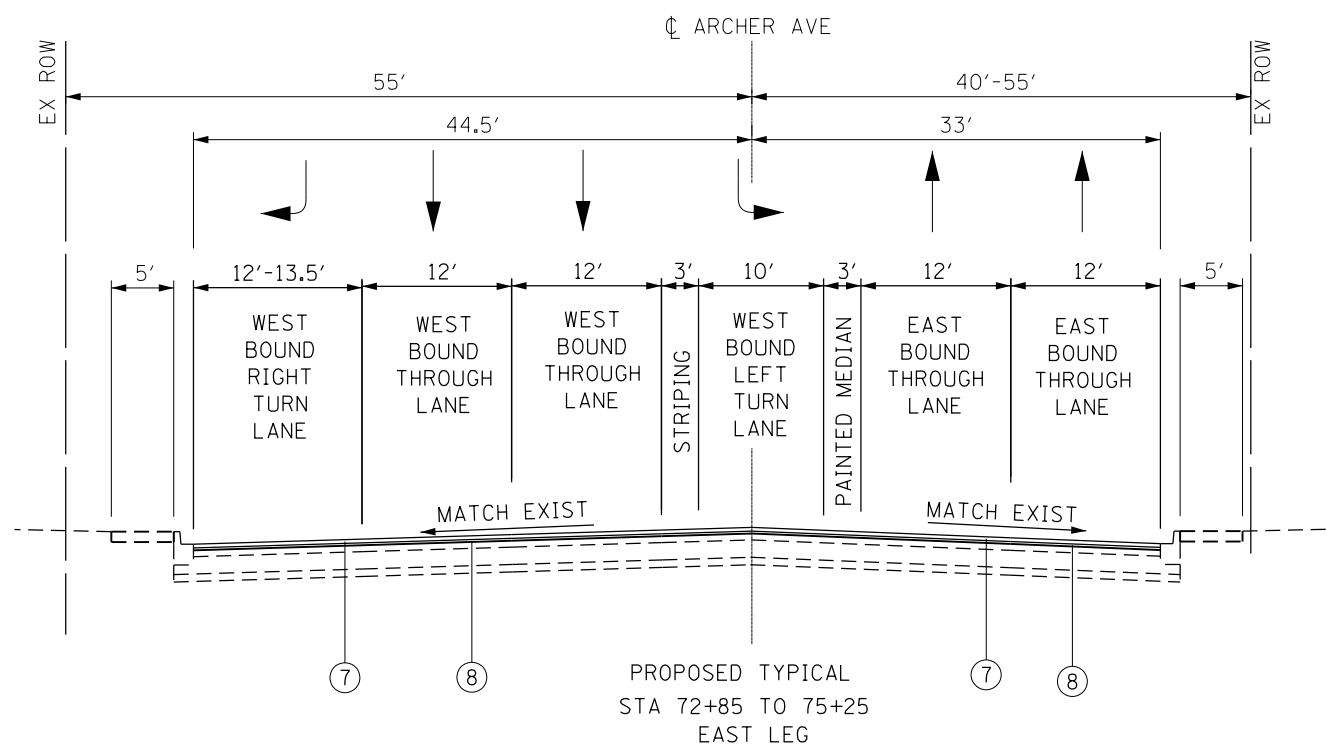
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	8
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



*SEE ROADWAY PLAN FOR CURB & GUTTER REMOVAL AND REPLACEMENT / SIDEWALK REMOVAL AND REPLACEMENT

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, ±8"
- ② EXISTING PCC PAVEMENT, ±9"
- ③ EXISTING STABILIZED SUB-BASE
- ④ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.12
- ⑤ EXISTING PCC SIDEWALK
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
- ⑧ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"
- ⑨ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (0.5% MINIMUM CROSS SLOPE)
- ⑩ PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
- ⑪ PROPOSED CURB AND GUTTER
- ⑫ PROPOSED PCC SIDEWALK, 8" (RAMPS/LANDING)
- ⑬ AGGREGATE BASE COURSE, TYPE B



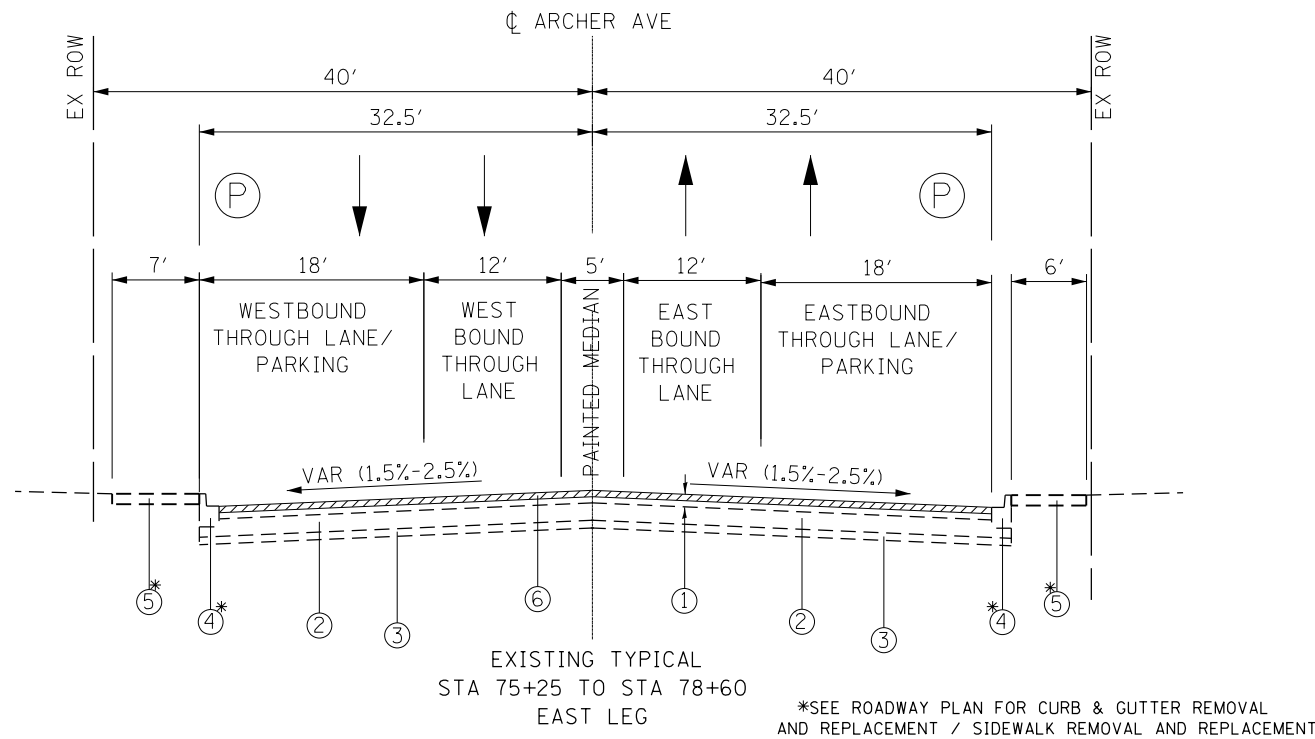
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PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

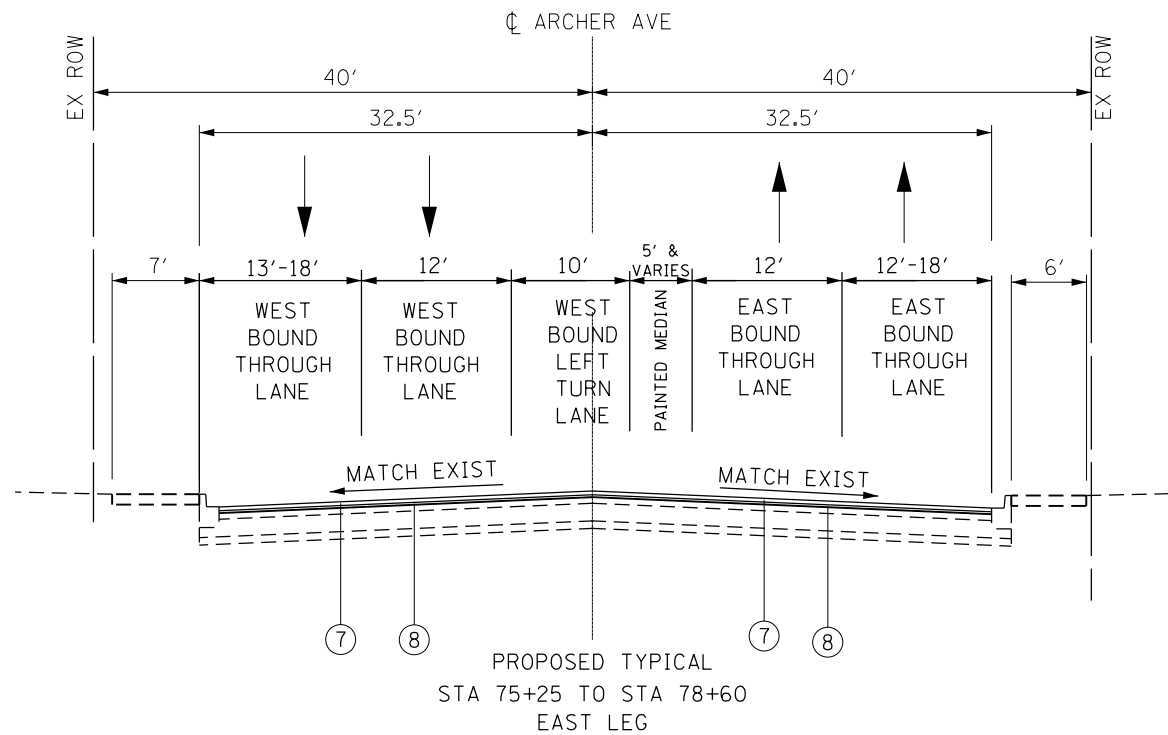
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TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	10
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, ±8"
- ② EXISTING PCC PAVEMENT, ±9"
- ③ EXISTING STABILIZED SUB-BASE
- ④ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.12
- ⑤ EXISTING PCC SIDEWALK
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
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- ⑩ PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
- ⑪ PROPOSED CURB AND GUTTER
- ⑫ PROPOSED PCC SIDEWALK, 8" (RAMPS/LANDING)
- ⑬ AGGREGATE BASE COURSE, TYPE B



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

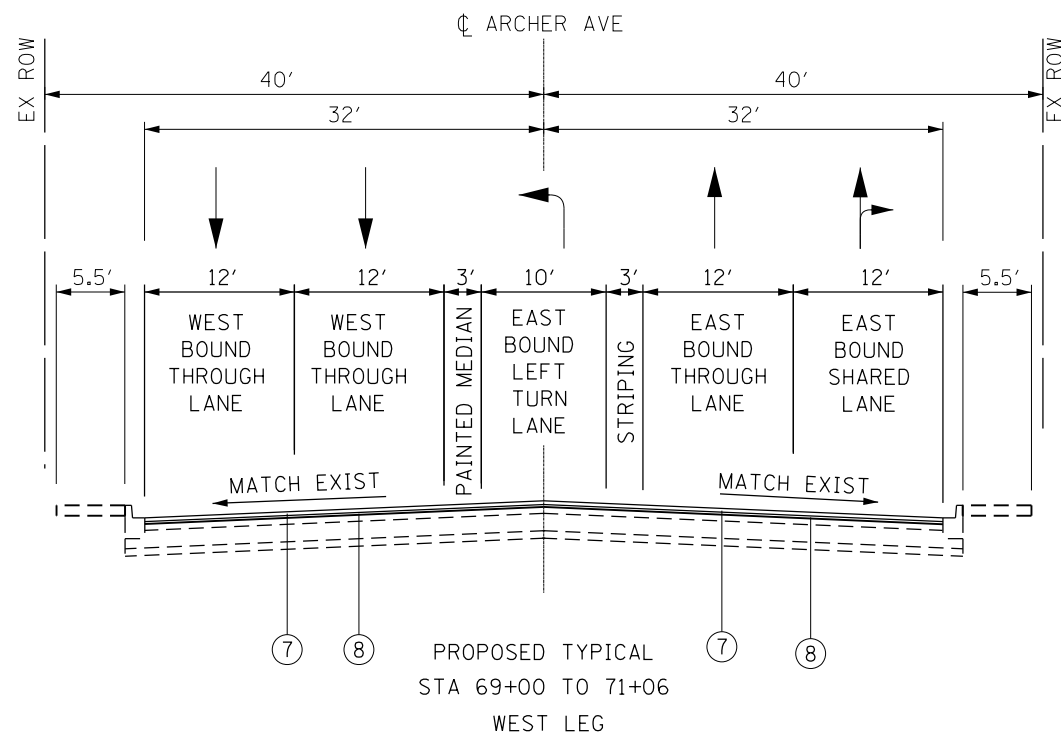
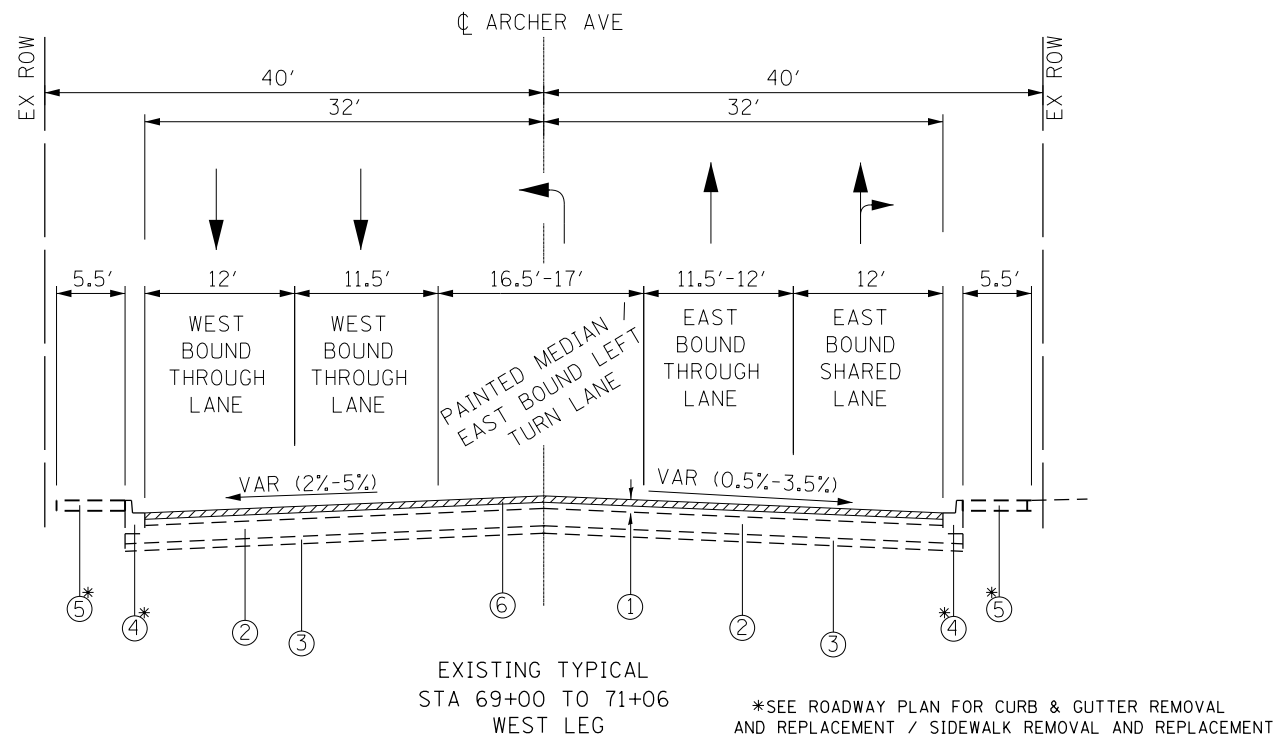
**IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	11
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, ±8"
- ② EXISTING PCC PAVEMENT, ±9"
- ③ EXISTING STABILIZED SUB-BASE
- ④ EXISTING COMB. CONC. CURB & GUTTER, TYPE B-6.12
- ⑤ EXISTING PCC SIDEWALK
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑦ PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1¾"
- ⑧ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"
- ⑨ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12 (0.5% MINIMUM CROSS SLOPE)
- ⑩ PROPOSED AGGREGATE BASE COURSE TYPE B, 4"
- ⑪ PROPOSED CURB AND GUTTER
- ⑫ PROPOSED PCC SIDEWALK, 8" (RAMPS/LANDING)
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
TYPICAL SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	12
CONTRACT NO. 62F90				
		ILLINOIS FED. AID PROJECT		

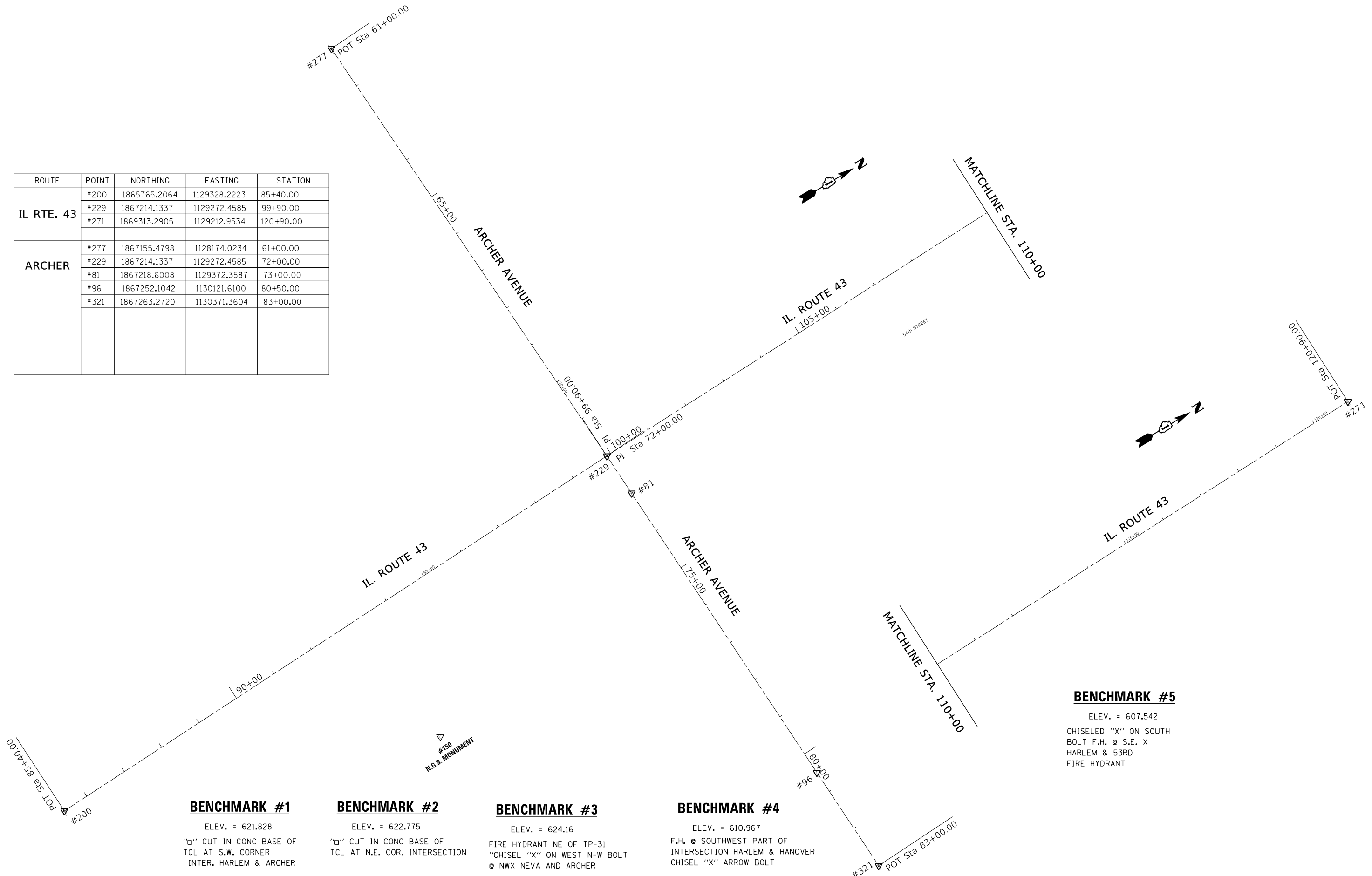
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

SIGN PANEL SCHEDULE

ROAD	EXISTING SIGNS		PROPOSED SIGNS		SIGN DESCRIPTION MUTCD CODE	SIZE		PROPOSED ACTION	SIGN PANEL TYPE 1	TELESCOPING STEEL DESIGN SUPPORT	BASE FOR TELESCOPING STEEL DESIGN SUPPORT	REMOVE SIGN PANEL ASSEMBLY TYPE-A	RELOCATE SIGN PANEL ASSEMBLY TYPE-A
	STATION	OFFSET	STATION	OFFSET		WIDTH	HEIGHT						
						INCHES	INCHES						
IL ROUTE 43			93+94	5.5' RT	KEEP RIGHT R4-7	24	30	INSTALL NEW SIGN FACING SOUTH	5.0	15	1		
IL ROUTE 43			94+19	5.5' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING EAST	5.0	15	1		
IL ROUTE 43			94+77	6.5' RT	LEFT TURN ONLY R3-5L	24	30	INSTALL NEW SIGN FACING NORTH	5.0	15	1		
IL ROUTE 43			95+35	2' LT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING EAST	5.0	15	1		
IL ROUTE 43			95+86	10' LT	DUAL LEFT TURN R3-8	30	30	INSTALL NEW SIGN FACING SOUTH	6.25	15	1		
IL ROUTE 43			96+61	10' LT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING EAST	5.0	15	1		
IL ROUTE 43			98+00	10' LT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING EAST	5.0	15	1		
IL ROUTE 43			98+19	10' LT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING WEST	5.0	15	1		
IL ROUTE 43			99+05	10' LT	KEEP RIGHT R4-7	24	30	INSTALL NEW SIGN FACING NORTH	5.0	7.5	0.5		
IL ROUTE 43			99+05	10' LT	DUAL LEFT TURN R3-8	30	30	INSTALL NEW SIGN FACING SOUTH	6.25	7.5	0.5		
IL ROUTE 43			100+78	10' RT	KEEP RIGHT R4-7	24	30	INSTALL NEW SIGN FACING SOUTH	5.0	7.5	0.5		
IL ROUTE 43			100+78	10' RT	DUAL LEFT TURN R3-8	30	30	INSTALL NEW SIGN FACING NORTH	6.25	7.5	0.5		
IL ROUTE 43			101+42	10' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING EAST	5.0	15	1		
IL ROUTE 43			103+50	10' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING EAST	5.0	15	1		
IL ROUTE 43			101+05	10' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING WEST	5.0	15	1		
IL ROUTE 43			101+82	10' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING WEST	5.0	15	1		
IL ROUTE 43			103+06	10' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING WEST	5.0	15	1		
IL ROUTE 43			103+60	10' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING WEST	5.0	15	1		
IL ROUTE 43			104+63	10' RT	ONE WAY R6-2L	24	30	INSTALL NEW SIGN FACING WEST	5.0	15	1		
IL ROUTE 43			104+86	10' RT	DUAL LEFT TURN R3-8	30	30	INSTALL NEW SIGN FACING NORTH	6.25	15	1		
ARCHER AVENUE			74+26	41' LT	RIGHT TURN ONLY R3-3R	30	36	INSTALL NEW SIGN ON EXIST. LIGHT POLE - FACING EAST	7.5	0	0		
ARCHER AVENUE	71+24	46' LT			NO TURN ON RED SIGN R10-11B	36	36	SALVAGE REMOVE AND RELOCATE SIGN				1	1
ARCHER AVENUE	71+44.5	65' LT			NO TURN ON RED SIGN R10-11B	36	36	SALVAGE REMOVE AND RELOCATE SIGN				1	1
ARCHER AVENUE	71+33.5	52' RT			NO TURN ON RED SIGN R10-11B	36	36	SALVAGE REMOVE AND RELOCATE SIGN				1	1
IL ROUTE 43	99+03	56.5' LT			NO TURN ON RED SIGN R10-11B	36	36	SALVAGE REMOVE AND RELOCATE SIGN				1	1
TOTAL									112.5	270	18	4	4

ROUTE	POINT	NORTHING	EASTING	STATION
IL RTE. 43	#200	1865765.2064	1129328.2223	85+40.00
	#229	1867214.1337	1129272.4585	99+90.00
	#271	1869313.2905	1129212.9534	120+90.00
ARCHER	#277	1867155.4798	1128174.0234	61+00.00
	#229	1867214.1337	1129272.4585	72+00.00
	#81	1867218.6008	1129372.3587	73+00.00
	#96	1867252.1042	1130121.6100	80+50.00
	#321	1867263.2720	1130371.3604	83+00.00



BENCHMARK #1
 ELEV. = 621.828
 "□" CUT IN CONC BASE OF
 TCL AT S.W. CORNER
 INTER. HARLEM & ARCHER

BENCHMARK #2
 ELEV. = 622.775
 "□" CUT IN CONC BASE OF
 TCL AT N.E. COR. INTERSECTION

BENCHMARK #3
 ELEV. = 624.16
 FIRE HYDRANT NE OF TP-31
 "CHISEL "X" ON WEST N-W BOLT
 @ NWX NEVA AND ARCHER

BENCHMARK #4
 ELEV. = 610.967
 F.H. @ SOUTHWEST PART OF
 INTERSECTION HARLEM & HANOVER
 CHISEL "X" ARROW BOLT

BENCHMARK #5
 ELEV. = 607.542
 CHISELED "X" ON SOUTH
 BOLT F.H. @ S.E. X
 HARLEM & 53RD
 FIRE HYDRANT

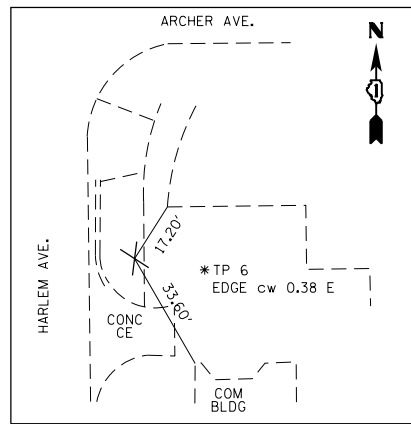
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USER NAME = josephm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

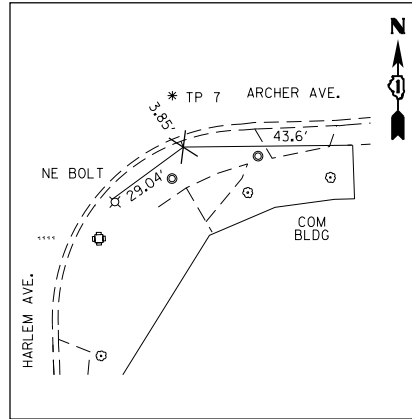
ALIGNMENTS, TIES AND BENCHMARKS			
IL ROUTE 43 AT ARCHER AVE..			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	14
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



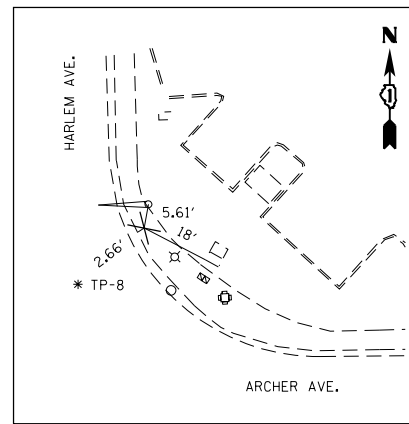
TURNING POINT #6

CN SET IN EAST cw HARLEM



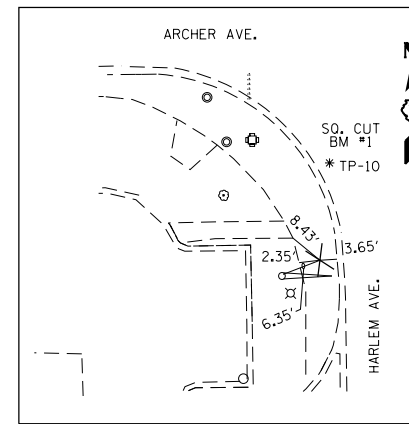
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CN SET IN SOUTH cw OF ARCHER JUST EAST OF HARLEM



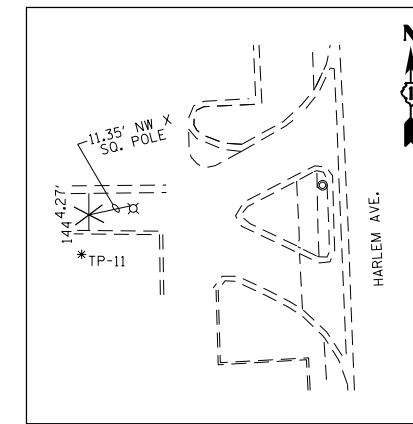
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CN SET IN NE COR. INTERSECTION OF HARLEM & ARCHER



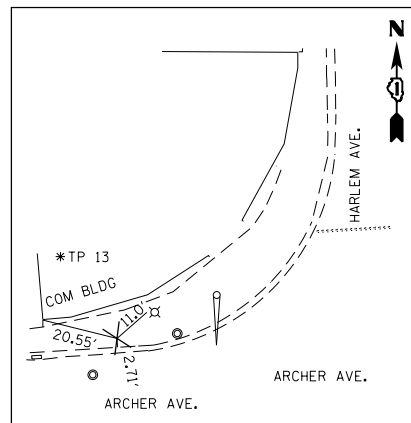
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CN SET IN SW COR. INTERSECTION OF HARLEM & ARCHER



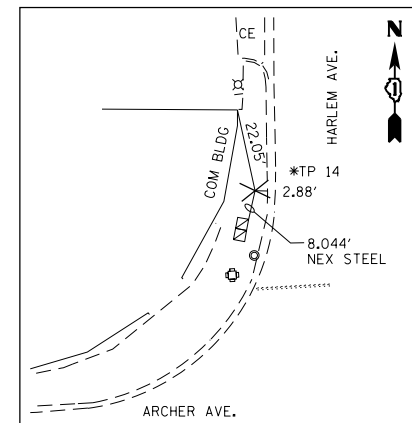
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CN SET IN SOUTH cw ARCHER



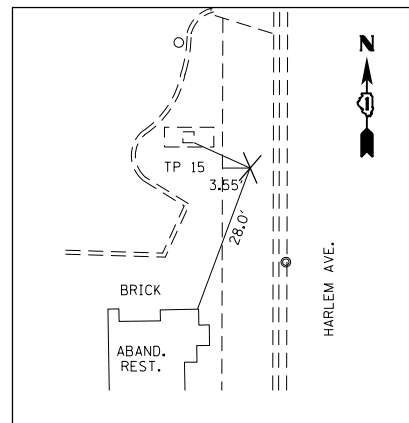
TURNING POINT #13

CN SET IN NW COR. INTERSECTION OF HARLEM & ARCHER



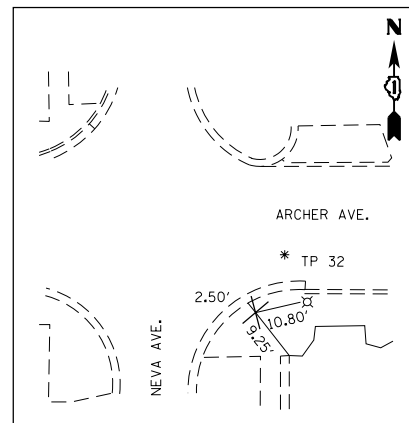
TURNING POINT #14

CN SET IN cw HARLEM JUST N. OF ARCHER



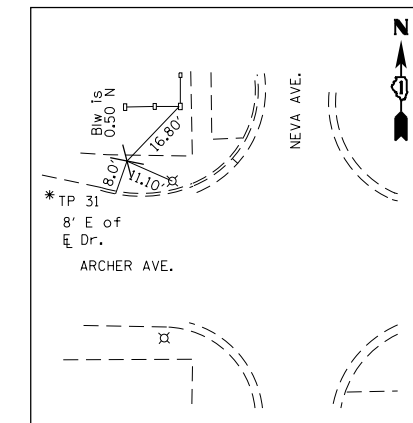
TURNING POINT #15

CN SET IN WEST cw OF HARLEM



TURNING POINT #32

CN SET IN SE COR. INTERSECTION OF NEVA & ARCHER



TURNING POINT #31

CN SET IN NORTH cw OF ARCHER JUST WEST OF NEVA

SEE MARCHESE SURVEY FILE "CONTROL.PDF" FOR ADDITIONAL INFORMATION

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	DATE -	REVISED -

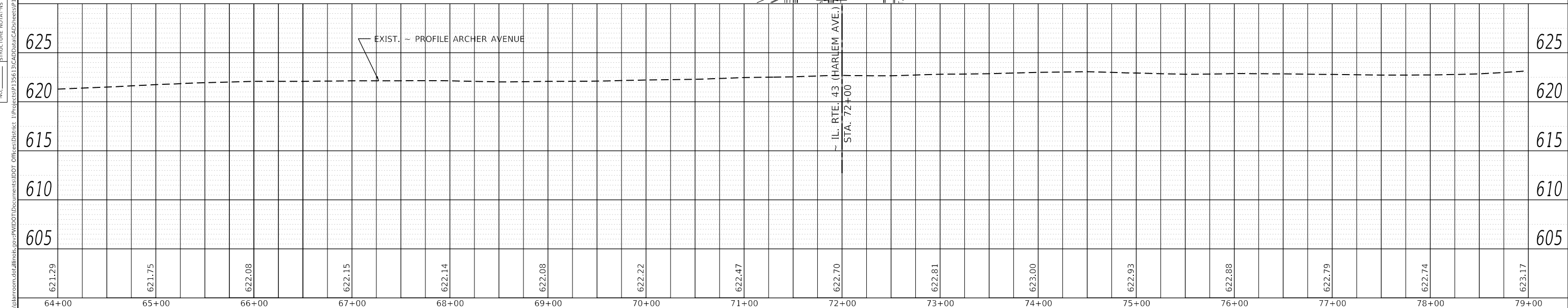
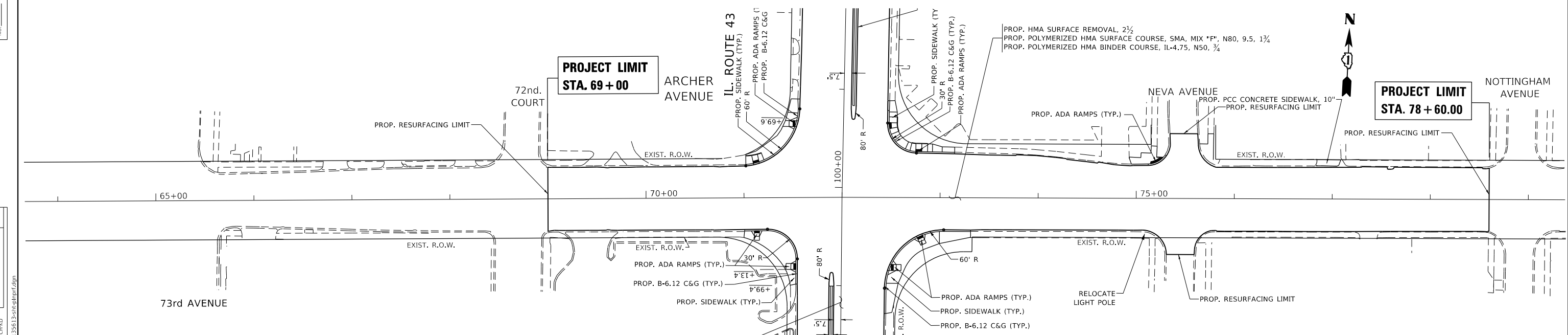
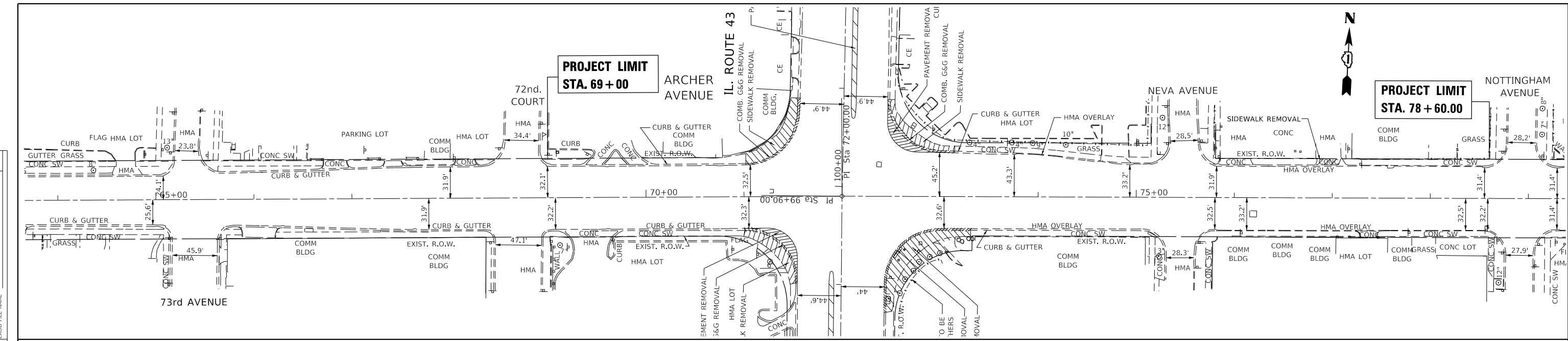
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TURNING POINTS AS CONTROL			
IL ROUTE 43 AT ARCHER AVE..			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	15
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

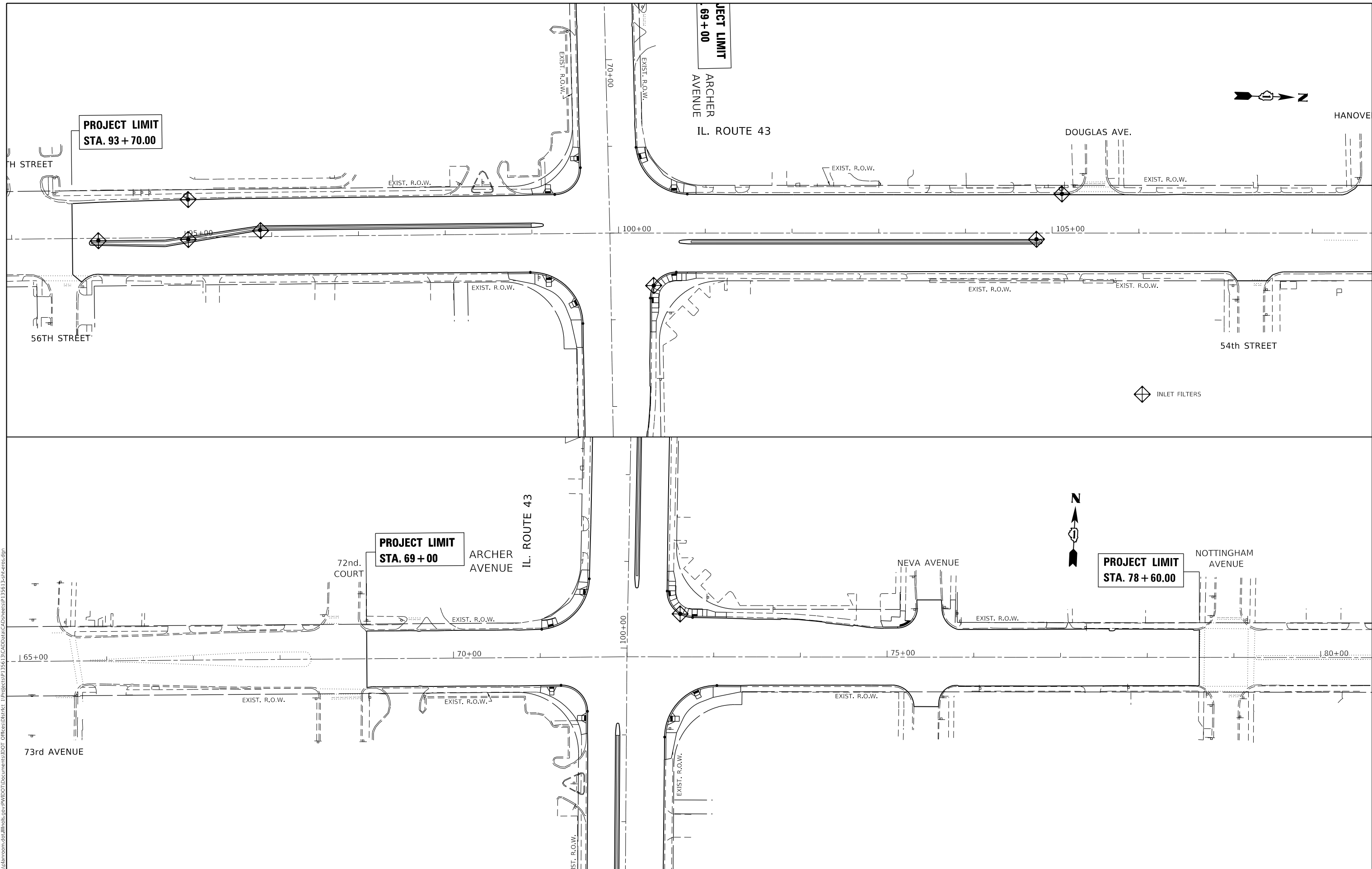
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BY	
PLAN	
SURVEYED	
PLOTTED	
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GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CAD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CAD FILE NAME	



62.1.29	62.1.75	622.08	622.15	622.14	622.08	622.22	622.47	622.70	622.81	623.00	622.93	622.88	622.79	622.74	623.17						
64+00	65+00	66+00	67+00	68+00	69+00	70+00	71+00	72+00	73+00	74+00	75+00	76+00	77+00	78+00	79+00						
USER NAME = josephm		DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				IL ROUTE 43 (HARLEM AVE.) AT ARCHER AVE. ROADWAY PLAN AND PROFILE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
PLOT SCALE = 100.0000' / in.		DRAWN -	REVISD -									348	2324.3-N	COOK	80	16					
PLOT DATE = 3/24/2020		CHECKED -	REVISD -									SCALE: 1" = 50'				SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62F90	
		DATE -	REVISD -									ILLINOIS FED. AID PROJECT									

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USER NAME = josephm	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/24/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (HARLEM AVE.) AT ARCHER AVE.
 EROSION CONTROL PLANS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	19
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

SUGGESTED CONTRUCTION SEQUENCE

PRIOR TO BEGINNING OF CONSTRUCTION, INSTALL "TEMPORARY INFORMATION SIGNING" ON IL ROUTE 43 AND ALONG ARCHER AVENUE PER DISTRICT DETAIL TC-22.
INSTALL TEMPORARY TRAFFIC SIGNAL AS SHOWN ON SIGNAL PLANS.

STAGE I

ESTABLISH TRAFFIC CONTROL USING HIGHWAY STANDARDS: 701701, 701801, 701901
MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS AT ALL TIMES. (SEE PAGE 21 FOR DETAILS)

WORK TO BE PERFORMED ON ALL 4 CORNERS OF IL ROUTE 43 & ARCHER AVE

1. MODIFY CORNER RAIDIUSES AS SHOWN ON ROADWAY PLAN AND PROFILE
2. INSTALL PROP. STORM SEWER AND DRAINAGE STRUCTURE AS SHOWN ON DRAINAGE PLANS
3. INSTALL TRAFFIC SIGNAL FOUNDATIONS AT LOCATIONS SHOWN ON TRAFFIC SIGNAL PLANS
4. INSTALL TRAFFIC SIGNALS (MAST ARMS WITH SIGNAL HEADS)
5. CONSTRUCT ADA CURB RAMPS AS SHONW ON ADA PLANS
6. INSTALL TRAFFIC SIGNS AS PROPOSED ON PAVEMENT MARKING & SIGNING PLANS

STAGE II

ESTABLISH TRAFFIC CONTROL PER PLANS. SEE PAGES 22 & 23 FOR DETAILS.
THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION (SPECIAL)
MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS AT ALL TIMES.
DAYTIME LANE CLOSURES SETUP PER HIGHWAY STANDARDS 701701, 701801, 701901, TC-14

WORK TO BE PERFORMED ON IL ROUTE 43 (HARLEM AVENUE)

1. CONSTRUCT 5-FOOT CONCRETE MEDIAN AS SHOWN ON ROADWAY PLANS AND PROFILE
2. INSTALL PROP. STORM SEWERS AND DRAINAGE STRUCTURES AS SHOWN ON DRAINAGE PLANS
3. INSTALL TRAFFIC SIGNS AS PROPOSED ON PAVEMENT MARKING & SIGNING PLANS

STAGE III

MILL EXSITING PAVEMENT WITHIN THE PROJECT LIMITS AND INSTALL FINAL HMA BINDER & HMA SURFACE ON THE MILLED AREA,
INSTALL FINAL PAVEMENT MARKING, RAISED REFLECTIVE PAVEMENT MARKERS, AND ALL OTHER COLLATERAL WORK AS SHOWN
ON THE TYPICAL SECTIONS AND PAVEMENT MARKING PLANS. (HIGHWAY STANDARDS 701427, 701601, 701701, 701801, 701901)

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PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -			348	2324.3-N	COOK	80	20	
PLOT DATE = 3/24/2020	CHECKED -	REVISED -			CONTRACT NO. 62F90					
	DATE -	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO STA.

DURING CONSTRUCTION (NE CORNER):

WB ARCHER AVE RIGHT TURN LANE MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)
 NB IL 43 LANE 3 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)

DURING CONSTRUCTION (NW CORNER):

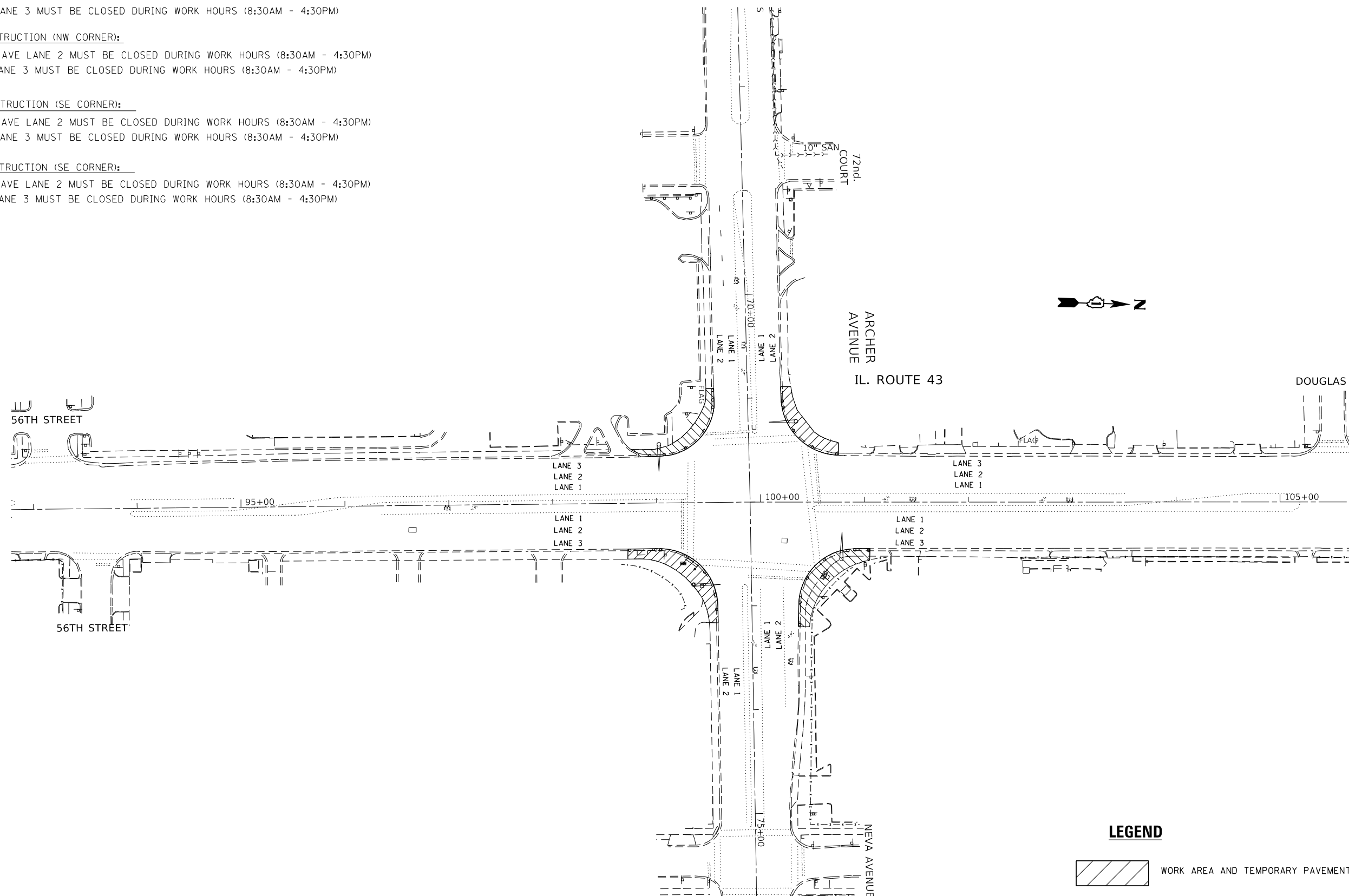
WB ARCHER AVE LANE 2 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)
 SB IL 43 LANE 3 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)

DURING CONSTRUCTION (SE CORNER):

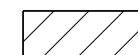
EB ARCHER AVE LANE 2 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)
 NB IL 43 LANE 3 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)

DURING CONSTRUCTION (SW CORNER):

EB ARCHER AVE LANE 2 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)
 SB IL 43 LANE 3 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)



LEGEND



WORK AREA AND TEMPORARY PAVEMENT



BARRICADE TYPE II OR DRUM WITH STEADY BURN, BI-DIRECTIONAL LIGHT
 @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII AND 20' C-C IN TAPERS
 WITH EDGE LINE, 4", SOLID

MODEL: Default
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USER NAME = josephm	DESIGNED -	REVISED -
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PLOT DATE = 3/24/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL
 STAGE 1**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	21
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

LEGEND – WORK ZONE PAVEMENT MARKINGS

- ① LINE 4", SOLID, YELLOW - EDGE LINES (TYP)
- ② LINE 4", SKIP-DASH, WHITE, 10' LINE WITH 30' SPACE (TYP) - LANE LINES (TYP)
- ③ LINE 6", SOLID, WHITE - TURN LANE MARKINGS (TYP)
- ④ LINE 6", SKIP-DASH, 2' LINE WITH 6' SPACE - DOTTED LINES (TYP)
- ⑤ LETTERS & SYMBOLS, SOLID, WHITE - TURN LANE MARKINGS (TYP)
- ⑥ LINE 24", SOLID, WHITE - STOP LINES (TYP)

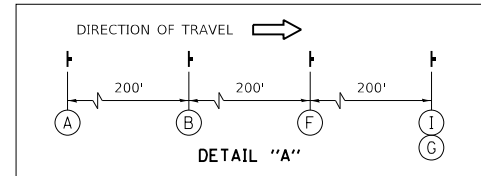
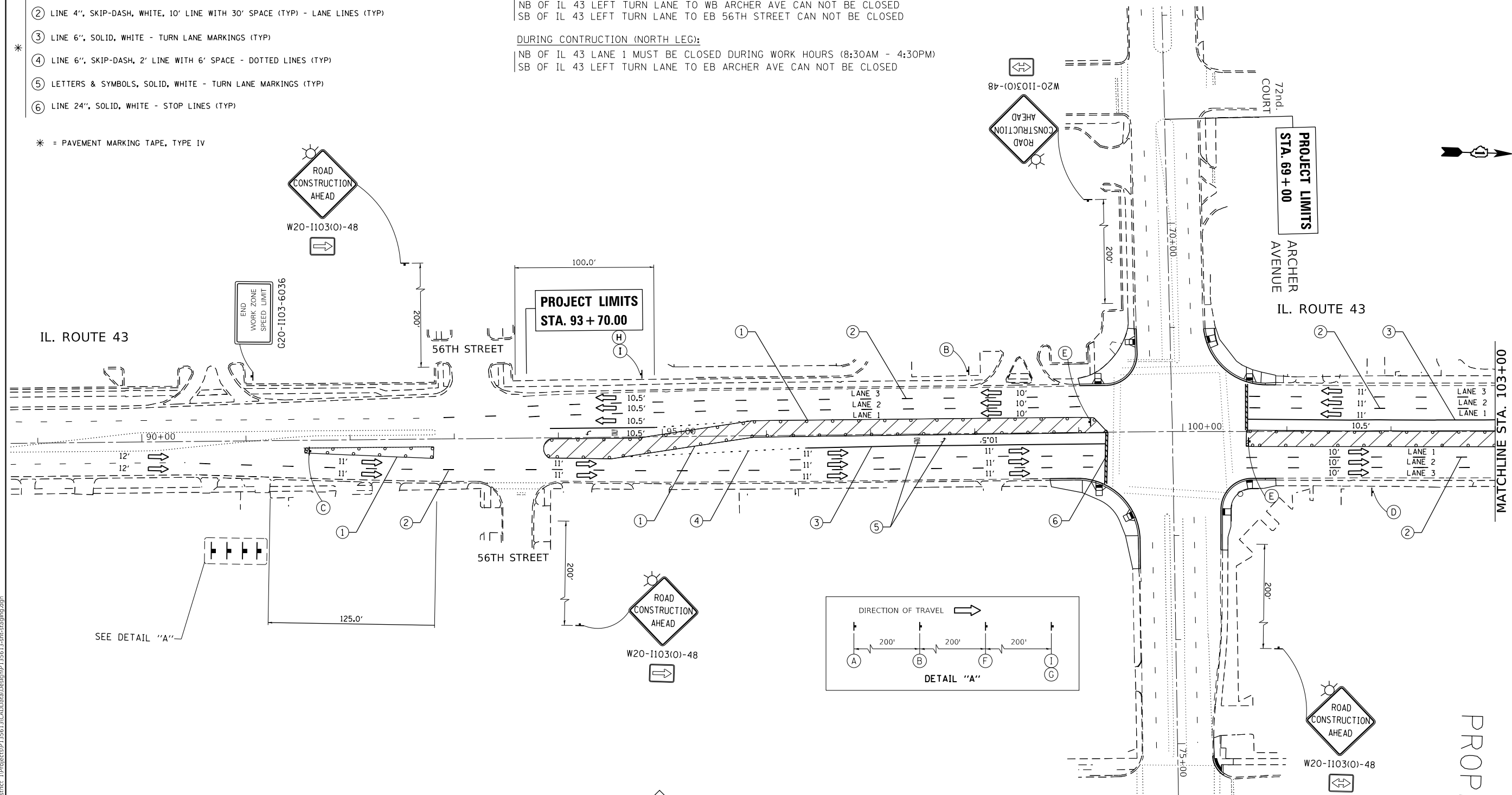
* = PAVEMENT MARKING TAPE, TYPE IV

DURING CONSTRUCTION (SOUTH LEG):

SB OF IL 43 LANE 1 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)
 NB OF IL 43 LEFT TURN LANE TO WB ARCHER AVE CAN NOT BE CLOSED
 SB OF IL 43 LEFT TURN LANE TO EB 56TH STREET CAN NOT BE CLOSED

DURING CONSTRUCTION (NORTH LEG):

NB OF IL 43 LANE 1 MUST BE CLOSED DURING WORK HOURS (8:30AM - 4:30PM)
 SB OF IL 43 LEFT TURN LANE TO EB ARCHER AVE CAN NOT BE CLOSED



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

LEGEND

- WORK AREA AND TEMPORARY PAVEMENT
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- BARRICADE TYPE II OR DRUM WITH STEADY BURN, BI-DIRECTIONAL LIGHT @ 50' C-C (TYP), 10' C-C IN CURVES AND RADII AND 20' C-C IN TAPERS WITH EDGE LINE, 4", SOLID

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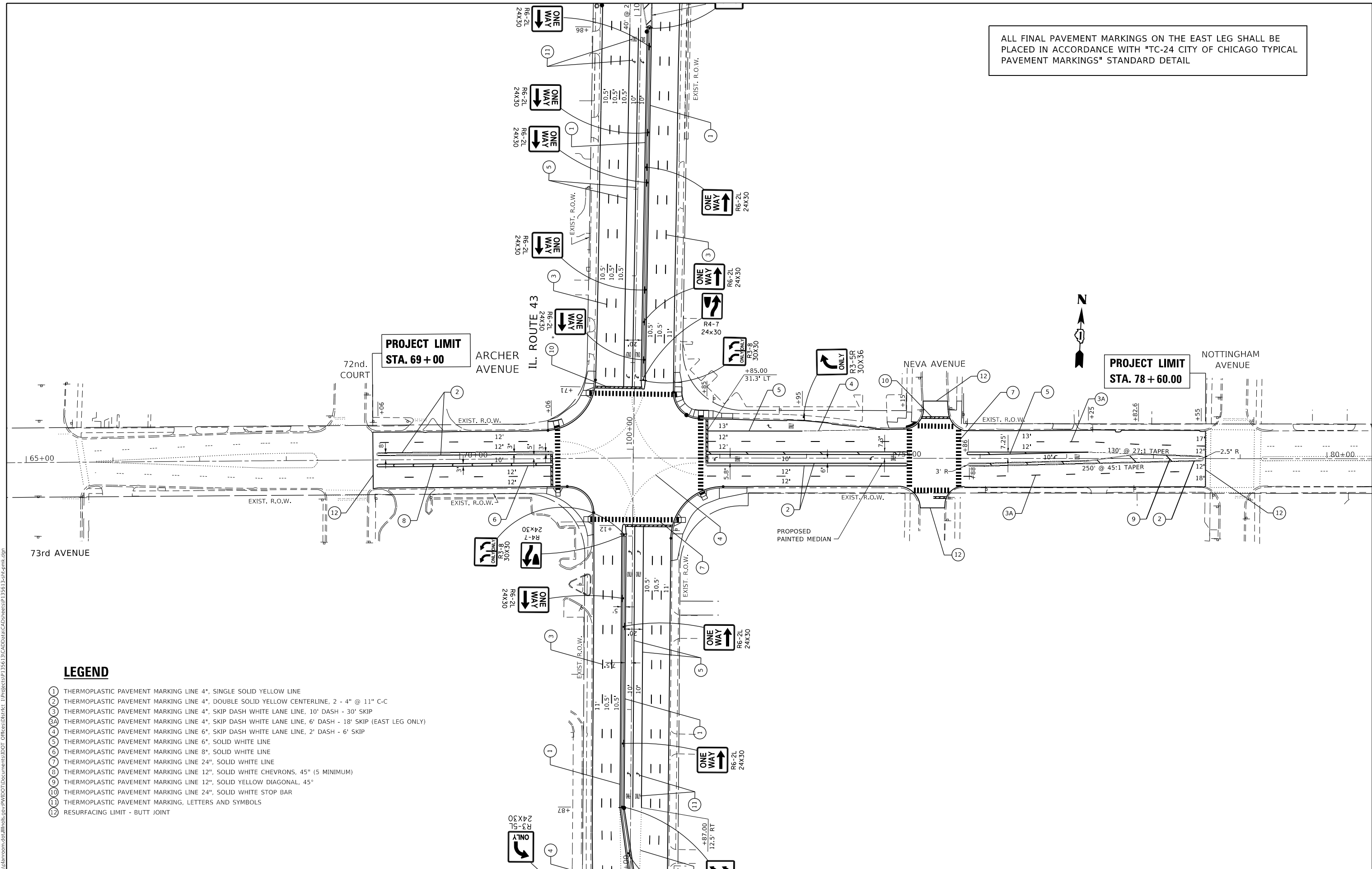
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PLOT DATE = 3/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGES OF CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL	
STAGE 2	
SCALE: 1"=50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 22
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

ALL FINAL PAVEMENT MARKINGS ON THE EAST LEG SHALL BE PLACED IN ACCORDANCE WITH "TC-24 CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL



LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE 4", SINGLE SOLID YELLOW LINE
- ② THERMOPLASTIC PAVEMENT MARKING LINE 4", DOUBLE SOLID YELLOW CENTERLINE, 2 - 4" @ 11" C-C
- ③ THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ③A THERMOPLASTIC PAVEMENT MARKING LINE 4", SKIP DASH WHITE LANE LINE, 6' DASH - 18' SKIP (EAST LEG ONLY)
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE 6", SOLID WHITE LINE
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE 8", SOLID WHITE LINE
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE LINE
- ⑧ THERMOPLASTIC PAVEMENT MARKING LINE 12", SOLID WHITE CHEVRONS, 45° (5 MINIMUM)
- ⑨ THERMOPLASTIC PAVEMENT MARKING LINE 12", SOLID YELLOW DIAGONAL, 45°
- ⑩ THERMOPLASTIC PAVEMENT MARKING LINE 24", SOLID WHITE STOP BAR
- ⑪ THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS
- ⑫ RESURFACING LIMIT - BUTT JOINT

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43 (HARLEM AVE.) AT ARCHER AVE.
PAVEMENT MARKING AND SIGNING PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	29
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA 101+50

IL RTE 43 (HARLEM AVE)

100+00

ARCHER AVE

70+00

75+00

ARCHER AVE

IL RTE 43 (HARLEM AVE)

MATCHLINE STA 98+00

TEMPORARY RADIO INTERCONNECT TO I-55 SOUTH RAMPS
(SEE TEMPORARY INTERCONNECT SCHEMATIC)

TEMPORARY RADIO INTERCONNECT TO 57TH STREET
(SEE TEMPORARY INTERCONNECT SCHEMATIC)

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 STEEL MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 5 EACH 3-SECTION SIGNAL HEAD
- 10 EACH 5-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 10 EACH TRAFFIC SIGNAL BACKPLATE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
STATE SPARE PARTS DEPARTMENT

- 1 EACH CONTROLLER AND CABINET (COMPLETE)

RED LIGHT RUNNING CAMERA NOTES:

DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA WITHIN THE PROJECT LIMITS, CONTRACTOR SHALL NOTIFY THE VILLAGE OF SUMMIT AND SAFE SPEED, LLC PRIOR TO THE START OF CONSTRUCTION.

VILLAGE OF SUMMIT
7321 W. 59TH STREET
SUMMIT, ILLINOIS 60501
P: (847) 358-7500

SAFE SPEED, LLC
150 N. WACKER DR
CHICAGO, IL 60606
P: (877) 237-2331

THE VILLAGE OF SUMMIT OR SAFE SPEED, 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.

TS SHT NO. 01

TS 2260
ECON 55

Sam Schwartz
223 W. JACKSON
SUITE 1100
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = esolutz	DESIGNED - ECS	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - ECS	REVISED -
PLOT DATE = 3/26/2020	CHECKED - PAW	REVISED -
	DATE - 03/23/2020	REVISED -

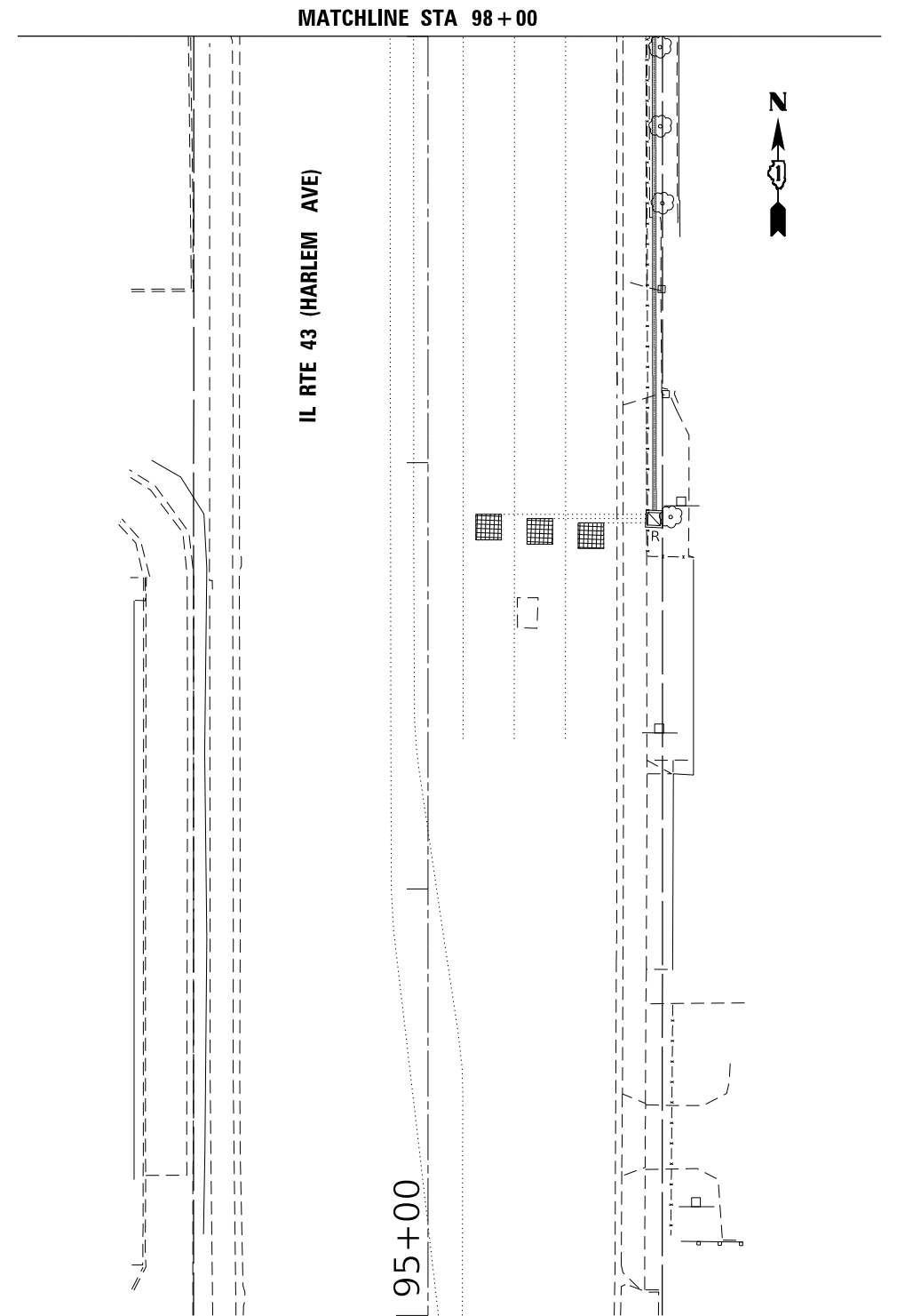
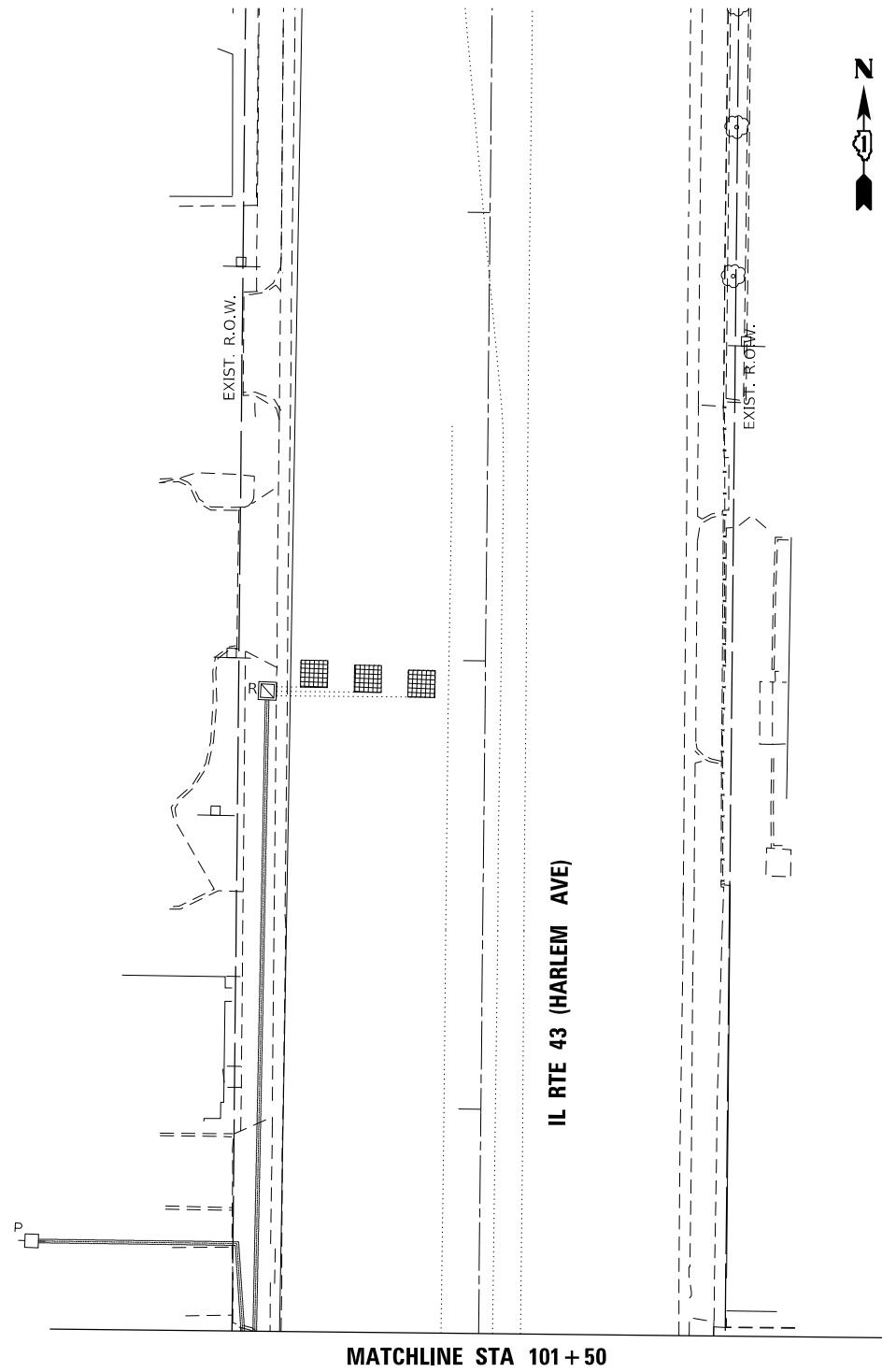
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 - TEMPORARY TRAFFIC SIGNAL INSTALLATION AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 1 OF 2)
IL RTE 43 (HARLEM AVE) AND ARCHER AVE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	30
				CONTRACT NO. 62F90
ILLINOIS FED. AID PROJECT				

TS SHT NO. 02



TS 2260
ECON 55

Sam Schwartz
223 W. JACKSON
SUITE 1100
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = esolutz	DESIGNED - ECS	REVISED -
DRAWN - ECS	REVISED -	
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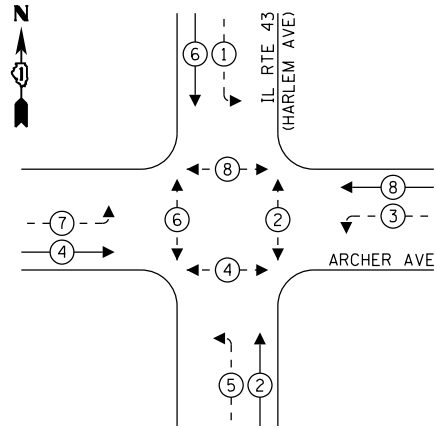
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1 TEMPORARY TRAFFIC SIGNAL INSTALLATION AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN (SHEET 2 OF 2)
IL RTE 43 (HARLEM AVE) AND ARCHER AVE

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

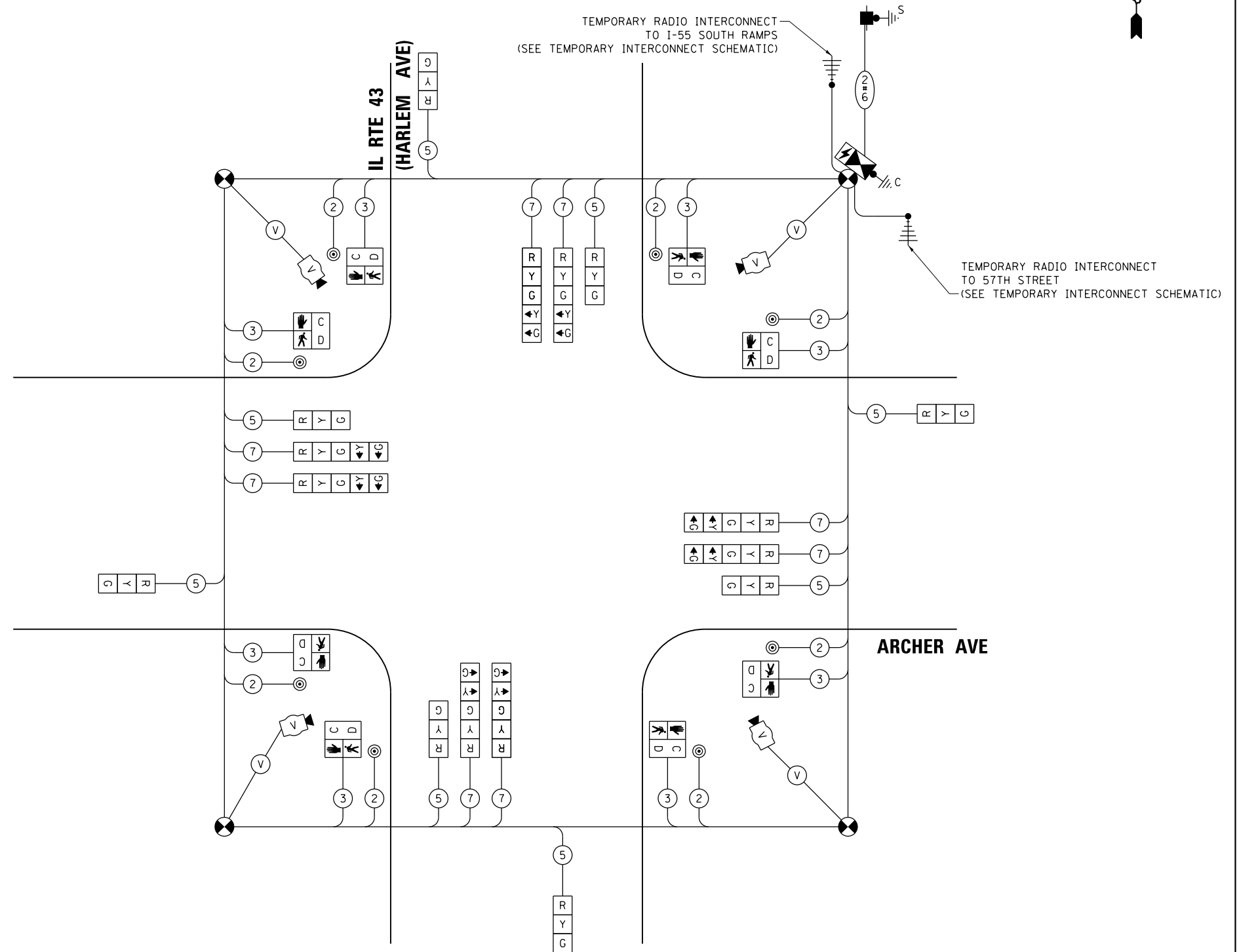
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	31
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				641.4

ENERGY COSTS TO:

VILLAGE OF SUMMIT
7321 W 59TH ST
SUMMIT, IL 60501

ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN
PHONE: (708) 235-2692
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

TS SHT NO. 03

Sam Schwartz
223 W. JACKSON
SUITE 1100
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = <u>esolutz</u>	DESIGNED - <u>ECS</u>	REVISED -
PLOT SCALE = <u>48.0000' / in.</u>	DRAWN - <u>ECS</u>	REVISED -
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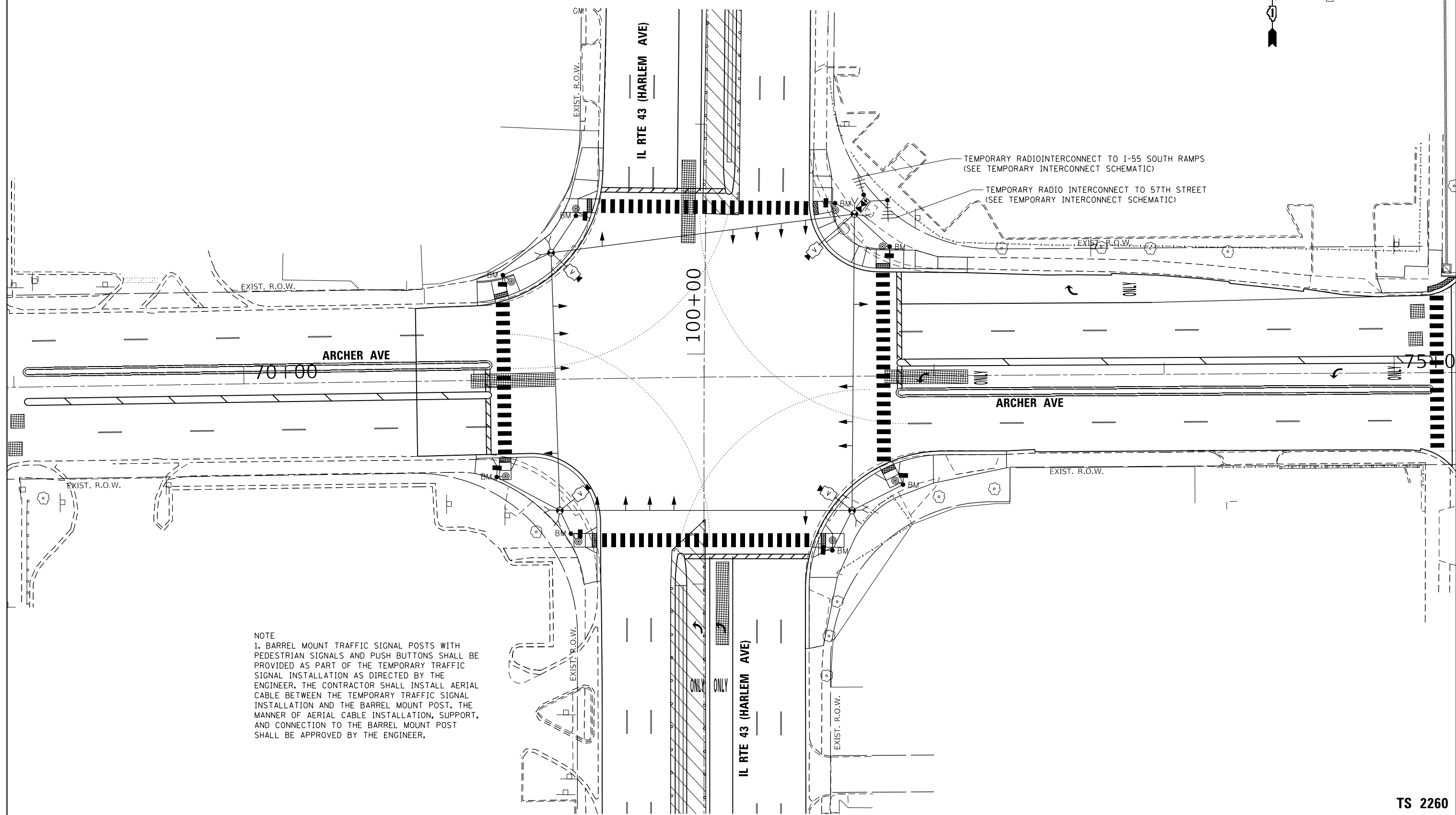
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 1 TEMPORARY CABLE PLAN, AND PHASE DESIGNATION DIAGRAM
IL RTE 43 (HARLEM AVE) AND ARCHER AVE**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. <u>348</u>	SECTION <u>2324.3-N</u>	COUNTY <u>COOK</u>	TOTAL SHEETS <u>80</u>	SHEET NO. <u>32</u>
CONTRACT NO. <u>62F90</u>				
ILLINOIS FED. AID PROJECT				

**TS 2260
ECON 55**



NOTE
 1. BARREL MOUNT TRAFFIC SIGNAL POSTS WITH PEDESTRIAN SIGNALS AND PUSH BUTTONS SHALL BE PROVIDED AS PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL INSTALL AERIAL CABLE BETWEEN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION AND THE BARREL MOUNT POST. THE MANNER OF AERIAL CABLE INSTALLATION, SUPPORT, AND CONNECTION TO THE BARREL MOUNT POST SHALL BE APPROVED BY THE ENGINEER.

TS SHT NO. 04

TS 2260
 ECON 55

Sam Schwartz
 223 W. JACKSON
 SUITE 1100
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = esolutz	DESIGNED - ECS	REVISED -
	DRAWN - ECS	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - PAW	REVISED -
PLOT DATE = 3/26/2020	DATE - 03/23/2020	REVISED -

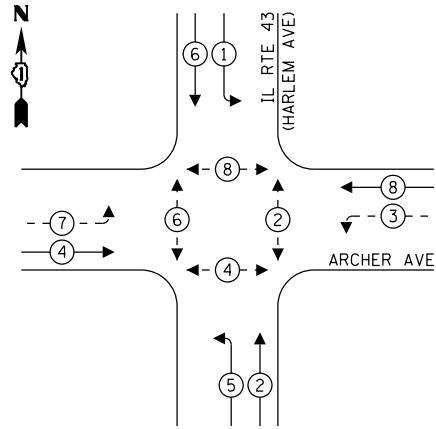
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGE 2 - TEMPORARY TRAFFIC SIGNAL INSTALLATION
 IL RTE 43 (HARLEM AVE) AND ARCHER AVE

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

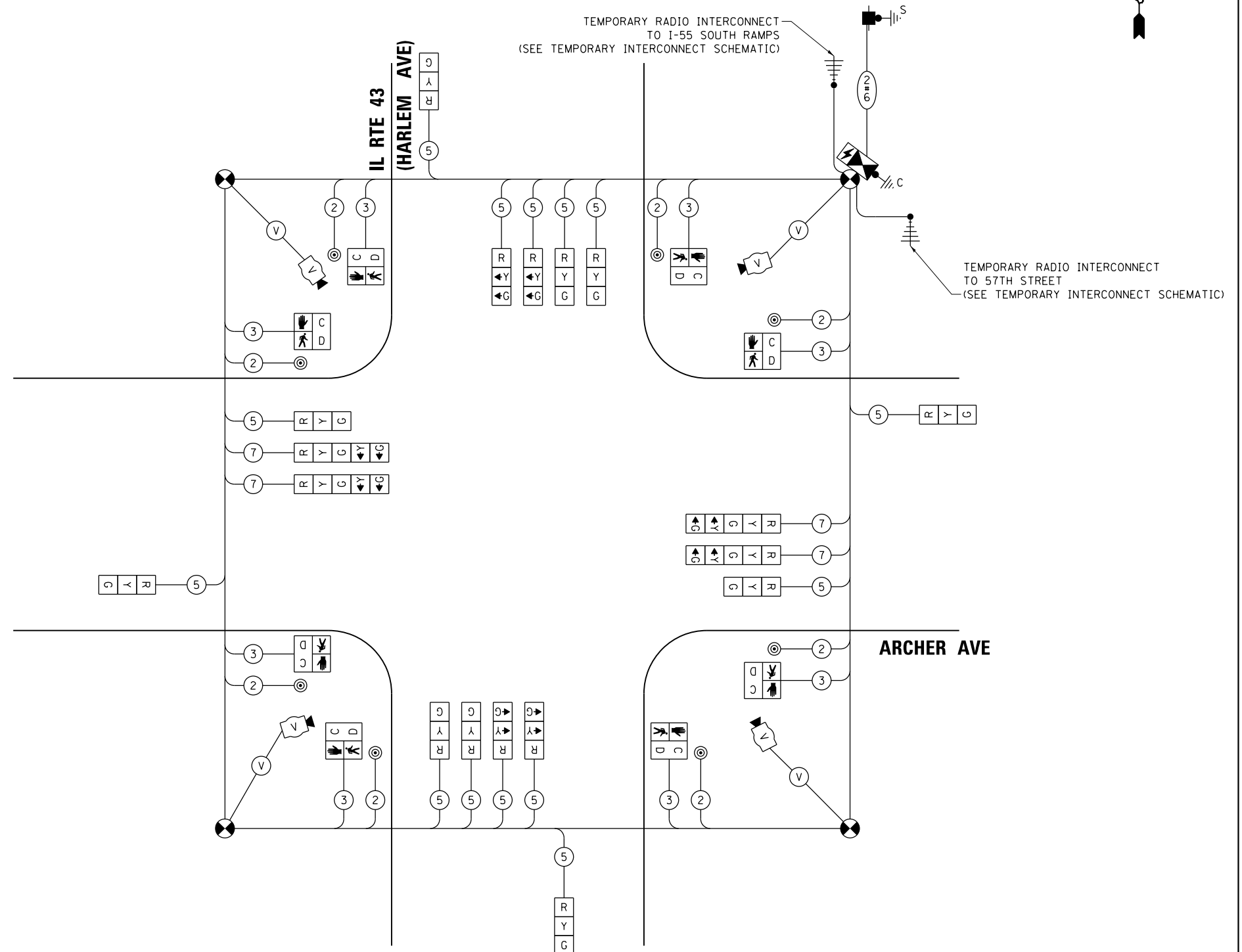
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	33
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONTROLLER SEQUENCE



LEGEND:

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



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				657.2

ENERGY COSTS TO:

VILLAGE OF SUMMIT
7321 W 59TH ST
SUMMIT, IL 60501

ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN
PHONE: (708) 235-2692
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

TS SHT NO. 05

Sam Schwartz
223 W. JACKSON
SUITE 1100
CHICAGO, IL 60606
TEL: (773) 305-0800

USER NAME = esolutz	DESIGNED - ECS	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - ECS	REVISED -
PLOT DATE = 3/26/2020	CHECKED - PAW	REVISED -
	DATE - 03/23/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 2 CABLE PLAN, AND PHASE DESIGNATION DIAGRAM
IL RTE 43 (HARLEM AVE) AND ARCHER AVE**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	34
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

**TS 2260
ECON 55**

TS SHT NO. 06

NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

Sam Schwartz
 223 W. JACKSON
 SUITE 1100
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = esolutz	DESIGNED - ECS	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - ECS	REVISED -
PLOT DATE = 4/2/2020	CHECKED - PAW	REVISED -
	DATE - 03/23/2020	REVISED -

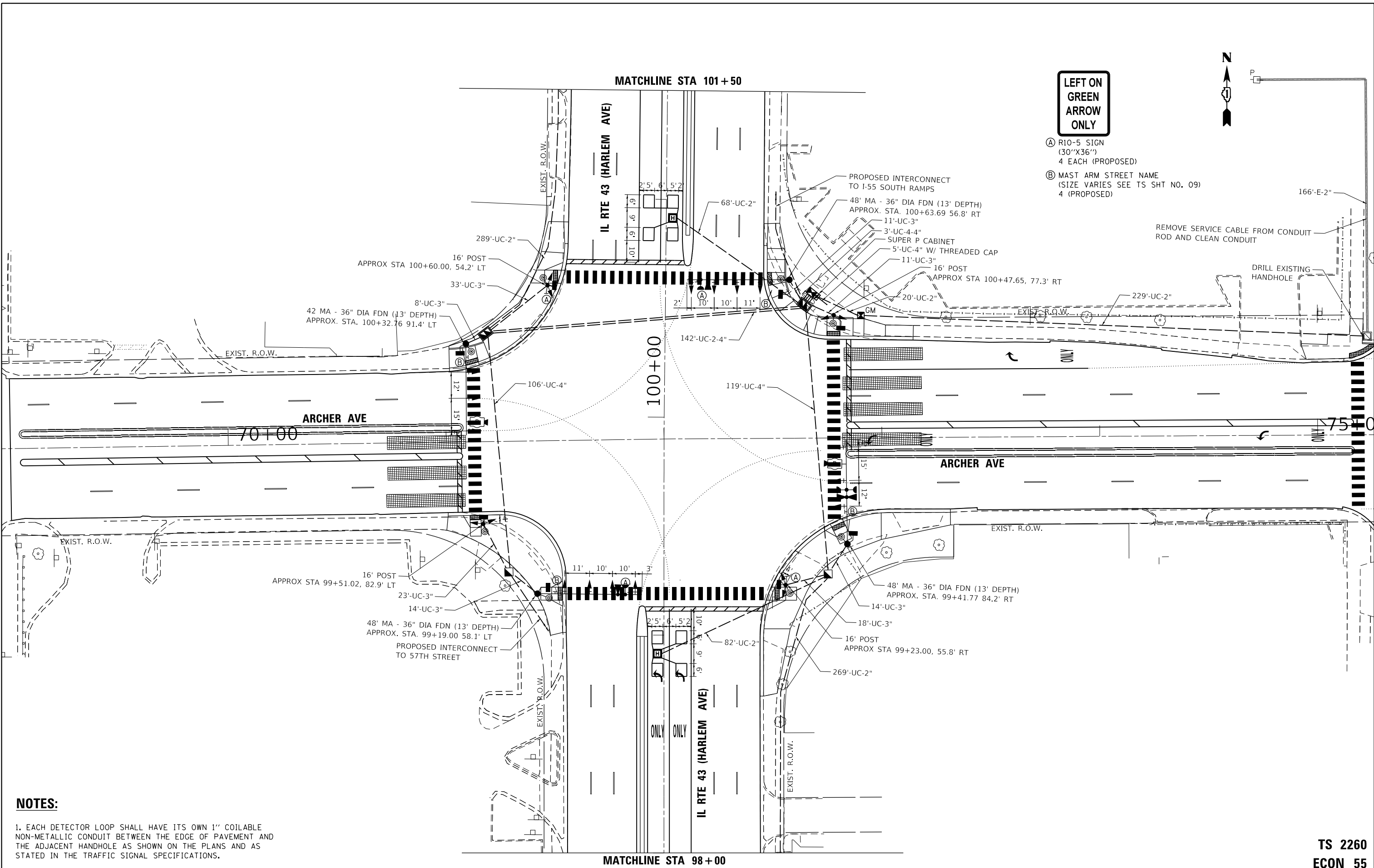
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2)
 IL RTE 43 (HARLEM AVE) AND ARCHER AVE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	35
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

TS 2260
 ECON 55



LEFT ON GREEN ARROW ONLY

- Ⓐ R10-5 SIGN (30"X36") 4 EACH (PROPOSED)
- Ⓑ MAST ARM STREET NAME (SIZE VARIES SEE TS SHT NO. 09) 4 (PROPOSED)



166'-E-2"

REMOVE SERVICE CABLE FROM CONDUIT ROD AND CLEAN CONDUIT

DRILL EXISTING HANDHOLE

ONLY

ARCHER AVE

MATCHLINE STA 98+00

MATCHLINE STA 101+50

IL RTE 43 (HARLEM AVE)

IL RTE 43 (HARLEM AVE)

ARCHER AVE

75+00

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

100+00

EXIST. R.O.W.

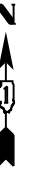
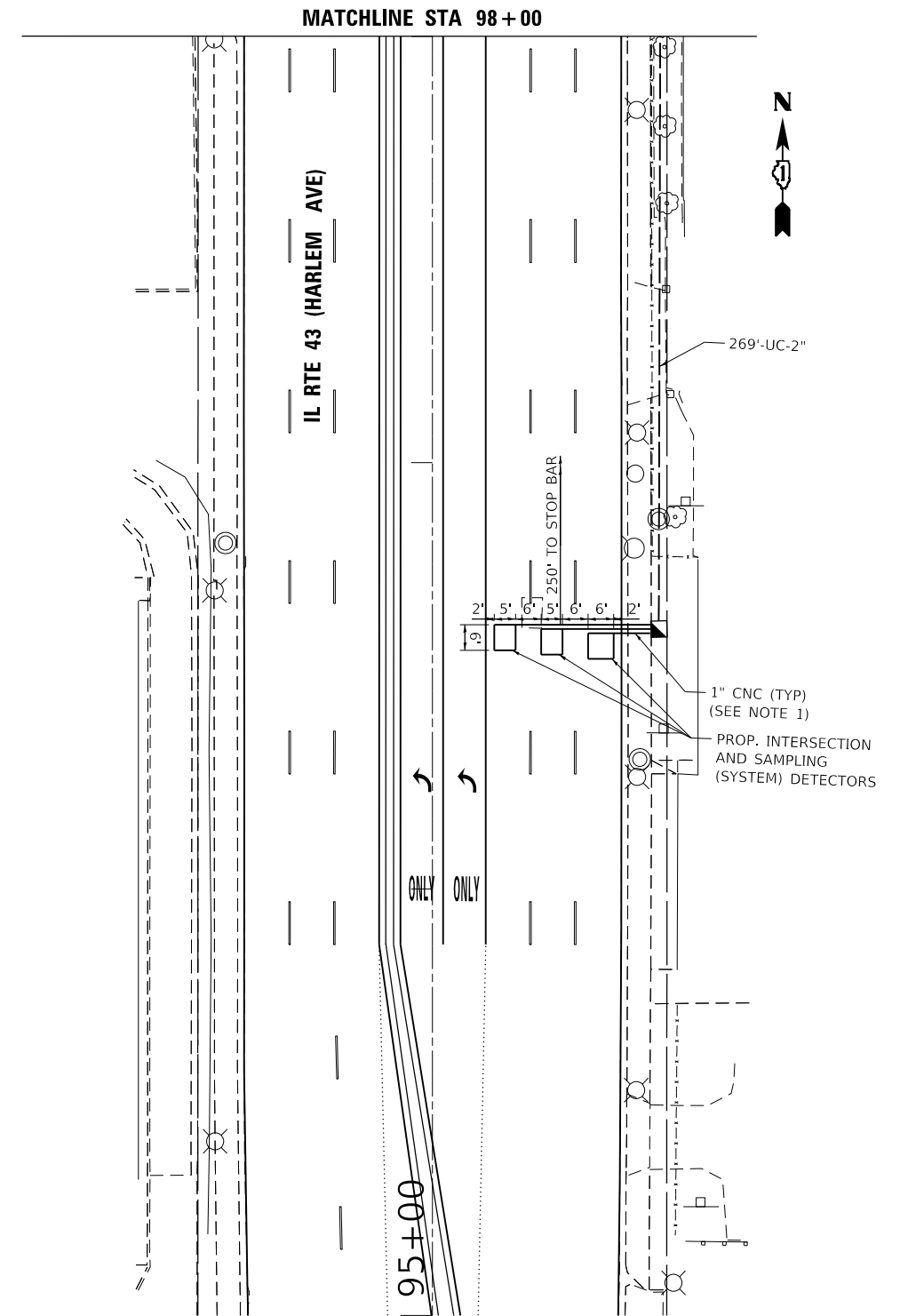
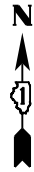
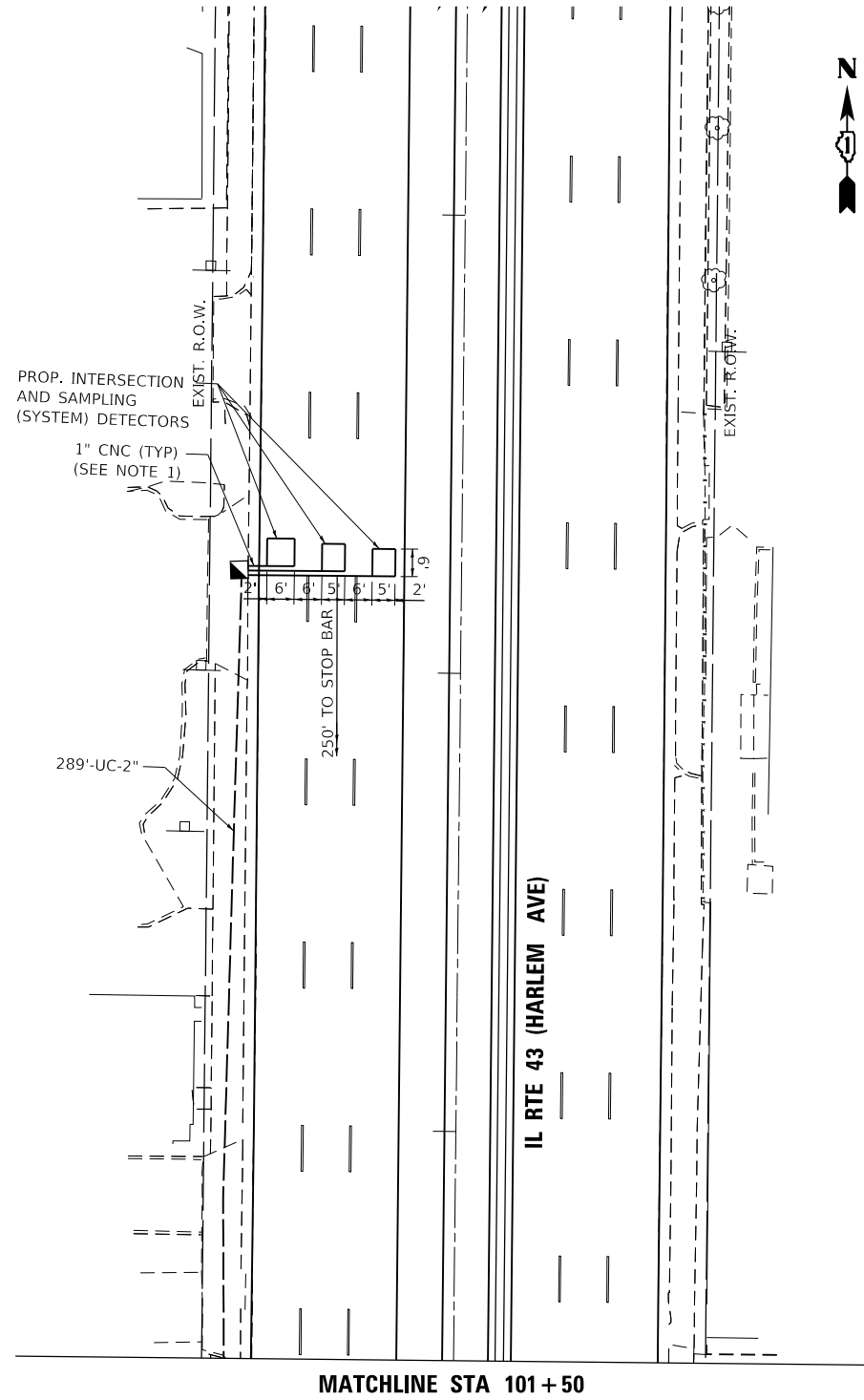
EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

EXIST. R.O.W.

TS SHT NO. 07



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

Sam Schwartz
 223 W. JACKSON
 SUITE 1100
 CHICAGO, IL 60606
 TEL: (773) 305-0800

USER NAME = esolutz	DESIGNED - ECS	REVISED -
	DRAWN - ECS	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED - PAW	REVISED -
PLOT DATE = 3/26/2020	DATE - 03/23/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

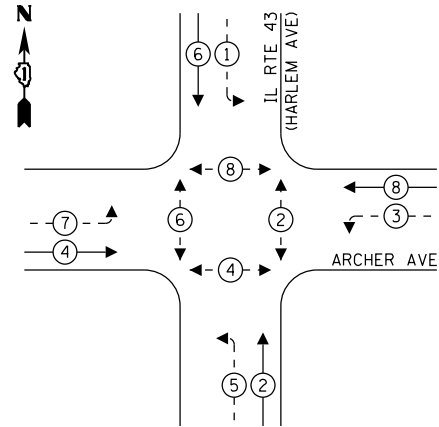
**TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)
 IL RTE 43 (HARLEM AVE) AND ARCHER AVE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	36
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

**TS 2260
 ECON 55**

EXISTING CONTROLLER SEQUENCE



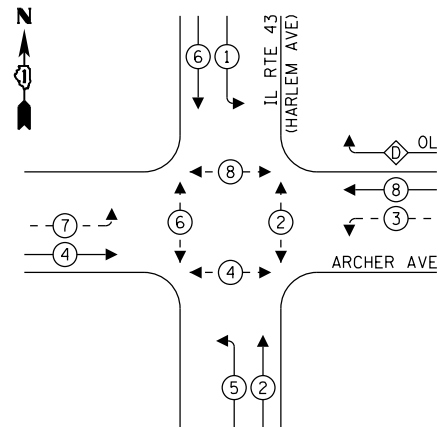
LEGEND:

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

RIGHT TURN OVERLAP PHASE DESIGNATION:

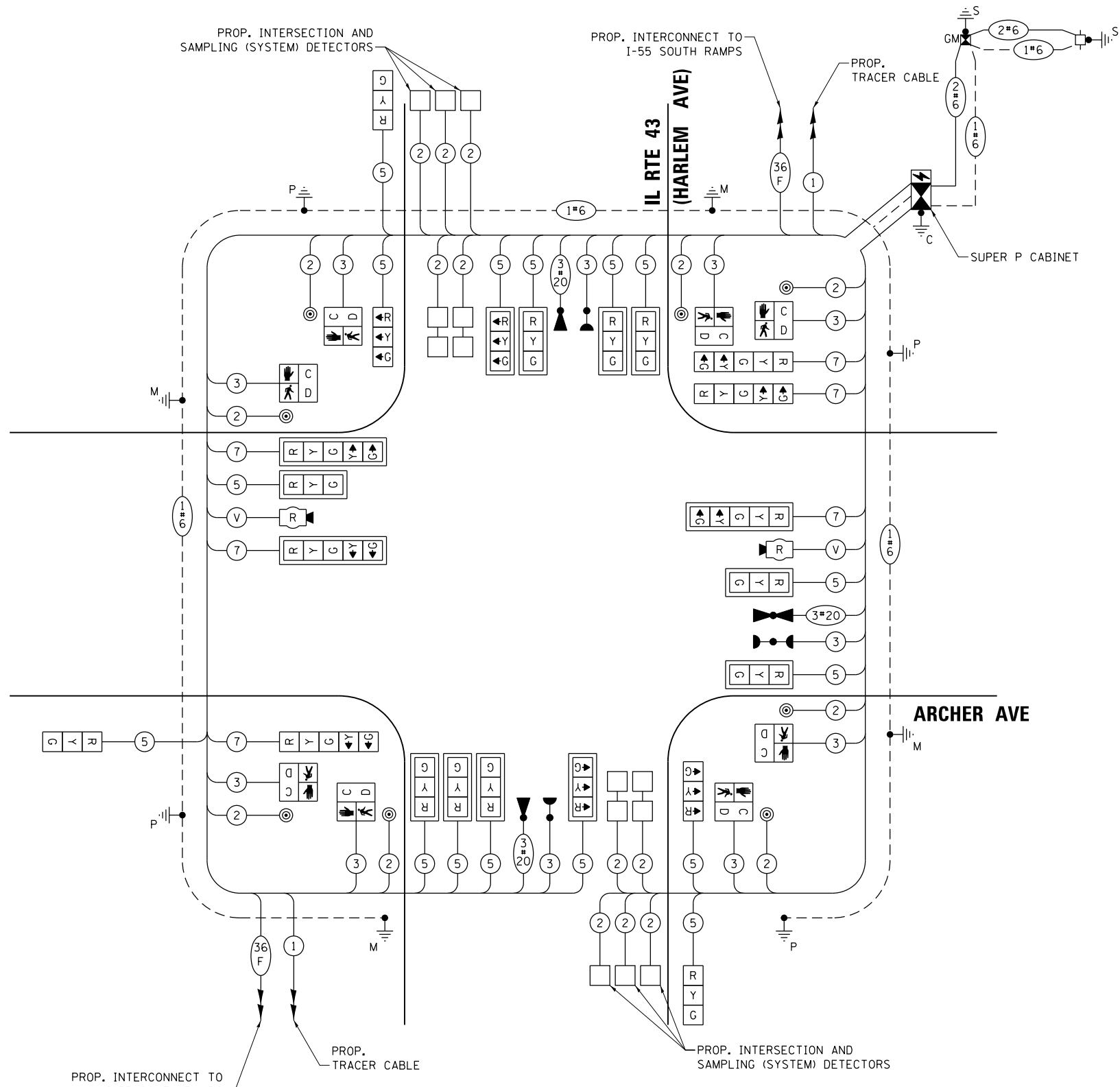
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	1

PROPOSED CONTROLLER SEQUENCE



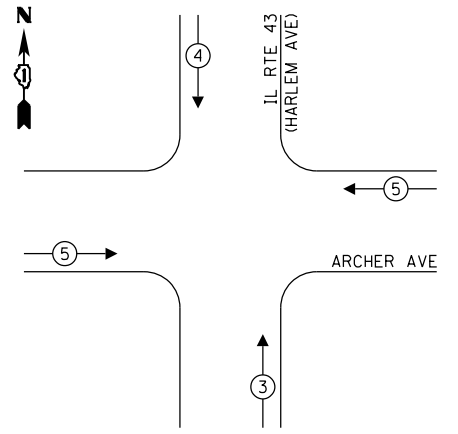
RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	8	1



CABLE PLAN
(NOT TO SCALE)

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	12	10	10	12.0
PED. SIGNAL	8	20	100	160.0
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	-	-	-	-
TOTAL =				558.8

ENERGY COSTS TO:
 VILLAGE OF SUMMIT
 7321 W 59TH ST
 SUMMIT, IL 60501
 ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN
 PHONE: (708) 235-2692
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

TS SHT NO. 08

Sam Schwartz
 223 W. JACKSON
 SUITE 1100
 CHICAGO, IL 60606
 TEL: (773) 305-0800

DESIGNED - ECS	REVISED -
DRAWN - ECS	REVISED -
CHECKED - PAW	REVISED -
DATE - 03/23/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

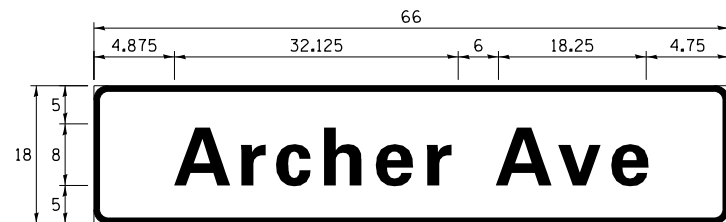
**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 IL RTE 43 (HARLEM AVE) AND ARCHER AVE**

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 37
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

**TS 2260
 ECON 55**

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	8.25	1	ZZ	2



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

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

SCHEDULE OF QUANTITIES

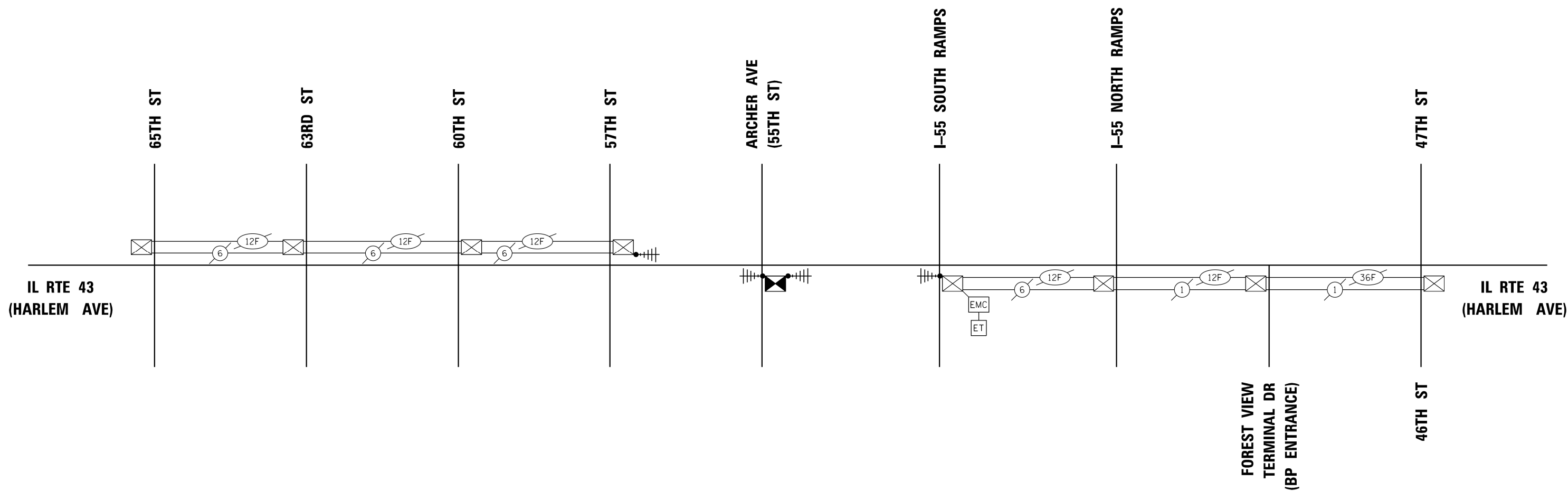
ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	47
SIGN PANEL - TYPE 2	SQ FT	28
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	957
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	132
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	526
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1480
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2222
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3572
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1127
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3369
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	442
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1675
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	52
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	11
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	14
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	457
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	332
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	686
ROD AND CLEAN EXISTING CONDUIT	FOOT	166
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM-LEVEL 2	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE VILLAGE OF SUMMIT

TS SHT NO. 09

TS 2260
ECON 55

Sam Schwartz 223 W. JACKSON SUITE 1101 CHICAGO, IL 60606 TEL: (773) 305-0800	USER NAME = esolutz	DESIGNED - ECS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES IL RTE 43 (HARLEM AVE) AND ARCHER AVE	F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 38
	PLOT SCALE = 48.0000' / in.	CHECKED - PAW	REVISED -			SCALE: NTS	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62F90	
	PLOT DATE = 4/2/2020	DATE - 03/23/2020	REVISED -							



TS SHT NO. 10

ECON 55

Sam Schwartz
 223 W. JACKSON
 SUITE 1101
 CHICAGO, IL 60606
 TEL: (773) 305-0800

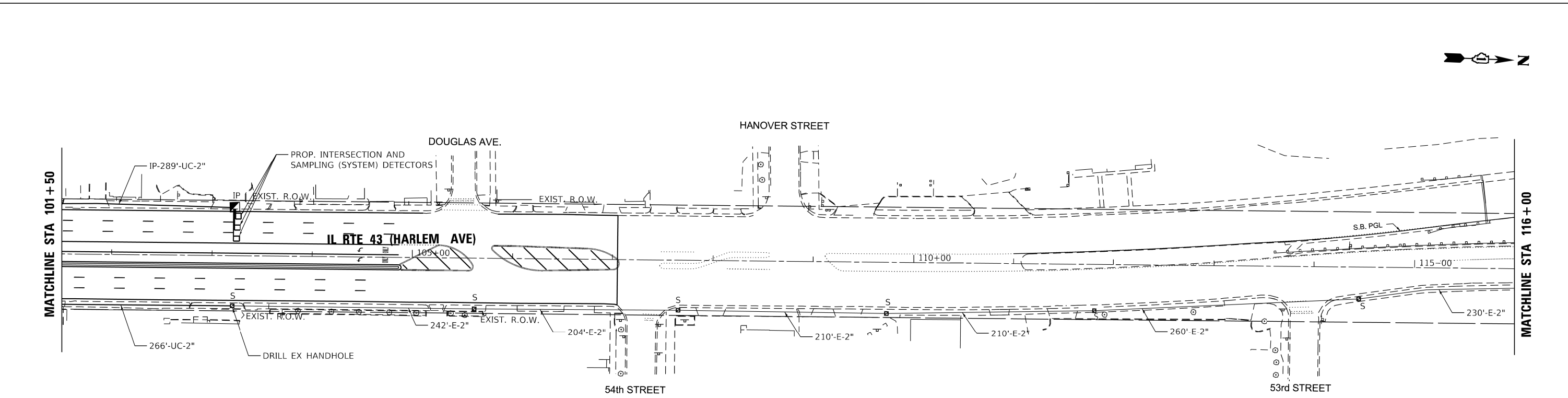
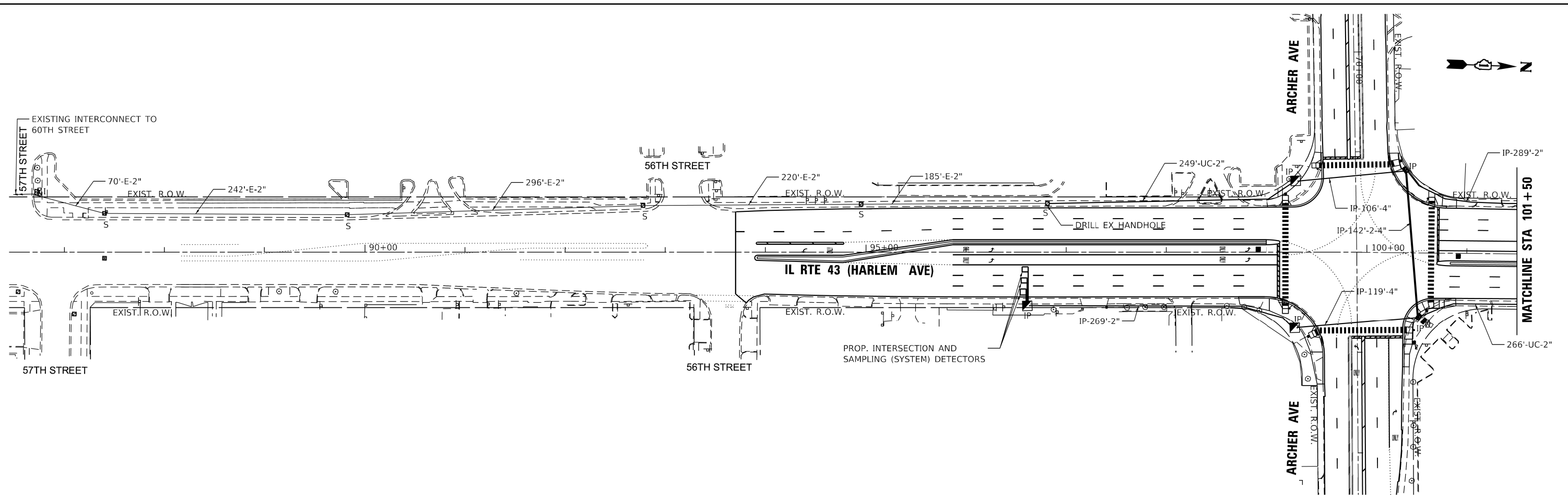
USER NAME = esolutz	DESIGNED - ECS	REVISED -
	DRAWN - ECS	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - PAW	REVISED -
PLOT DATE = 3/4/2020	DATE - 12/19/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT SCHEMATIC
 IL RTE 43 (HARLEM AVE) - 57TH STREET TO I-55 SOUTH RAMPS**

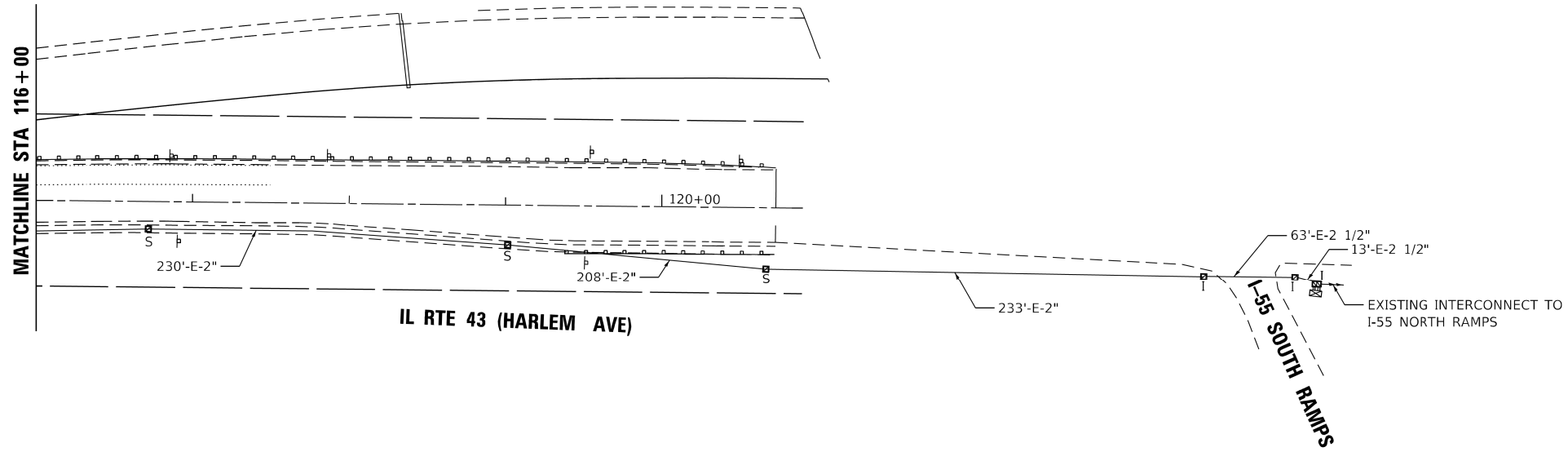
SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	39
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



TS SHT NO. 11

Sam Schwartz 223 W. JACKSON SUITE 1101 CHICAGO, IL 60606 TEL: (773) 305-0800	USER NAME = esolutz	DESIGNED - ECS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN (SHEET 1 OF 2) IL RTE 43 (HARLEM AVE) - 57TH STREET TO I-55 SOUTH RAMPS				F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 40
	PLOT SCALE = 100.0000' / 1" =	CHECKED - PAW	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62F90	
	PLOT DATE = 3/4/2020	DATE - 12/19/2019	REVISED -		ILLINOIS FED. AID PROJECT								



TS SHT NO. 12

Sam Schwartz
 223 W. JACKSON
 SUITE 1101
 CHICAGO, IL 60606
 TEL: (773) 305-0800

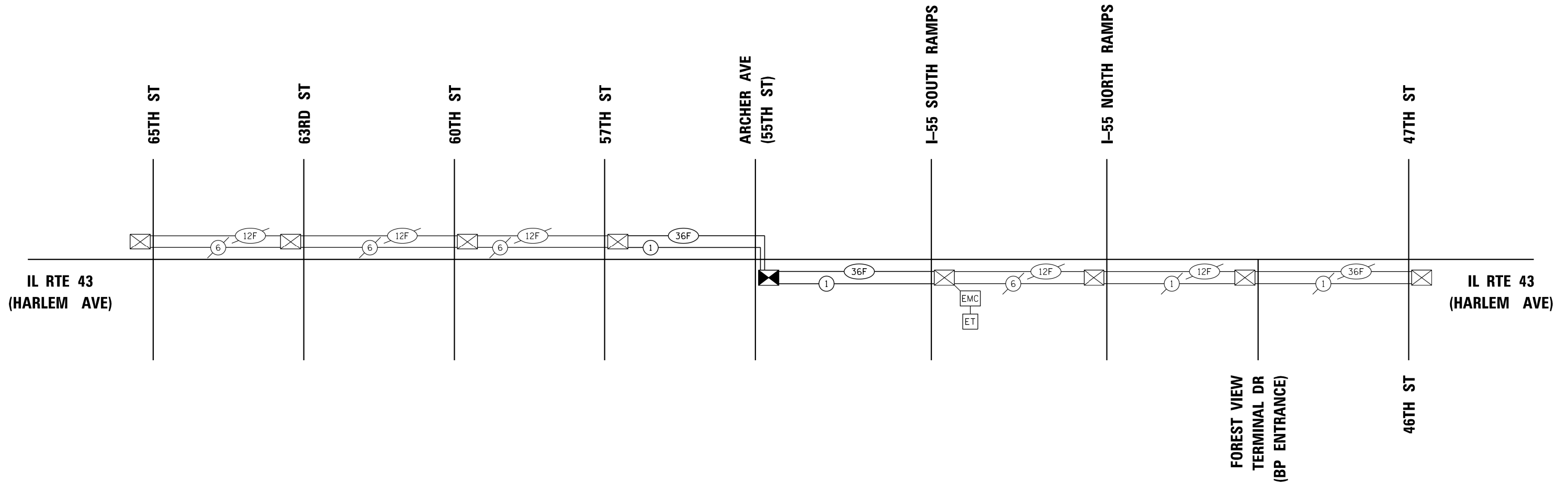
USER NAME = esolutz	DESIGNED - ECS	REVISED -
	DRAWN - ECS	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - PAW	REVISED -
PLOT DATE = 3/4/2020	DATE - 12/19/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT PLAN (SHEET 2 OF 2)
 IL RTE 43 (HARLEM AVE) - 57TH STREET TO I-55 SOUTH RAMPS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	41
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	515
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3841
DRILL EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5782
ROD AND CLEAN EXISTING CONDUIT	FOOT	2873
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM 24F	FOOT	3893

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

TS SHT NO. 13

ECON 55

Sam Schwartz 223 W. JACKSON SUITE 1101 CHICAGO, IL 60606 TEL: (773) 305-0800	USER NAME = esolutz	DESIGNED - ECS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES IL RTE 42 (HARLEM AVE) - 57TH STREET TO I-55 SOUTH RAMPS	F.A.P. RTE. = 348	SECTION = 2324.3-N	COUNTY = COOK	TOTAL SHEETS = 80	SHEET NO. = 42
	PLOT SCALE = 100.0000' / 1" =	CHECKED - PAW	REVISED -			SCALE: NTS	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62F90	
PLOT DATE = 3/4/2020	DATE = 12/19/2019	REVISED -		ILLINOIS FED. AID PROJECT						

TRAFFIC SIGNAL LEGEND

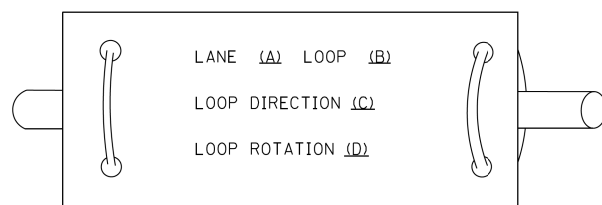
(NOT TO SCALE)

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

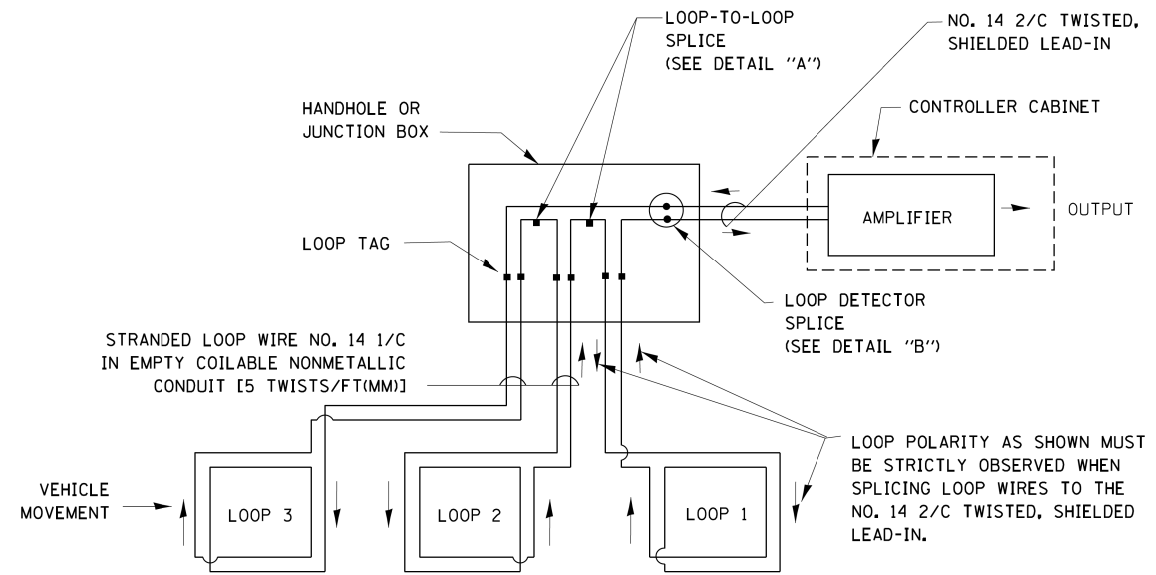
LOOP DETECTOR NOTES

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

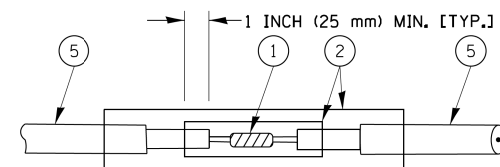


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

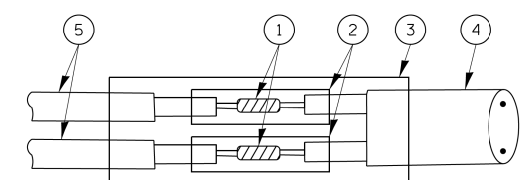


DETECTOR LOOP WIRING SCHEMATIC

- 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.

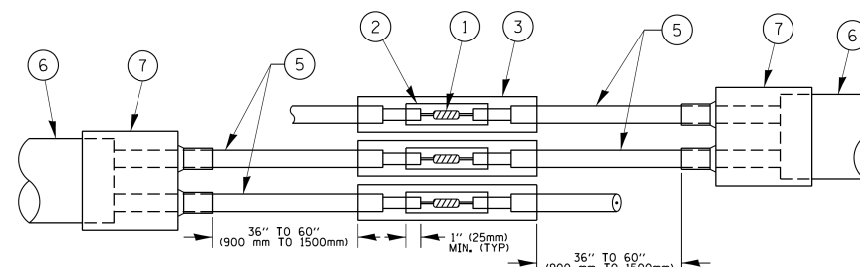


DETAIL "A"
LOOP-TO-LOOP SPLICE

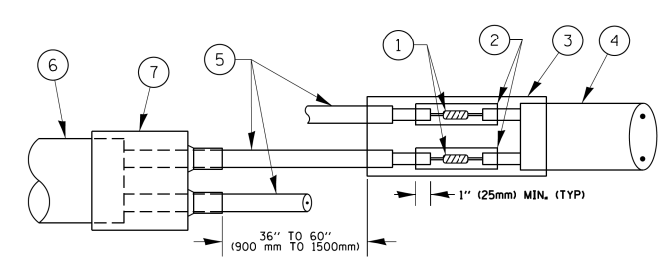


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

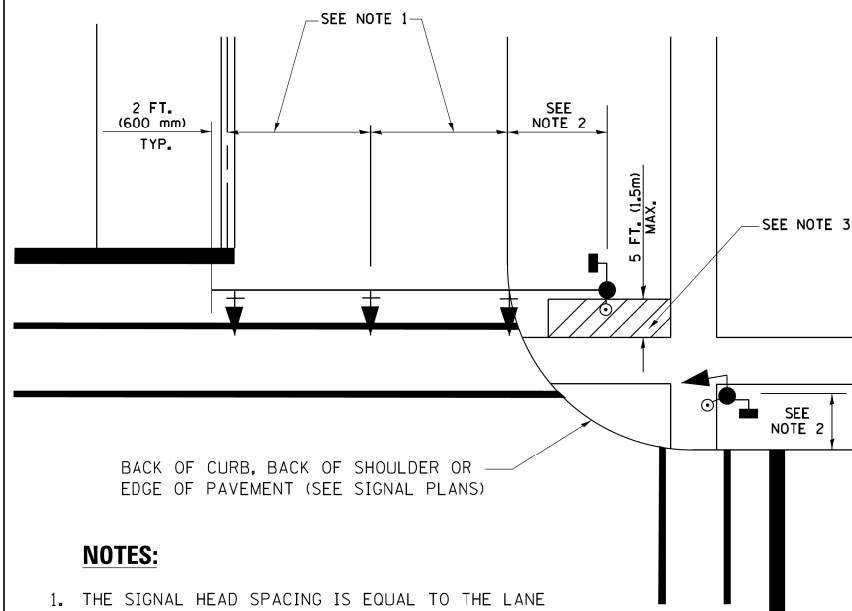
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	45
TS-05		CONTRACT NO. 62F90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

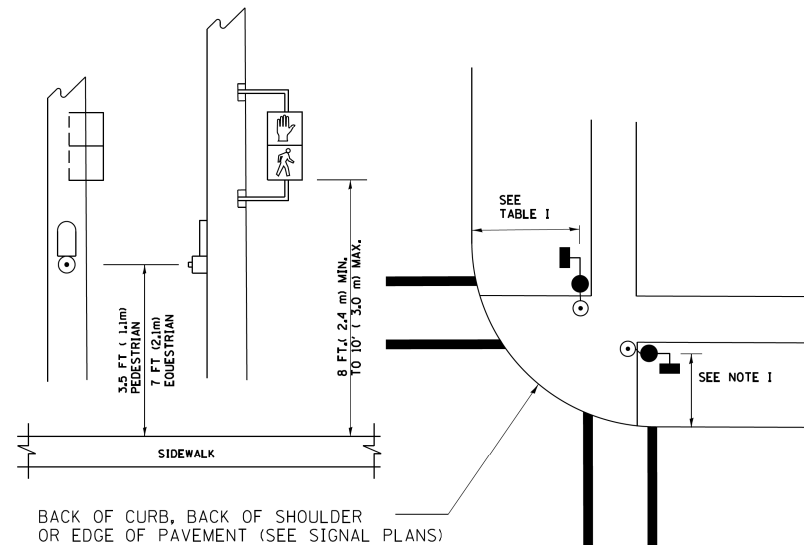
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

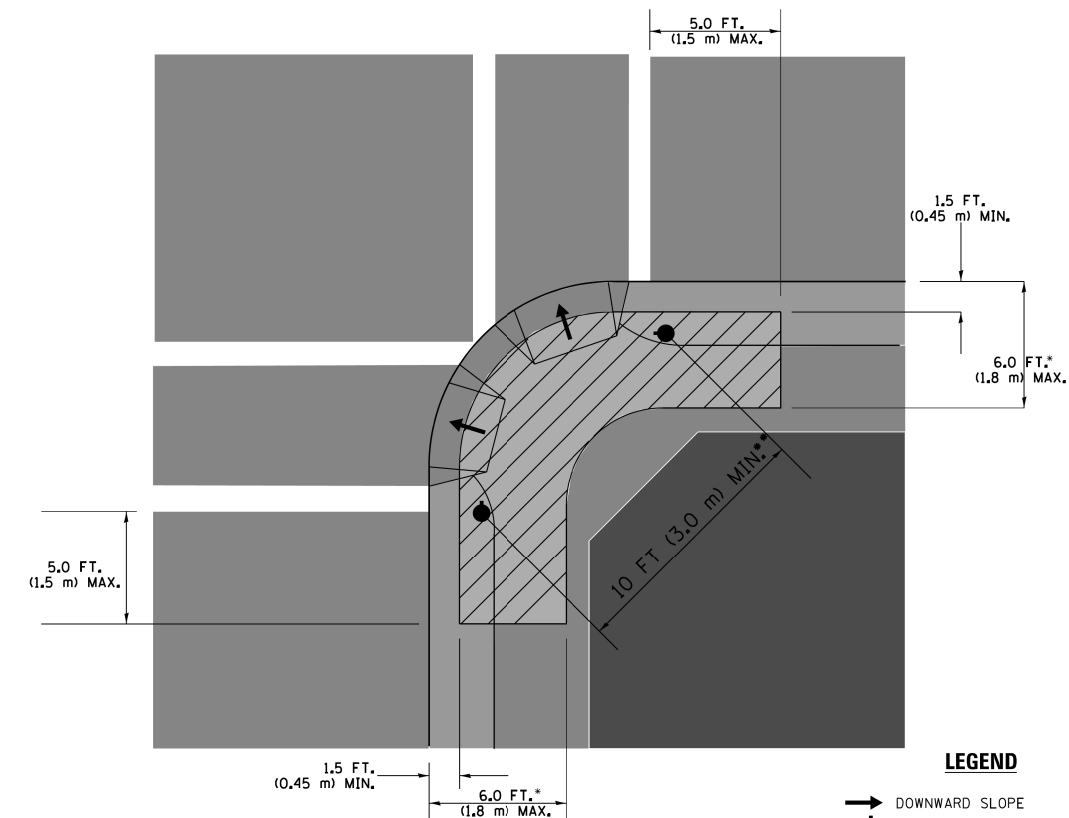
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

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

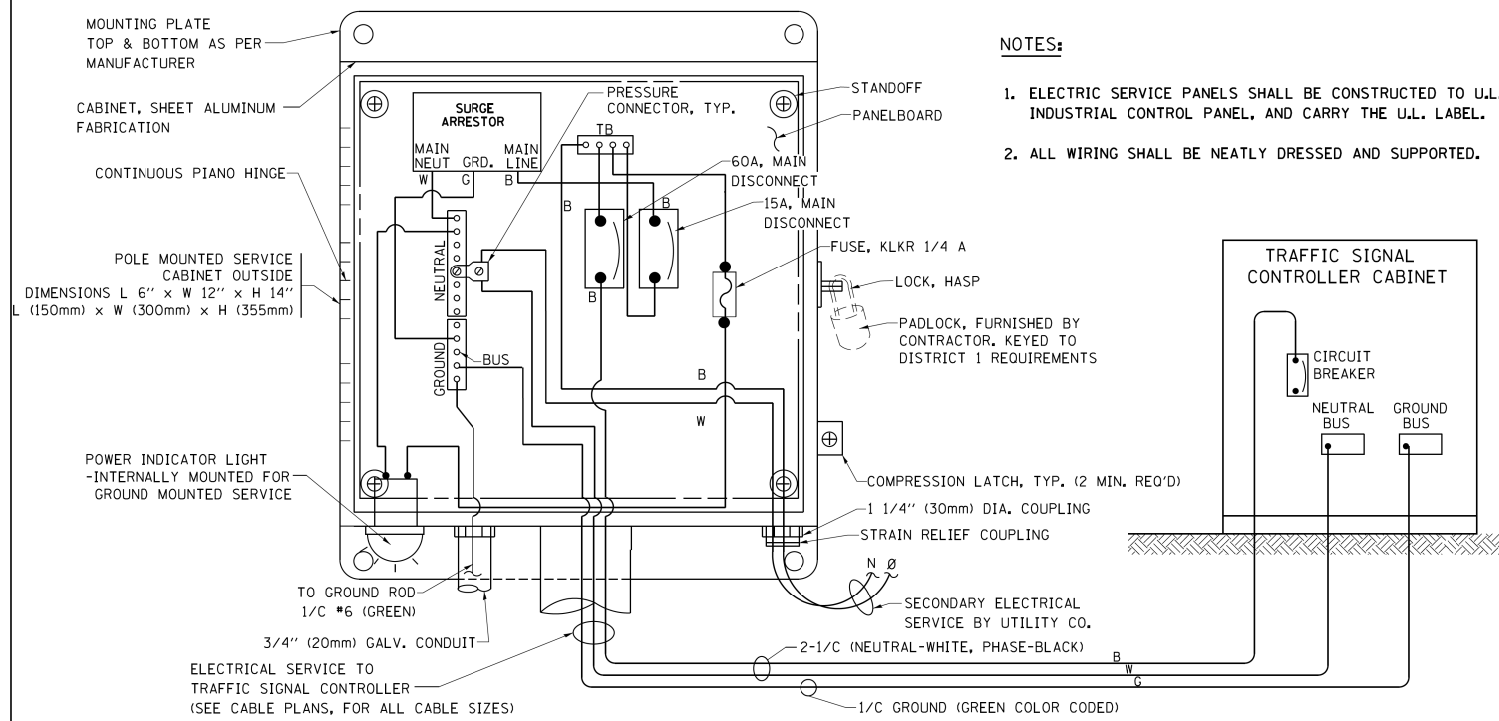
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

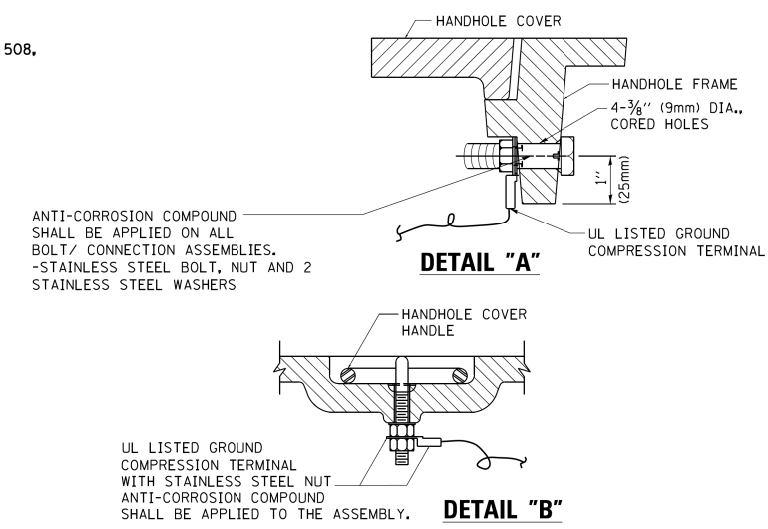
NOTES:

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -	TS-05			CONTRACT NO. 62F90				
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.			

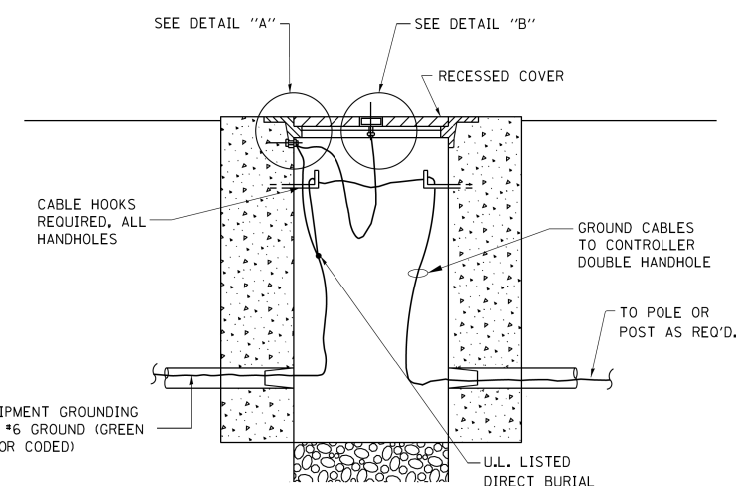


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

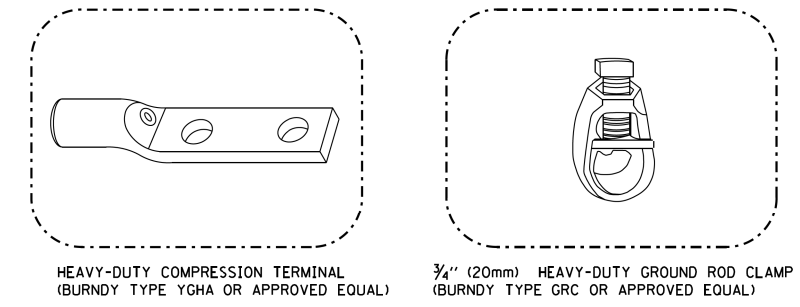


**NOTES:
GROUNDING SYSTEM**

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

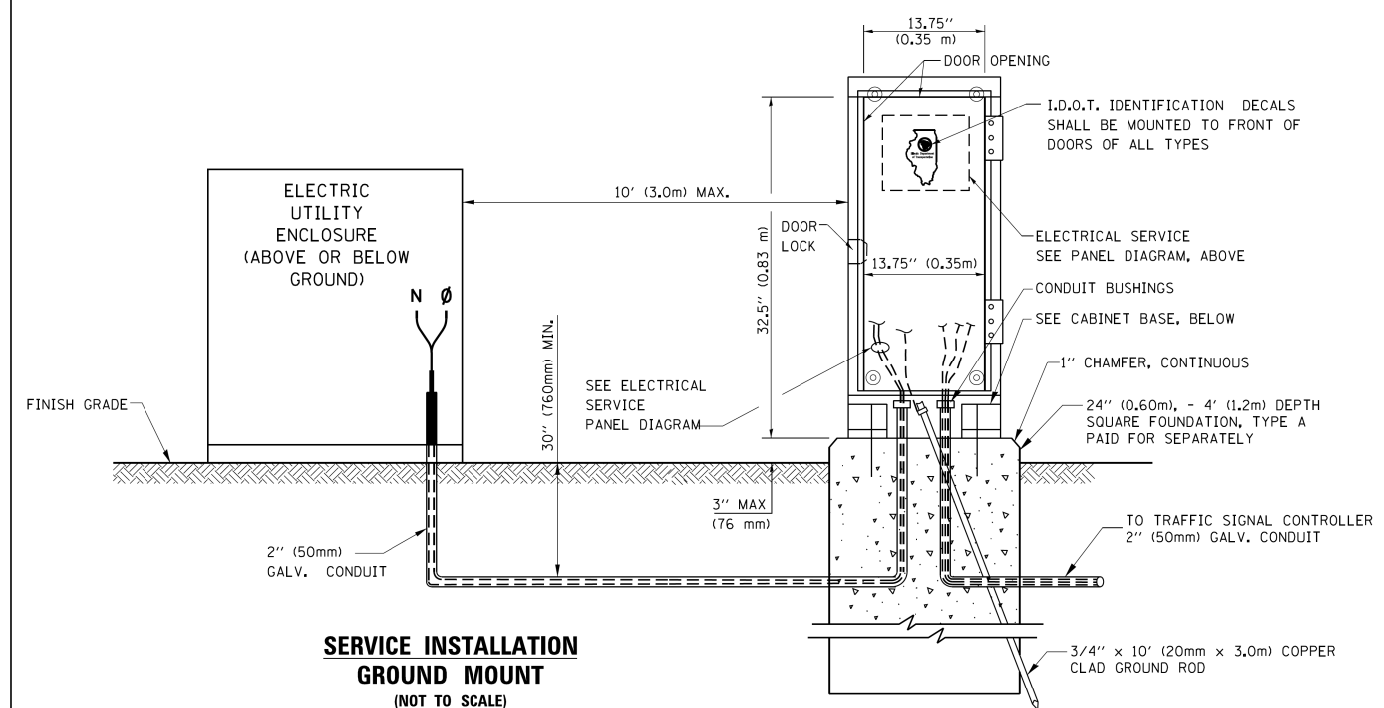


**HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)**

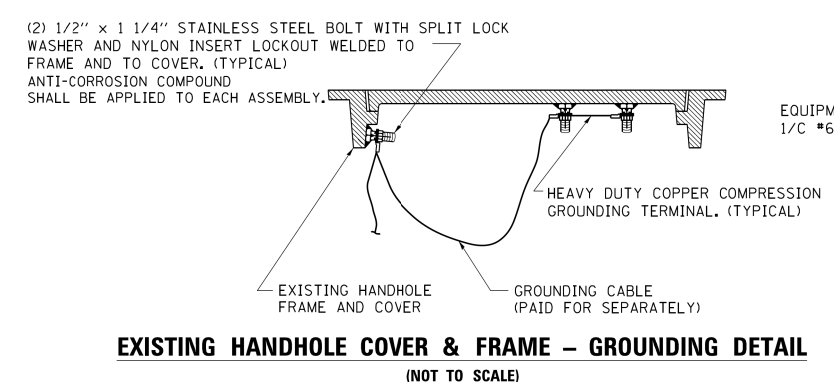


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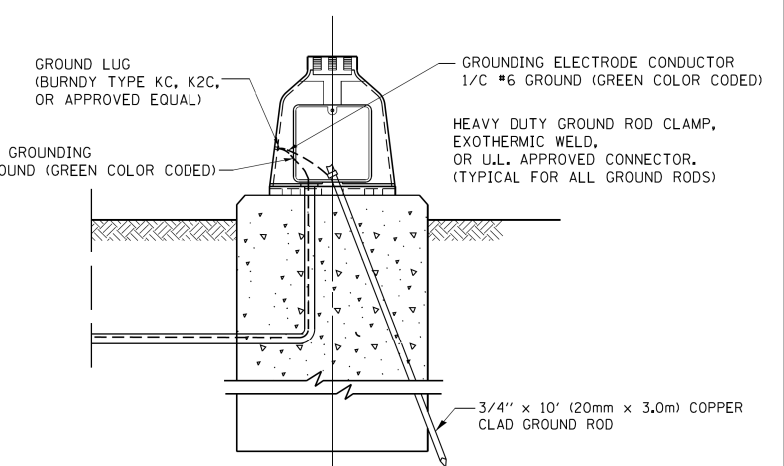
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)**

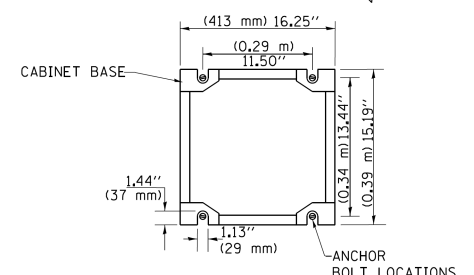


**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)**



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

**CABINET – BASE BOLT PATTERN
(NOT TO SCALE)**

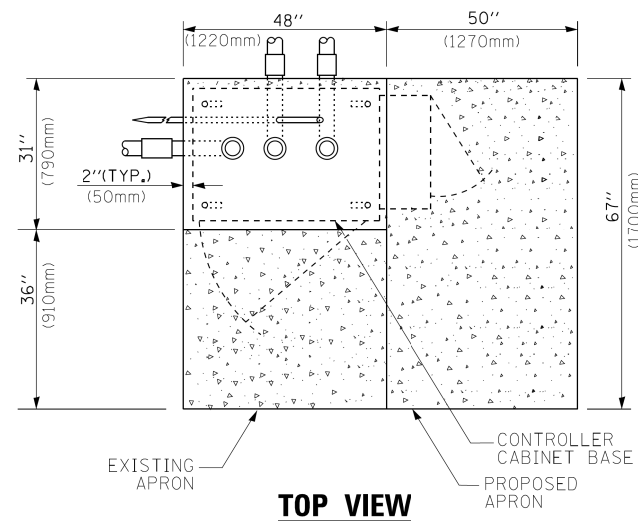


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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

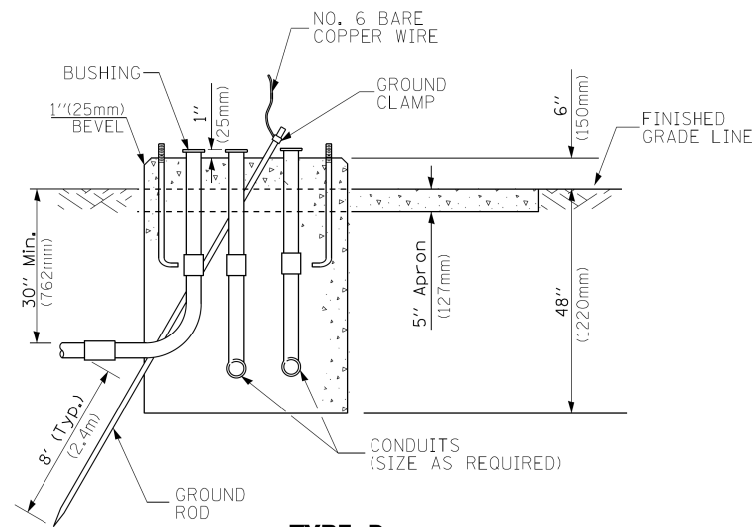
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

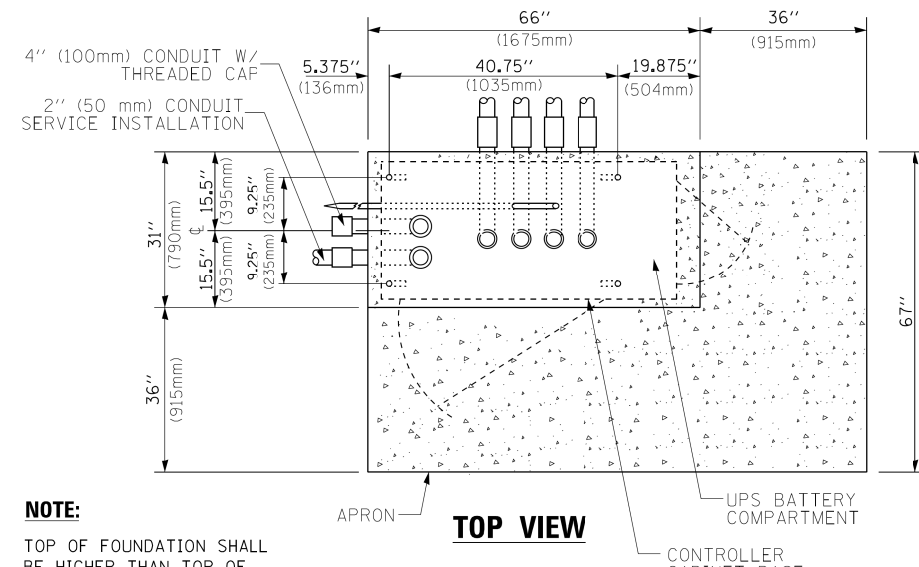
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	47
TS-05		CONTRACT NO. 62F90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW



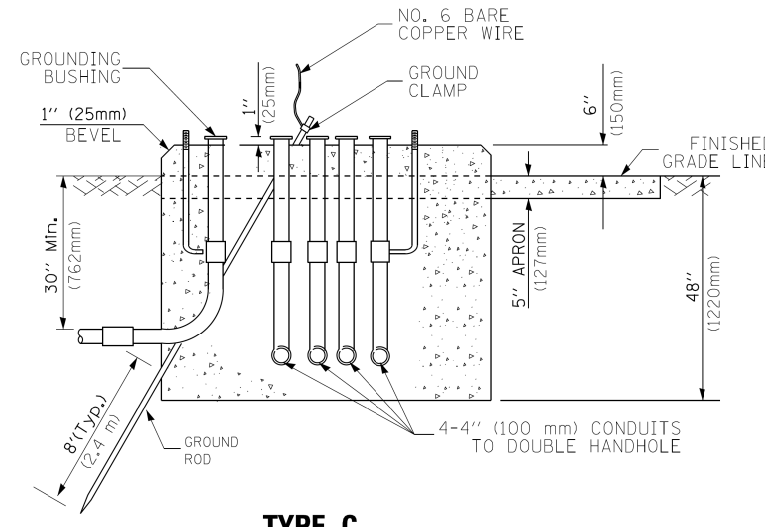
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



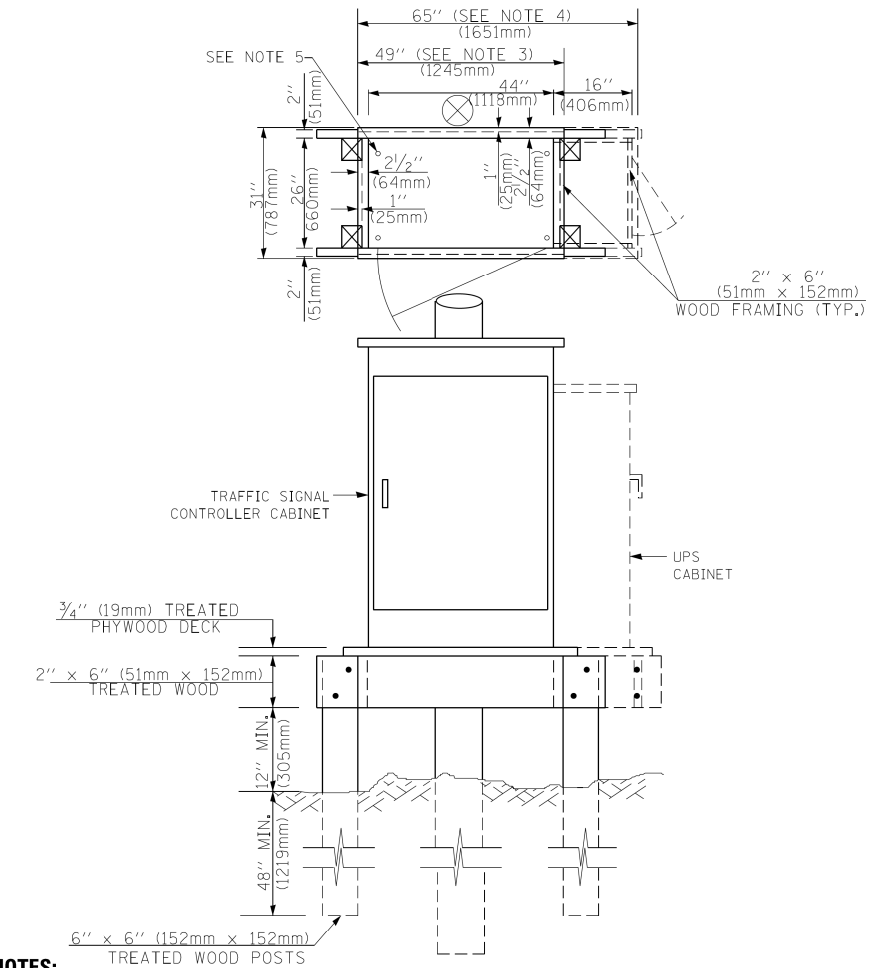
TOP VIEW

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)

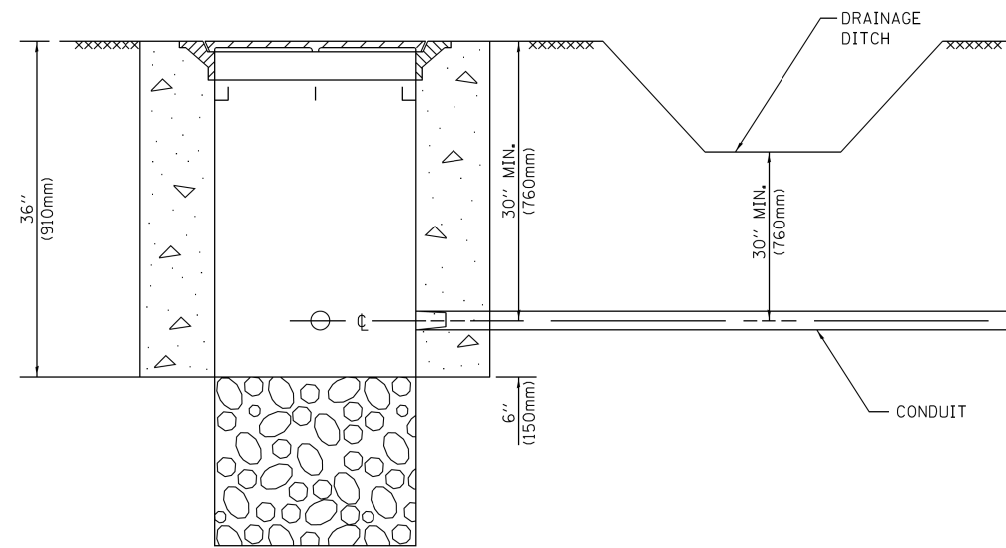
DEPTH OF FOUNDATION

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)	24" (600mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 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 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

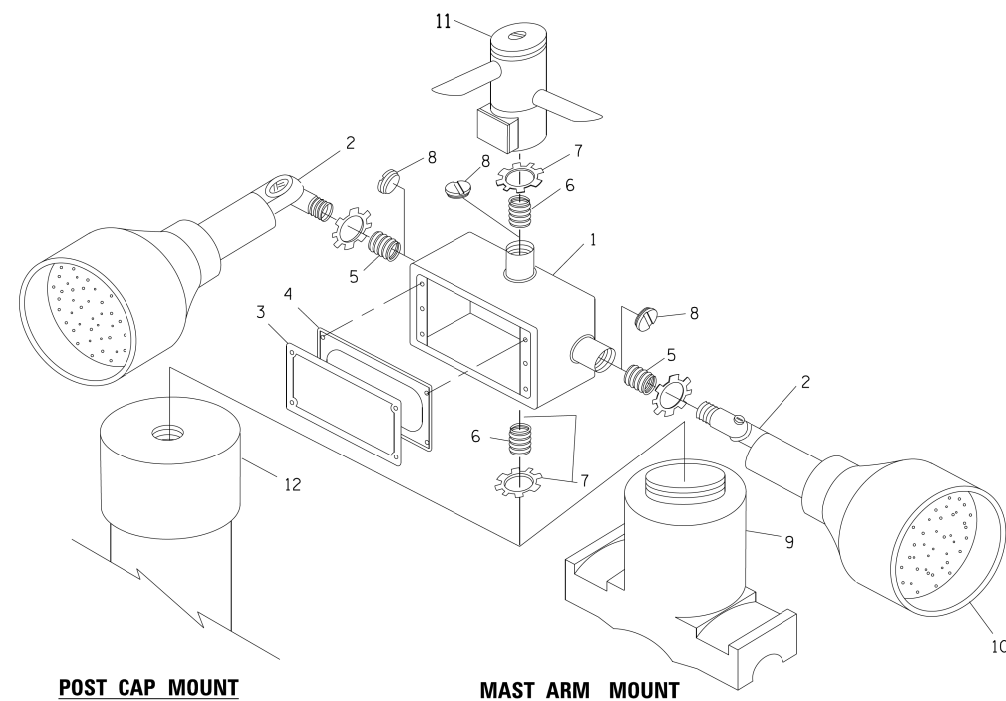
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



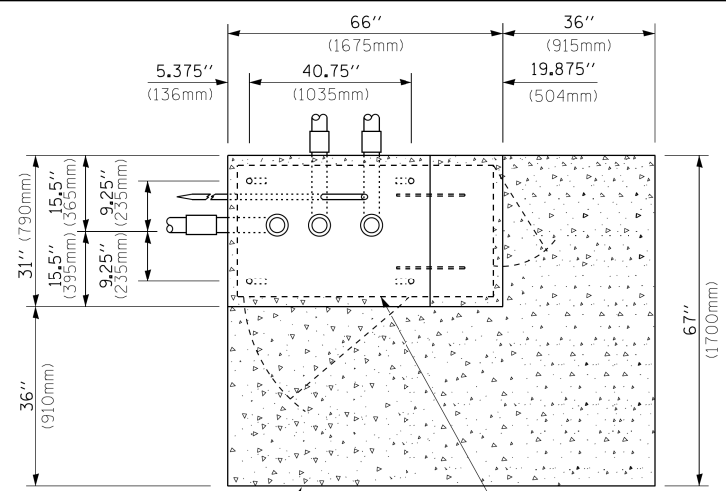
NOTES:

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.

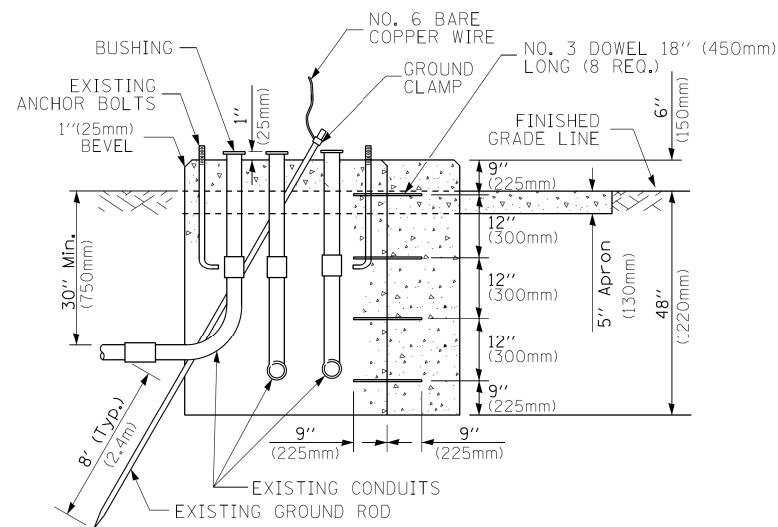
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

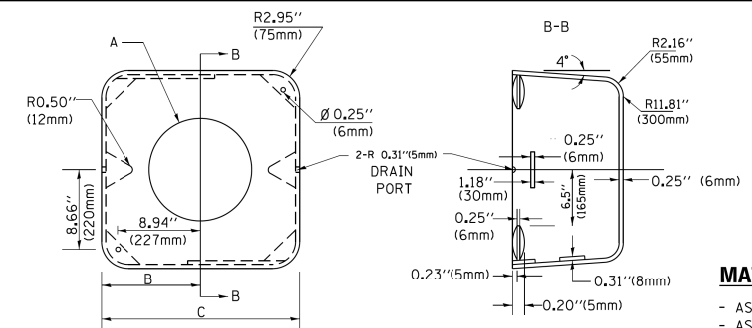


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



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

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

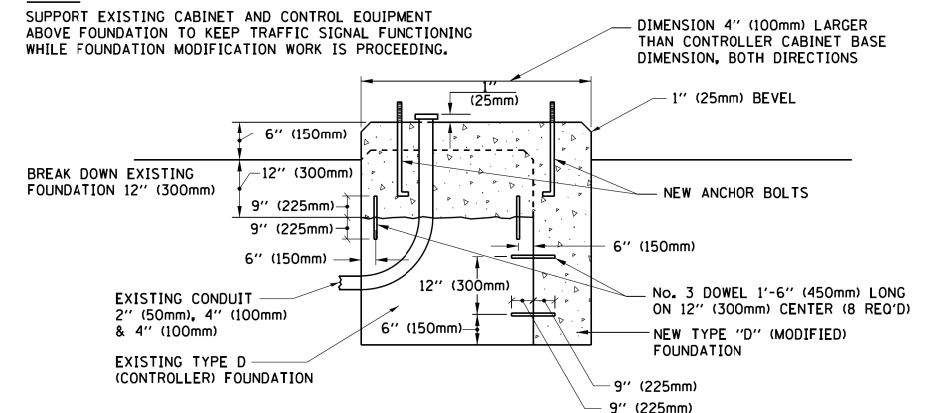
SHROUD

NOTES:

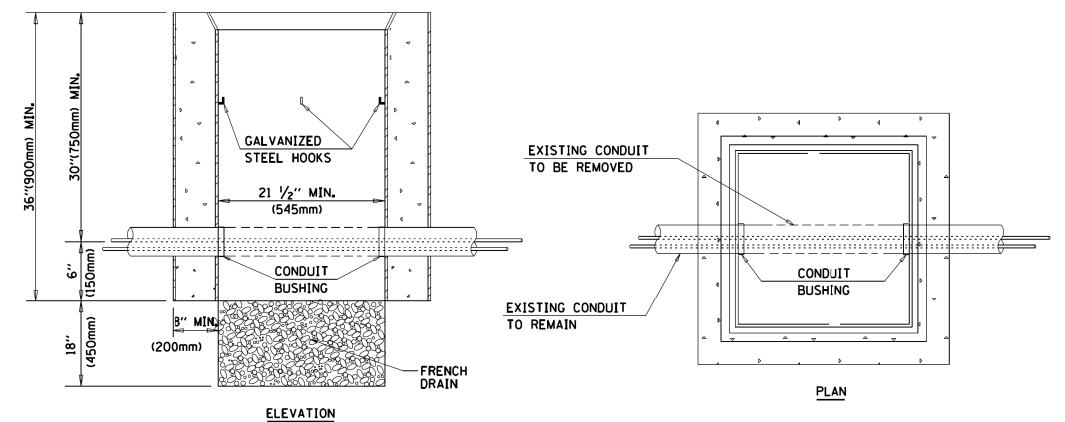
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

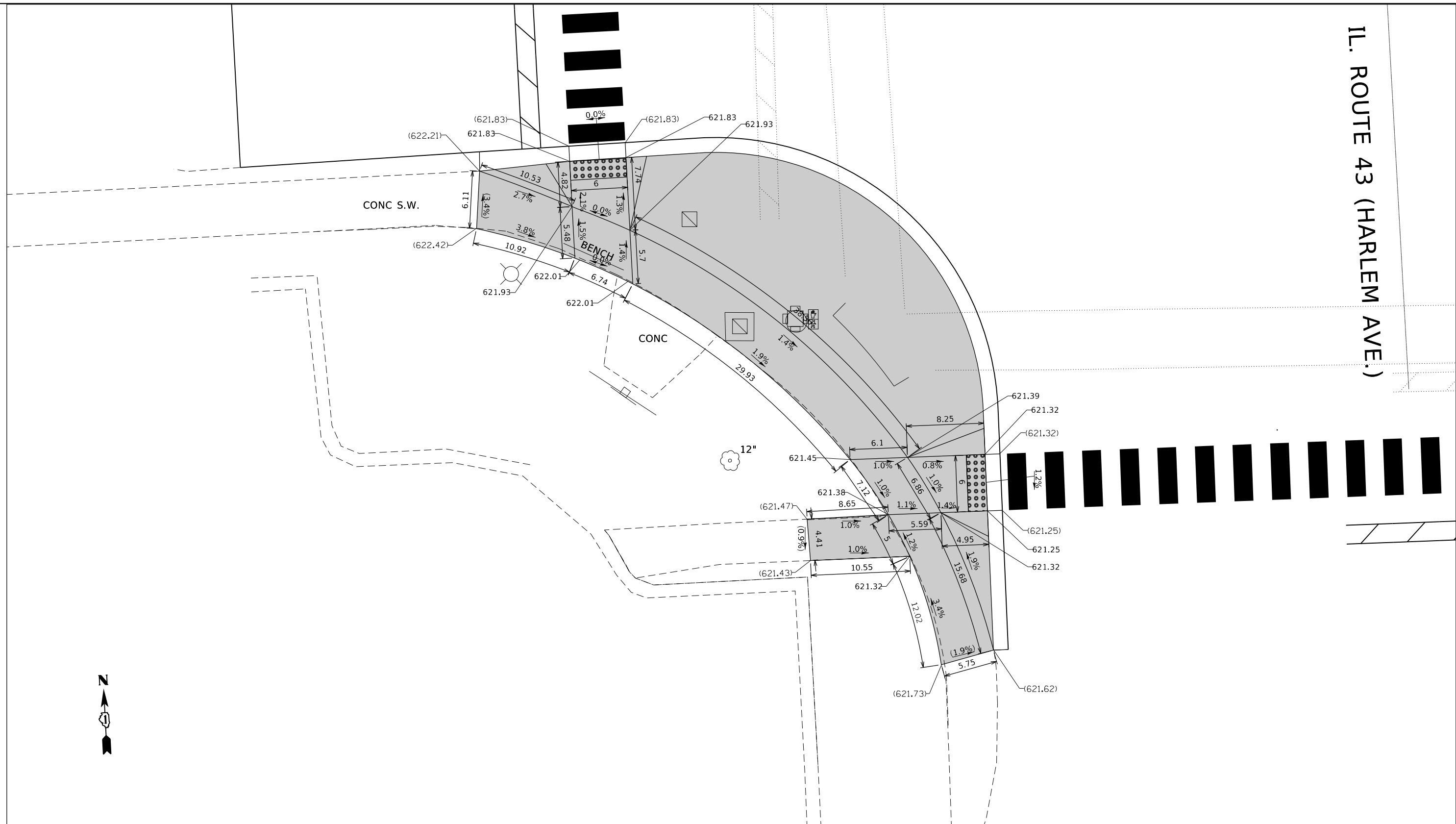
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	49
TS-05		CONTRACT NO. 62F90		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 622.89
 BENCHMARK : CONCRETE BASE OF TRAFFIC SIGNAL AT NE CORNER
 LOCATION : SIDEWALK AT SW CORNER

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 622.89
 BENCHMARK : CHISELED SQUARE IN WEST CONCRETE BASE OF TRAFFIC SIGNAL WITH
 ARM IN THE NE CORNER OF IL RTE. 43 AND ARCHER AVE.
 LOCATION : "X" IN SIDEWALK IN THE SW CORNER OF IL RTE. 43 AND ARCHER AVE.

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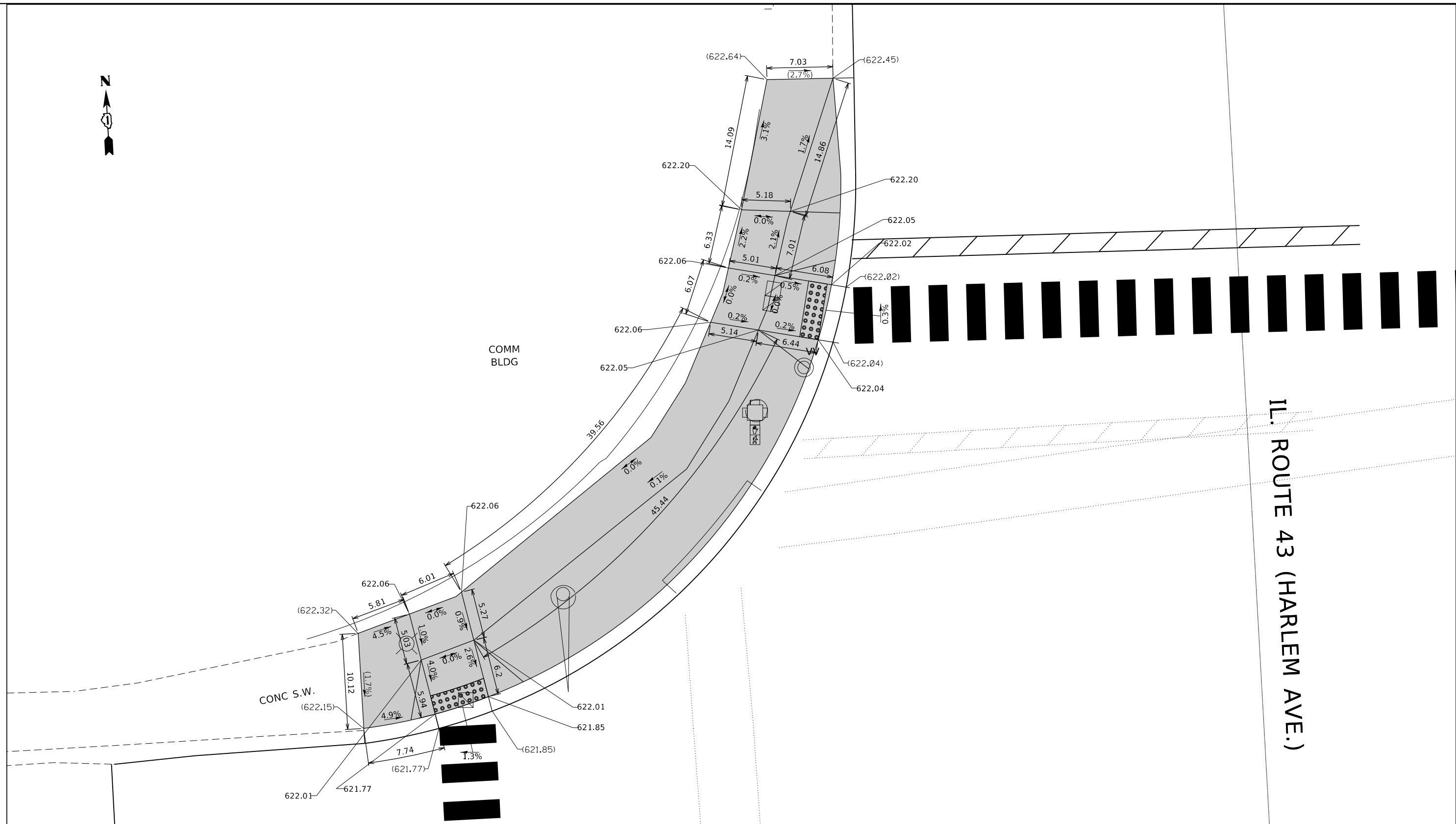
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE - SW CORNER
ADA CURB RAMP DETAILS

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 50
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



REFERENCE BENCHMARK ELEV 622.89
 BENCHMARK : CONCRETE BASE OF TRAFFIC SIGNAL AT NE CORNER
 LOCATION : SIDEWALK AT NE CORNER

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
==	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 622.89
 BENCHMARK : CHISELED SQUARE IN WEST CONCRETE BASE OF TRAFFIC SIGNAL WITH
 ARM IN THE NE CORNER OF IL RTE. 43 AND ARCHER AVE.
 LOCATION : "X" IN SIDEWALK IN THE NE CORNER OF IL RTE. 43 AND ARCHER AVE.

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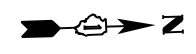
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

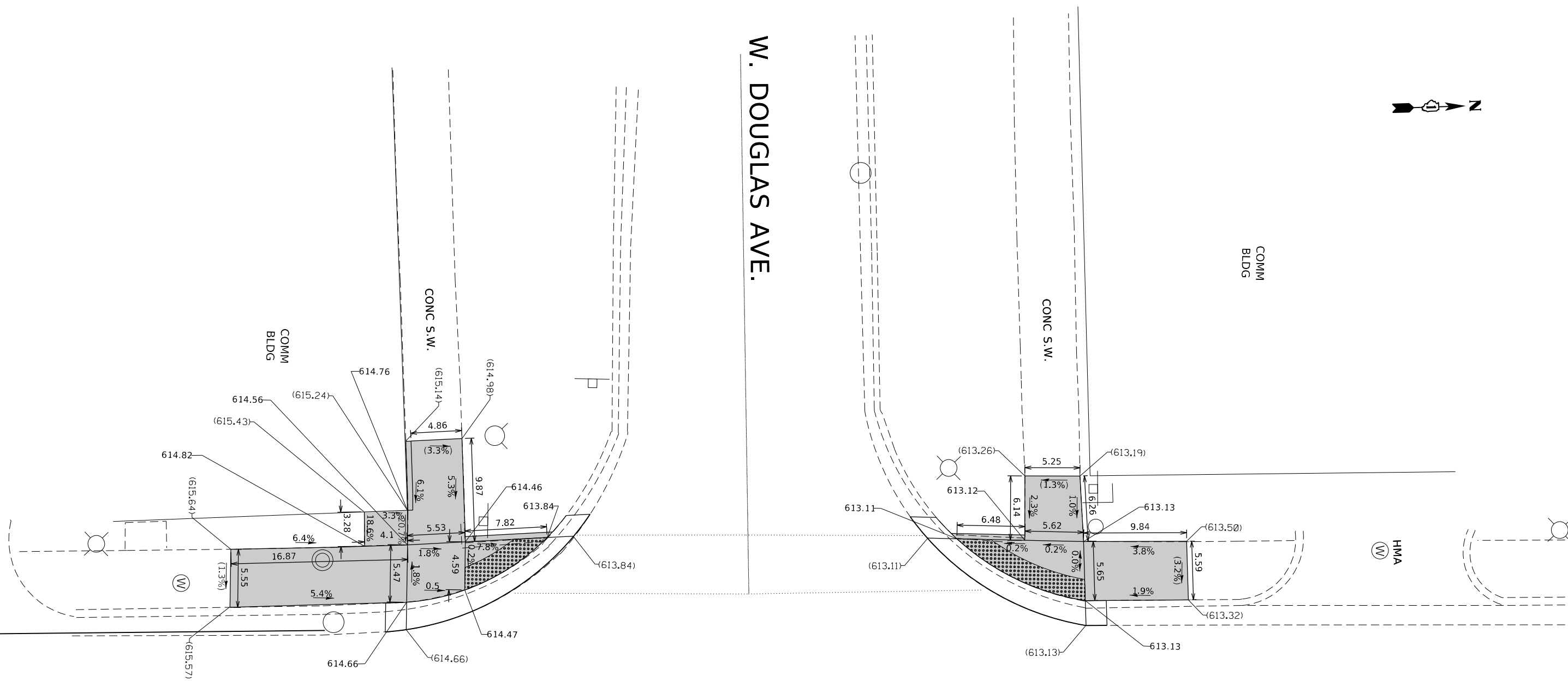
IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE. - NW CORNER
ADA CURB RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 52
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



W. DOUGLAS AVE.



REFERENCE BENCHMARK ELEV 615.21
 BENCHMARK : WEST BOLT IN FIRE HYDRANT AT SW CORNER
 LOCATION : SIDEWALK ON NW CORNER

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 615.21
 BENCHMARK : WEST BOLT OF FIRE HYDRANT IN THE SW CORNER OF IL RTE. 43 AND W. DOUGLAS AVE.
 LOCATION : "X" CUT IN SIDEWALK AT NW CORNER OF IL RTE. 43 AND W. DOUGLAS AVE.

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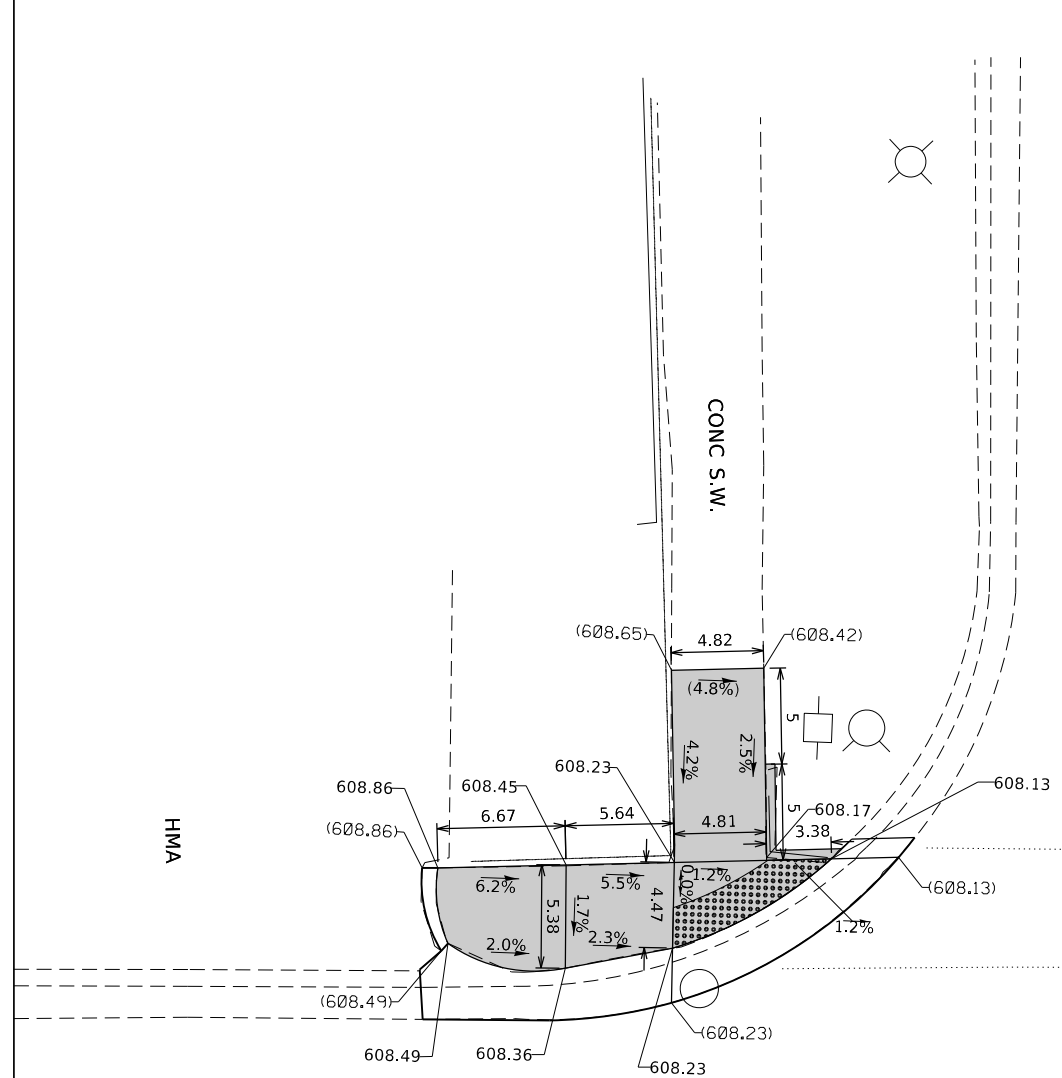
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL RTE. 43 (HARLEM AVE.) AT W. DOUGLAS AVE.			
ADA CURB RAMP DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

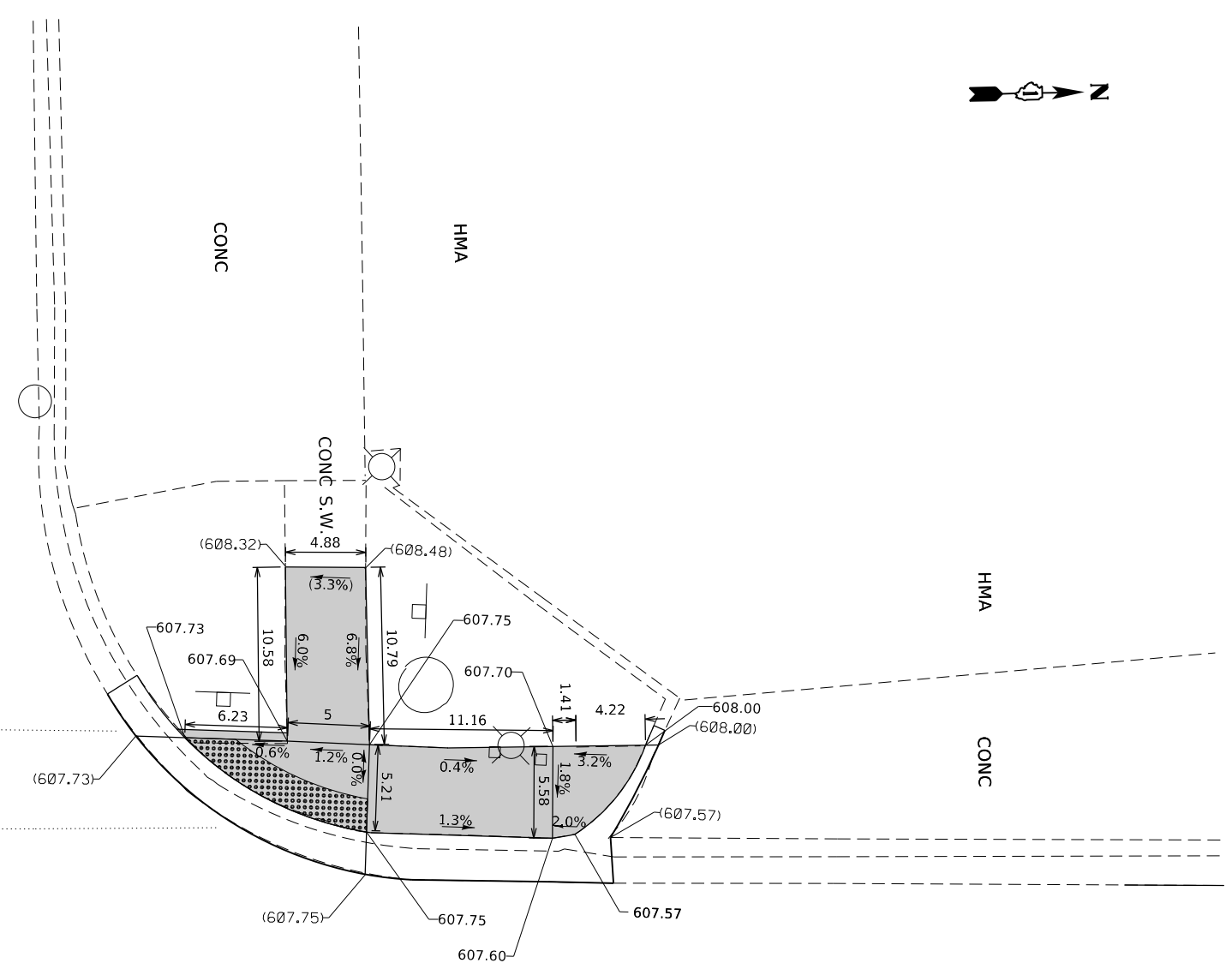
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CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				

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W. HANOVER ST.



REFERENCE BENCHMARK ELEV 611.09
 BENCHMARK : W. BOLT OF FIRE HYDRANT IN NE CORNER
 LOCATION : SIDEWALK IN NW CORNER

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 611.09
 BENCHMARK : "X" IN WEST BOLT OF FIRE HYDRANT IN NE CORNER OF
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 LOCATION : "X" IN SIDEWALK IN THE NW CORNER OF IL RTE. 43 AND W. HANOVER ST.

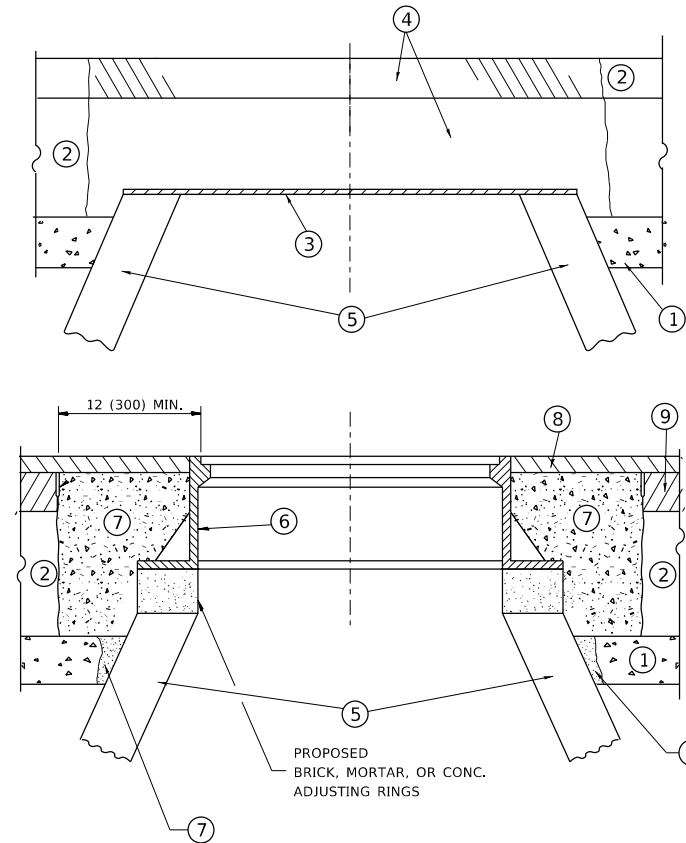
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE. 43 (HARLEM AVE.) AT W. HANOVER ST.
ADA CURB RAMP DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 56
CONTRACT NO. 62F90				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR *FRAMES AND LIDS TO BE ADJUSTED (SPECIAL).*

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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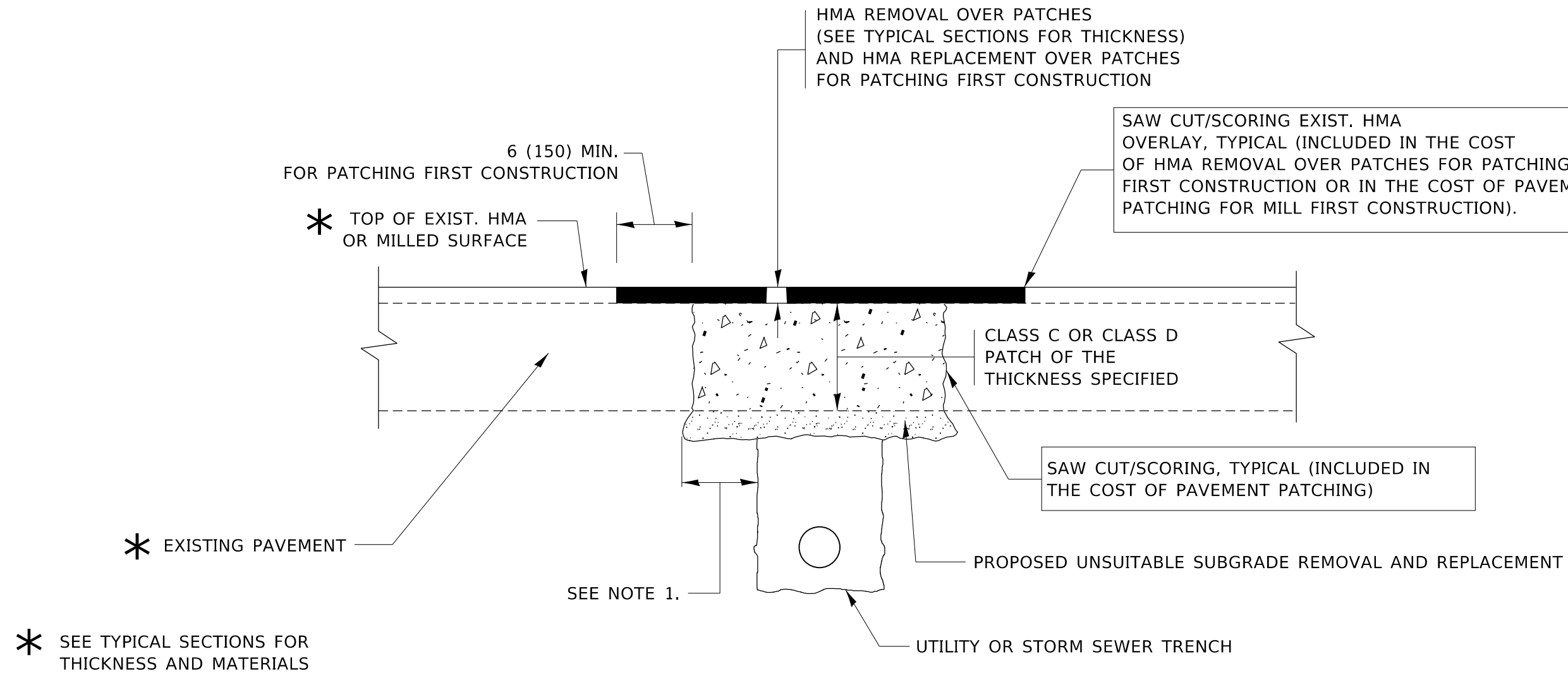
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	DRAWN -	REVISED - R. BORO 01-01-07
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PLOT DATE = 3/24/2020	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	57
BD600-03 (BD-8)		CONTRACT NO. 62F90		
ILLINOIS		FED. AID PROJECT		



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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PLOT DATE = 3/24/2020	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	58
BD400-04 (BD-22)			CONTRACT NO. 62F90	
ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE 2)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE 2)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

¼" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE 1).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED ¾" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

NOTE:

- SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED.
- CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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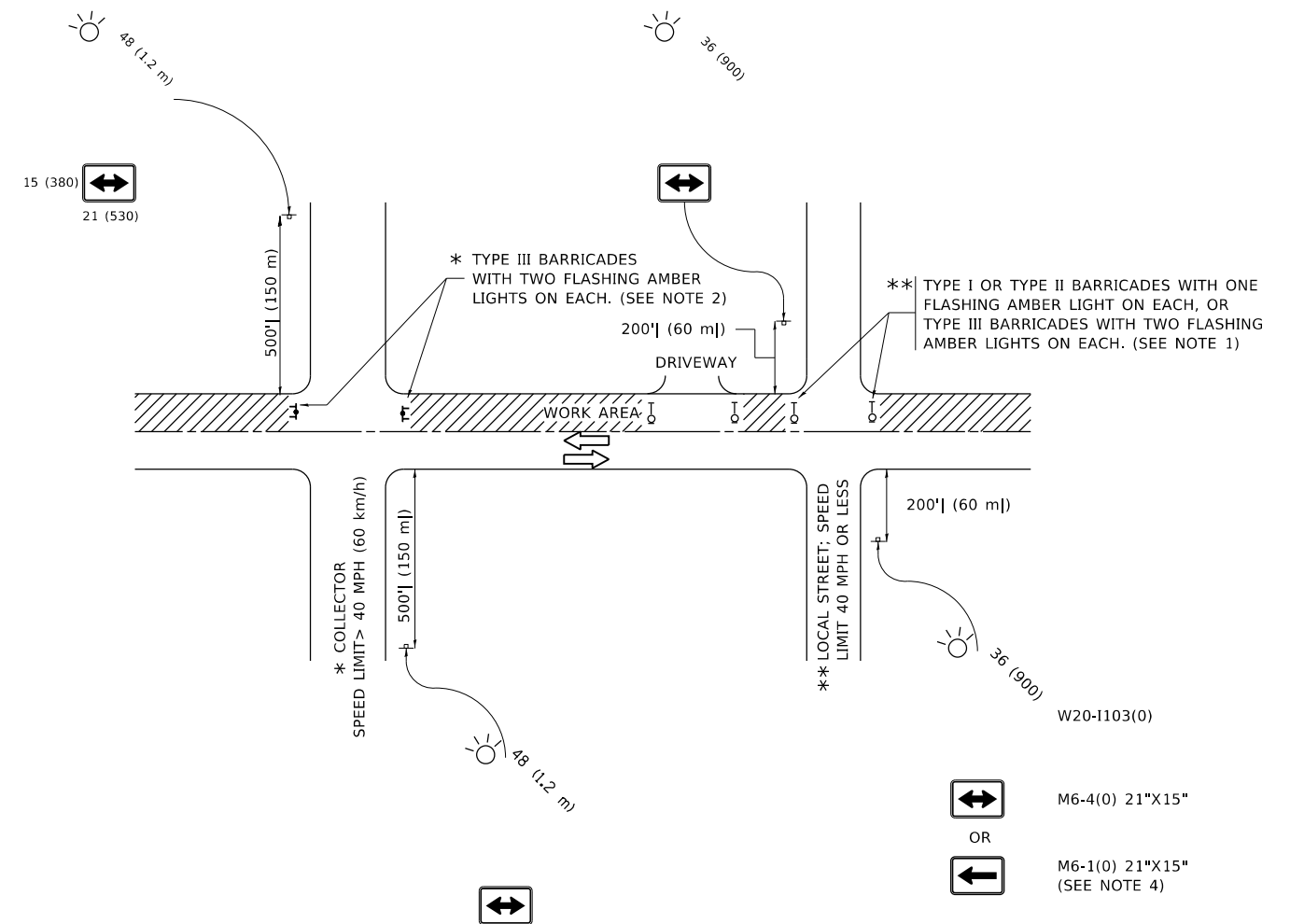
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PLOT DATE = 3/24/2020	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	59
BD600-06 (BD-24)			CONTRACT NO. 62F90	
ILLINOIS FED. AID PROJECT				



NOTES:

1. 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:
 - a) 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.
 - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) 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.
3. 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.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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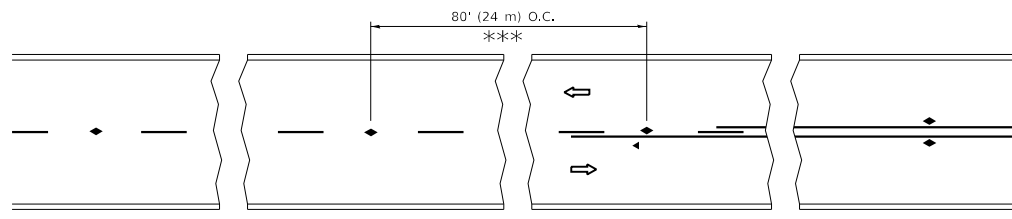
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/24/2020	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

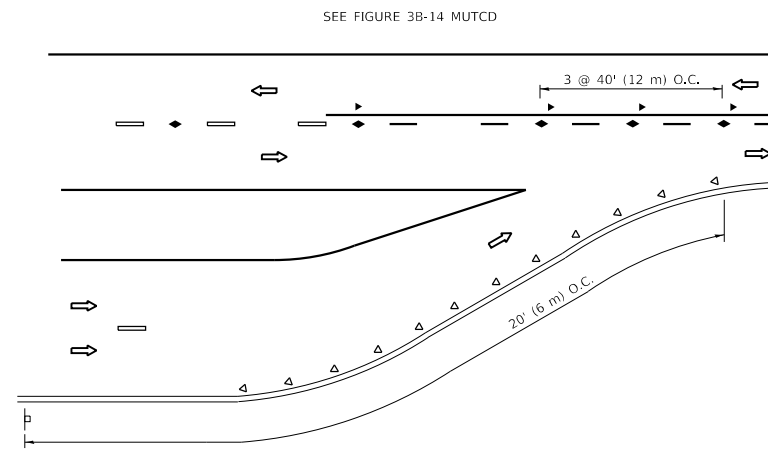
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62F90	
ILLINOIS FED. AID PROJECT				

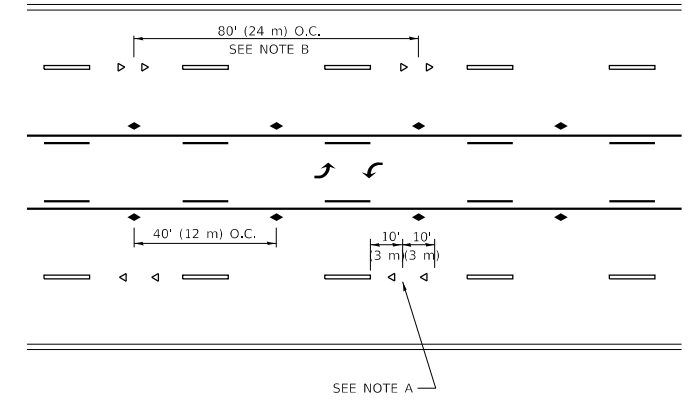


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

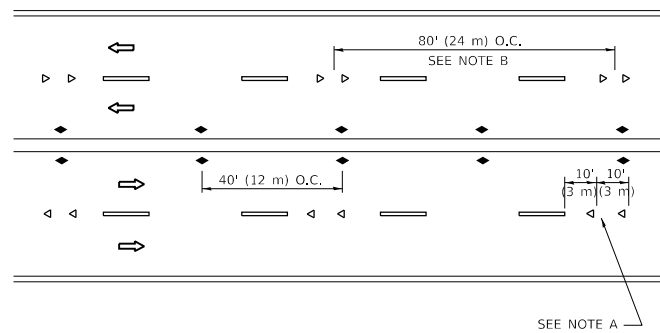
TWO-LANE/TWO-WAY



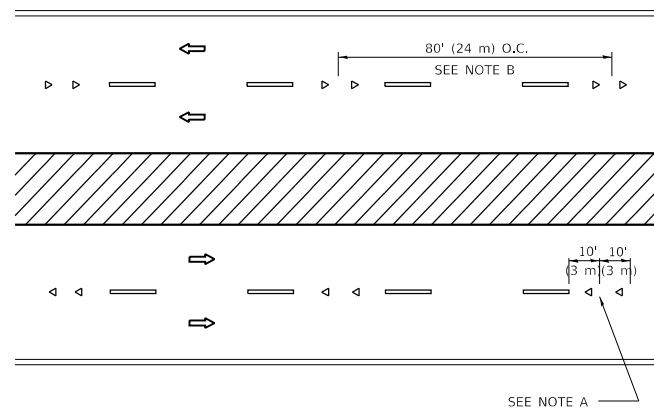
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

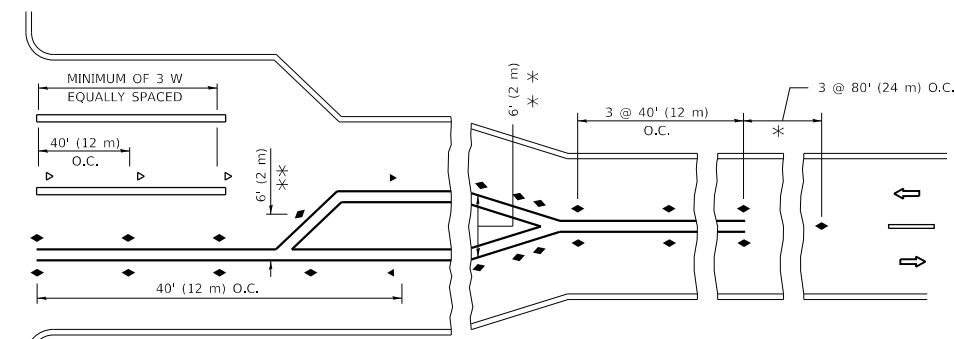
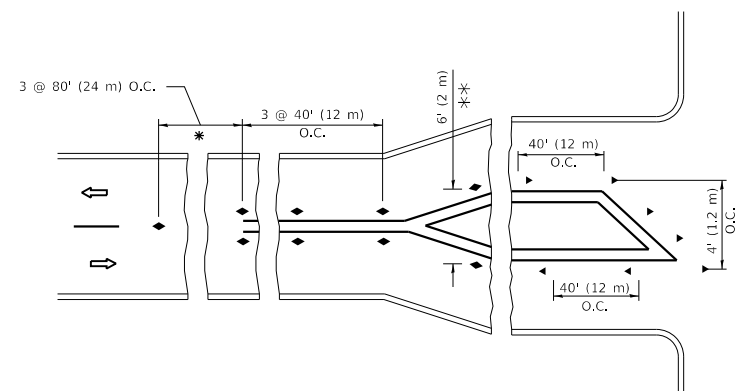
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

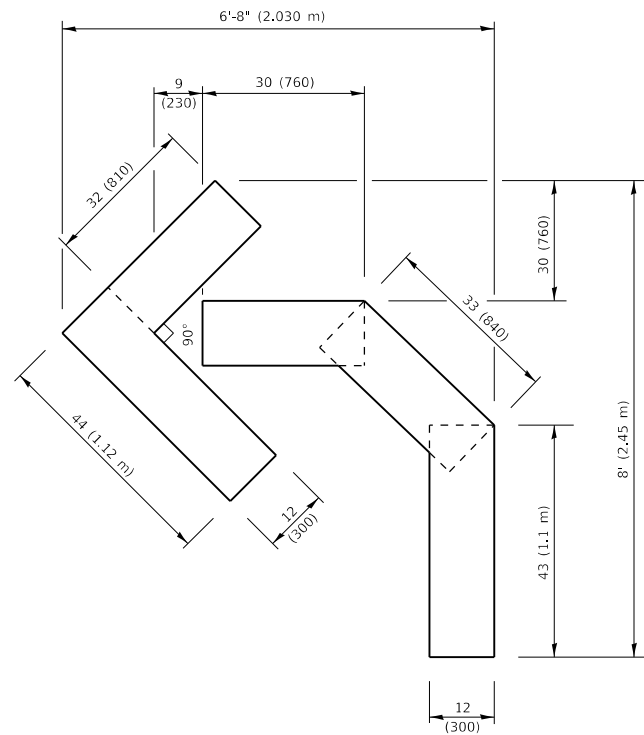
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/24/2020	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

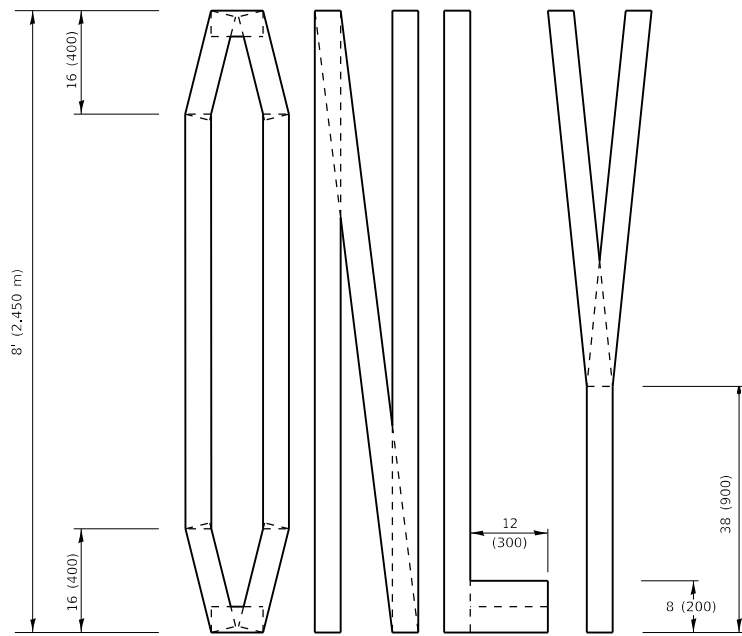
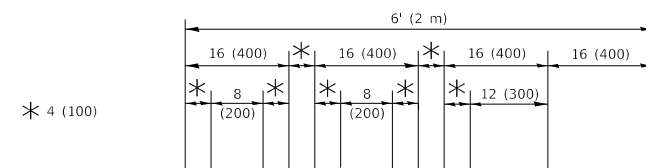
TYPICAL APPLICATIONS	
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
SCALE: NONE	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	62
TC-11			CONTRACT NO. 62F90	
ILLINOIS FED. AID PROJECT				



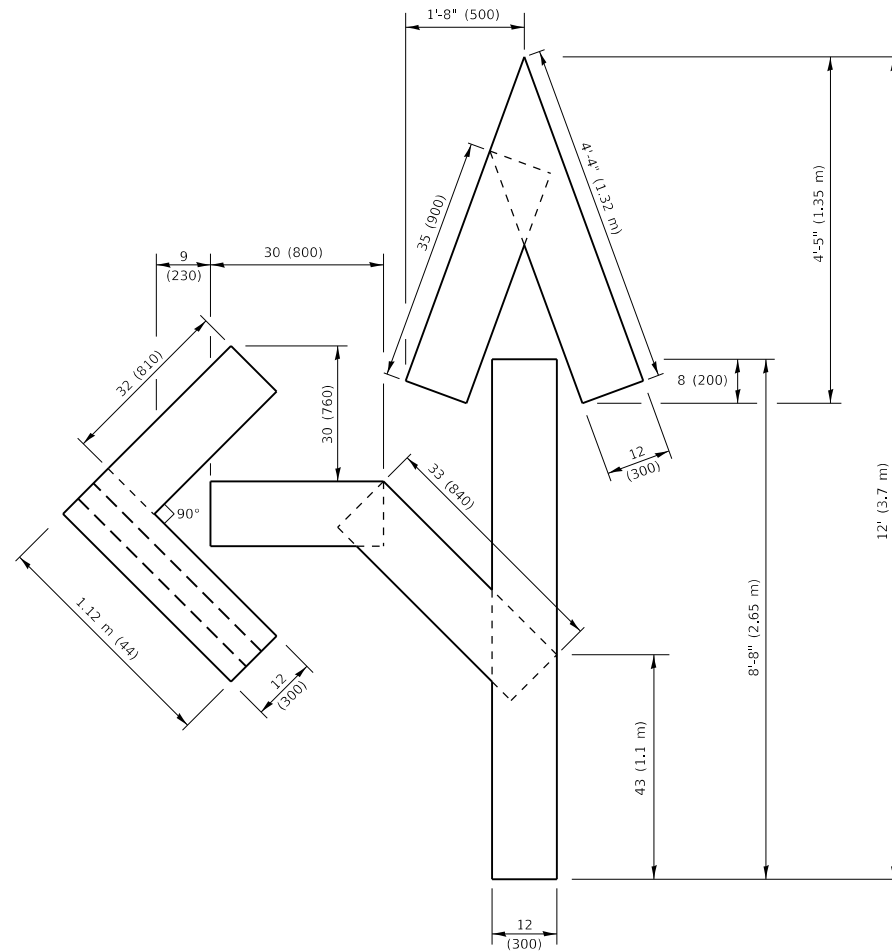
QUANTITY

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



QUANTITY

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

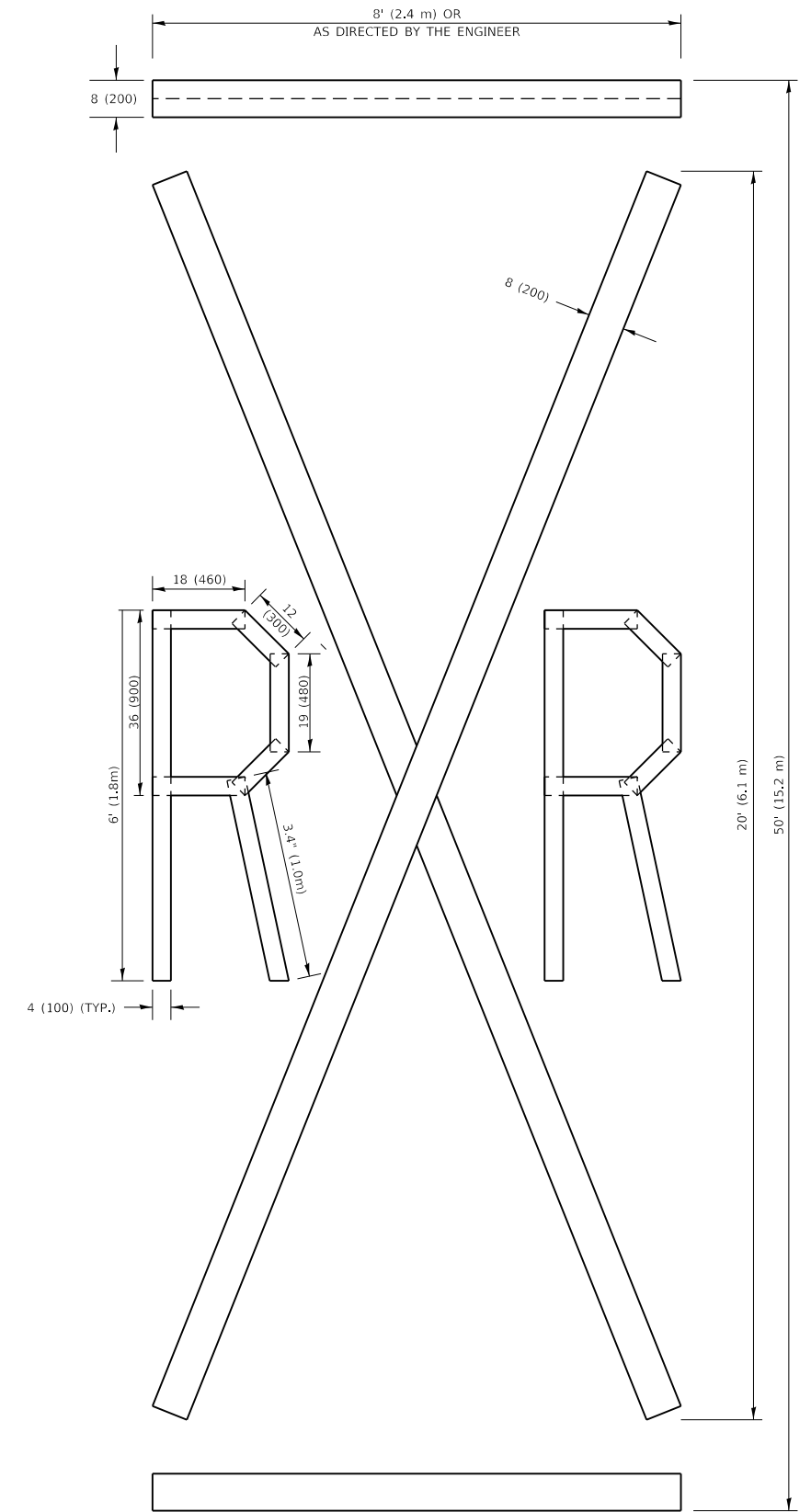


QUANTITY

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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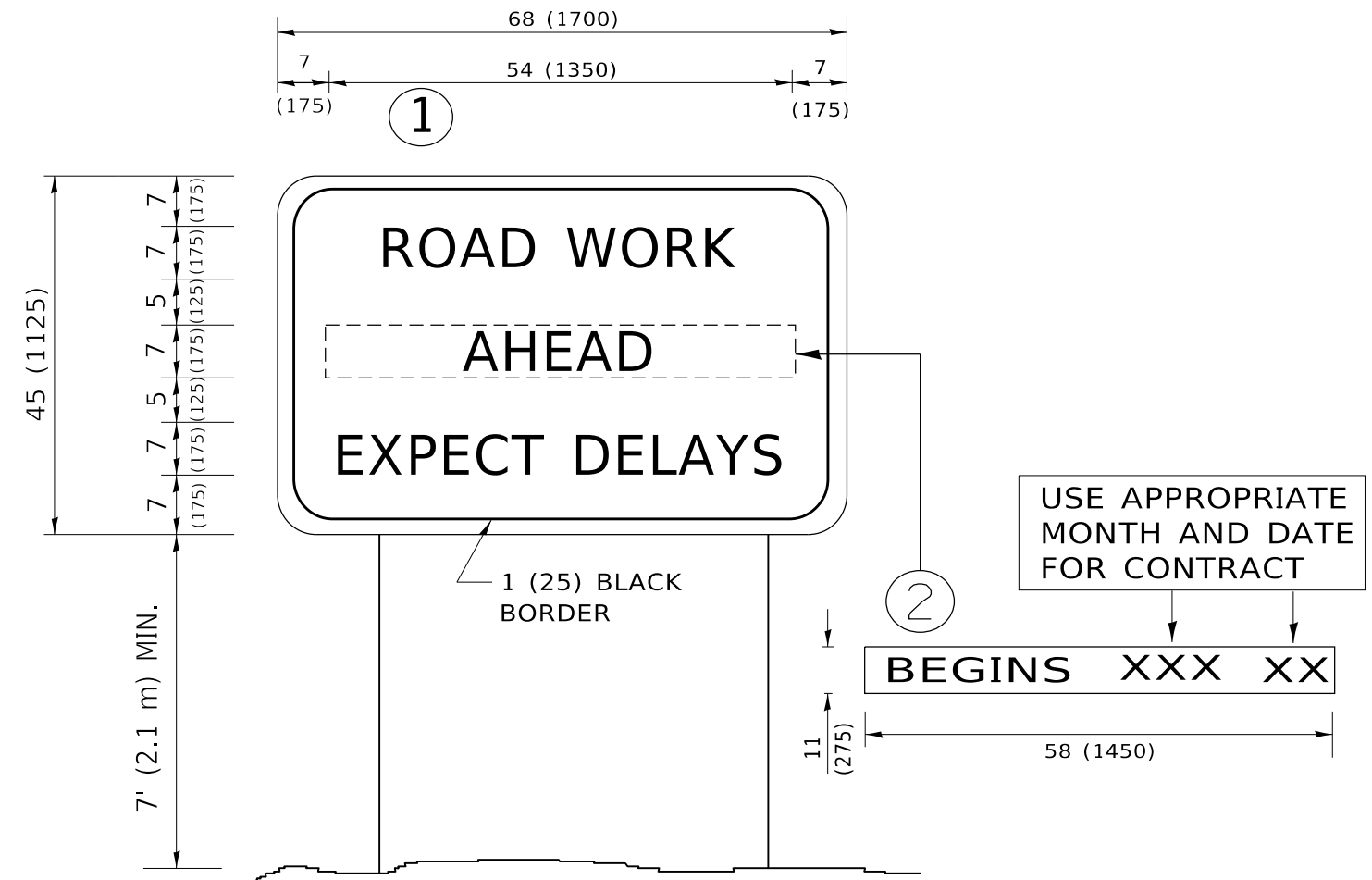
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PLOT DATE = 3/24/2020	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	65
TC-16		CONTRACT NO. 62F90		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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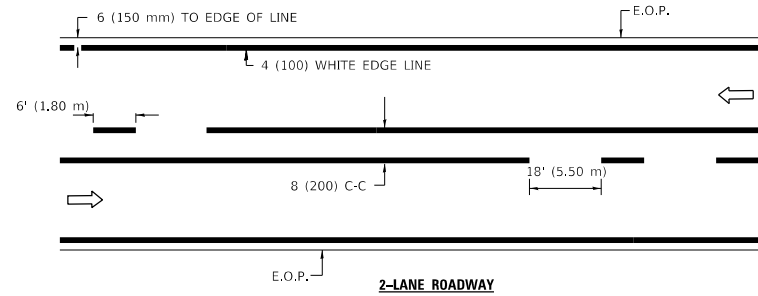
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

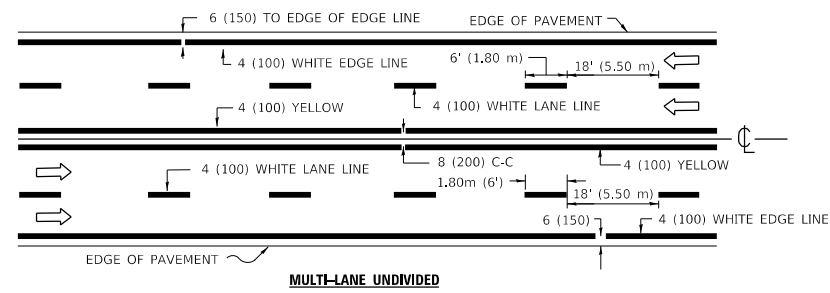
**ARTERIAL ROAD
INFORMATION SIGN**

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

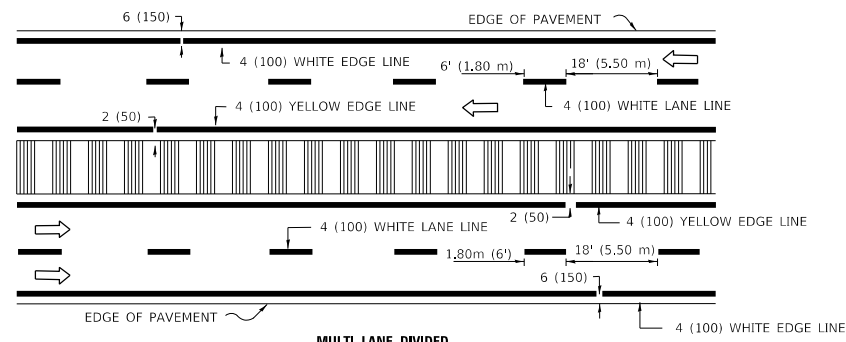
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TC-22			CONTRACT NO. 62F90	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



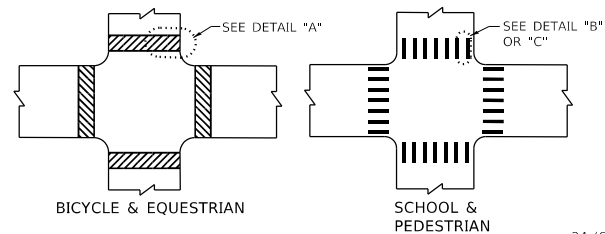
MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

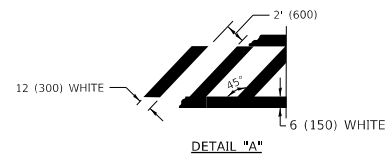
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

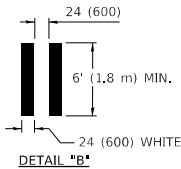


BICYCLE & EQUESTRIAN

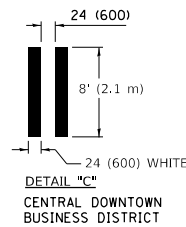
SCHOOL & PEDESTRIAN



DETAIL "A"

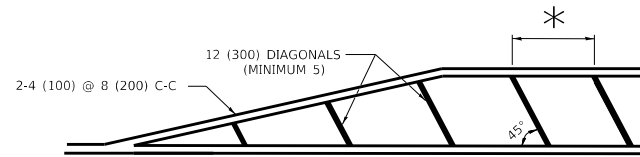


DETAIL "B"



DETAIL "C" CENTRAL DOWNTOWN BUSINESS DISTRICT

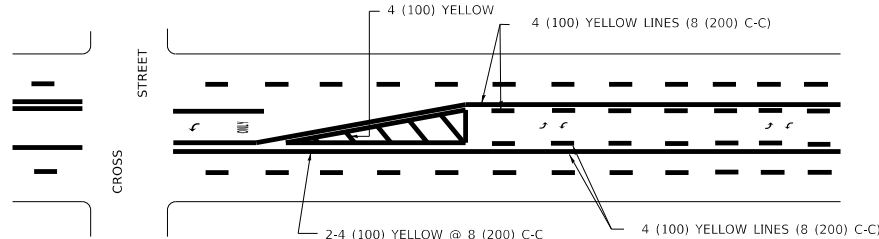
TYPICAL CROSSWALK MARKING



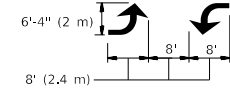
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

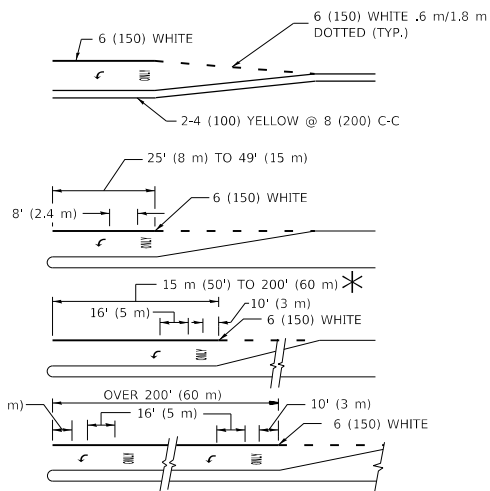


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

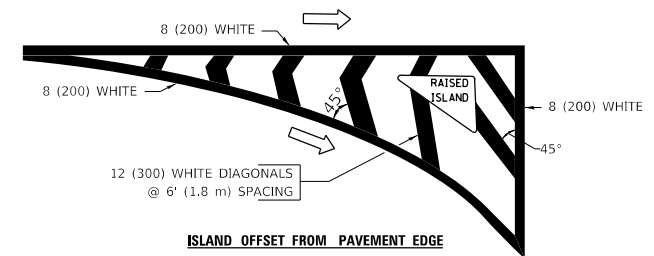


TYPICAL LEFT (OR RIGHT) TURN LANE

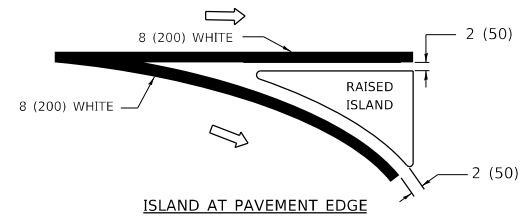
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - *ONLY* INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - *ONLY*.

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONAL (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

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

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

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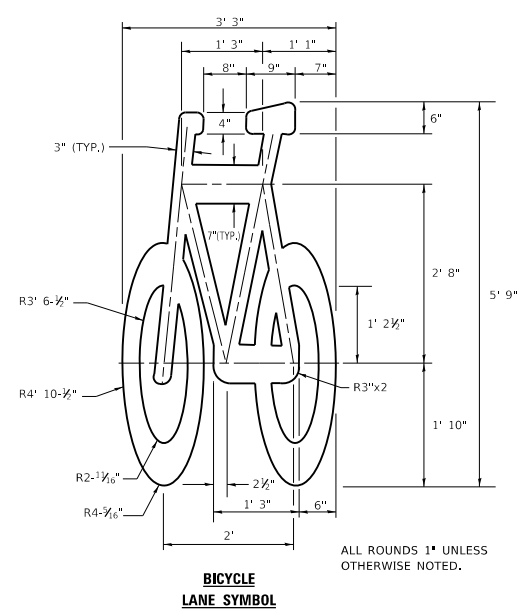
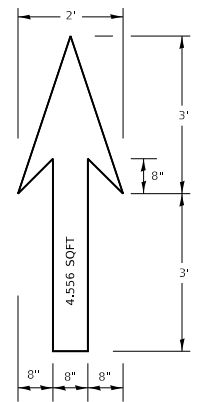
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	DRAWN -	REVISED - K. ENG 02-28-12
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/24/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

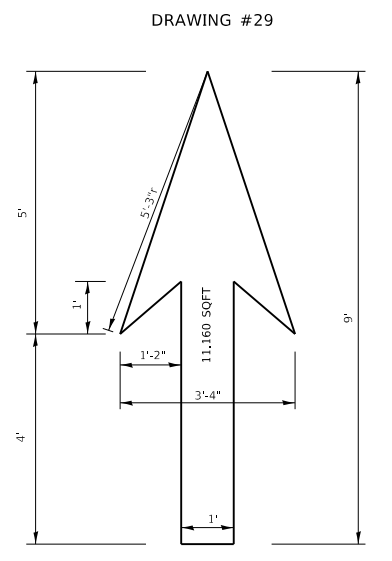
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	67
TC-24		CONTRACT NO. 62F90		
ILLINOIS		FED. AID PROJECT		



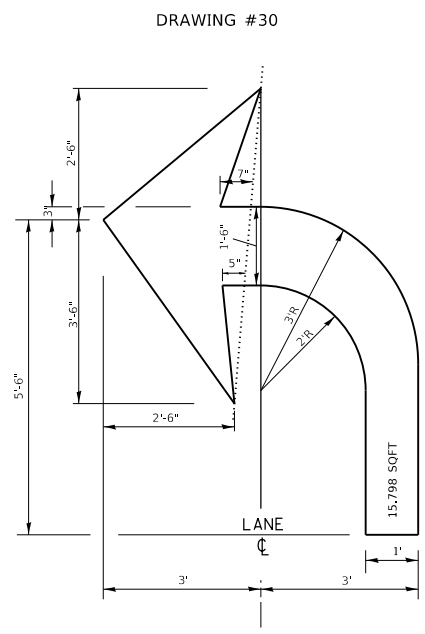
**BICYCLE
LANE SYMBOL**

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

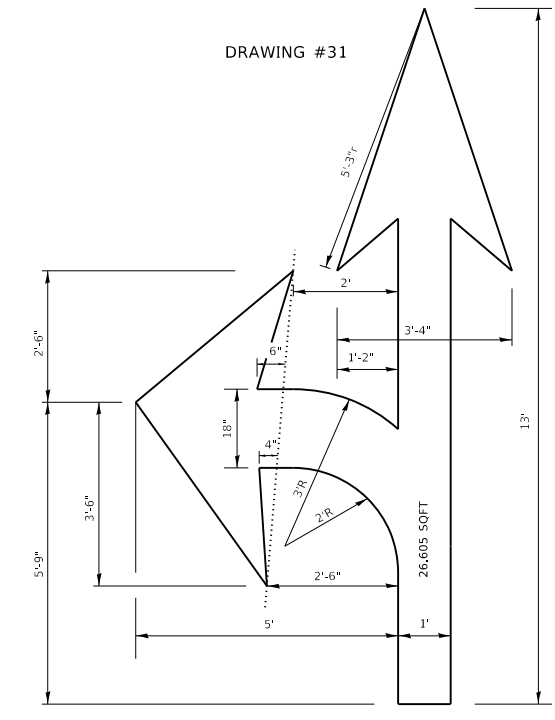
**TYPICAL BIKE LANE SYMBOLS
DRAWING #28**



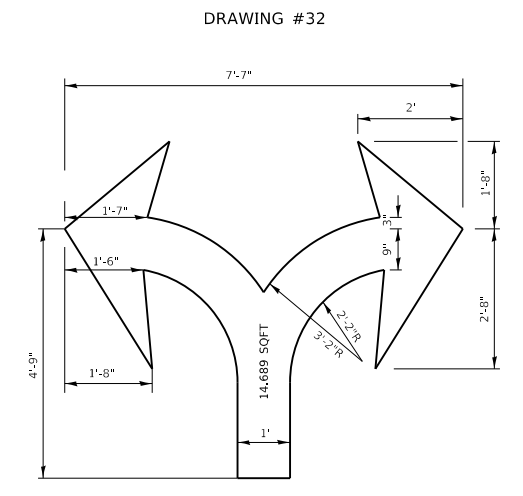
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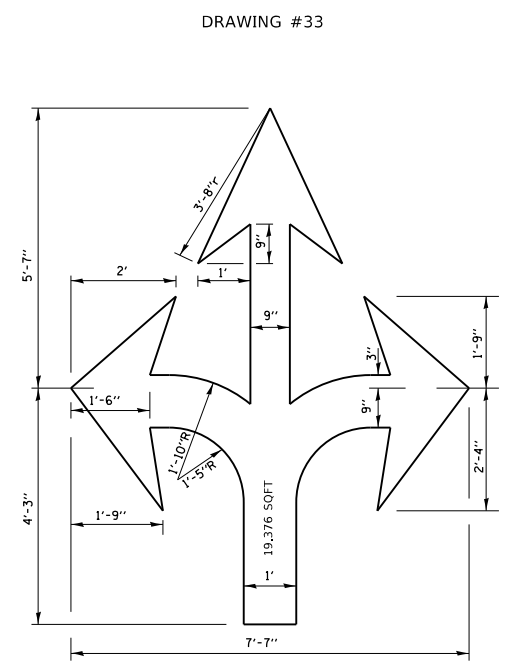
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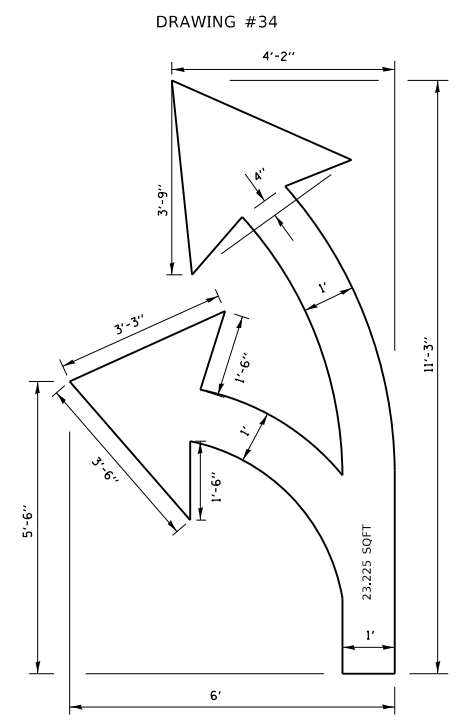
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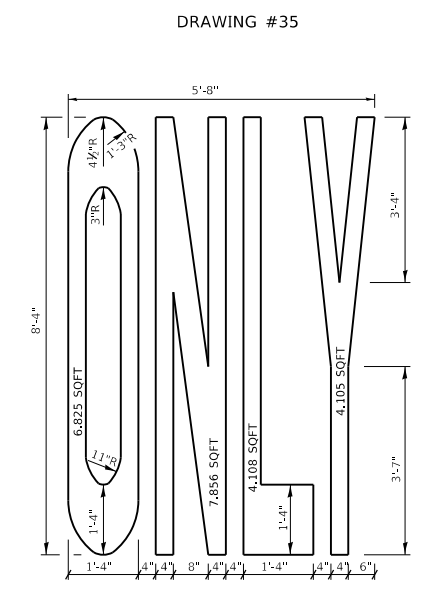
DRAWING #32



DRAWING #33



DRAWING #34



DRAWING #35

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

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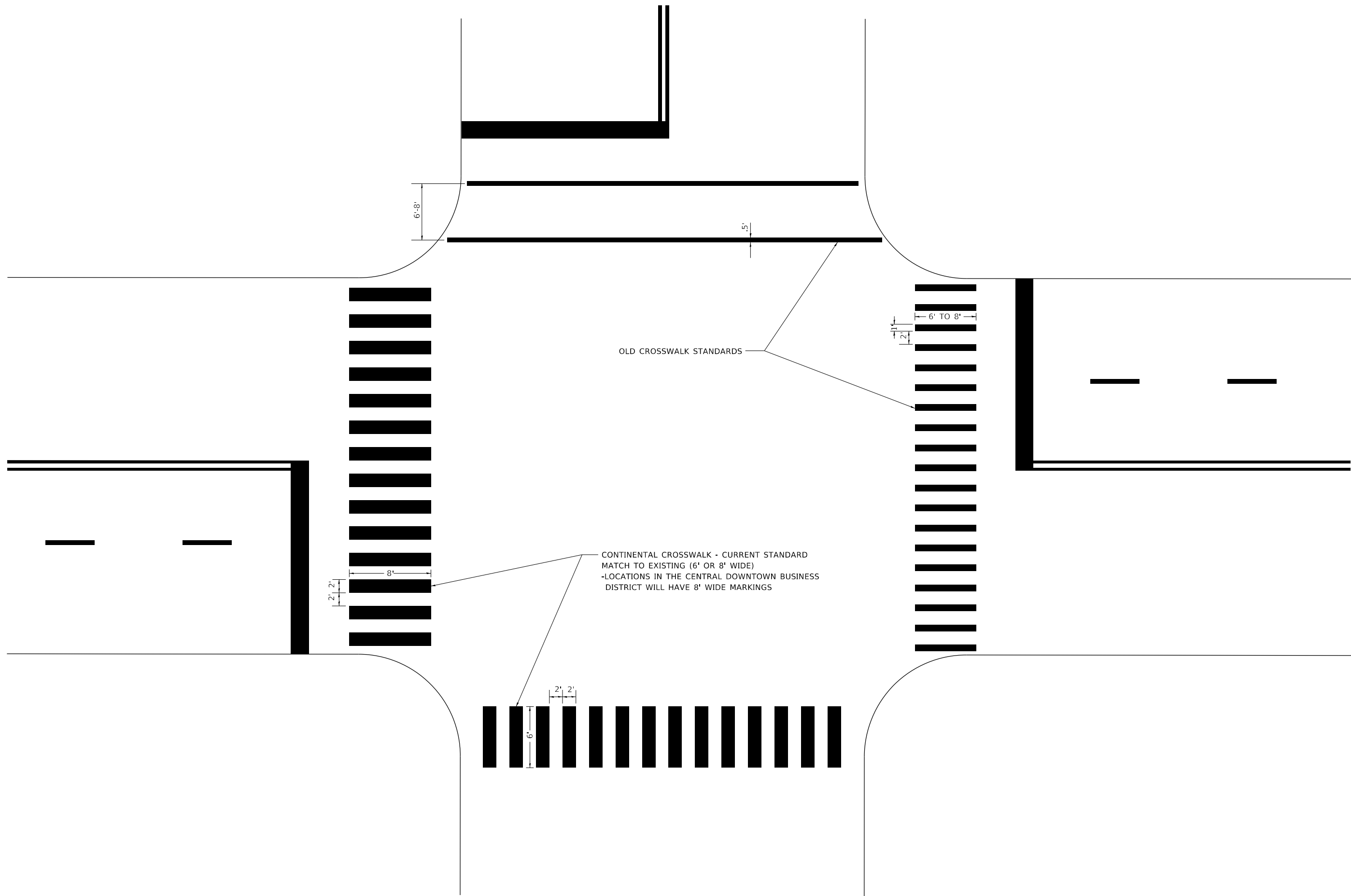
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PLOT DATE = 3/24/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	68
TC-24		CONTRACT NO. 62F90		
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CITY OF CHICAGO
 TYPICAL PAVEMENT MARKINGS**

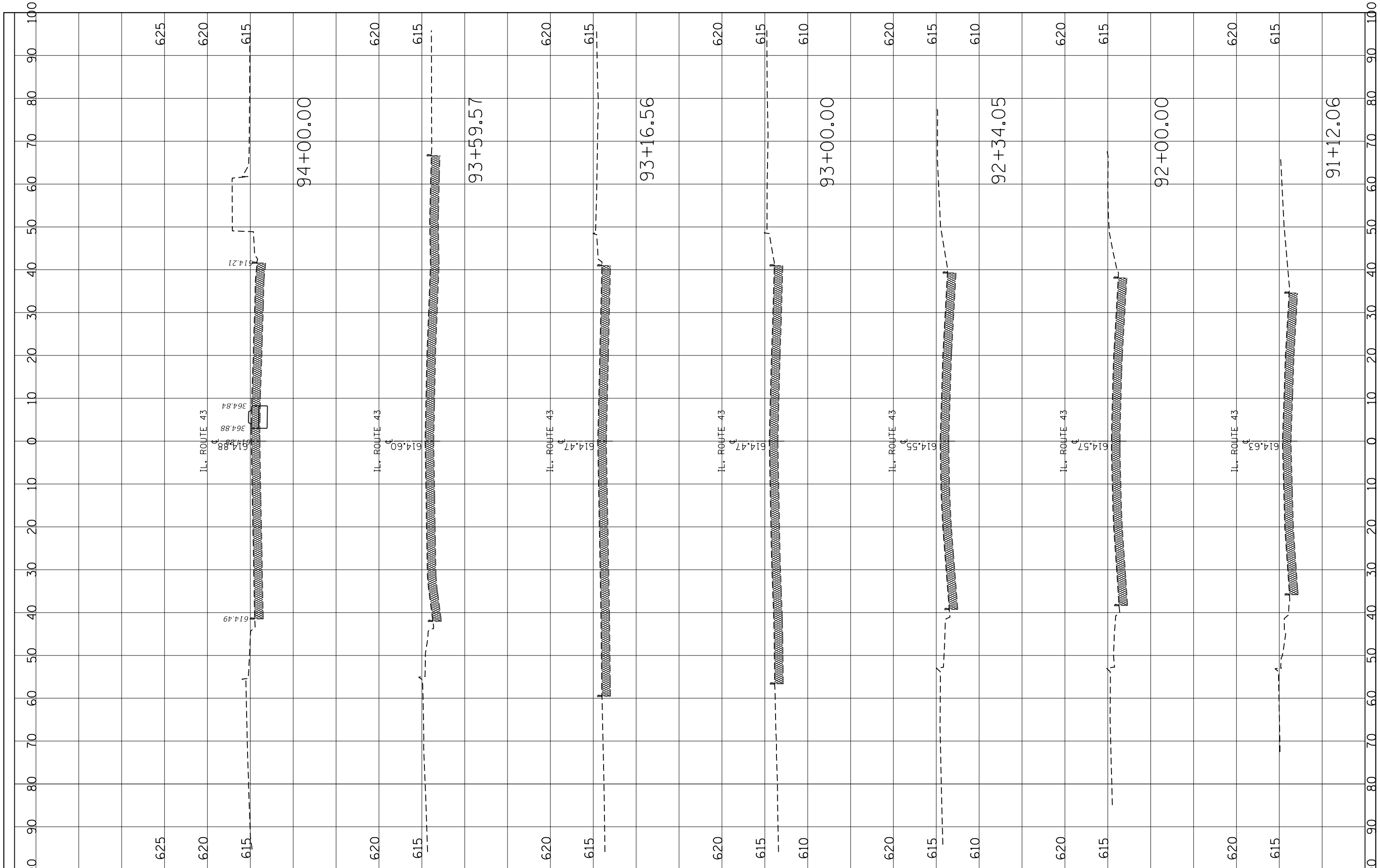
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	DRAWN -	REVISED -
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PLOT DATE = 3/24/2020	DATE -	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	69
TC-24			CONTRACT NO. 62F90	
ILLINOIS FED. AID PROJECT				

FINIAL 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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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/24/2020

DESIGNED -
 CHECKED -
 DATE -

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

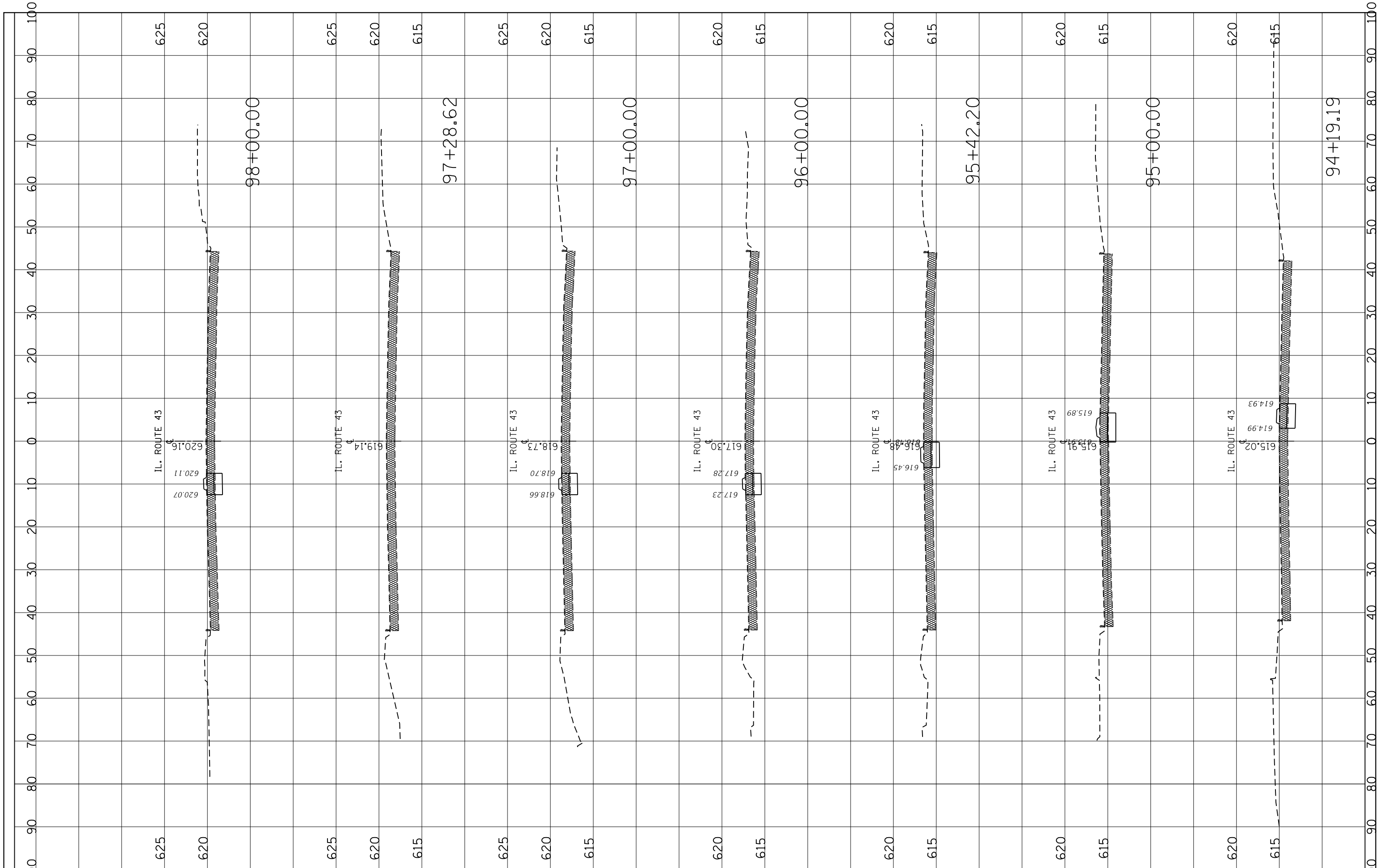
IL. ROUTE 43 AT ARCHER AVE.
 EXISTING CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 91+12.06 TO STA. 94+00.00

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 72
CONTRACT NO. 13872			ILLINOIS FED. AID PROJECT	

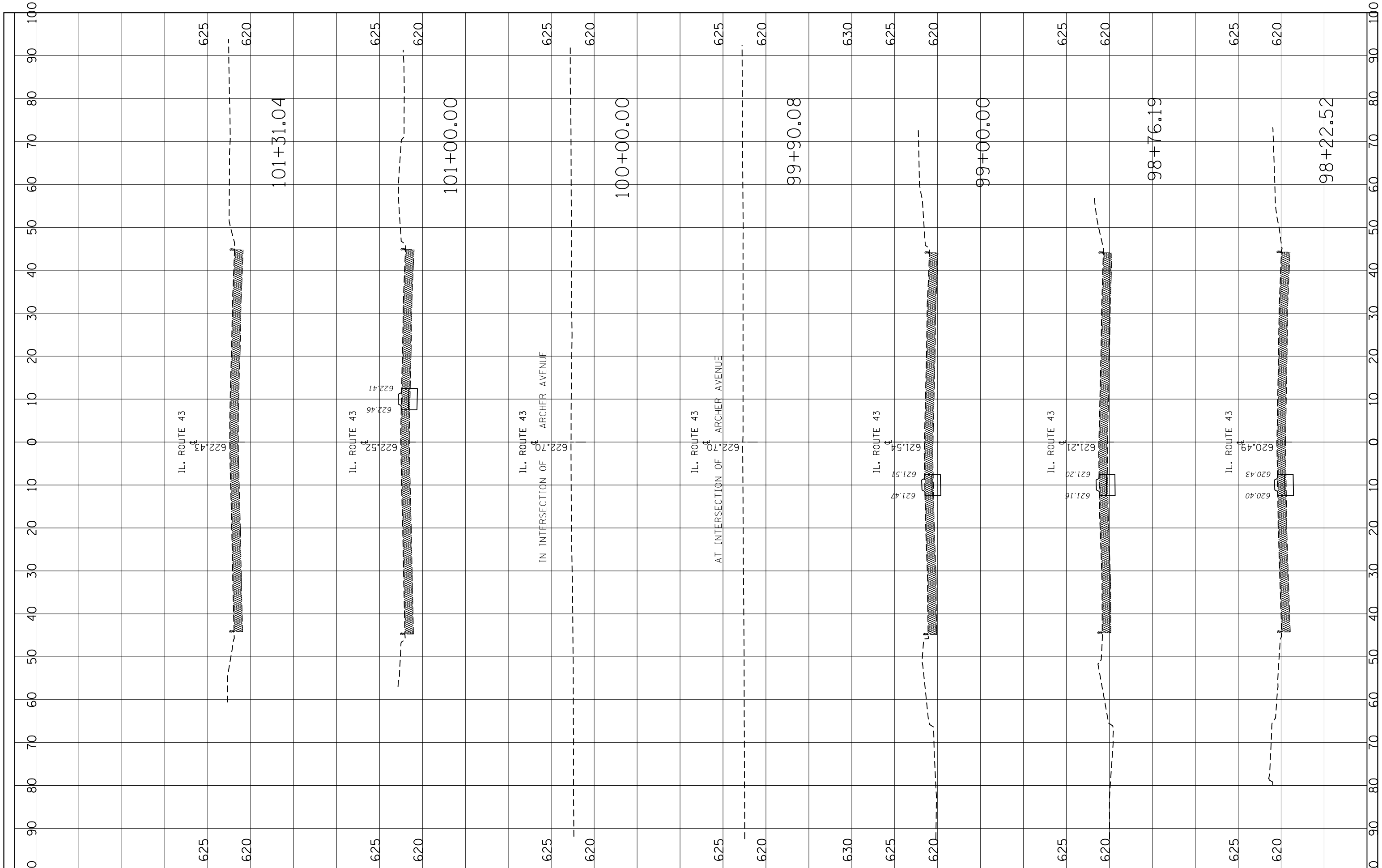
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NOTE BOOK	TEMPLATE		

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



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

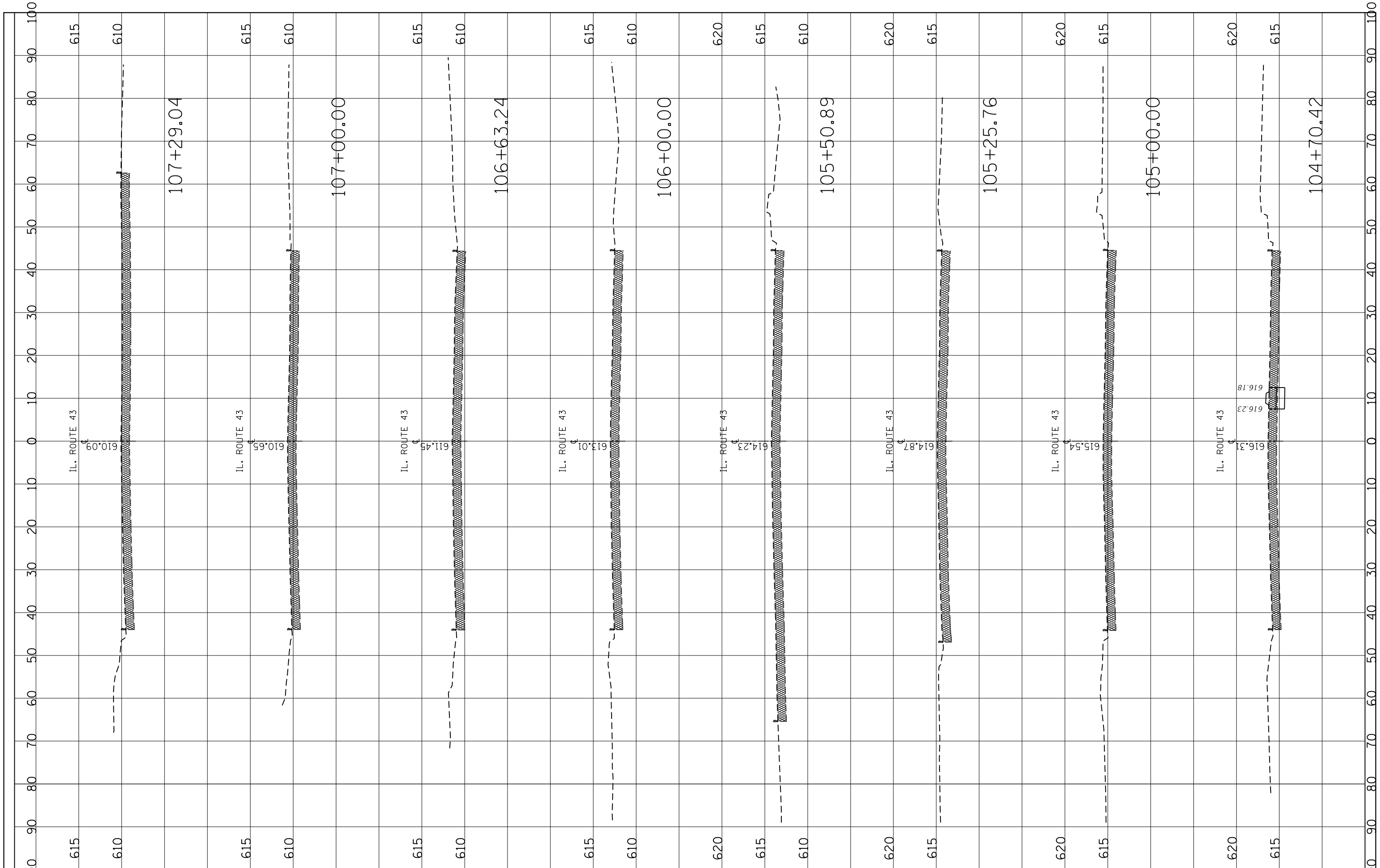
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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME =	USER NAME = josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 43 AT ARCHER AVE. EXISTING CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 3/24/2020	DATE -	REVISED -			CONTRACT NO. 13872			ILLINOIS FED. AID PROJECT	
						SCALE:	SHEET	OF	SHEETS	STA. 98+22.52

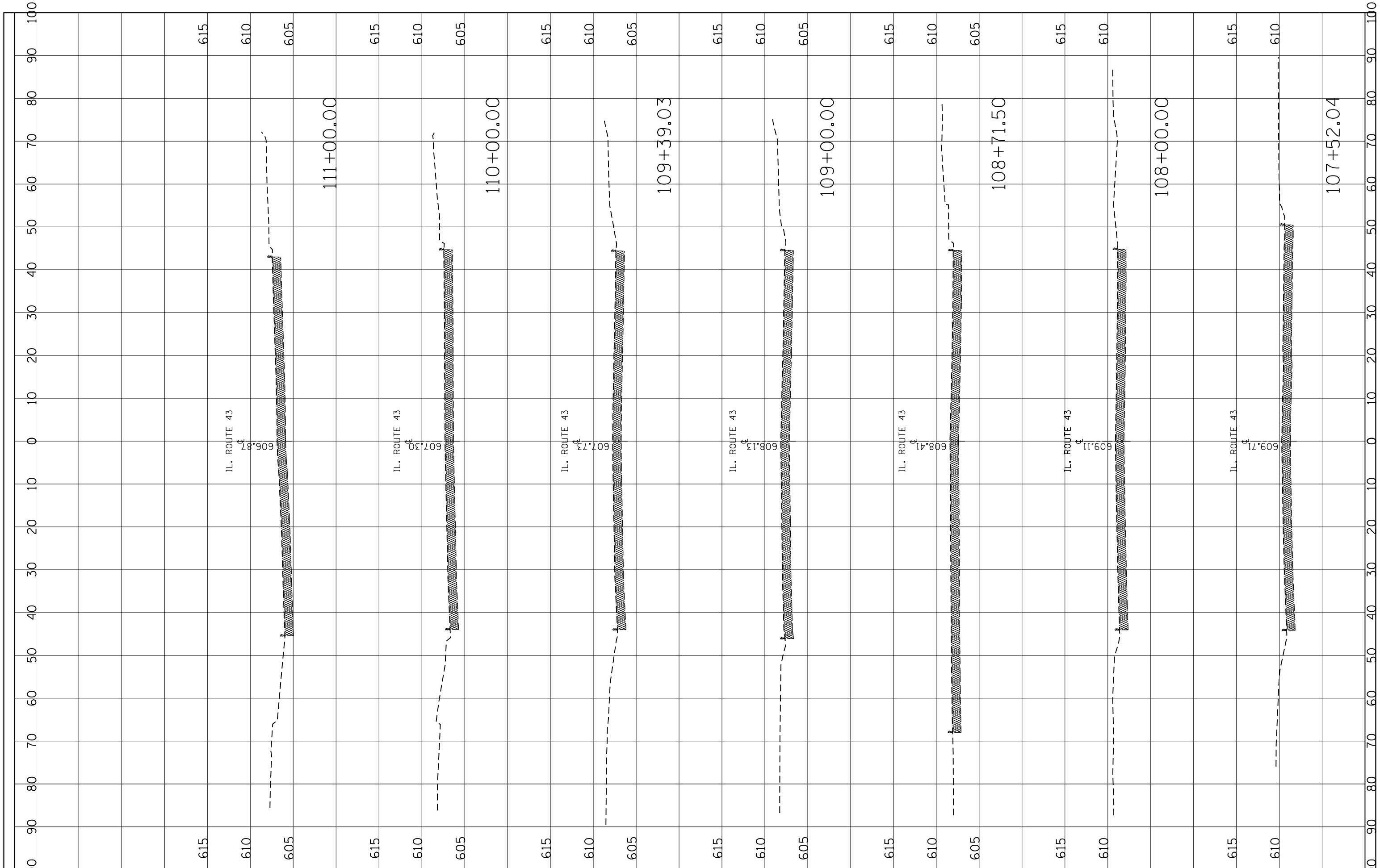
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ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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

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



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 PLOT DATE = 3/24/2020

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

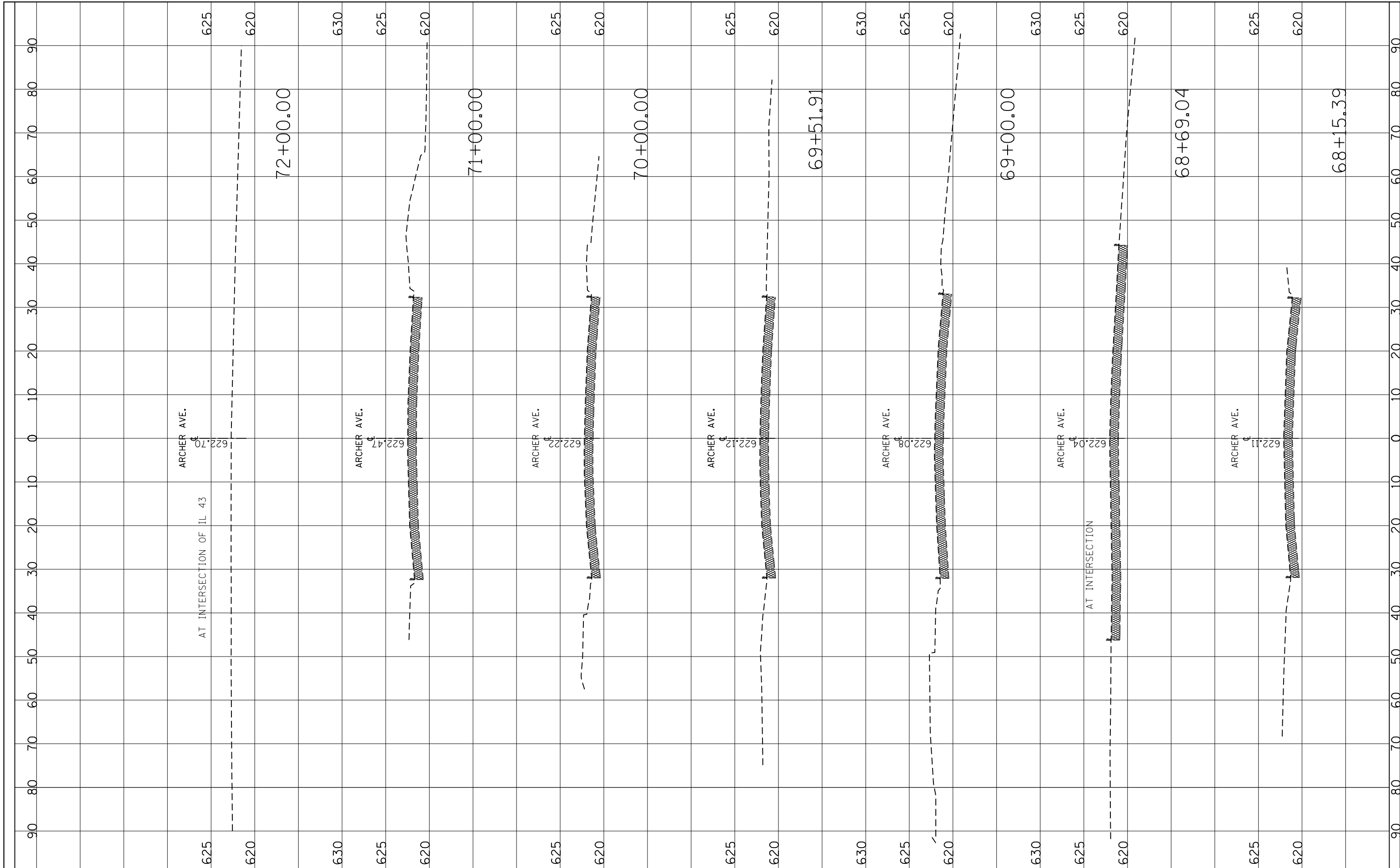
IL. ROUTE 43 AT ARCHER AVE.
 EXISTING CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 107+52.04 TO STA. 111+00.00

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 77
CONTRACT NO. 13872			ILLINOIS FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/24/2020

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

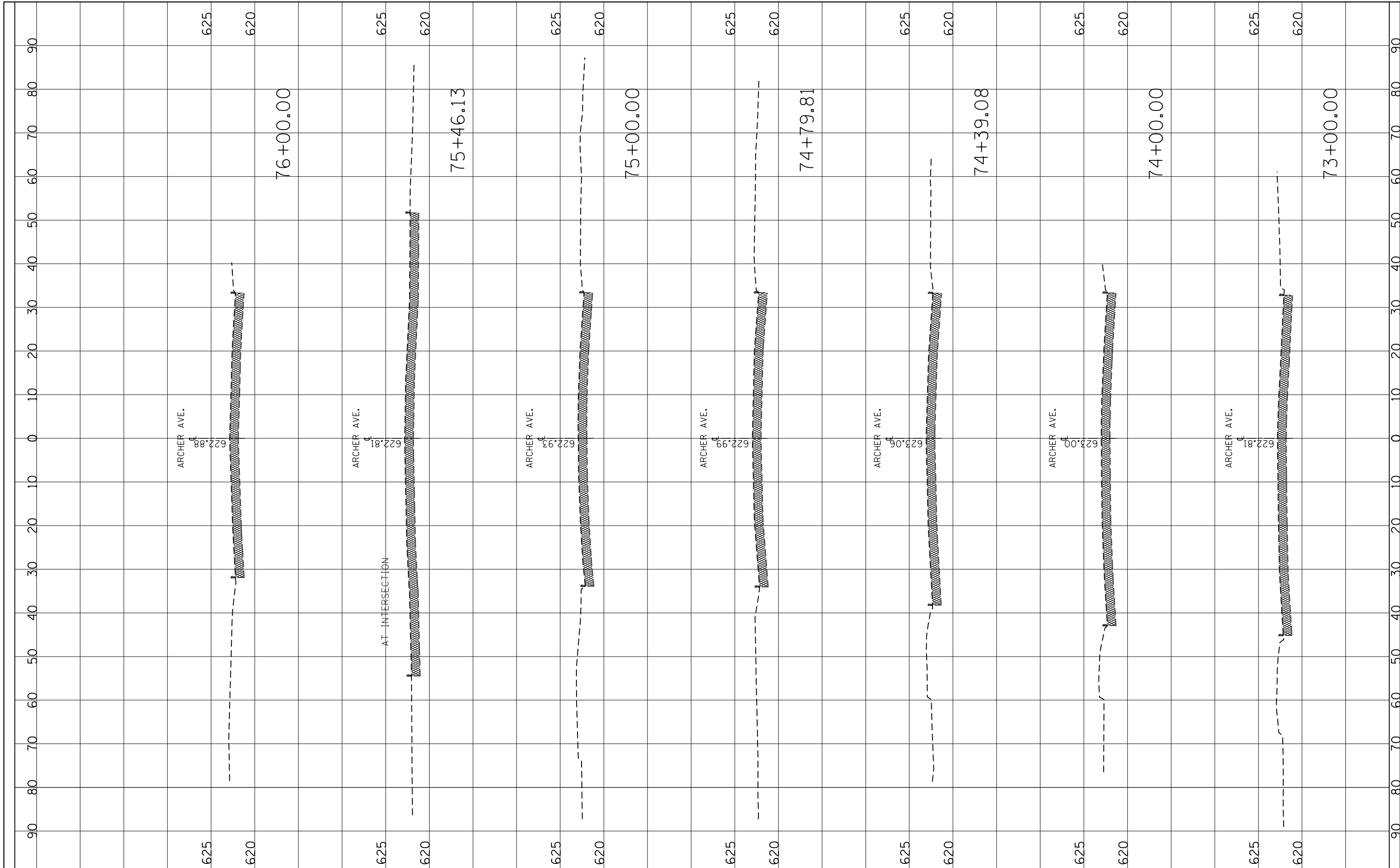
IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
 EXISTING CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 68+15.39 TO STA. 72+00.00

F.A.P. RTE. 348	SECTION 2324.3-N	COUNTY COOK	TOTAL SHEETS 80	SHEET NO. 80
CONTRACT NO. 62F90			ILLINOIS FED. AID PROJECT	

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

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



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USER NAME = josephm
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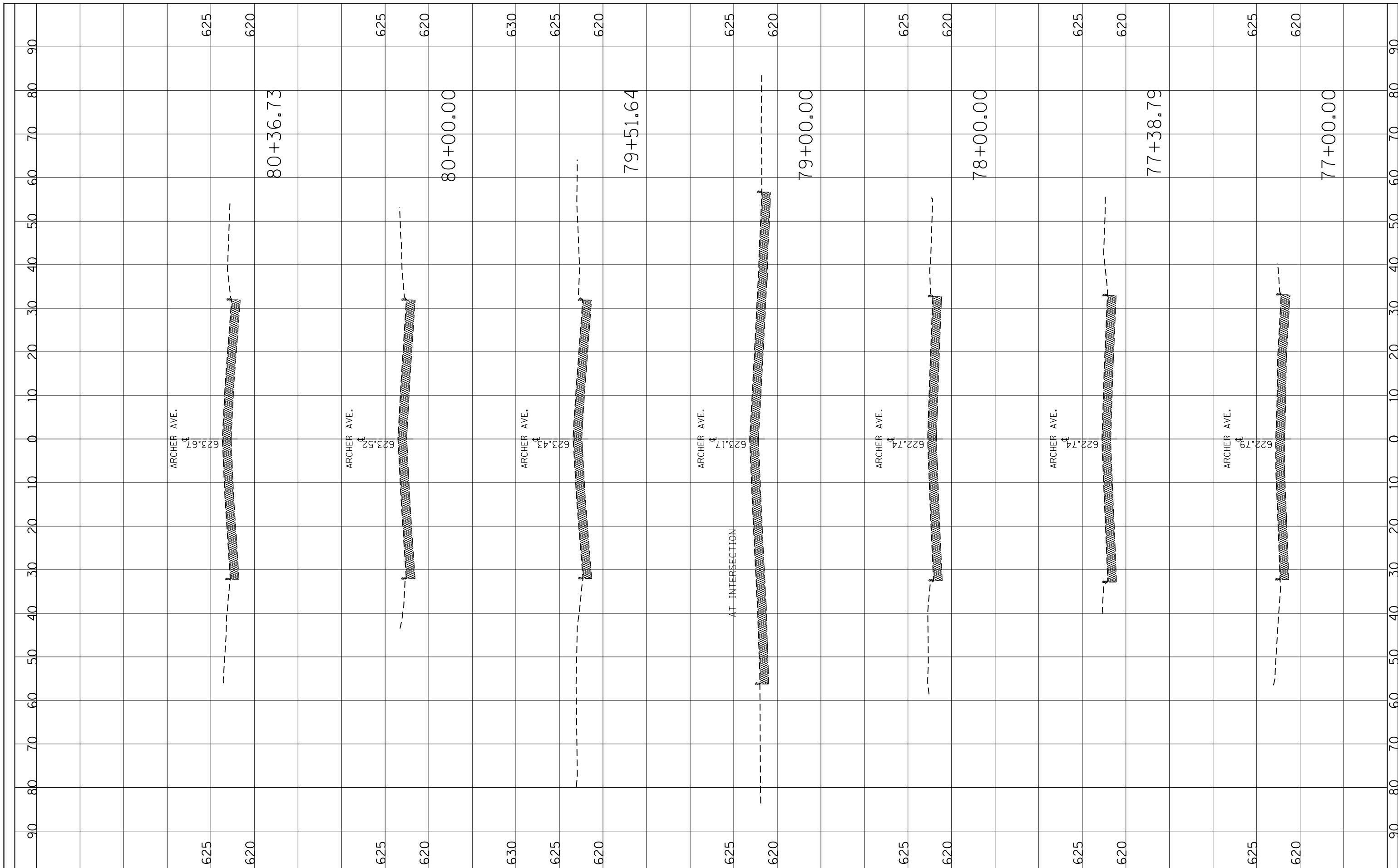
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
 EXISTING CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 73+00.00 TO STA. 76+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	80
CONTRACT NO. 62F90			ILLINOIS FED. AID PROJECT	

FINIAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS		
	CHECKED		

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



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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/24/2020

DESIGNED -
 CHECKED -
 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL RTE. 43 (HARLEM AVE.) AT ARCHER AVE.
 EXISTING CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 77+00.00 TO STA. 80+36.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2324.3-N	COOK	80	80
CONTRACT NO. 62F90			ILLINOIS FED. AID PROJECT	