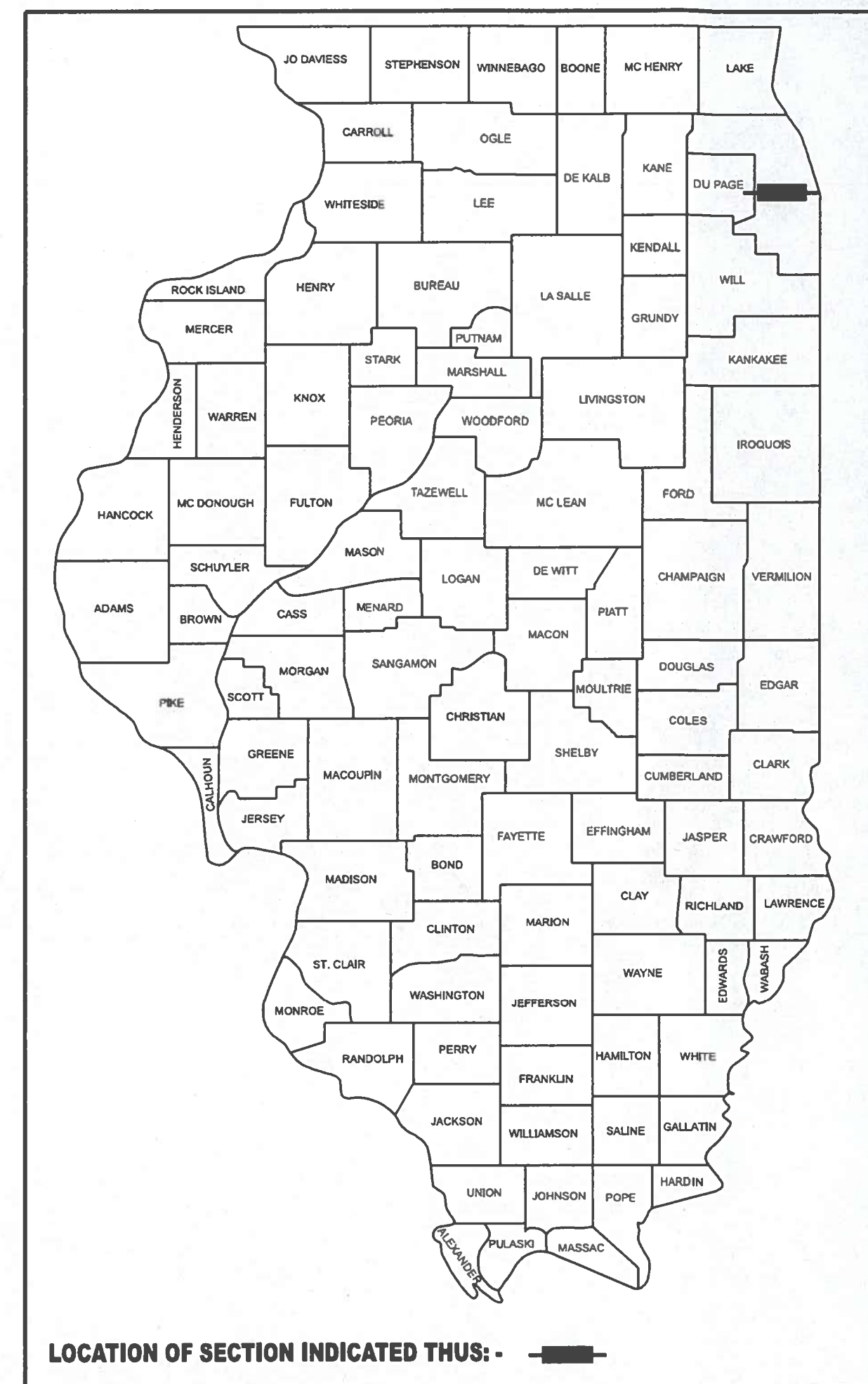


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	1
		ILLINOIS	CONTRACT NO. 80D75	

D-91-277-26



LOCATION OF SECTION INDICATED THUS: -

11-06-2026 LETTING ITEM 019

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 347: ROOSEVELT ROAD
US 12/20/45 (LAGRANGE ROAD) TO DES PLAINES AVENUE
SECTION: 2026-2260-RS,SW
PROJECT: NHPP-S2AZ(830)
STANDARD OVERLAY & ADA IMPROVEMENTS
COOK COUNTY

C-91-349-26

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE VILLAGES
OF BROADVIEW, FOREST PARK, MAYWOOD &
WESTCHESTER

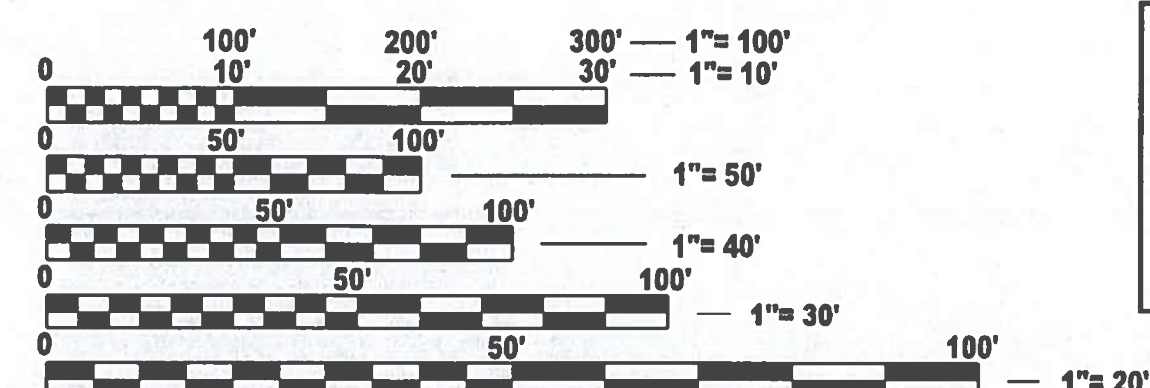
TRAFFIC DATA:
ADT = 24,000 - 26,800 (2025)

POSTED SPEED LIMIT = 30 MPH

DESIGN DESIGNATION = OTHER PRINCIPAL ARTERIAL

PROJECT BEGINS
STATION 17 + 02

OMISSIONS
1: STA 46 + 80 TO 47 + 77
2: STA 57 + 15 TO 66 + 50
3: STA. 168 + 11 TO 169 + 35

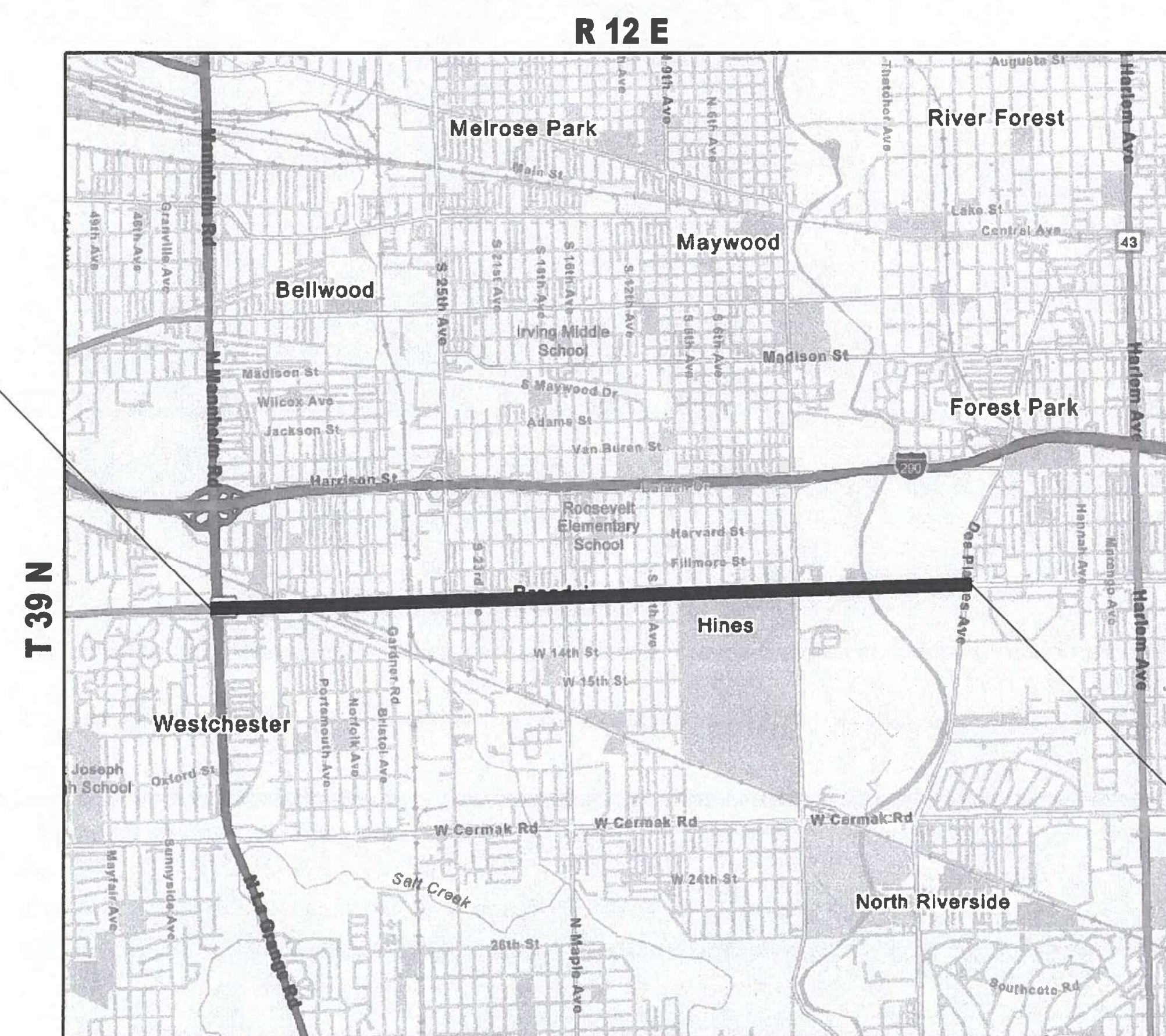


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

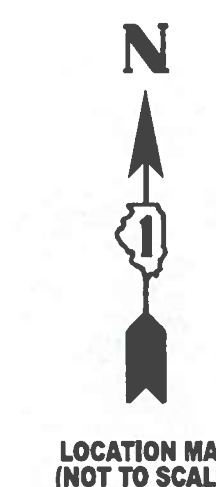
PROJECT ENGINEER: DANIEL WILGREEN, P.E. (847)-705-4240
PROJECT MANAGER: J. ALAIN MIDY, P.E. (847)-221-3056

CONTRACT NO. 80D75



PROVISO TOWNSHIP

GROSS LENGTH = 17,527 FEET = 3.32 MILES
OMMISSION LENGTH = 1,156 FEET = 0.22 MILES
NET LENGTH = 16,371 FEET = 3.10 MILES



PROJECT ENDS
STATION 192 + 29

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 6 2026
Joe Rios REGIONAL ENGINEER

October 2 2026
S. E. Etk ENGINEER OF DESIGN AND ENVIRONMENT

October 2 2026
J. M. J. DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION	
1	COVER SHEET	000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS	1. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2	INDEX OF SHEETS. STATE STANDARDS,AND GENERAL NOTES	424001-12	PERPINDICULAR CURB RAMPS FOR SIDEWALKS	2. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES, ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
3-5	SUMMARY OF QUANTITIES	424011-05	DEPRESSED CORNER FOR SIDEWALKS	3. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
6	LANDSCAPING SCHEDULE OF QUANTITIES	424021-07	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS	4. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
7-8	TYPICAL SECTIONS	442201-04	CLASS C AND D PATCHES	5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
9-15	ROADWAY PLANS	606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	6. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
16-18	ADA RAMP DESIGNS	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE	7. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
19-43	APS, DETECTOR LOOP & TRAFFIC SIGNAL PLANS	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM EDGE OF PAVEMENT	8. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
44	FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH	9. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
45	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701501-07	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED	10. 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 ENGINEER.
46	CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE	11. 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.
47	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	12. THE RESIDENT ENGINEER SHALL CONTACT ABDULLA ALI AREA TRAFFIC FIELD ENGINEER AT, ABDULLA.ALI@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
48	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN	13. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
49	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION	14. ALL PAVEMENT MARKINGS ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING DETAIL TC-13.
50-51	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE	15. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT JOSEPH.D.JONES@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
52	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701901-11	TRAFFIC CONTROL DEVICES	16. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
53	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)	780001-05	TYPICAL PAVEMENT MARKINGS	17. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.
54	ARTERIAL ROAD INFORMATION SIGN (TC-22)			18. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPm DETAIL TC-11.
55	DRIVEWAY ENTRANCE SIGNING (TC-26)			19. CONTRACTOR MUST NOT ENCROACH, PERFORM ANY CONSTRUCTION ACTIVITIES, OR PARK ANY CONSTRUCTION EQUIPMENT OR VEHICLES IN THE AREA WITHIN 30' FROM THE CENTERLINE OF THE NEAREST TRACK.
56-62	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-01)			20. THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT AT LEAST 1 WEEK IN ADVANCE OF BEGINNING FORESTRY WORK, WEED SPRAYING AND SEEDING.
				21. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITES COMPANIES AND THE VILLAGES OF BROADVIEW, MAYWOOD, WESTCHESTER & FOREST PARK.
				22. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
				23. ALL NITROGEN, PHOSPHOROUS AND POTASSIUM FERTILIZER NUTRIENTS HAVE BEEN INTENTIONALLY OMITTED FROM THE CONTRACT ON THE SODDING APPLICATION.
				24. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
				25. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE REMAINED INSTALLED UNTIL COMPLETION OF THE PROJECT OR WHEN NO ROADAY HAZARDS REMAIN WITHIN THE WORK ZONE.

	USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			DRAWN	-	REVISED	-		347	2026-2260-RS,SW	COOK	62	2					
	PLOT SCALE	= 0.16666633 ' / in.	CHECKED	-	REVISED	-				CONTRACT NO. 80D75							
	PLOT DATE	= 8/13/2026	DATE	-	REVISED	-		SCALE:	SHEET	OF	1	SHEETS	STA.	TO STA.			
													ILLINOIS	FED. AID PROJECT			

MODEL: SQQ_1 [Sheet]
FILE NAME: c:\pw_workspace\hamwi\md1198178\DJ12726-shr-SQQ.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					Roosevelt Rd Cook	Roosevelt Rd Cook	Roosevelt Rd Cook			
					Roadway	Roadway	Traffic Signals			
					80% Fed 20% State	100% State	80% Fed 20% State			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	89.3	89.3					
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	61	61					
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5					
	20200100	EARTH EXCAVATION	CU YD	25	25					
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	328	328					
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2	2					
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2	2					
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2					
	25200110	SODDING, SALT TOLERANT	SQ YD	328	328					
	25200200	SUPPLEMENTAL WATERING	UNIT	3.7	3.7					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	73332	73332					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	76614	76614					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	163	163					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1230	1230					
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	281	281					
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	4482	4482					
	40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	10647	10647					
	42001300	PROTECTIVE COAT	SQ YD	1140	1140					
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4488	4488					
	42400800	DETECTABLE WARNINGS	SQ FT	210	210					
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	108639	108639					

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES					TYPE CODE					
					Roosevelt Rd Cook	Roosevelt Rd Cook	Roosevelt Rd Cook			
					Roadway	Roadway	Traffic Signals			
					80% Fed 20% State	100% State	80% Fed 20% State			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	40	40					
	44000600	SIDEWALK REMOVAL	SQ FT	4488	4488					
	44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	1254	1254					
	44003100	MEDIAN REMOVAL	SQ FT	1750	1750					
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	879	879					
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	225	225					
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	150	150					
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1					
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					
	60255500	MANHOLES TO BE ADJUSTED	EACH	1	1					
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5					
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	3					
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	30	30					
	60404950	FRAMES AND GRATES, TYPE 24	EACH	5	5					
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2					
	60408001	FRAMES AND LIDS, TYPE 1,ADA COMPLIANT, OPEN LID	EACH	1	1					
	60408100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1					
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	40	40					
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1750	1750					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					

* = SPECIALTY ITEM

	USER NAME = mohammad.hamwi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE			347	2026-2260-RS,SW	COOK	62	3
		CHECKED -	REVISED -					CONTRACT NO. 80D75				
	PLOT DATE = 8/13/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: SQQ 2 [Sheet]
FILE NAME: c:\pw_work\pawid\hamwi\md11981780\12726-shr-SQQ.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					ROOSEVELT RD COOK	ROOSEVELT RD COOK	ROOSEVELT RD COOK			
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4					
	67100100	MOBILIZATION	L SUM	1	1					
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	35823	35823					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2986	2986					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2340	2340					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	105380	105380					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	10300	10300					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	2752	2752					
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	8956	8956					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1170	1170					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	48004	48004					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4686	4686					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5140	5140					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1376	1376					

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES					TYPE CODE					
					ROOSEVELT RD COOK	ROOSEVELT RD COOK	ROOSEVELT RD COOK			
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	722	722					
*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	110	110					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1780	1780					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1780	1780					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	725			725			
*	81400200	HEAVY-DUTY HANDHOLE	EACH	13			13			
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8			8			
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3036			3036			
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1294			1294			
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1970			1970			
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1456			1456			
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1253			1253			
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1775			1775			
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16			16			
*	87900200	DRILL EXISTING HANDHOLE	EACH	24			24			
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10			10			
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4			4			
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4			4			
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6			6			
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4			4			
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	4			4			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	4187			4187			

* = SPECIALTY ITEM

	USER NAME = mohammad.hamwi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE				347	2026-2260-RS,SW	COOK	62	4
		CHECKED -	REVISED -						CONTRACT NO. 80D75				
	PLOT DATE = 8/13/2026	DATE -	REVISED -		SCALE:	SHEET 2	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES					TYPE CODE					
					ROOSEVELT RD COOK	ROOSEVELT RD COOK	ROOSEVELT RD COOK			
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
*	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	8			8			
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	3			3			
*	89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	3			3			
*	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	4			4			
*	89502200	MODIFY EXISTING CONTROLLER	EACH	3			3			
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2966			2966			
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1610			1610			
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	5			5			
	89502376	REBUILD EXISTING HANDHOLE	EACH	3	3					
*	89502380	REMOVE EXISTING HANDHOLE	EACH	9			9			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4			4			
	K0026700	TREE CARE	EACH	49	49					
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	60	60					
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1			1			
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6			6			
	X2010516	SELECTIVE CLEARING	UNIT	2.25	2.25					
	X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	0.8	0.8					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	886	886					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1112	1112					
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	630		630				

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES					TYPE CODE					
					ROOSEVELT RD COOK	ROOSEVELT RD COOK	ROOSEVELT RD COOK			
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	180	180					
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	210	210					
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	36			36			
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28			28			
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	42		42				
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	7			7			
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					

* = SPECIALTY ITEM

MODEL: SQO 3 [Sheet]
FILE NAME: c:\pwworking\dwidohamwi\mid1198178\DJ27726-shd-SQO.dgn

	USER NAME * mohammad.hamwi		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -					ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE				347	2026-2260-RS,SW	COOK	62	5
			CHECKED -	REVISED -									CONTRACT NO. 80D75				
	PLOT DATE = 8/7/2026		DATE -	REVISED -					SCALE:	SHEET 3	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

LANDSCAPING SCHEDULE OF QUANTITIES

TREE REMOVAL (6 TO 15 UNITS DIAMETER)	
20100110	
STATION	QUANTITY
40+50 RT	9.9
96+25 LT	6
116+00 to 118+00 RT	48.4
169+50 LT	25
TOTAL	89.3 UNITS

TREE REMOVAL (OVER 15 UNITS DIAMETER)	
20100210	
STATION	QUANTITY
112+50 RT	29
123+00 RT	32
TOTAL	61 UNITS

TREE PRUNING (OVER 10 INCH DIAMETER)	
20101350	
STATION	QUANTITY
30+75 RT	1
42+25 RT	2
45+50 RT	1
49+00 RT	1
TOTAL	5 EACH

PRUNING FOR SAFETY & EQUIP. CLEAR	
X2100002	
STATION	QUANTITY
128+00 to 129+00 RT	0.8
TOTAL	0.8 UNITS

SELECTIVE CLEARING	
X2010516	
STATION	QUANTITY
167+00 to 170+00 RT	1.5
167+00 to 170+00 LT	0.75
TOTAL	2.25 UNITS

TREE CARE	
K0026700	
STATION	QUANTITY
38+00 to 53 LT	30
54+00 RT	1
83+00 to 95+00 RT	18
TOTAL	49 EACH

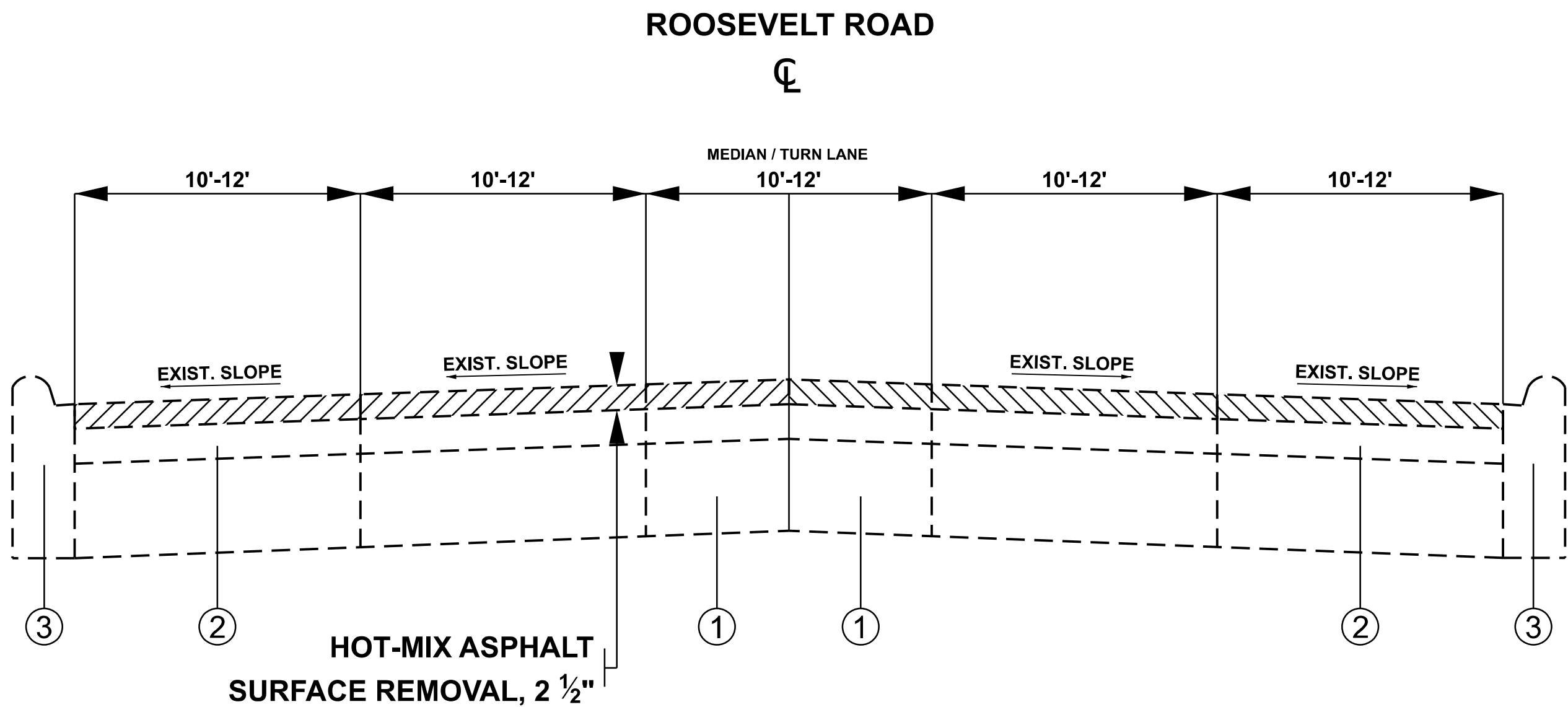
Include the following in plan note: Contact the IDOT Roadside Development Unit at 847-705-4171 at least 2 weeks prior to check the layout of the landscape and forestry work.

MODEL: Schedule01 [Sheet]
FILE NAME: c:\pawork\pawork\hamw\md1198178\ID12726-sht-schedule.dgn

	USER NAME = mohammad.hamwi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING SCHEDULE QUANTITIES ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				347	2026-2260-RS,SW	COOK	62	6
	PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -				CONTRACT NO. 80D75				
	PLOT DATE = 8/7/2026	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET	OF 1	SHEETS	STA.	TO STA.					

LEGEND - EXISTING

- ① PORTLAND CEMENT CONCRETE PAVEMENT ±10"
- ② HOT MIX ASPHALT PAVEMENT ±4"
- ③ EXISTING CURB AND GUTTER

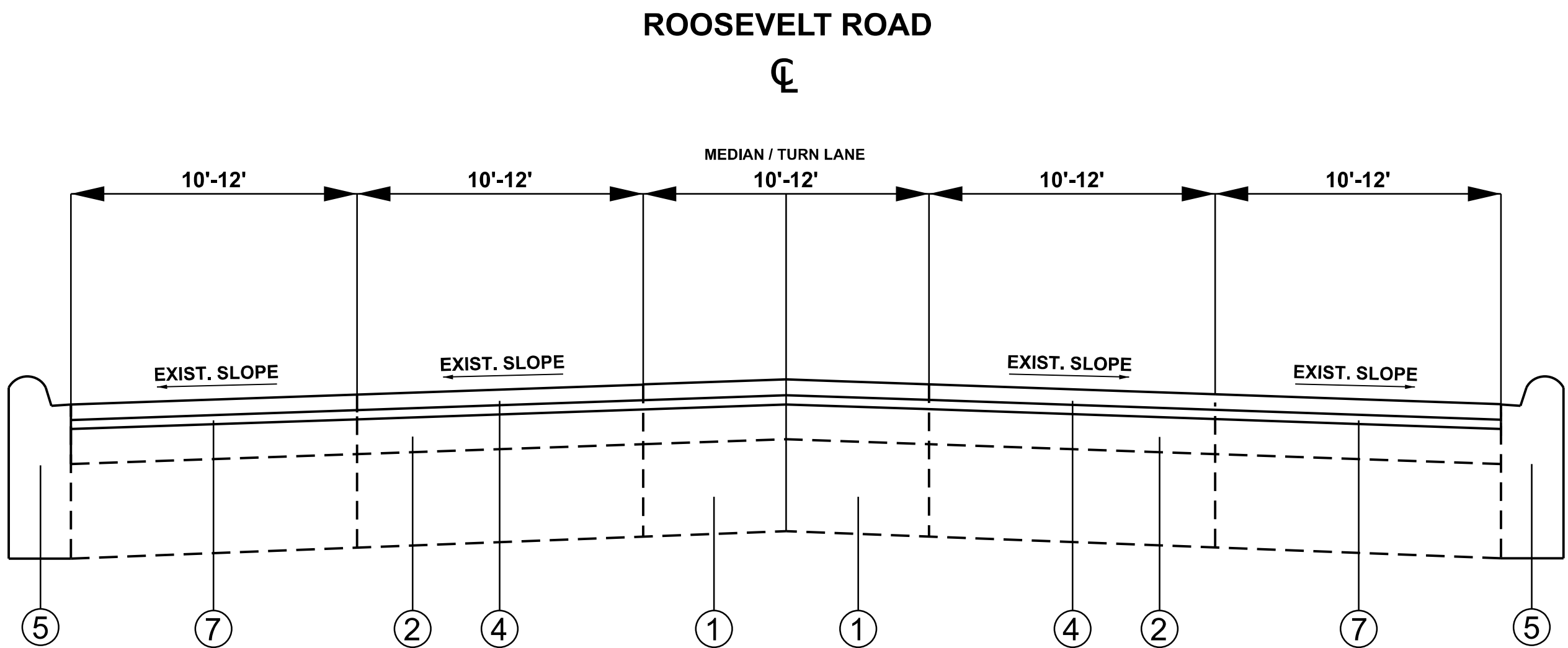


EXISTING TYPICAL SECTION

STATION:
17+02 TO 43+00
67+00 TO 79+00
122+00 TO 128+00
136+00 TO 168+00
186+00 TO 192+29

LEGEND - PROPOSED

- ④ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- ⑤ COMBINATION CURB & GUTTER (REMOVAL & REPLACEMENT DETERMINED BY RE)
- ⑦ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"



PROPOSED TYPICAL SECTION

STATION:
17+02 TO 43+00
67+00 TO 79+00
122+00 TO 128+00
136+00 TO 168+00
186+00 TO 192+29

LOCATION	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
	MIXTURE TYPE	AIR VOIDS @ Ndesign	
	PAVEMENT RESURFACING		
ROOSEVELT RD	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 ¾"	3.5% @ 80 GYR	PFP
ROOSEVELT RD	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, ¾"	3.5% @ 50 GYR	QCP
	PATCHING		
ROOSEVELT RD	CLASS D PATCHES (HMA BINDER IL-19.0 MM: 10")	4.0% @ 70 GYR	QC/QA
ROOSEVELT RD	HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0)	4.0% @ 70 GYR	QC/QA
	QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

NOTES:

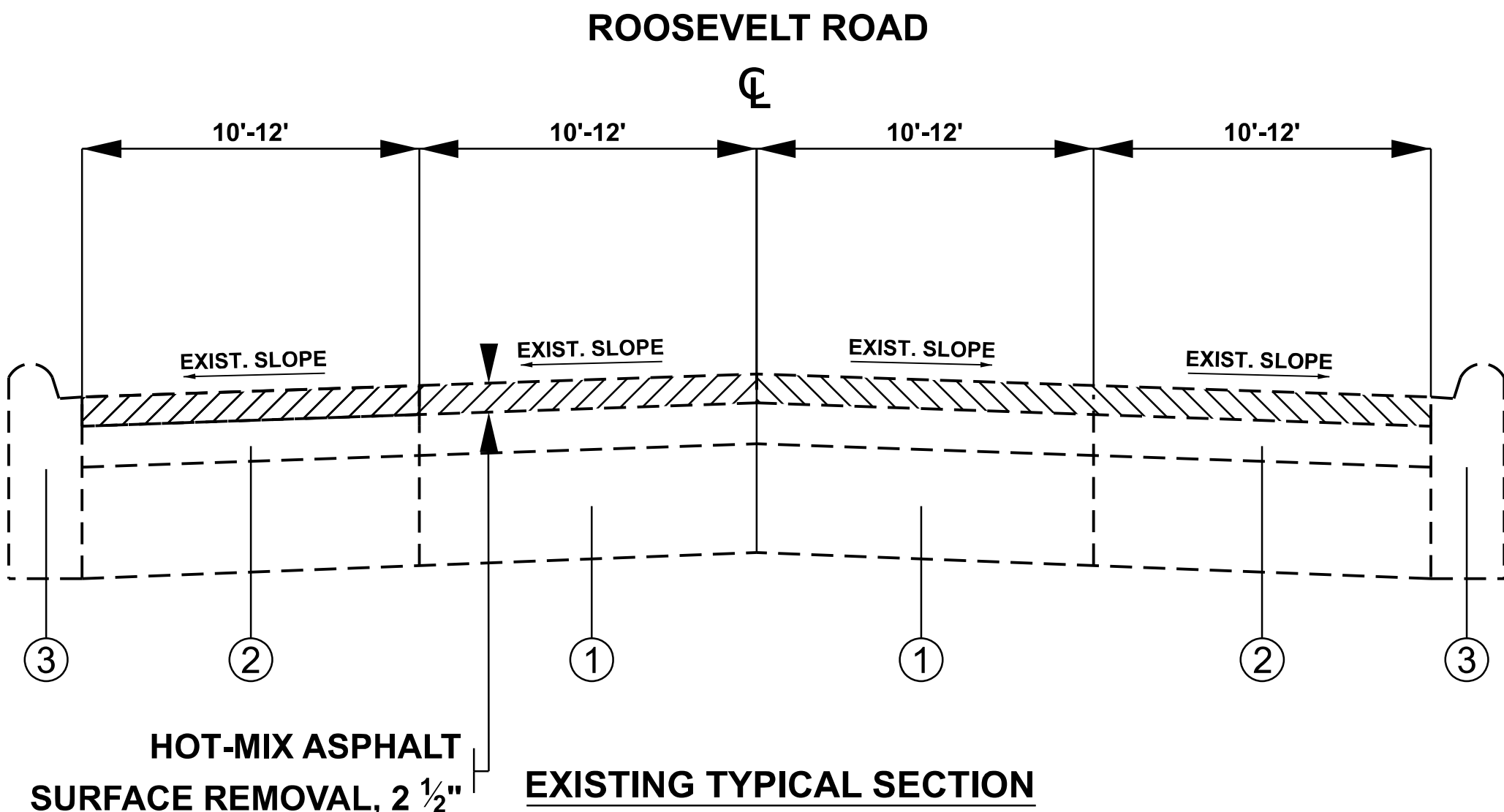
- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE COURSE MIXTURES IS 112 LBS/SQYD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE P HMA BC IL-4.75 N50.
- THE CONTRACTOR SHALL PATCH THEN MILL.

MODEL: TYPICAL SECTION 1 (Sheet)
FILE NAME: c:\pawork\pawork\hamwi\11981780\12726-sh-typical.dgn

	USER NAME = mohammad.hamwi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					347	2026-2260-RS,SW	COOK	62	7
		CHECKED -	REVISED -					CONTRACT NO. 80D75				
	PLOT DATE = 8/7/2026	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

LEGEND - EXISTING

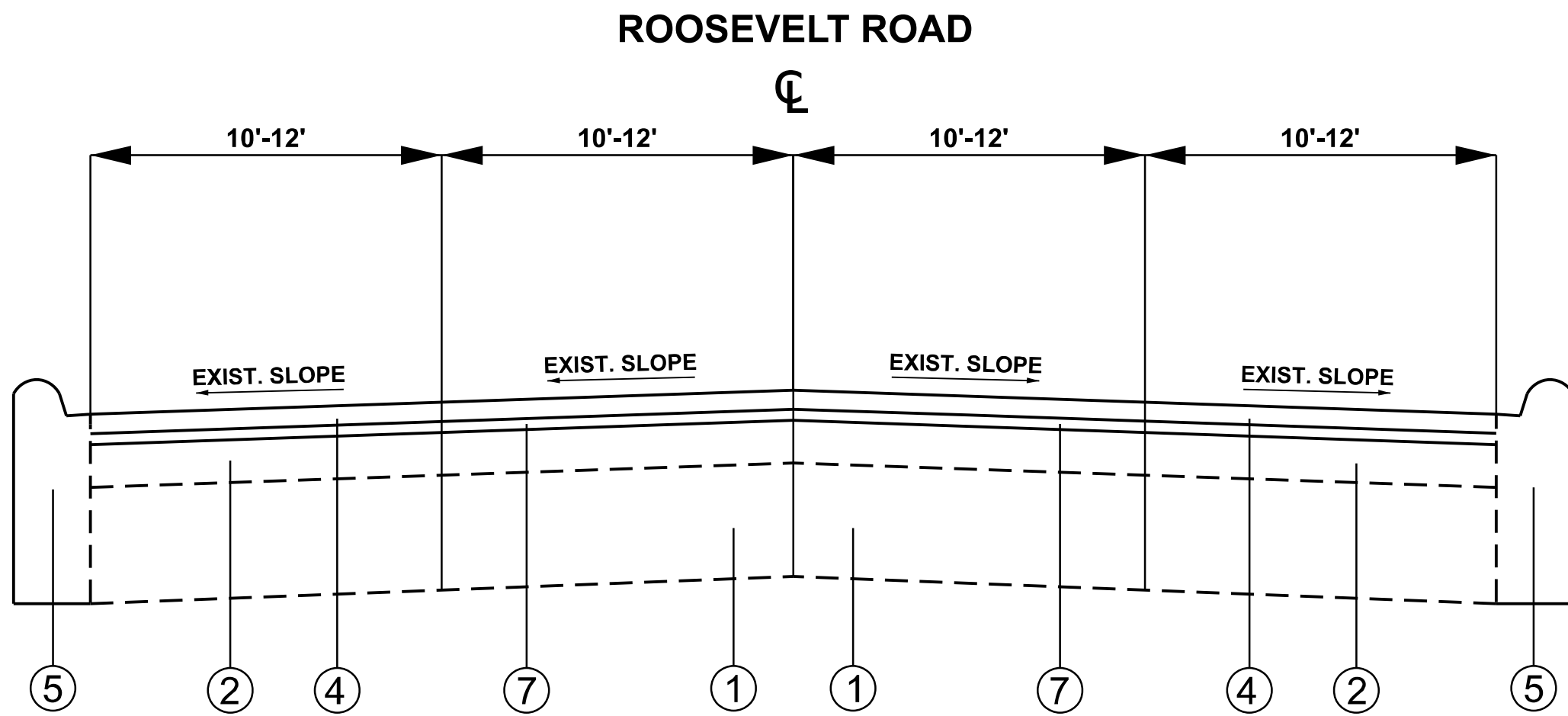
- ① PORTLAND CEMENT CONCRETE PAVEMENT ±10"
- ② HOT MIX ASPHALT PAVEMENT ±4"
- ③ EXISTING CURB AND GUTTER



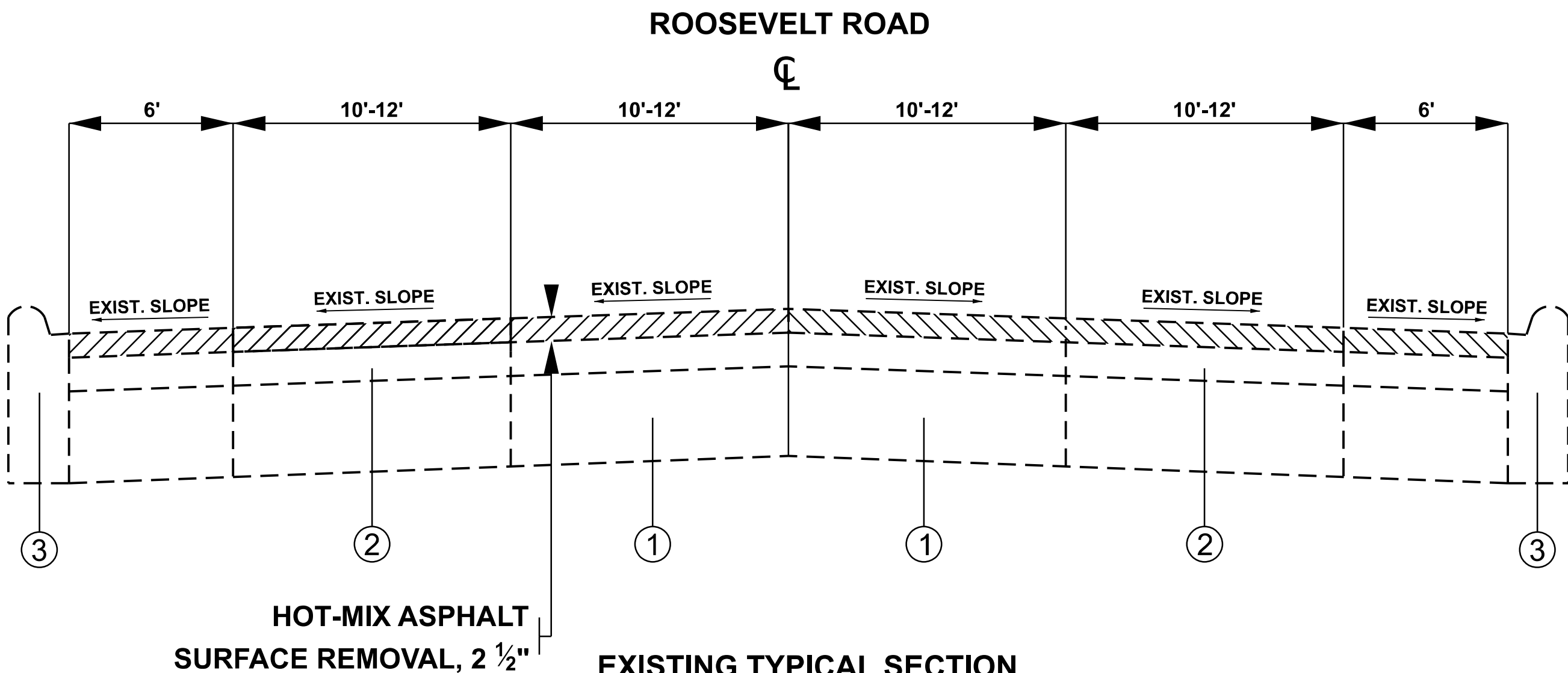
EXISTING TYPICAL SECTION
STATION:
55+00 TO 67+00
128+00 TO 136+00
168+00 TO 186+00

LEGEND - PROPOSED

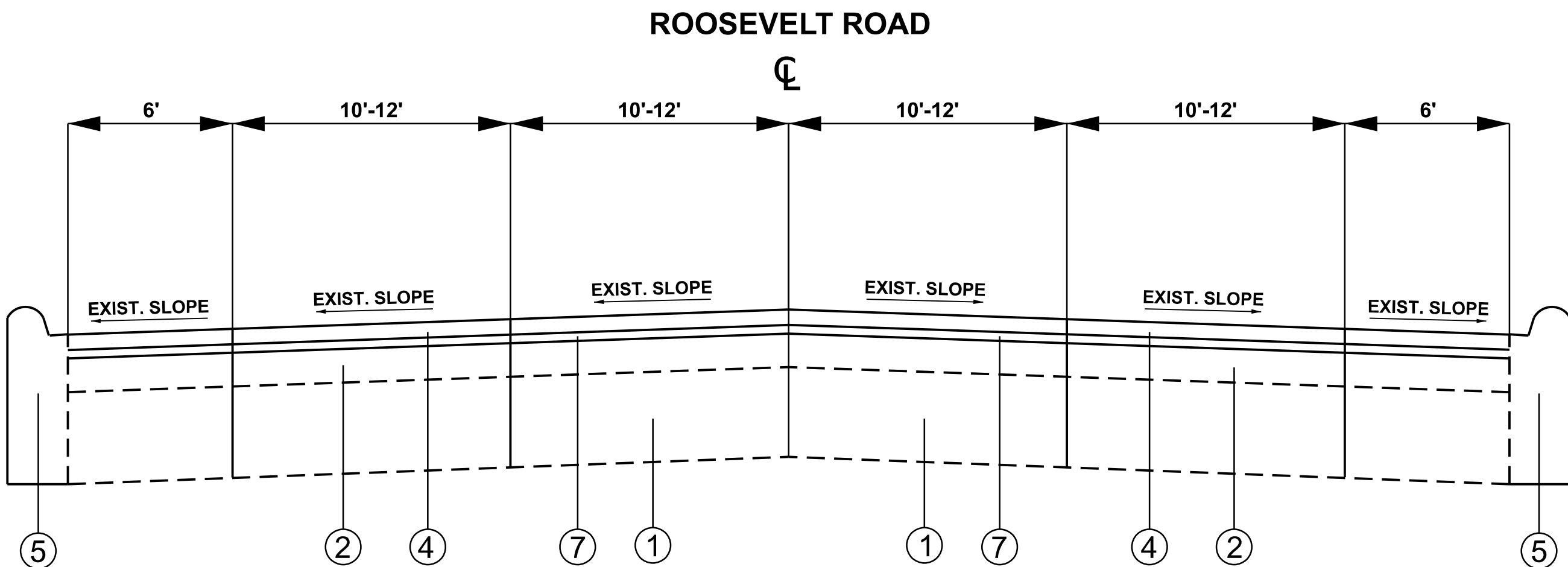
- ④ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80, 1 3/4"
- ⑤ COMBINATION CURB & GUTTER (REMOVAL & REPLACEMENT DETERMINED BY RE)
- ⑦ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"



PROPOSED TYPICAL SECTION
STATION:
55+00 TO 67+00
128+00 TO 136+00
168+00 TO 186+00



EXISTING TYPICAL SECTION
STATION:
43+00 TO 55+00
79+00 TO 122+00



PROPOSED TYPICAL SECTION
STATION:
43+00 TO 55+00
79+00 TO 122+00

MODEL: TYPICAL SECTION 2 (Sheet)
FILE NAME: c:\pawork\pawork\hamwi\11981780\12726-shh-typical.dgn

USER NAME	= mohammad.hamwi	DESIGNED	-
		DRAWN	-
		CHECKED	-
PLOT DATE	= 8/7/2026	DATE	-

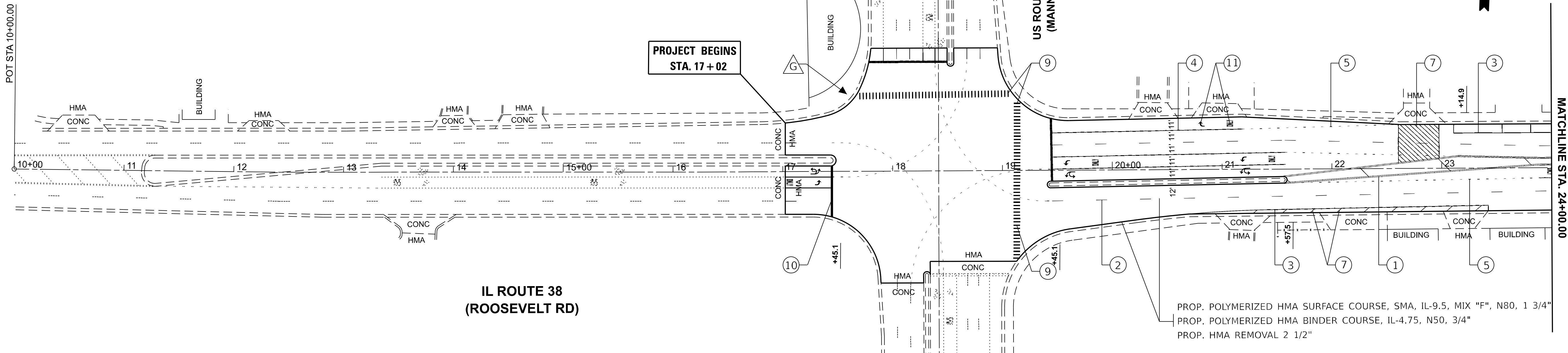
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE

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

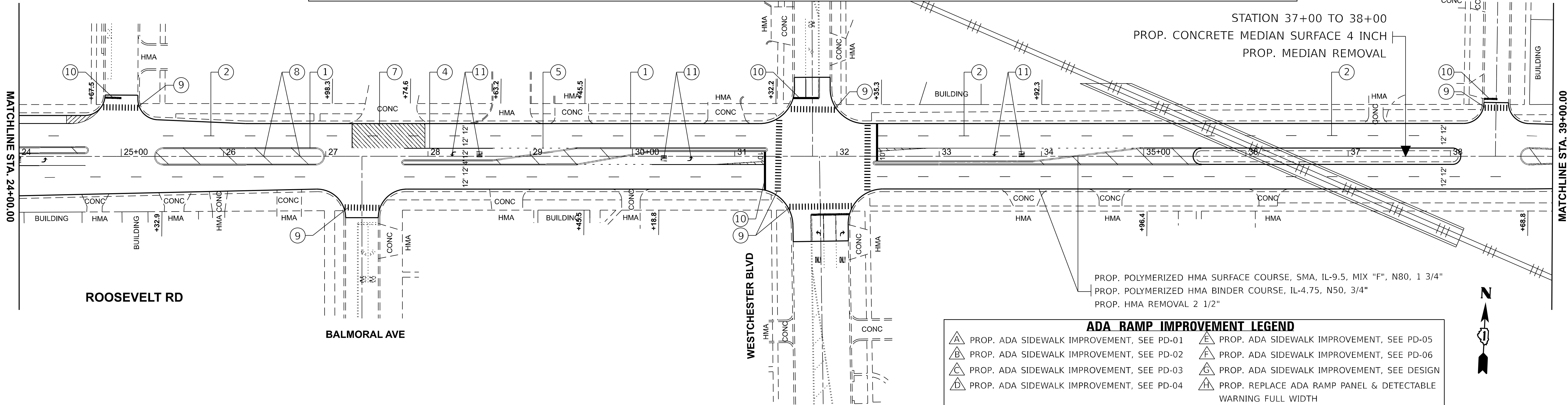
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	8
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

MODEL: RooseveltRd_E-Rdwy Plan 1 (Sheet)
FILE NAME: c:\p\work\road\hamwi\1198178\Roosevelt Rd.sht-plan.dgn



PAVEMENT MARKING LEGEND

- | | | | |
|---|--|---|--|
| ① | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C | ⑦ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE |
| ② | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE | ⑧ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW |
| ③ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", SOLID EDGE LINE, WHITE | ⑨ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK) |
| ④ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE | ⑩ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR) |
| ⑤ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE | ⑪ | PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE |
| ⑥ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE | | |



ADA RAMP IMPROVEMENT LEGEND

- | | | | |
|---|---|---|--|
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-01 | △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-05 |
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-02 | △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-06 |
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-03 | △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE DESIGN |
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-04 | △ | PROP. REPLACE ADA RAMP PANEL & DETECTABLE WARNING FULL WIDTH |

	USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
	DRAWN	-			REVISED	-
	CHECKED	-			REVISED	-
	DATE	-			REVISED	-
	PLOT DATE	= 8/12/2026				

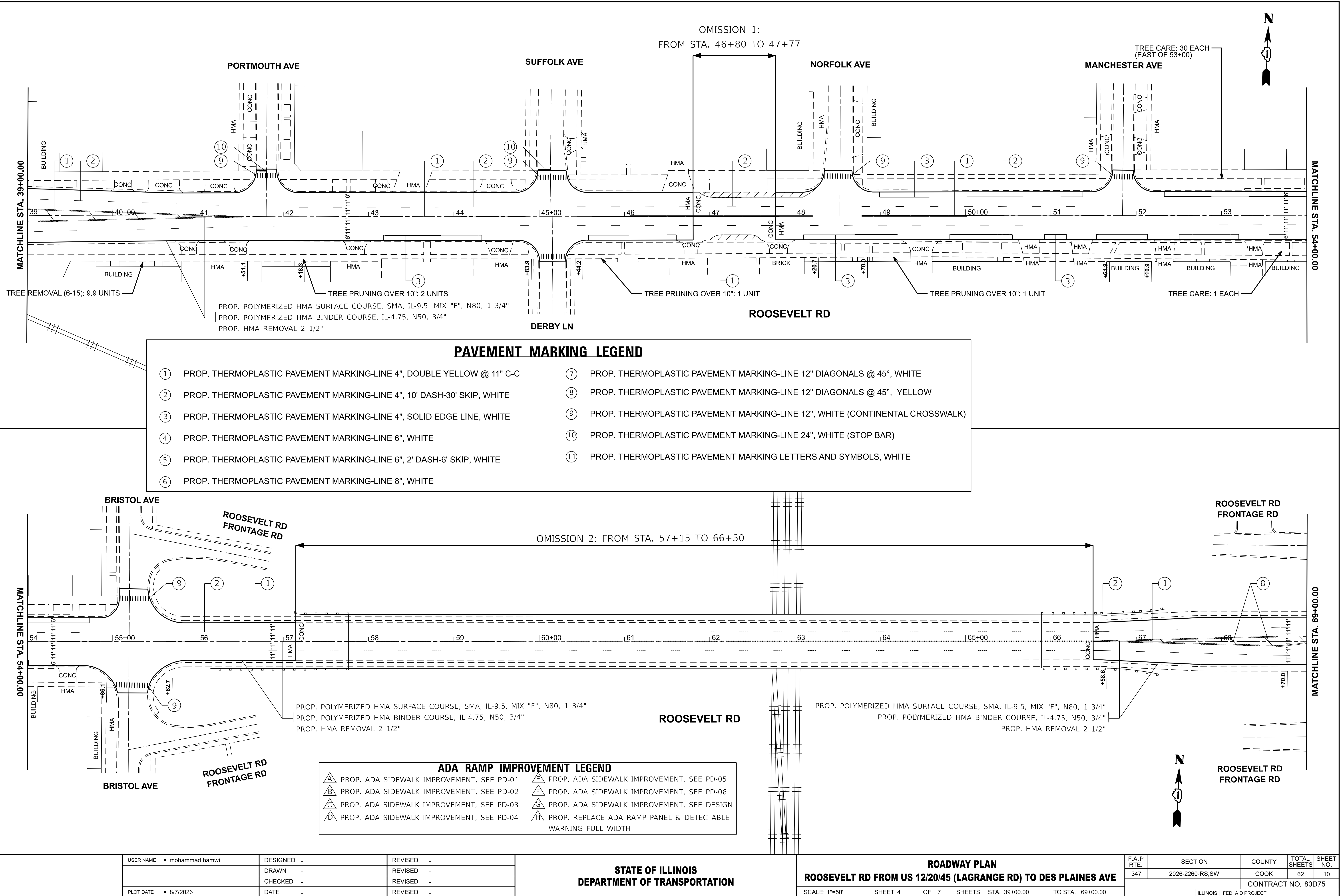
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE

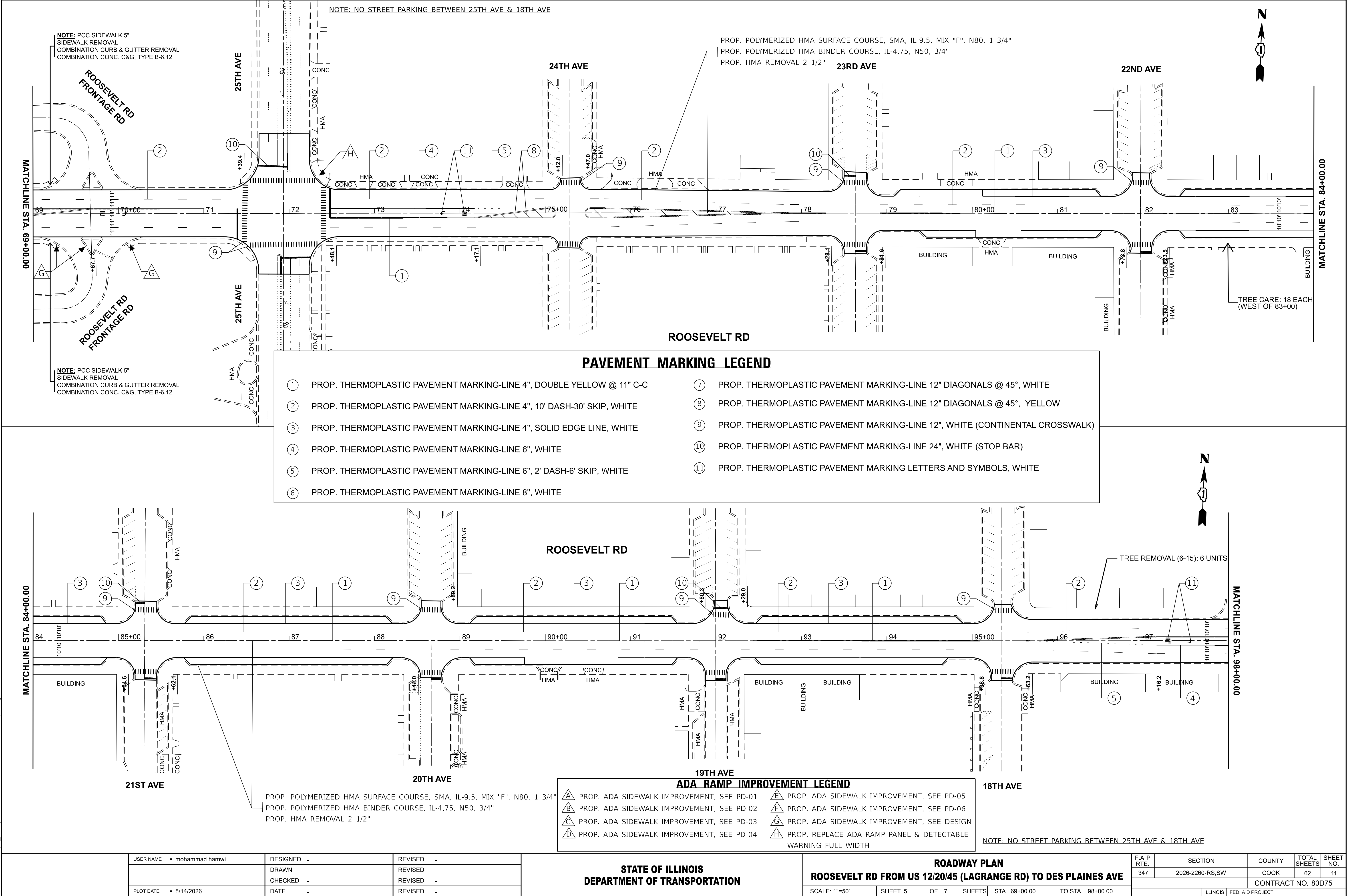
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	9
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

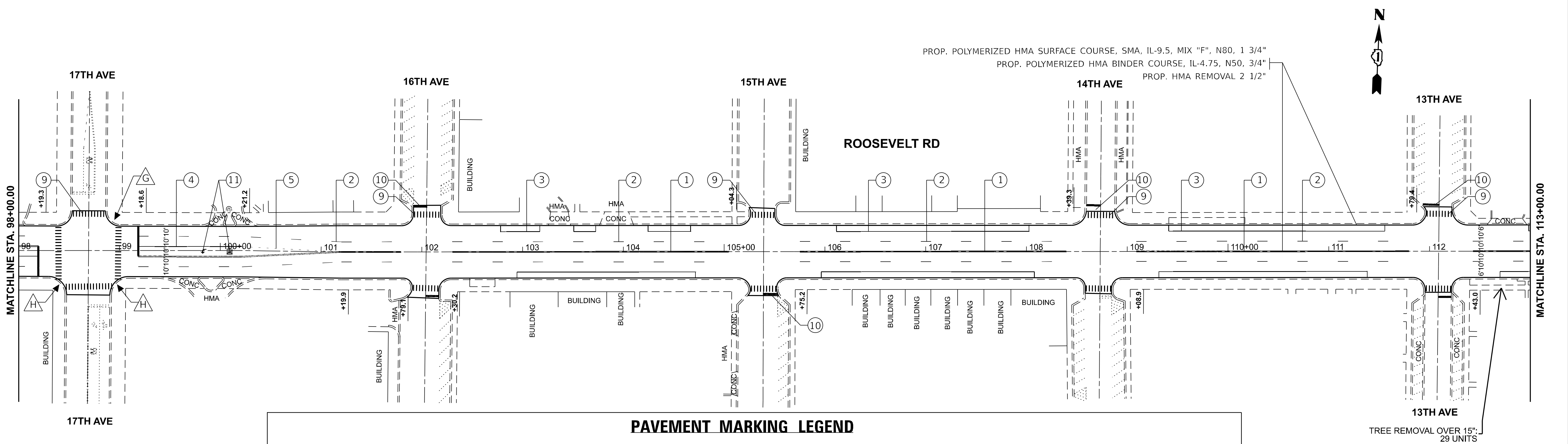
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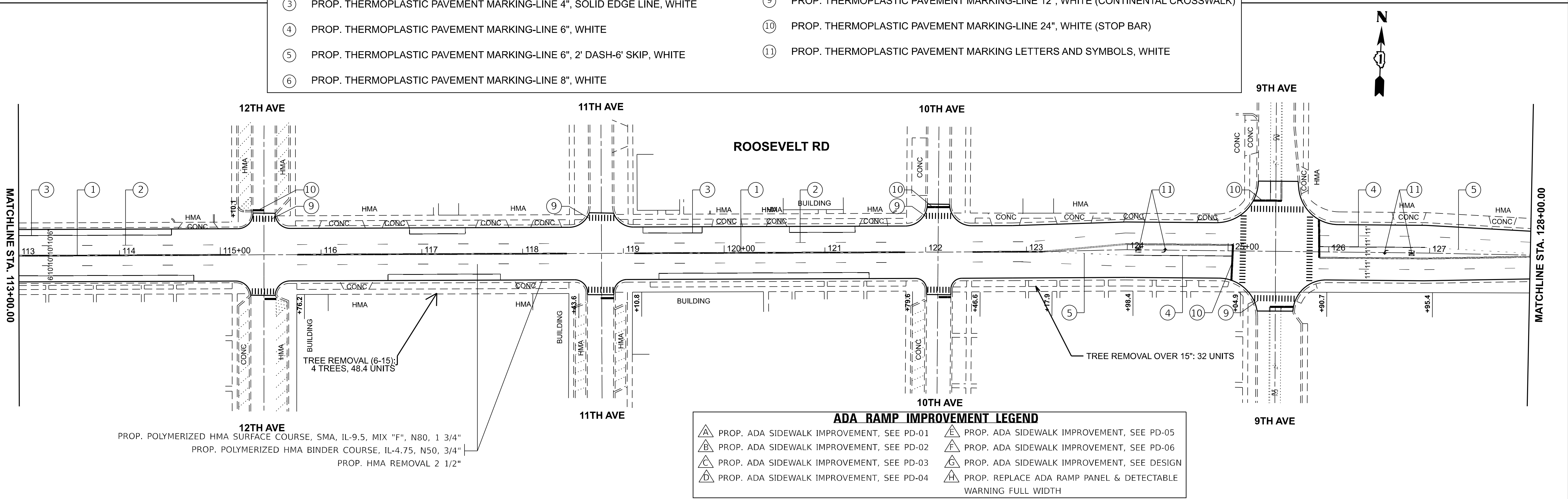


MODEL: RooseveltRd_E-Rdwy Plan 7 (Sheet)
FILE NAME: c:\pawork\pawork\hamwi\11981780\127726-sht-plan.dgn



PAVEMENT MARKING LEGEND

- | | | | |
|---|--|---|--|
| ① | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C | ⑦ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE |
| ② | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE | ⑧ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW |
| ③ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", SOLID EDGE LINE, WHITE | ⑨ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK) |
| ④ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE | ⑩ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR) |
| ⑤ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE | ⑪ | PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE |
| ⑥ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE | | |



ADA RAMP IMPROVEMENT LEGEND

- | | | | |
|---|---|---|--|
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-01 | △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-05 |
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-02 | △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-06 |
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-03 | △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE DESIGN |
| △ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-04 | △ | PROP. REPLACE ADA RAMP PANEL & DETECTABLE WARNING FULL WIDTH |

PROP. POLYMERIZED HMA SURFACE COURSE, SMA, IL-9.5, MIX "F", N80, 1 3/4"
PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
PROP. HMA REMOVAL 2 1/2"

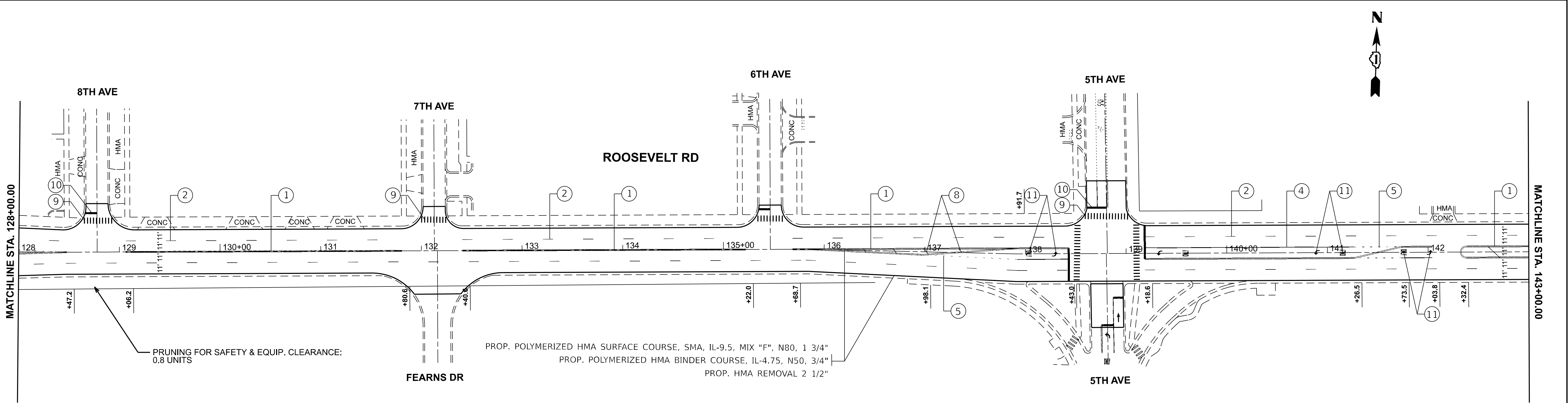
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE

SCALE: 1"=50' SHEET 6 OF 7 SHEETS STA. 98+00.00 TO STA. 128+00.00

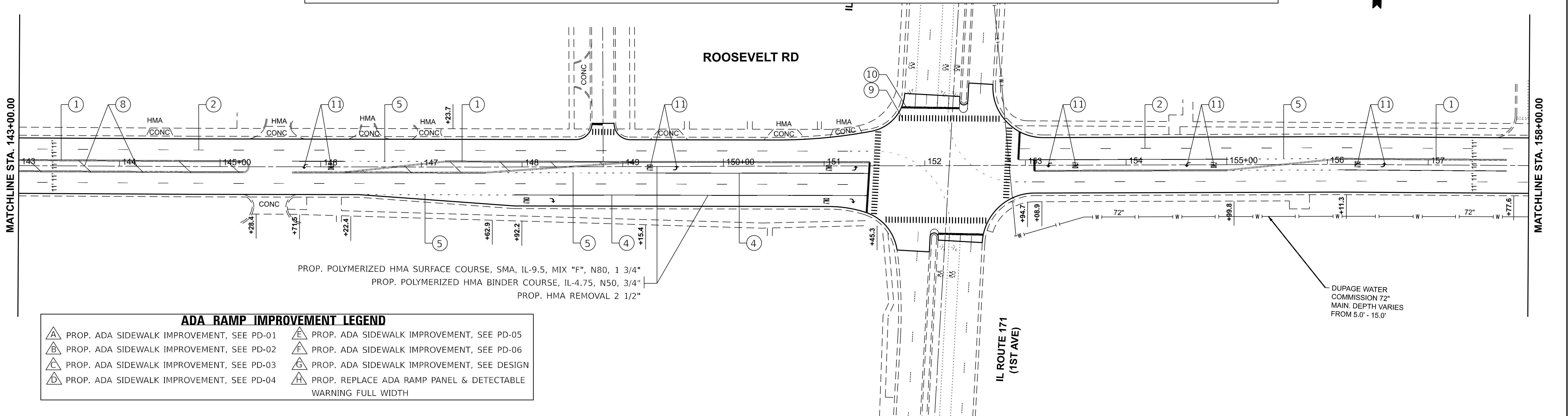
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	12
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

MODEL: RooseveltRd_E-Rdwy Plan 9 (Sheet)
FILE NAME: c:\pdx_work\pdx\road\hamwi\1198178D\127726-shh-plan.dgn



PAVEMENT MARKING LEGEND

- | | | | |
|---|--|---|--|
| ① | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C | ⑦ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE |
| ② | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE | ⑧ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW |
| ③ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", SOLID EDGE LINE, WHITE | ⑨ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK) |
| ④ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE | ⑩ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR) |
| ⑤ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE | ⑪ | PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE |
| ⑥ | PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE | | |



ADA RAMP IMPROVEMENT LEGEND

- | | | | |
|---|---|---|--|
| Ⓐ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-01 | Ⓔ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-05 |
| Ⓑ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-02 | Ⓕ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-06 |
| Ⓒ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-03 | Ⓖ | PROP. ADA SIDEWALK IMPROVEMENT, SEE DESIGN |
| Ⓓ | PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-04 | Ⓗ | PROP. REPLACE ADA RAMP PANEL & DETECTABLE WARNING FULL WIDTH |

	USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-	MH	8/31/2026
	DRAWN	-			REVISED	-		
	CHECKED	-			REVISED	-		
	PLOT DATE	= 8/29/2026	DATE	-	REVISED	-		

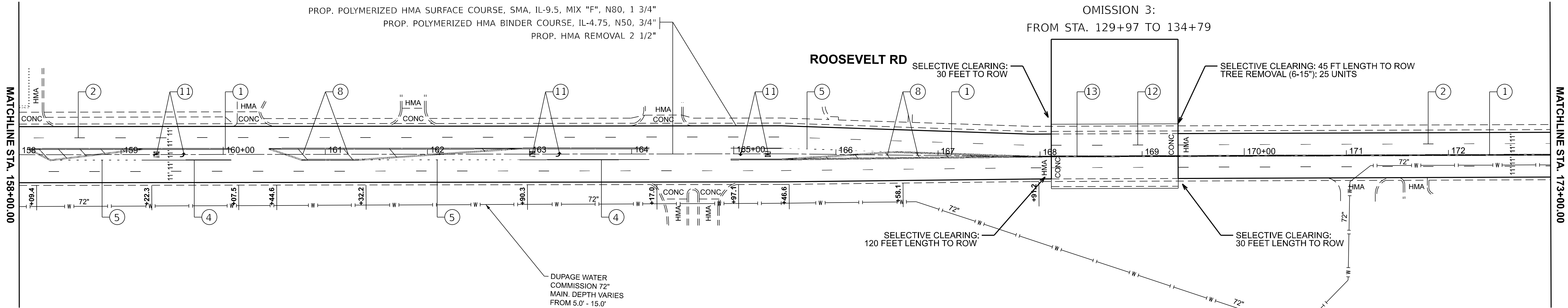
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE

SCALE: 1"=50' SHEET 7 OF 7 SHEETS STA. 128+00.00 TO STA. 158+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	13
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

MODEL: RooseveltRd_E-Rdwy Plan 11 [Sheet]
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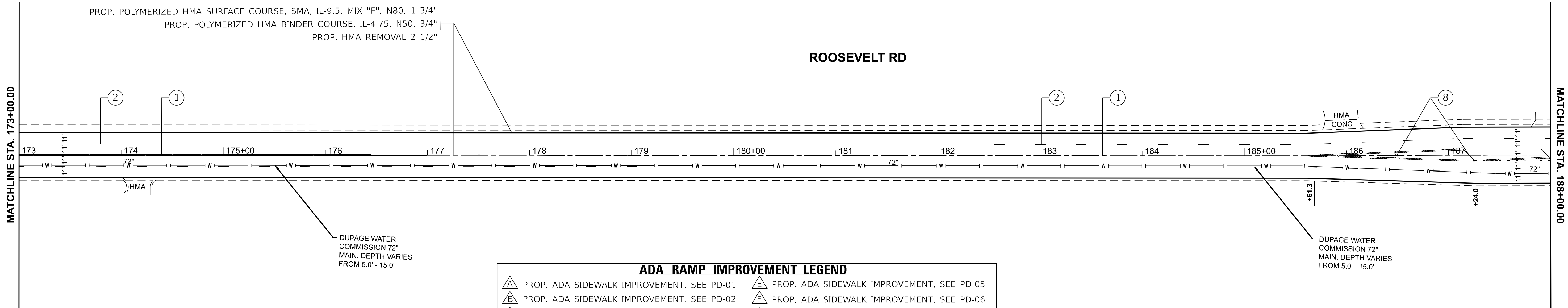


PAVEMENT MARKING LEGEND

- | | |
|--|--|
| ① PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C | ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE |
| ② PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE | ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW |
| ③ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", SOLID EDGE LINE, WHITE | ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK) |
| ④ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE | ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR) |
| ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE | ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE |
| ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE | |

MODIFIED URETHANE MARKING LEGEND

- | |
|--|
| ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.) |
| ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) |



ADA RAMP IMPROVEMENT LEGEND

- | | |
|---|--|
| △ PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-01 | △ PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-05 |
| △ PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-02 | △ PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-06 |
| △ PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-03 | △ PROP. ADA SIDEWALK IMPROVEMENT, SEE DESIGN |
| △ PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-04 | △ PROP. REPLACE ADA RAMP PANEL & DETECTABLE WARNING FULL WIDTH |

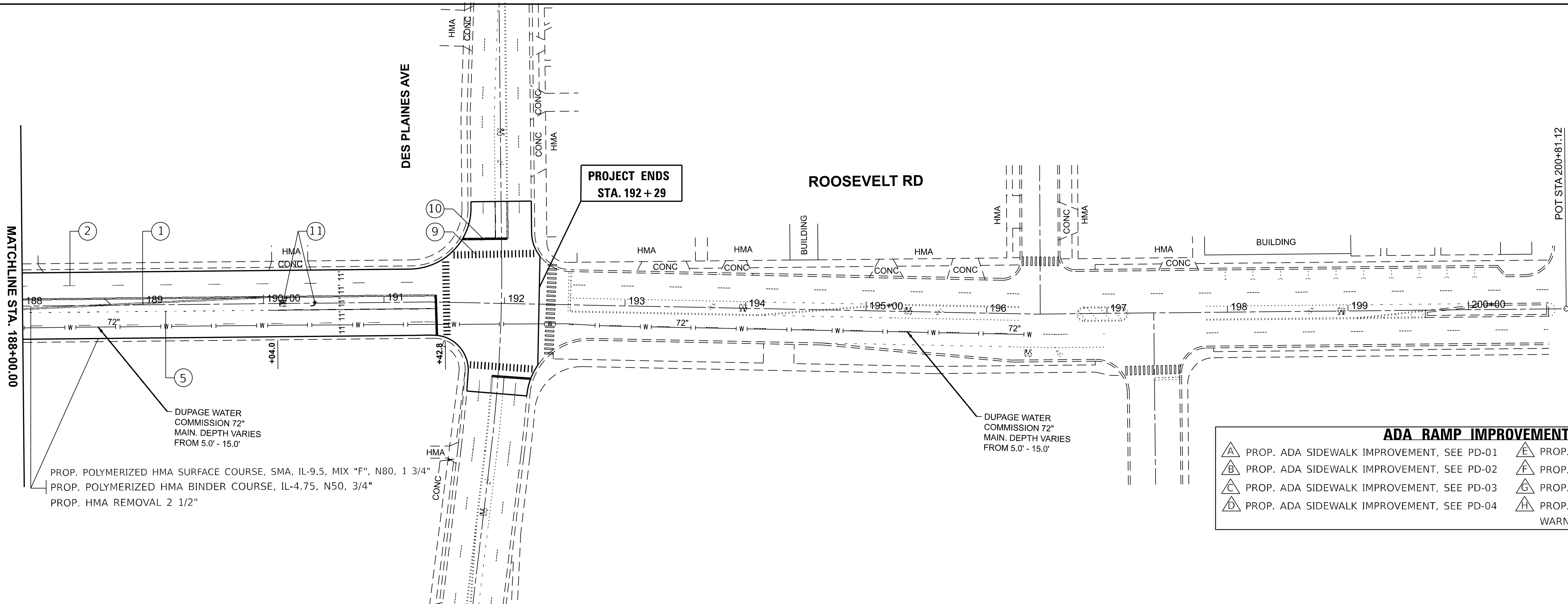
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE

SCALE: 1"=50' SHEET 2 OF 7 SHEETS STA. 158+00.00 TO STA. 188+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	14
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

MODEL: RooseveltRd_E-Rdwy Plan 13 [Sheet]
FILE NAME: c:\pwworking\dwg\hamwi\11981780\127726-shh-plan.dgn



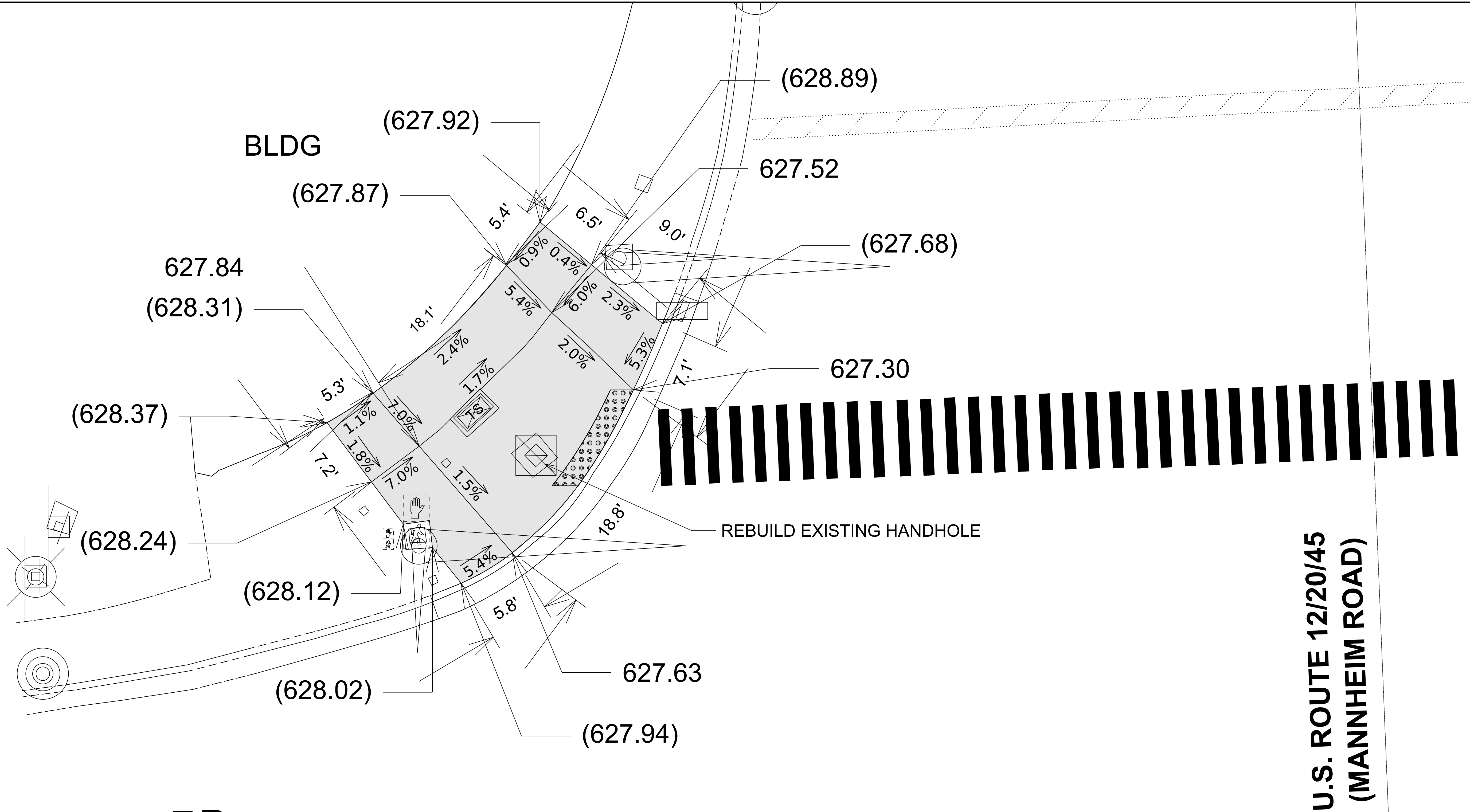
ADA RAMP IMPROVEMENT LEGEND	
	PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-01
	PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-02
	PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-03
	PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-04
	PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-05
	PROP. ADA SIDEWALK IMPROVEMENT, SEE PD-06
	PROP. ADA SIDEWALK IMPROVEMENT, SEE DESIGN
	PROP. REPLACE ADA RAMP PANEL & DETECTABLE WARNING FULL WIDTH

PAVEMENT MARKING LEGEND	
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", DOUBLE YELLOW @ 11" C-C
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", 10' DASH-30' SKIP, WHITE
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", SOLID EDGE LINE, WHITE
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", WHITE
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 6", 2' DASH-6' SKIP, WHITE
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, WHITE
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12" DIAGONALS @ 45°, YELLOW
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (CONTINENTAL CROSSWALK)
	PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 24", WHITE (STOP BAR)
	PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS, WHITE

	USER NAME		* mohammad.hamwi	DESIGNED		-	REVISED		- MH 8/31/2026	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN		-	CHECKED		-	REVISED		-		ROOSEVELT RD FROM US 12/20/45 (LAGRANGE RD) TO DES PLAINES AVE		347	2026-2260-RS,SW	COOK	62	15
	PLOT DATE		= 8/29/2026	DATE		-	REVISED		-		SCALE: 1"=50'	SHEET 3	OF 7 SHEETS	STA. 188+00.00	TO STA. 203+00.00	CONTRACT NO. 80D75	
															ILLINOIS	FED. AID PROJECT	

MODEL: NW Roosevelt and Mannheim [Sheet]
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ROOSEVELT RD.



DESIGNER NOTES

BENCHMARK REFERENCE ELEVATION: 628.728
BENCHMARK: # 1752 628.728 EL. SQUARE AT NW CORNER AT TCB AT SW CORNER @ IL-38 & MANNHEIM RD
LOCATION: NORTHWEST CORNER OF ROOSEVELT ROAD & US-12/20/45 (MANNHEIM ROAD)

LEGEND

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

CONSTRUCTION NOTES

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

USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/6/2026	DATE	-	REVISED	-

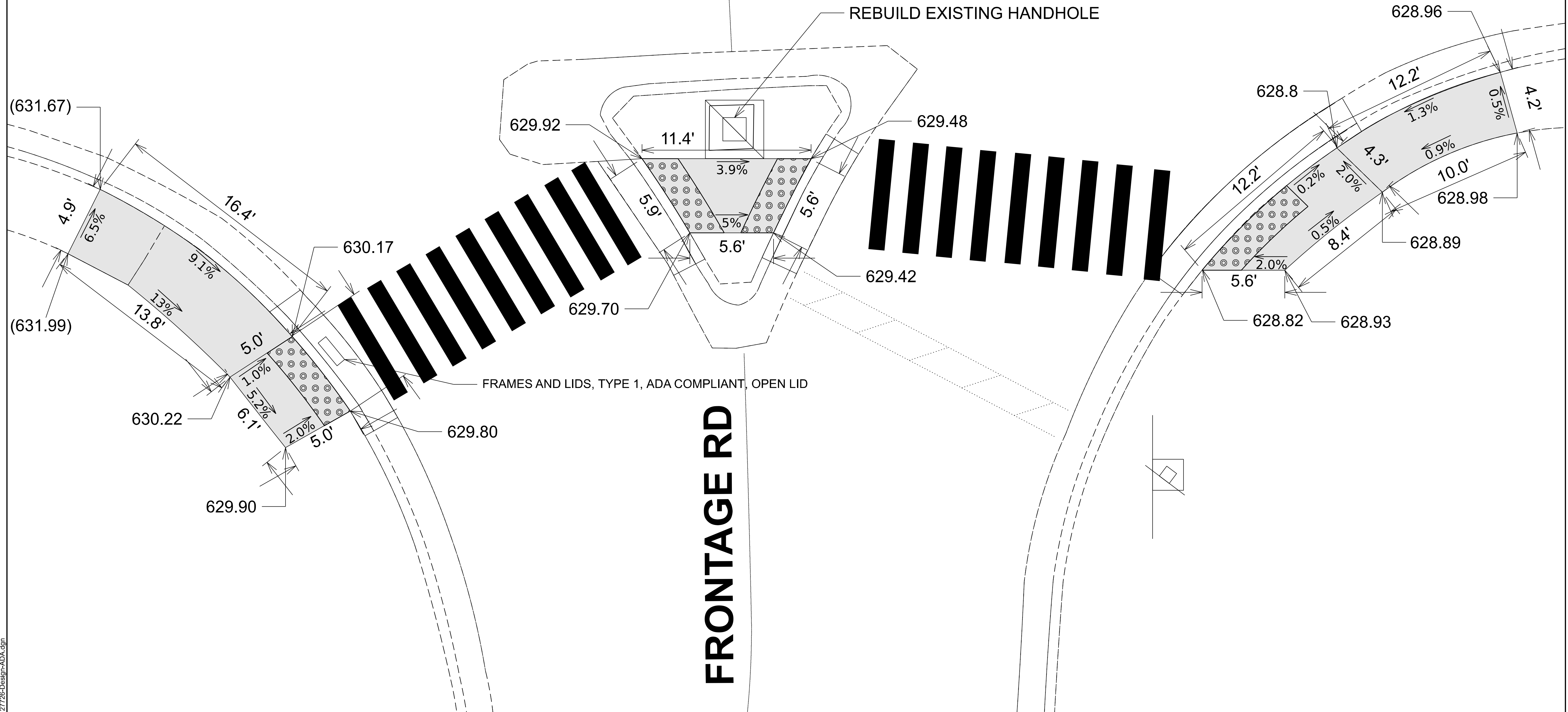
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP IMPROVEMENT
NORTHWEST CORNER OF ROOSEVELT RD & US 12/20/45 (MANNHEIM RD)

SCALE: SHEET 1 OF 3 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	16
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

ROOSEVELT RD.



DESIGNER NOTES

BENCHMARK REFERENCE ELEVATION: 633.678

BENCHMARK: # 2749 EL. 633.678 SQUARE AT NORTHEAST CORNER AT HH +/- 72.8 FEET FROM CP AT NORTHEAST CORNER AT IL-38 & SOUTH FRONTAGE RD

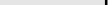
LOCATION: SW, SE AND SOUTHERN ISLAND OF ROOSEVELT ROAD & FRONTAGE ROAD

LEGEND

XX.XX' EXISTING LENGTH

===== PROPOSED SIDE CURB

() **EXISTING ELEVATION/SLOPE**



 PROPOSED SIDEWALK



DETECTABLE WARNINGS

 **SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD**

CONSTRUCTION NOTES

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

2) MATCH EXISTING SIDEWALK WIDTH.

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/7/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP IMPROVEMENT
SW, SE & SOUTH ISLAND AT ROOSEVELT ROAD & FRONTAGE ROAD

SCALE:	SHEET 2 OF 3 SHEETS	STA. 0+00.00 TO STA. 0+00.00
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	17
		CONTRACT NO. 80D75		
		ILLINOIS	FED. AID PROJECT	

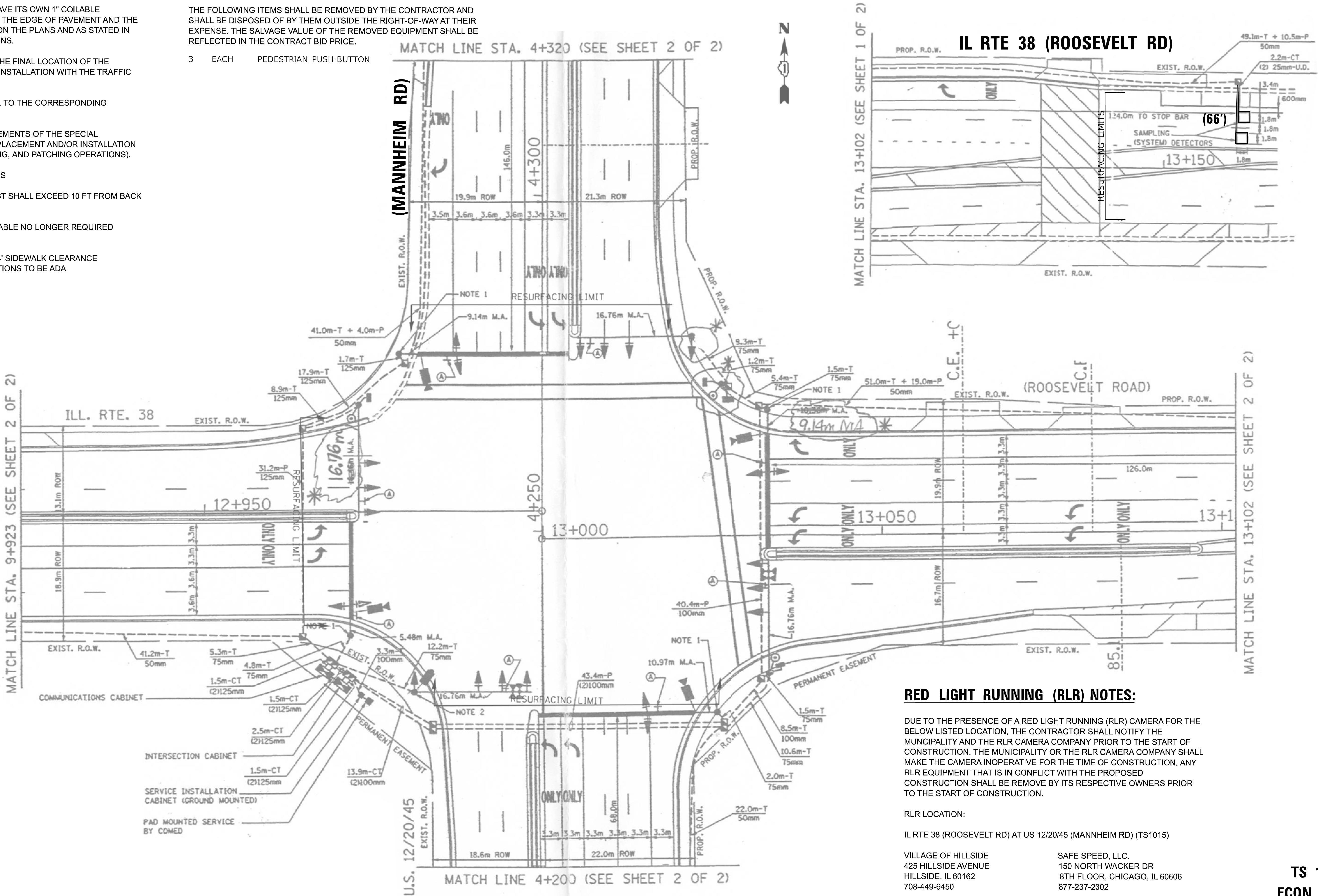
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NOTES:

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.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT

REMOVAL NOTES:

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



RED LIGHT RUNNING (RLR) NOTES:

DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA FOR THE BELOW LISTED LOCATION, THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND THE RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE MUNICIPALITY OR THE RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVE BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

RLR LOCATION:

IL RTE 38 (ROOSEVELT RD) AT US 12/20/45 (MANNHEIM RD) (TS1015)

VILLAGE OF HILLSIDE
425 HILLSIDE AVENUE
HILLSIDE, IL 60162
708-449-6450

SAFE SPEED, LLC.
150 NORTH WACKER DR
8TH FLOOR, CHICAGO, IL 60606
877-237-2302

TS 1015
ECON 103

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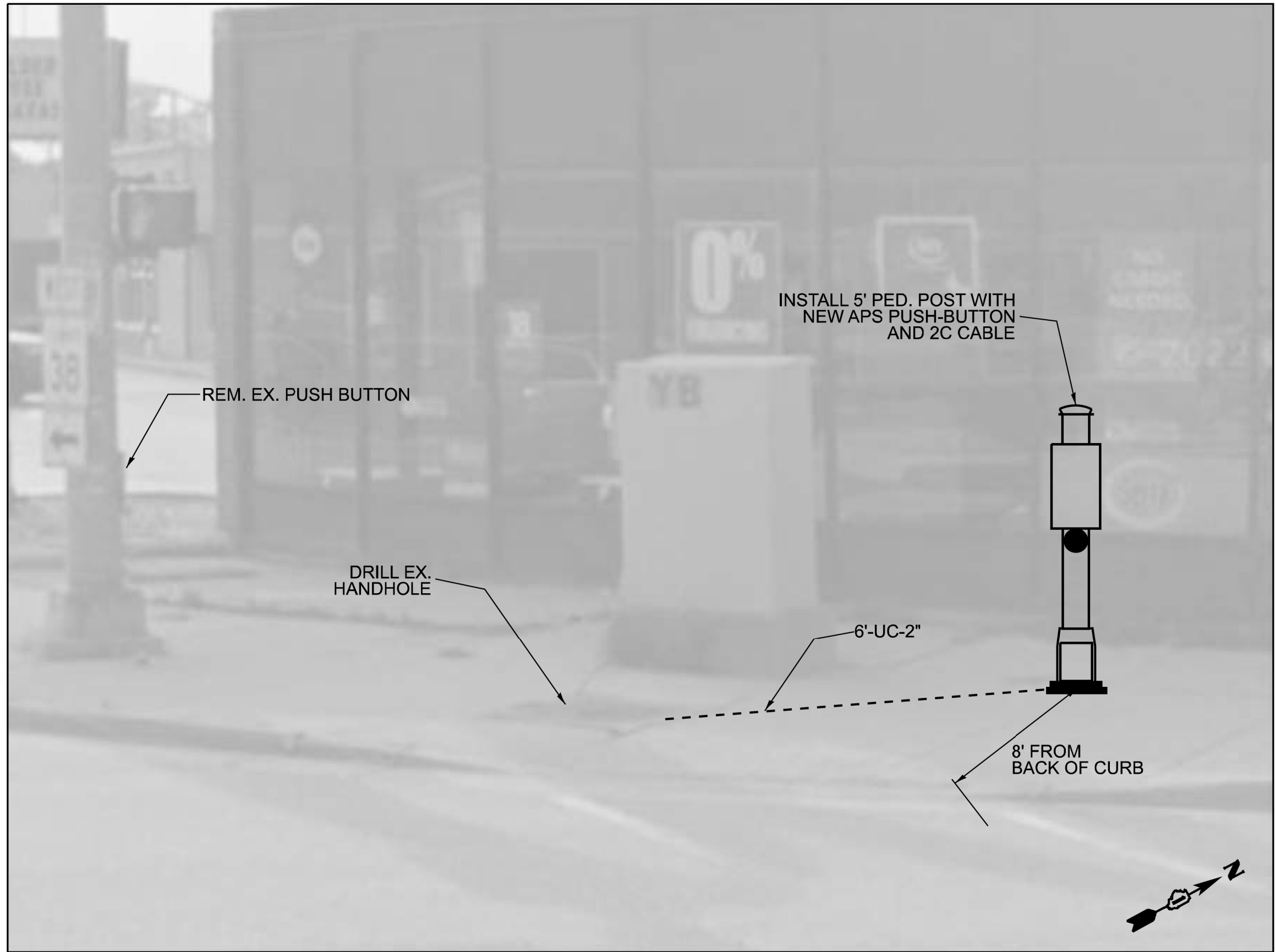
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			DRAWN	-	REVISED	-
			CHECKED	-	REVISED	-
	PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 2)
ROOSEVELT ROAD AT US-12/20/45 (MANNHEIM ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	19
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER



NORTHEAST CORNER



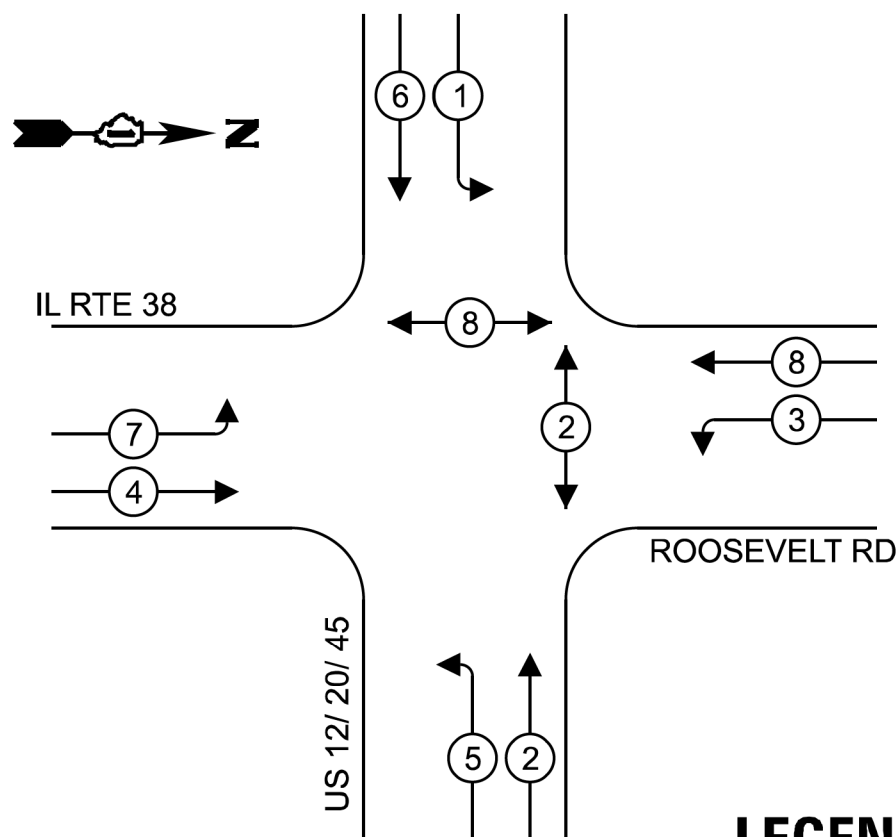
SOUTHEAST CORNER

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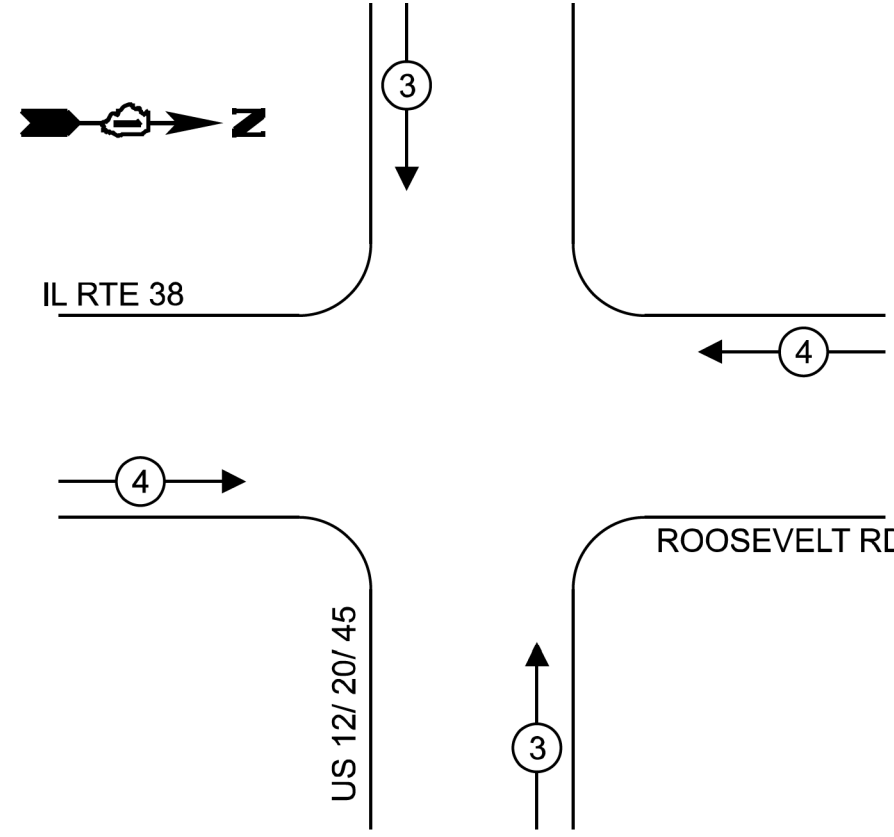
**TS 1015
ECON 103**

	USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 2 OF 2) ROOSEVELT ROAD AT US-12/20/45 (MANNHEIM ROAD)	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
			DRAWN	-	REVISED	-			347	2026-2260-RS,SW	COOK	62	20		
			CHECKED	-	REVISED	-			CONTRACT NO. 80D75						
	PLOT DATE	= 8/7/2026	DATE	-	REVISED	-									
	SCALE:		SHEET		OF				SHEETS		STA.		TO STA.		
												ILLINOIS		FED. AID PROJECT	

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

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

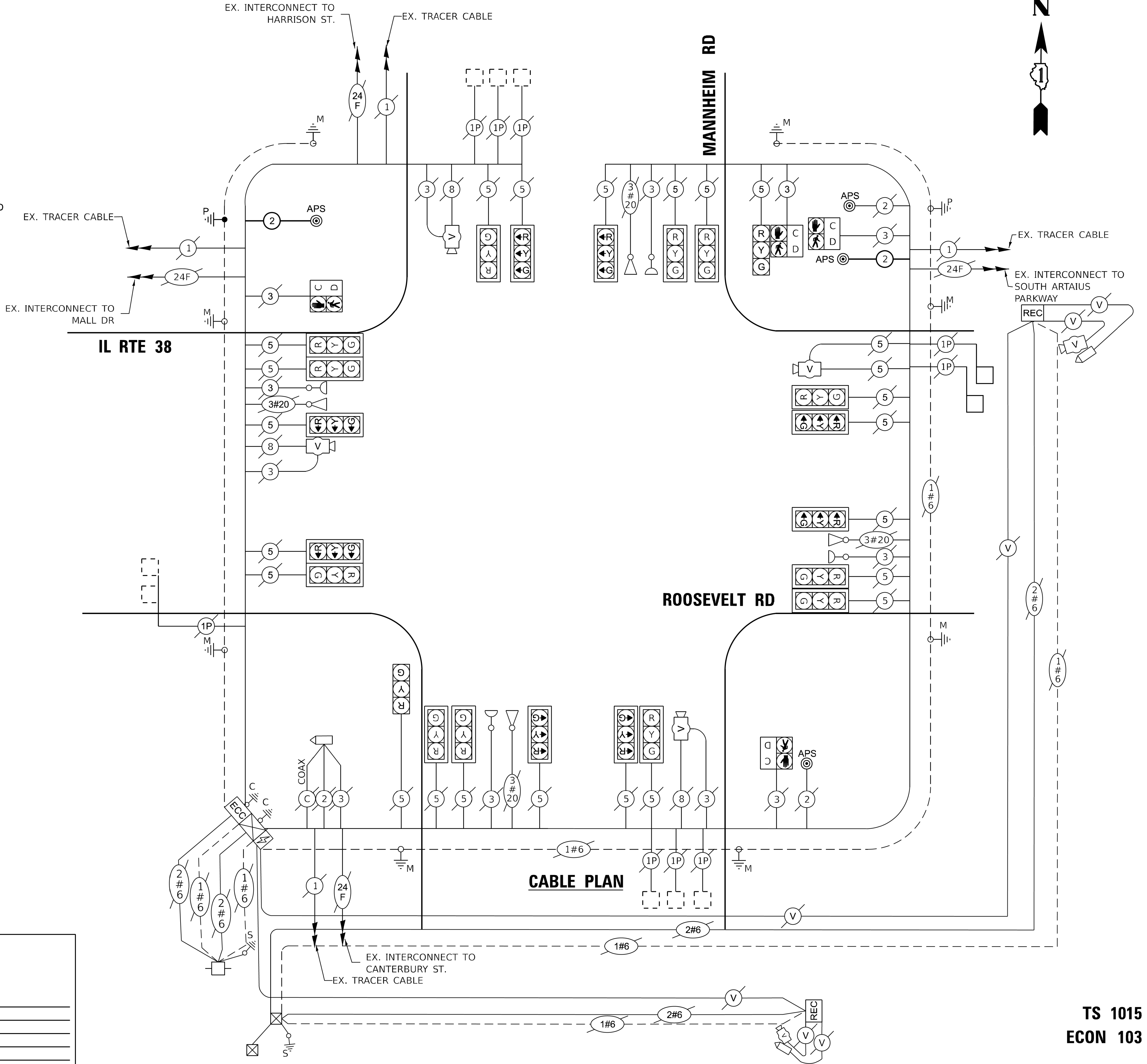
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	6
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	681
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	237
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	66
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	217
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	FOOT	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	21	11	231
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION VIDEO	4	20	80
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING		546	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1151	

ENERGY COSTS TO:	
VILLAGE OF HILLSIDE	
425 HILLSIDE AVENUE	
HILLSIDE, IL 60162	
ENERGY SUPPLY:	CONTACT: ERICKA IRBY
	PHONE: 779-231-0633
	COMPANY: COMED
ACCOUNT NUMBER:	10700-67000
METER NUMBER:	230148793



TS 1015
ECON 103

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
& EMERGENCY VEHICLE PREEMPTION SEQUENCE
(ROOSEVELT ROAD) AT US-12/20/45 (MANNHEIM ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	21
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

REMOVAL AND RELOCATION NOTES:

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

- 8

EACH

PEDESTRIAN PUSH-BUTTON
- 2

EACH

EX. CONCRETE FOUNDATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED PED POST

- 1

EACH

PEDESTRIAN SIGNAL HEAD
- 1

EACH

5-SECTION, SIGNAL HEAD
- 2

EACH

TRAFFIC SIGNAL POST, 16'
- 4

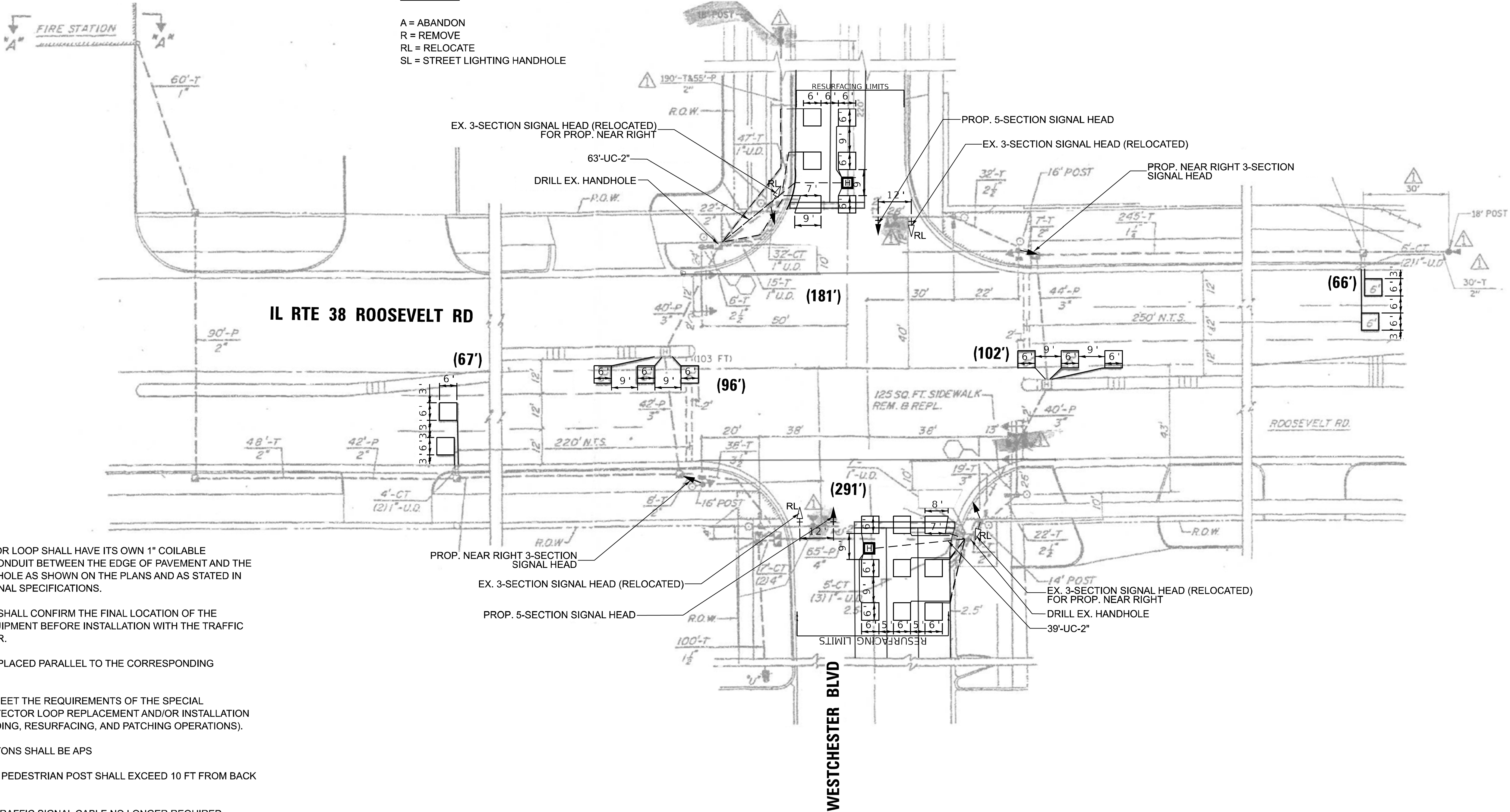
EACH

3-SECTION, SIGNAL HEAD

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY EXISTING SIGNS FROM THE MAST ARM ASSEMBLIES AND POSTS THAT ARE TO BE REMOVED AND TRANSFER THEM TO THE PROPOSED MAST ARM ASSEMBLIES AND POSTS PER THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR UNDER THE PAY ITEM "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT"

LEGEND

- A = ABANDON
- R = REMOVE
- RL = RELOCATE
- SL = STREET LIGHTING HANDHOLE



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.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

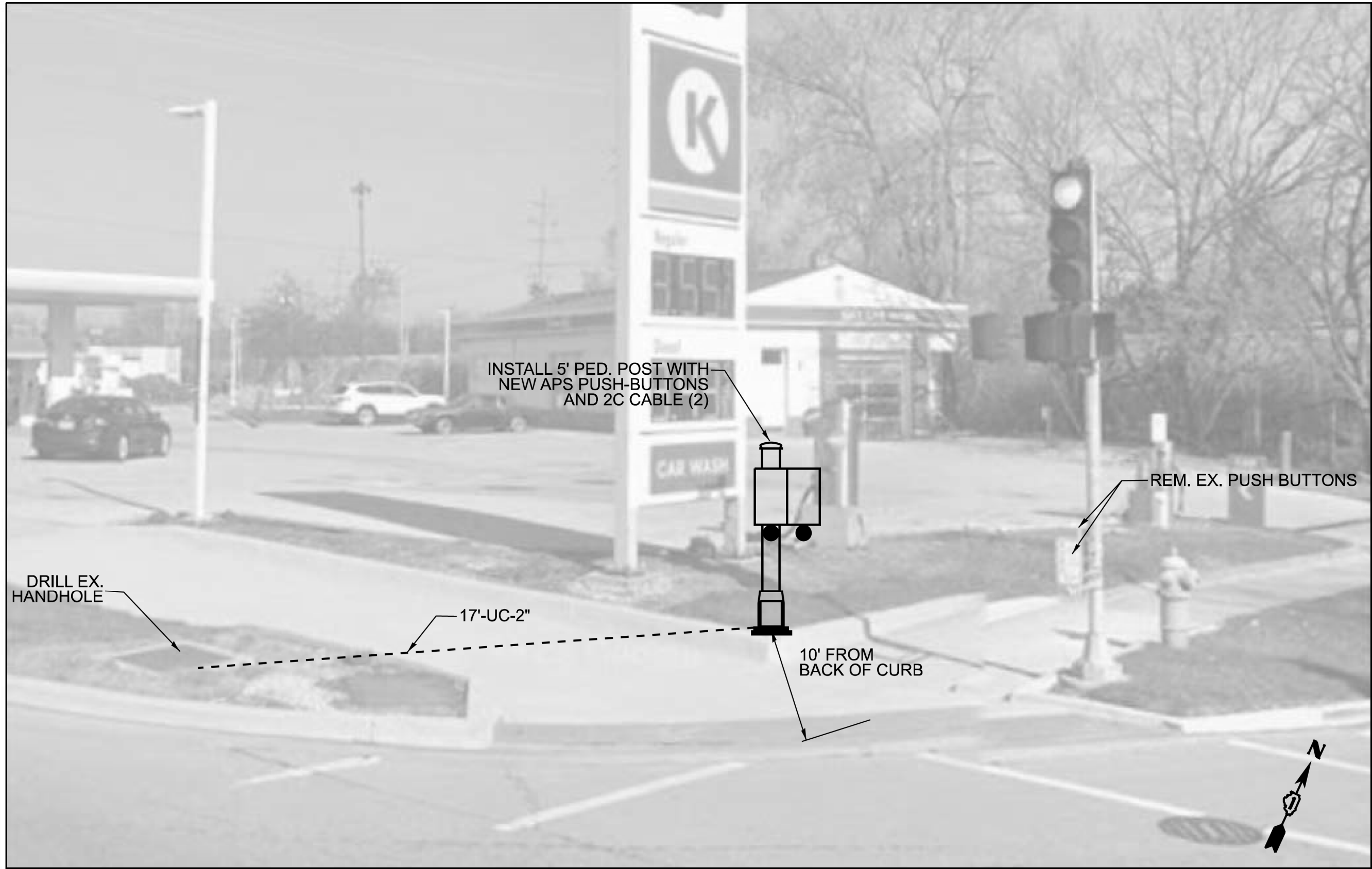
TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 2)
ROOSEVELT ROAD AT WESTCHESTER BLVD

TS 15110
ECON 107

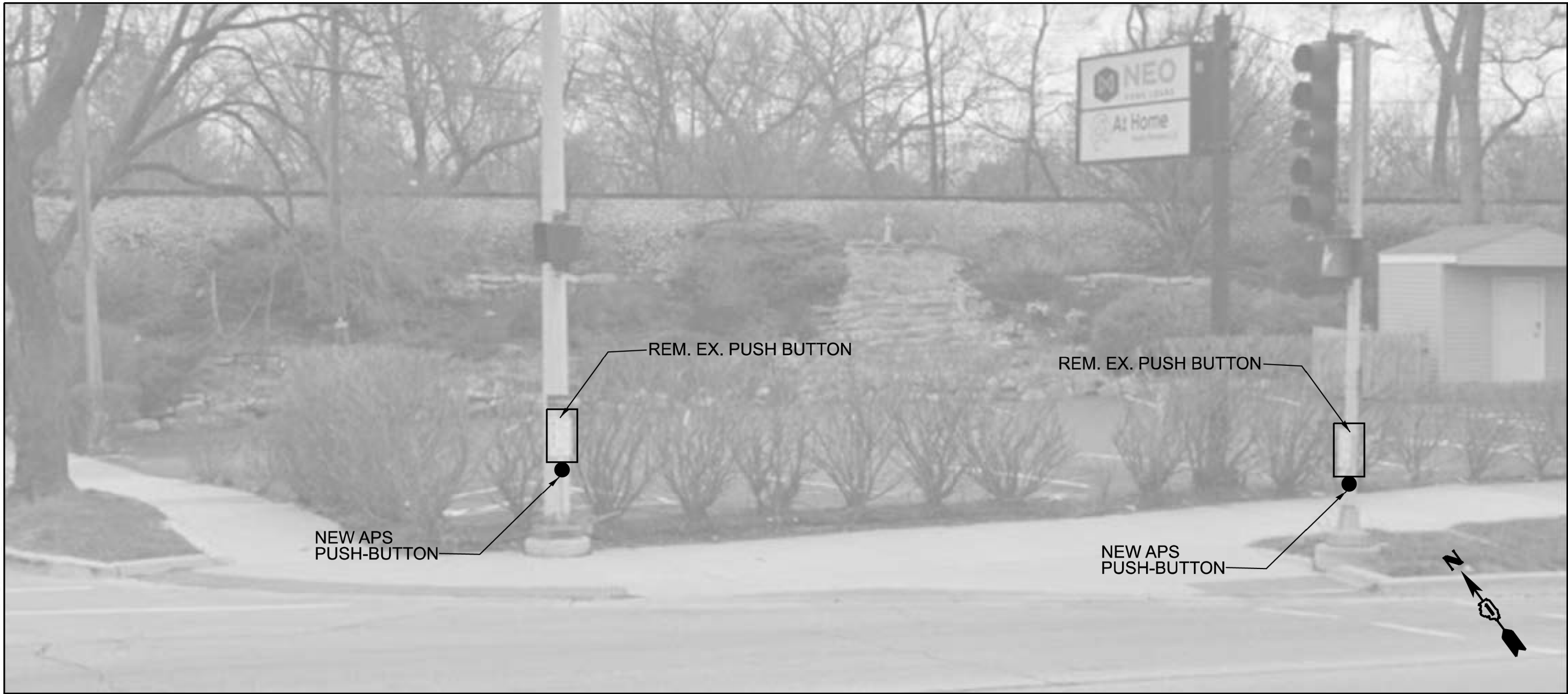
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		DATE	-	REVISED	-
PLOT DATE	= 8/7/2026				

SCALE: SHEET OF SHEETS STA. TO STA.

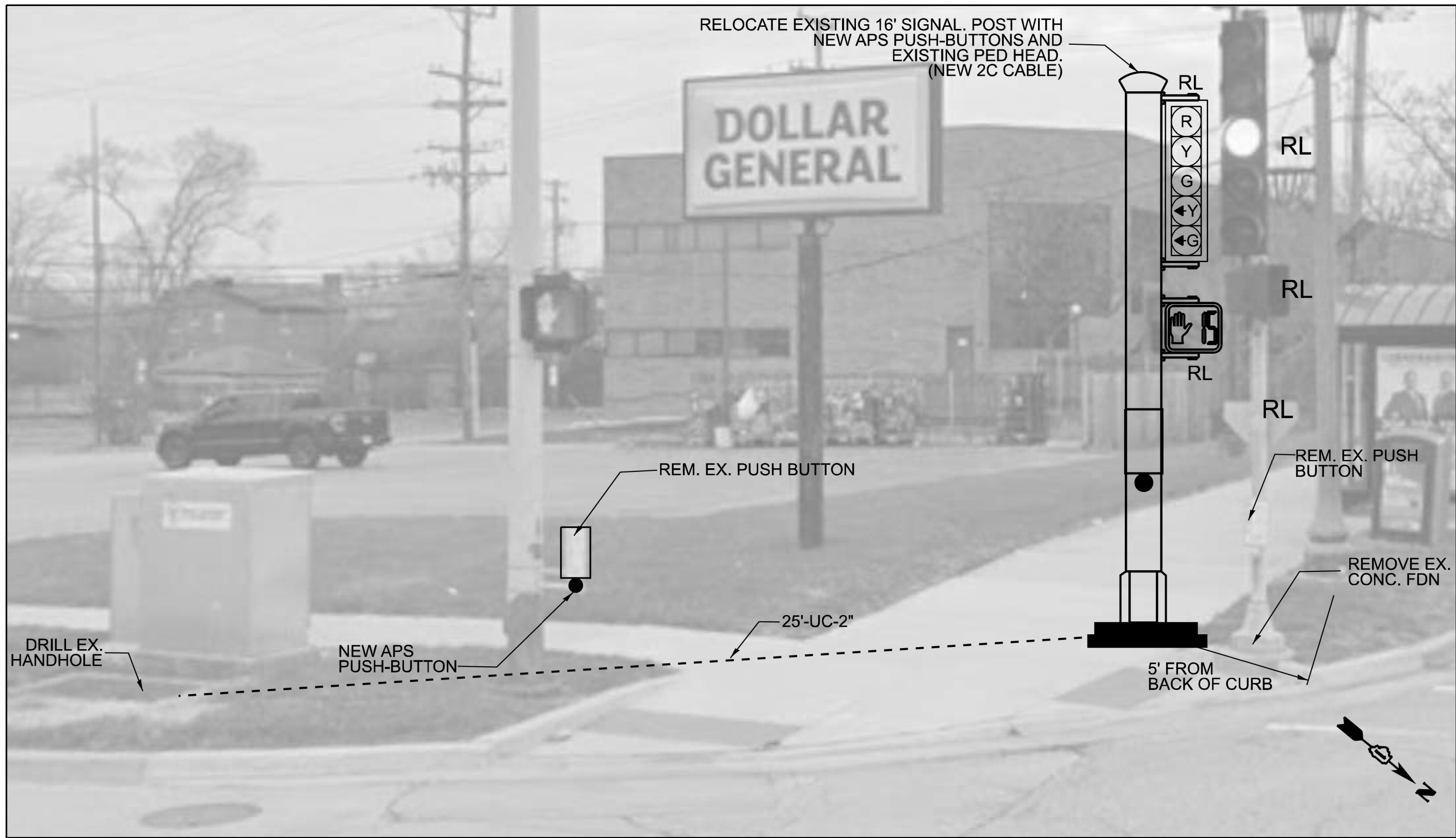
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347	2026-2260-RS,SW	COOK	62	22
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				



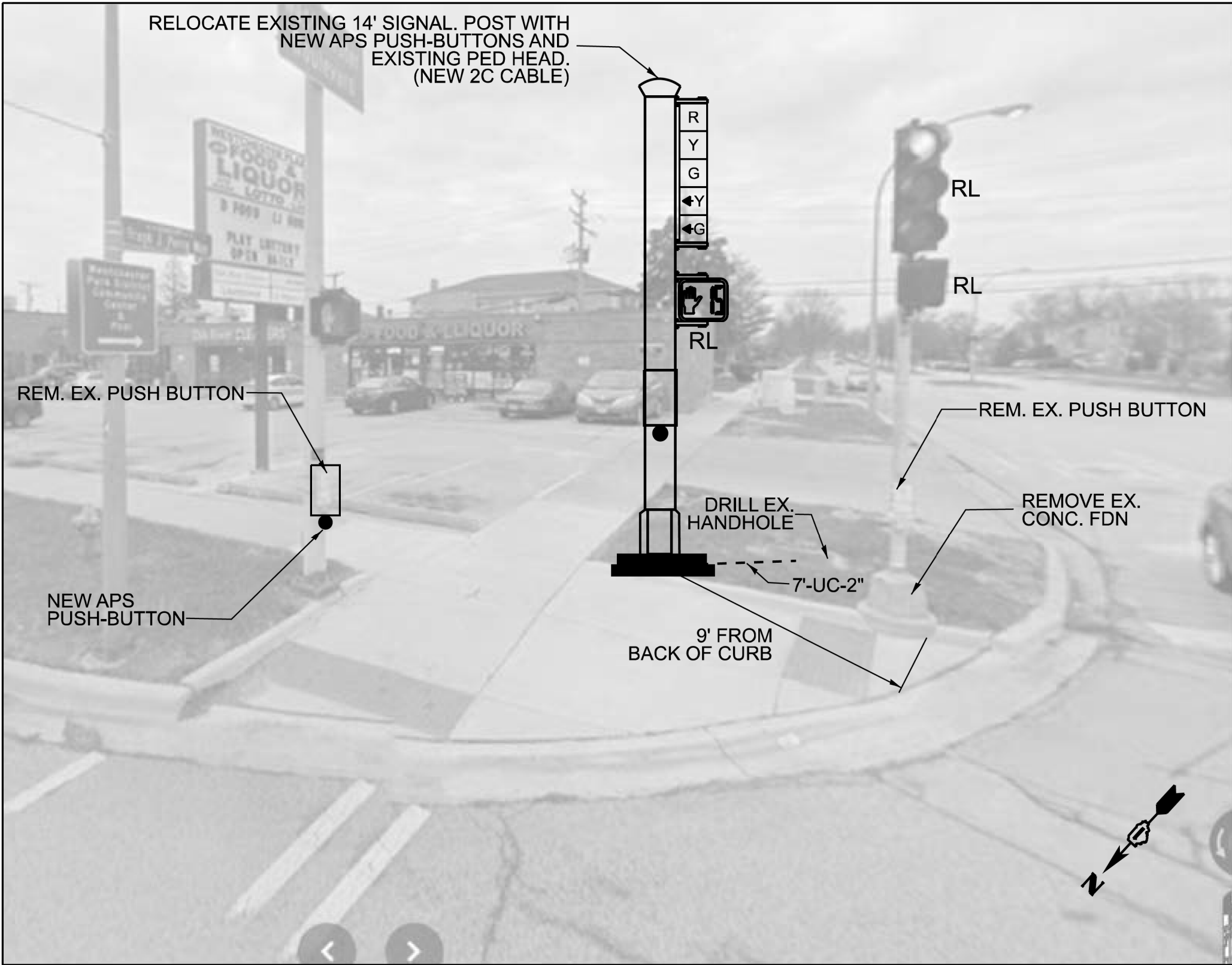
NORTHWEST CORNER



NORTHEAST CORNER



SOUTHWEST CORNER



SOUTHEAST CORNER

**TS 15110
ECON 107**

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USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

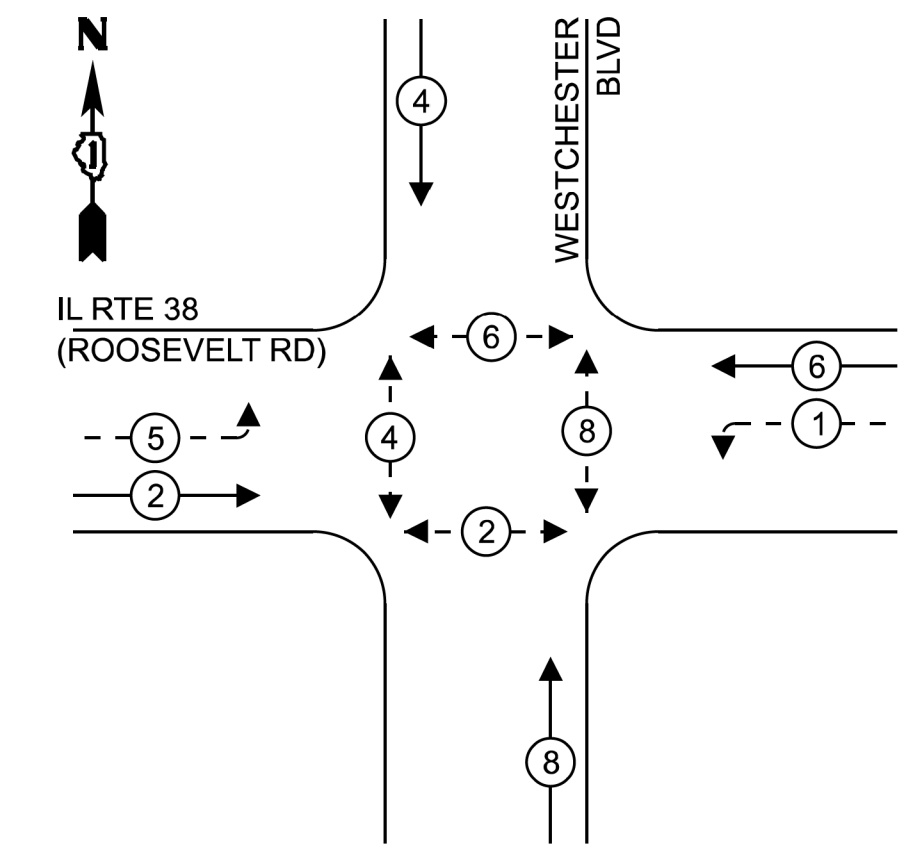
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 2 OF 2)
ROOSEVELT ROAD AT WESTCHESTER BLVD**

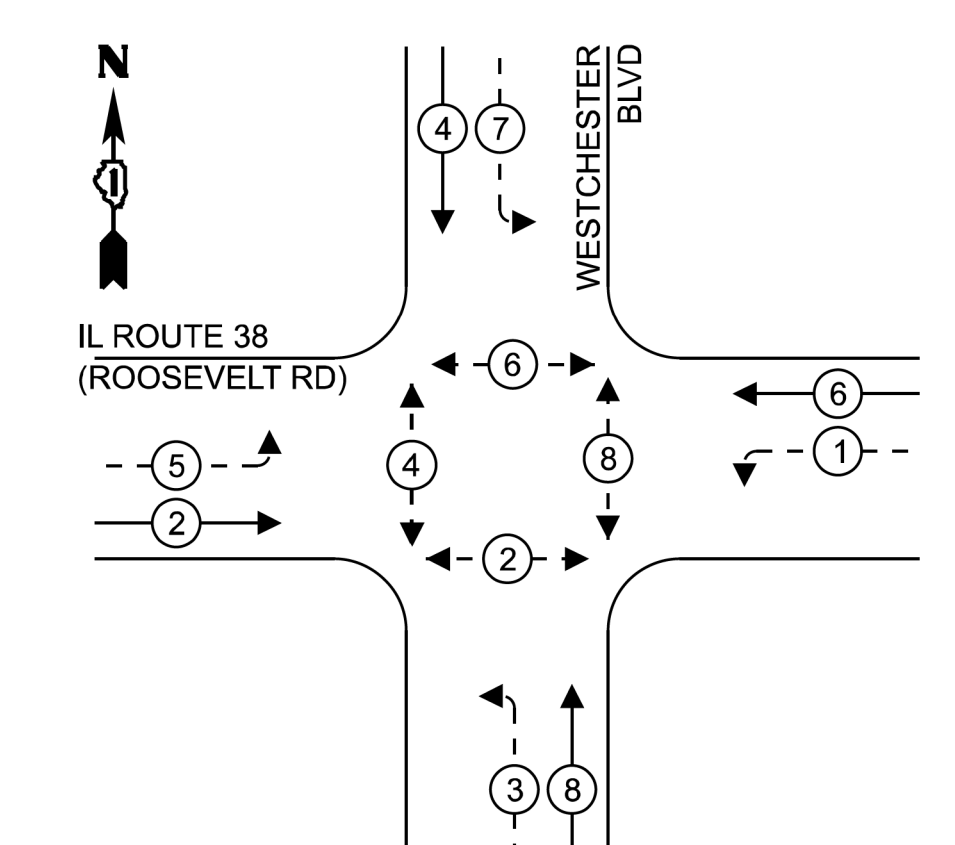
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	23
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

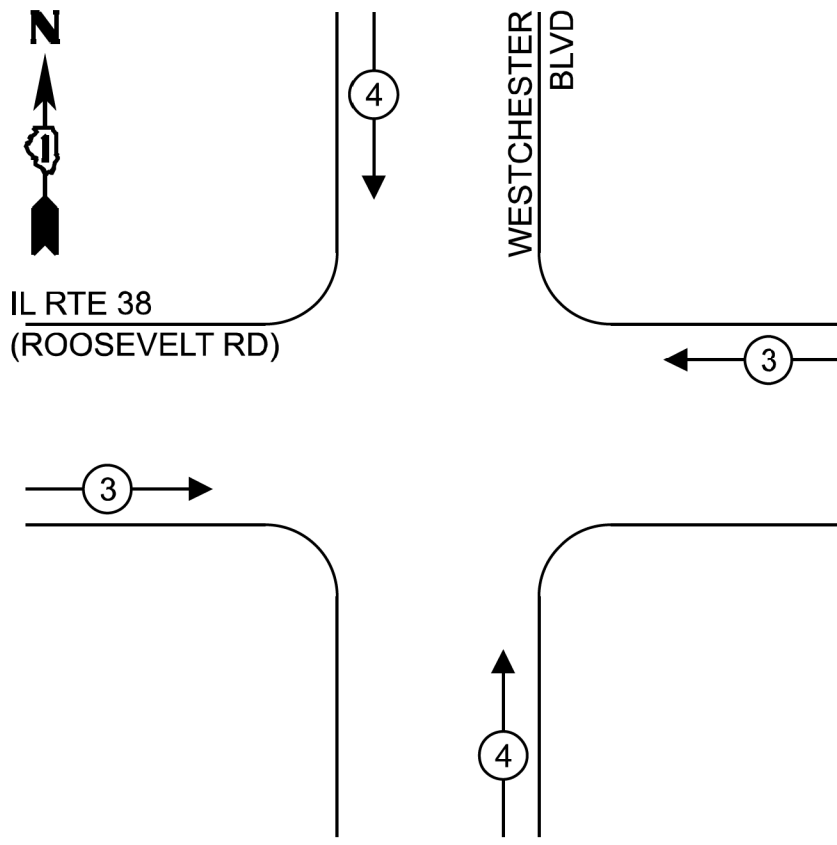
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

- ← (⊙) — PROTECTED PHASE
- ← - (⊙) - PROTECTED/PERMITTED PHASE
- ← (⊙) → PEDESTRIAN PHASE
- ← (⊙) OL OVERLAP

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING		487	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1092	

ENERGY COSTS TO:

VILLAGE OF WESTCHESTER
10300 W ROOSEVELT ROAD
WESTCHESTER, IL 60154

ENERGY SUPPLY: CONTACT: ERICKA IRBY

PHONE: 779-231-0633

COMPANY: COMED

ACCOUNT NUMBER: 57256-11222

METER NUMBER: ---

TO EXISTING FIRE
STATION PREEMPTION
PUSHBUTTON

EX. INTERCONNECT
TO MANNHEIM

EX. TRACER CABLE



IL RTE 38
(ROOSEVELT RD)

WESTCHESTER
BLVD

CABLE PLAN

EX. INTERCONNECT
TO 17TH AVENUE

EX. TRACER CABLE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
& EMERGENCY VEHICLE PREEMPTION SEQUENCE
ROOSEVELT ROAD AT WESTCHESTER BLVD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	24
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

TS 15110
ECON 107

SCHEDULE OF QUANTITIES

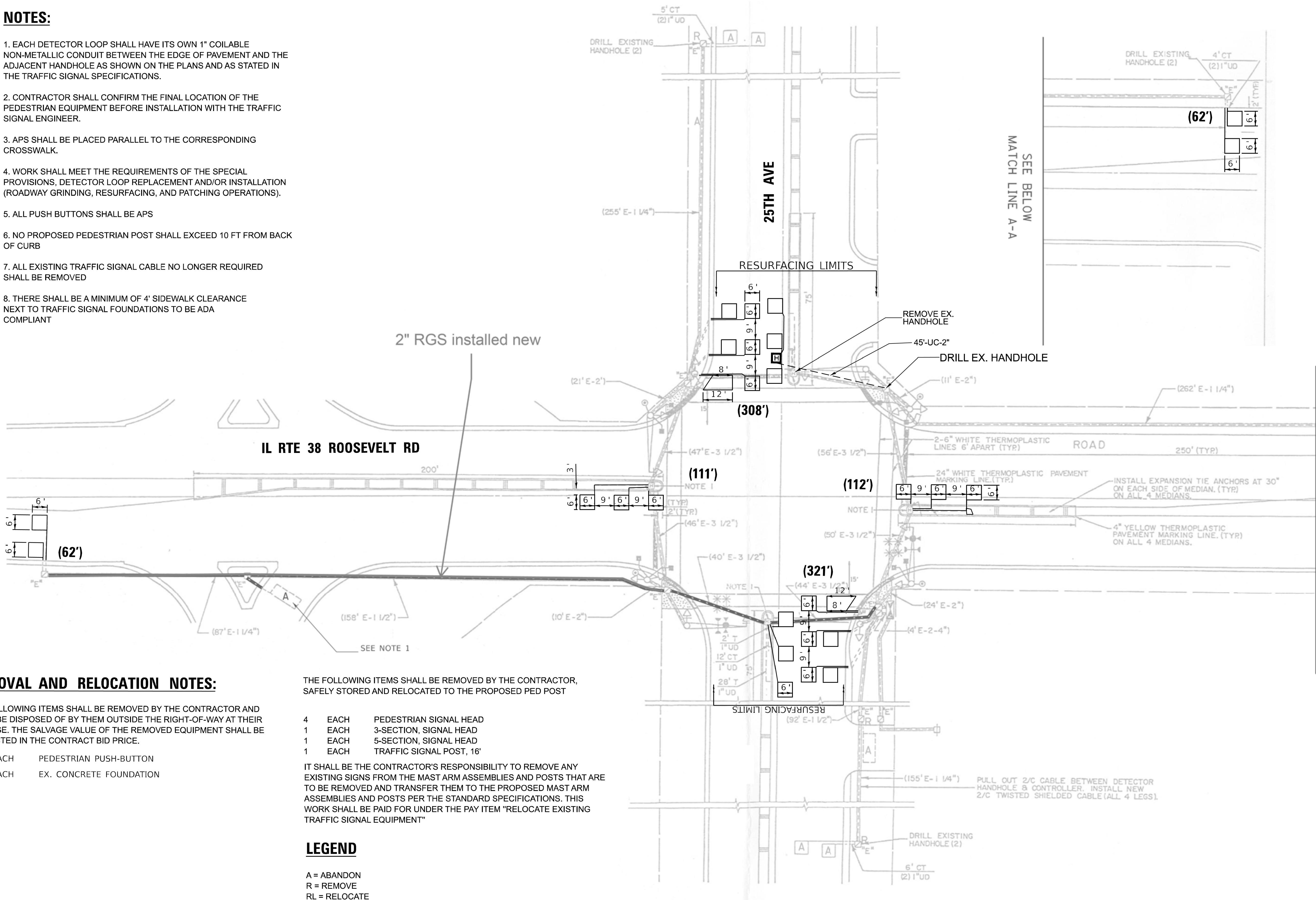
ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	151
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	566
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	121
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	499
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	751
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	377
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	356
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	5
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	803
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	5
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING SIGNAL POST	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	951
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	336
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 15110
ECON 107

	USER NAME = mohammad.hamwi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & EMERGENCY VEHICLE PREEMPTION SEQUENCE ROOSEVELT ROAD AT WESTCHESTER BLVD	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			347	2026-2260-RS,SW	COOK	62	25	
		CHECKED -	REVISED -			CONTRACT NO. 80D75					
	PLOT DATE = 8/7/2026	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
						ILLINOIS FED. AID PROJECT					

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.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT



REMOVAL AND RELOCATION NOTES:

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

- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH EX. CONCRETE FOUNDATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED PED POST

- 4 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH 3-SECTION, SIGNAL HEAD
- 1 EACH 5-SECTION, SIGNAL HEAD
- 1 EACH TRAFFIC SIGNAL POST, 16'

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY EXISTING SIGNS FROM THE MAST ARM ASSEMBLIES AND POSTS THAT ARE TO BE REMOVED AND TRANSFER THEM TO THE PROPOSED MAST ARM ASSEMBLIES AND POSTS PER THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR UNDER THE PAY ITEM "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT"

LEGEND

- A = ABANDON
- R = REMOVE
- RL = RELOCATE
- SL = STREET LIGHTING HANDHOLE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 2)
ROOSEVELT ROAD AT 25TH AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	26
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

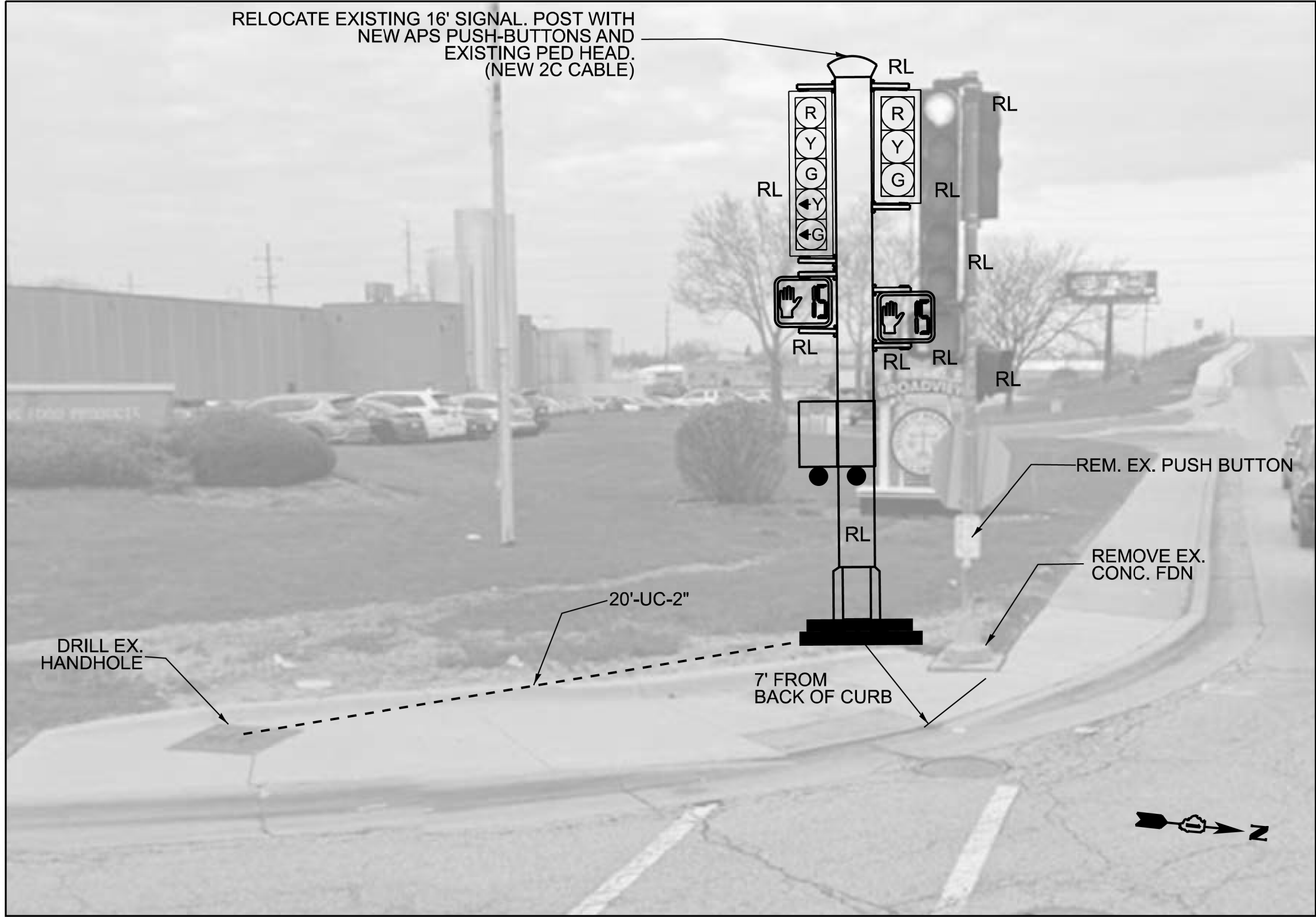
TS 3725
ECON 29



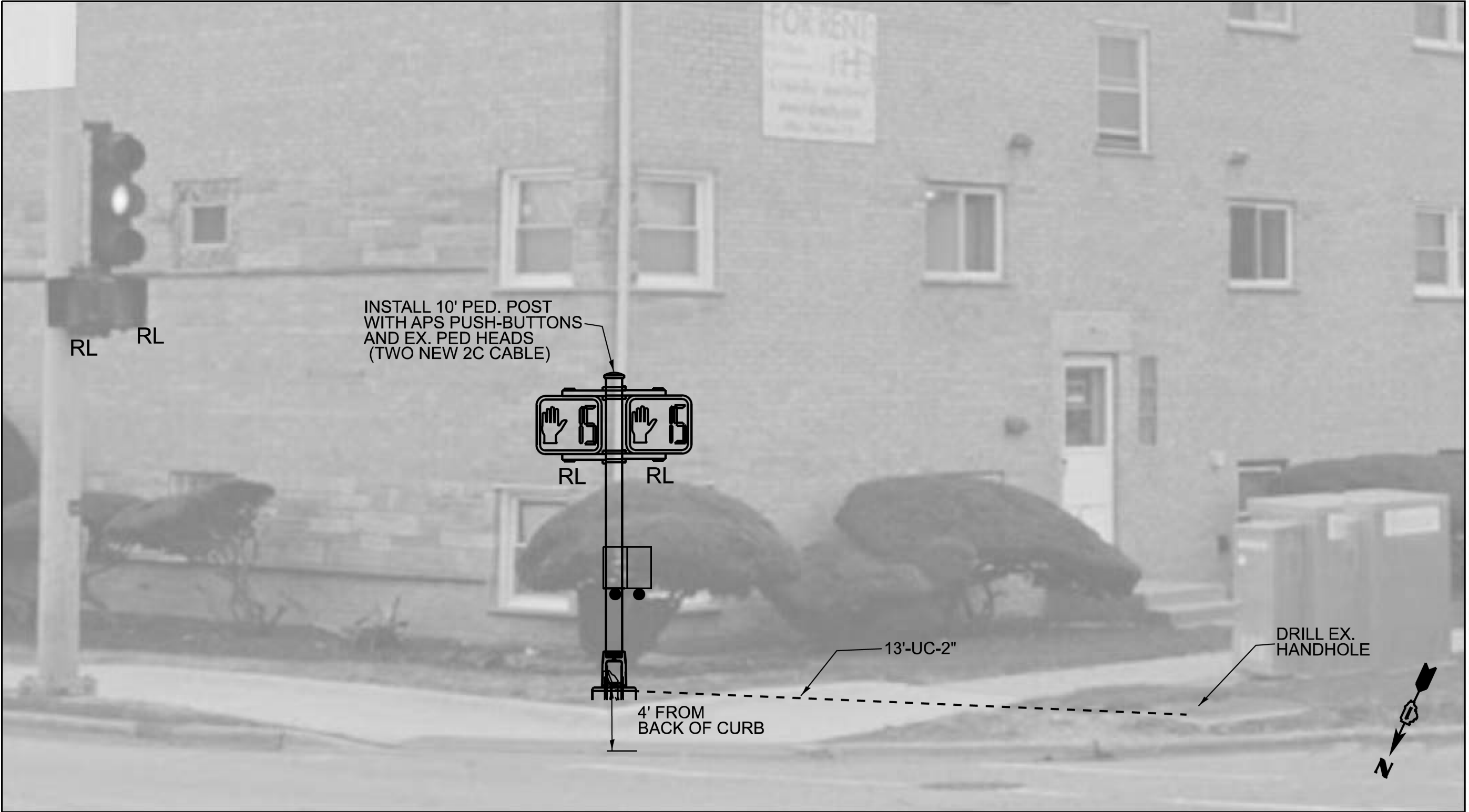
NORTHWEST CORNER



NORTHEAST CORNER



SOUTHWEST CORNER



SOUTHEAST CORNER

MODEL: TS 9 (Sheet)
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USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

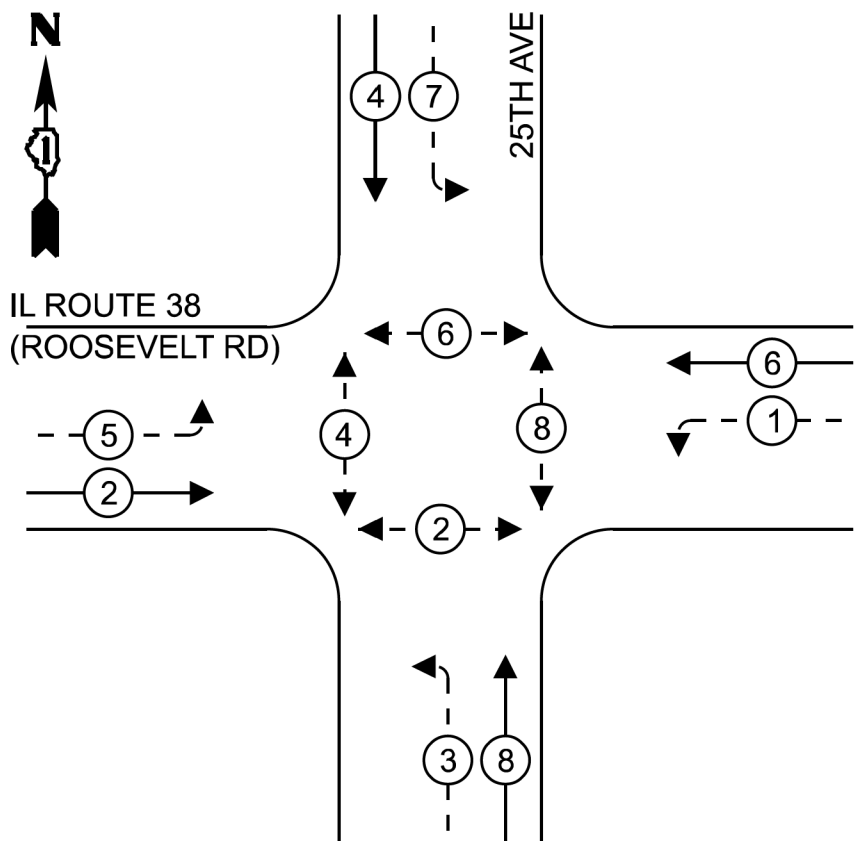
**TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 2 OF 2)
IL ROUTE 38 (ROOSEVELT ROAD) AT 25TH AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

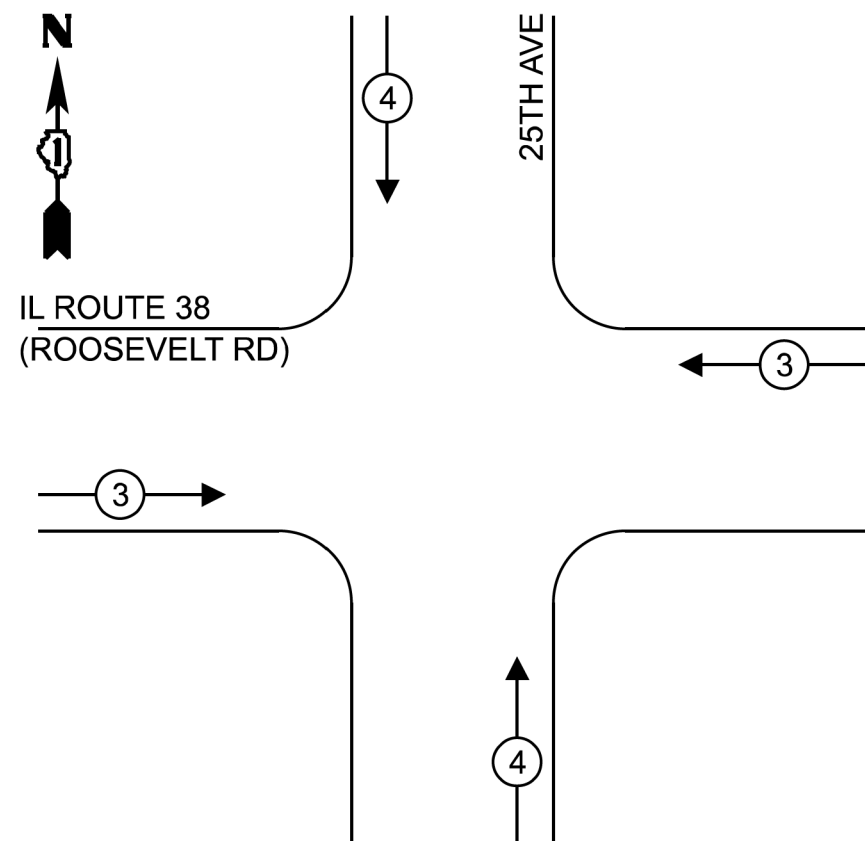
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	27
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

**TS 3725
ECON 29**

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	78
HEAVY DUTY-HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	748
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	308
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	156
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	156
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	193
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	171
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	976
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING SIGNAL POST	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1112
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	139
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
PTZ CAMERA	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING		487	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1092	

ENERGY COSTS TO:

VILLAGE OF BROADVIEW

2350 S 25TH AVE
BROADVIEW, IL 60155

ENERGY SUPPLY: CONTACT: ERICKA IRBY

PHONE: 779-231-0633

COMPANY: COMED

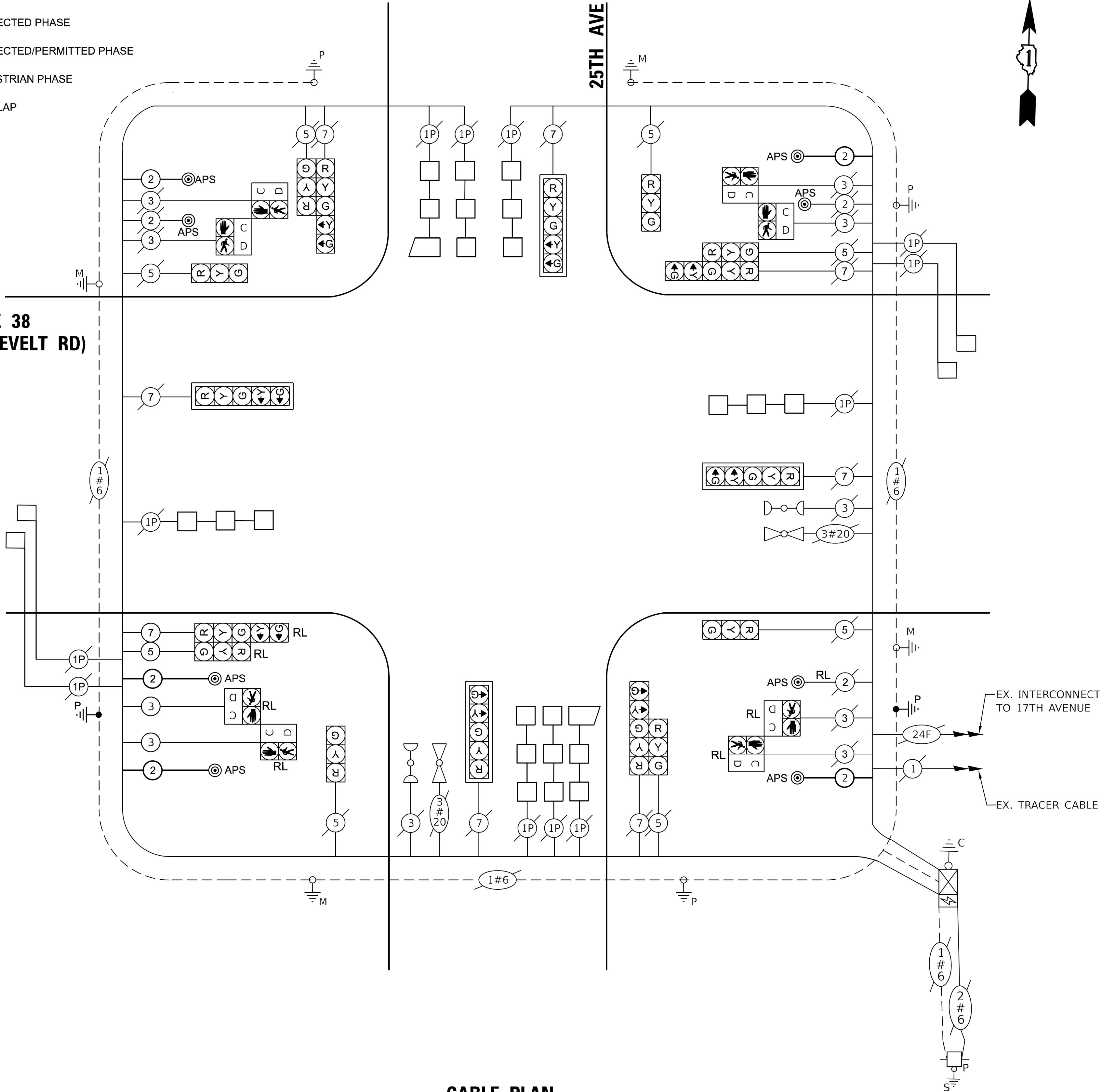
ACCOUNT NUMBER: 23387-77000

METER NUMBER: ---

LEGEND:

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

IL RTE 38
(ROOSEVELT RD)



CABLE PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
& EMERGENCY VEHICLE PREEMPTION SEQUENCE
(ROOSEVELT ROAD) AT 25TH AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	28
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

TS 3725
ECON 29

MODEL: TS 10 (Sheet)
FILE NAME: c:\pdx\work\pdx\hamwi\m11981780\12726-shr-TS.dgn

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.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT

RELOCATION NOTES:

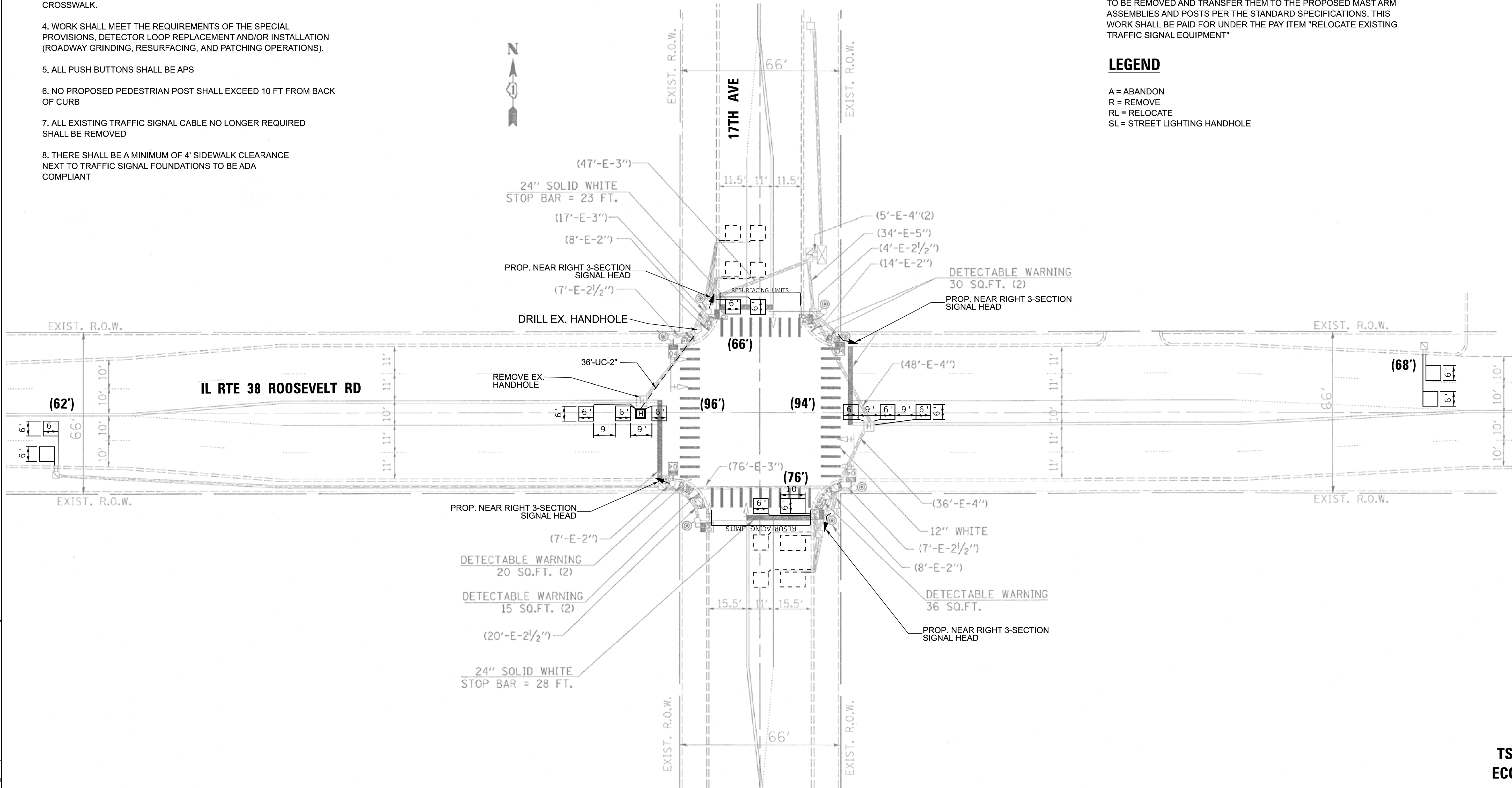
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED PED POST

2 EACH ACCESSIBLE PEDESTRIAN SIGNAL

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY EXISTING SIGNS FROM THE MAST ARM ASSEMBLIES AND POSTS THAT ARE TO BE REMOVED AND TRANSFER THEM TO THE PROPOSED MAST ARM ASSEMBLIES AND POSTS PER THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR UNDER THE PAY ITEM "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT"

LEGEND

A = ABANDON
R = REMOVE
RL = RELOCATE
SL = STREET LIGHTING HANDHOLE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 2)
ROOSEVELT ROAD AT 17TH AVENUE

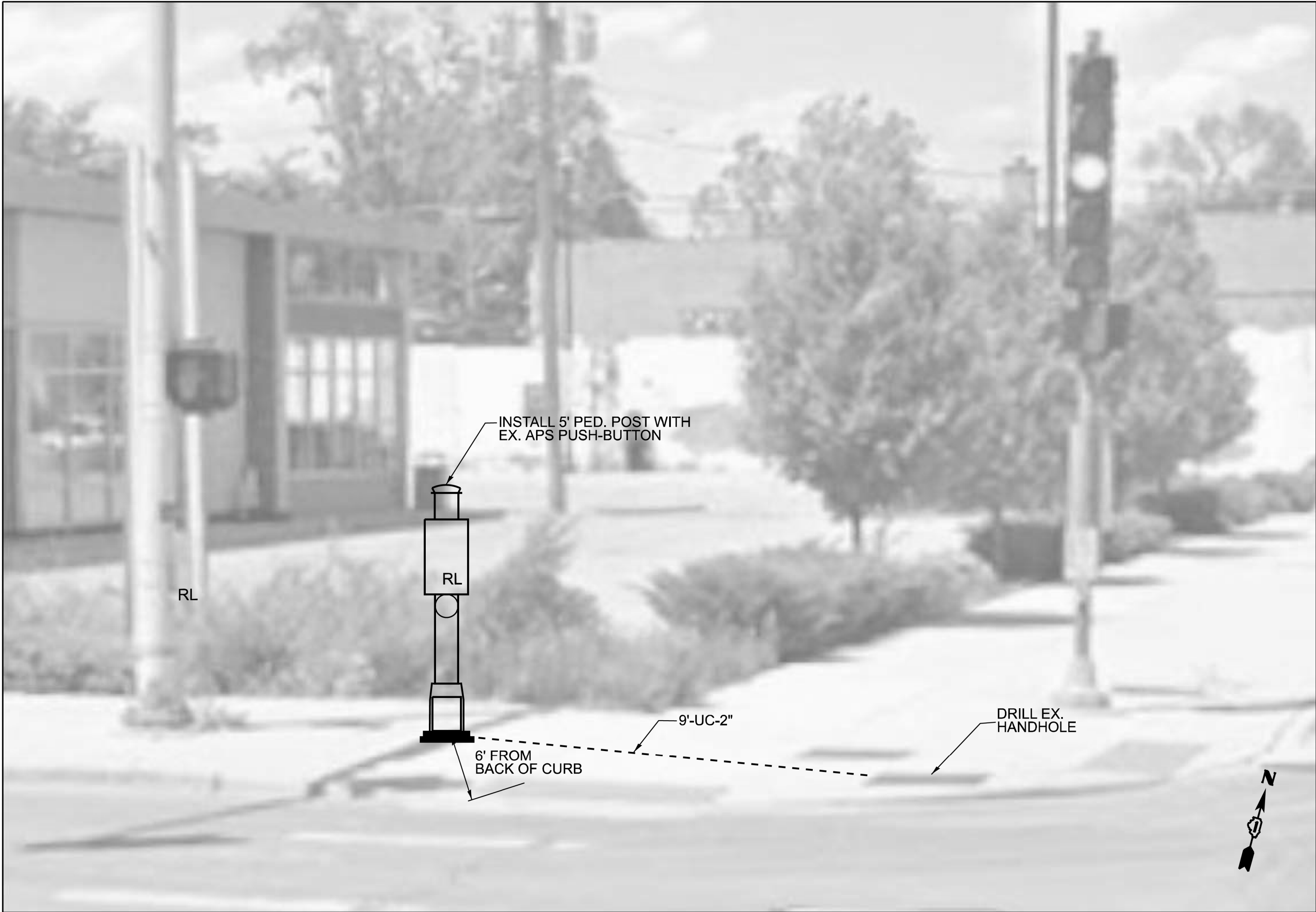
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ECON 29

USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

SCALE:				SHEET OF SHEETS STA. TO STA.			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	29
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

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NORTHWEST CORNER



SOUTHEAST CORNER

MODEL: TS 12 (Sheet)
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USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

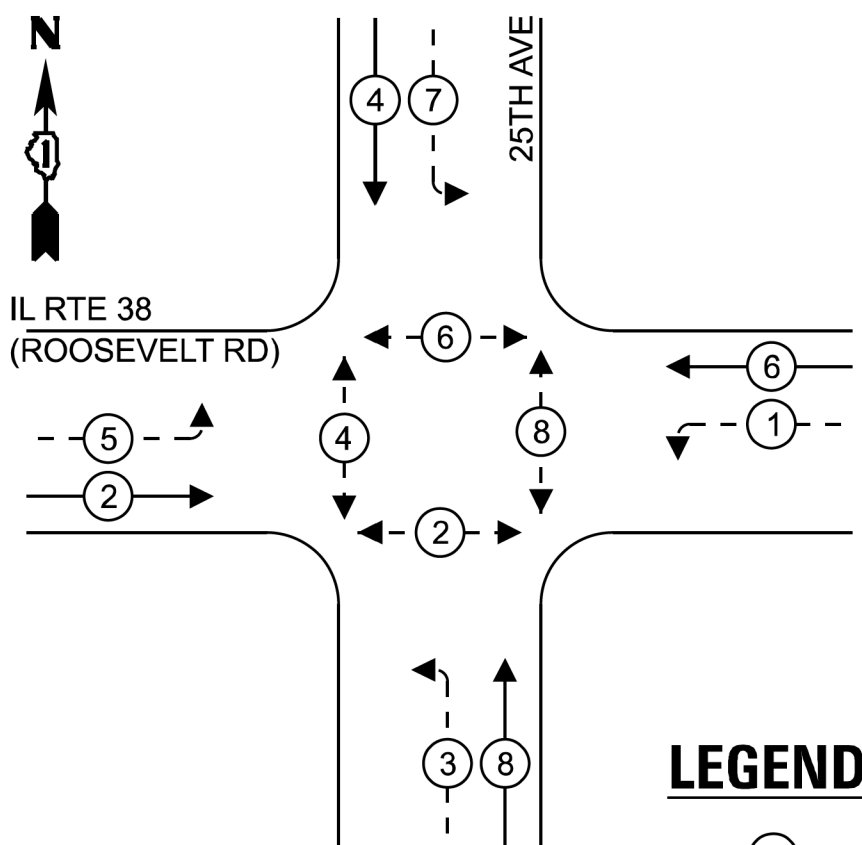
**TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 2 OF 2)
ROOSEVELT ROAD AT 17TH AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	30
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

**TS 3705
ECON 29**

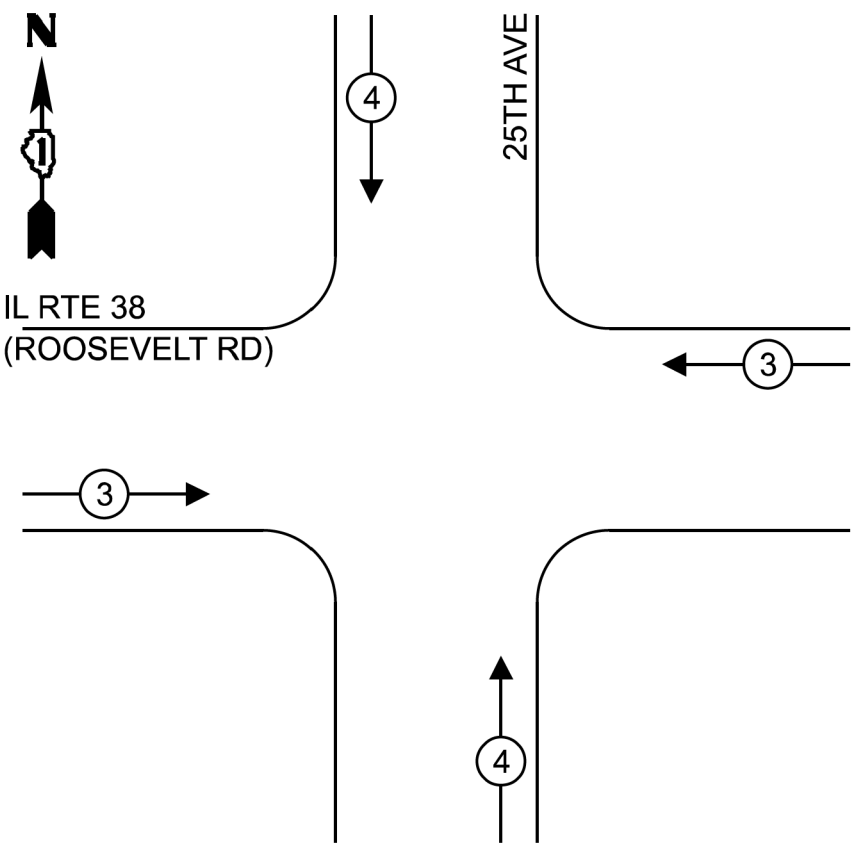
EXISTING AND PROPOSED
CONTROLLER SEQUENCE



LEGEND:

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

EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	48
HEAVY DUTY-HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	673
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	143
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	283
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	462
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	303
REMOVE EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	7	13	91
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING			474
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1079

ENERGY COSTS TO:

VILLAGE OF BROADVIEW

2350 S 25TH AVE
BROADVIEW, IL 60155

ENERGY SUPPLY:

CONTACT: ERICKA IRBY

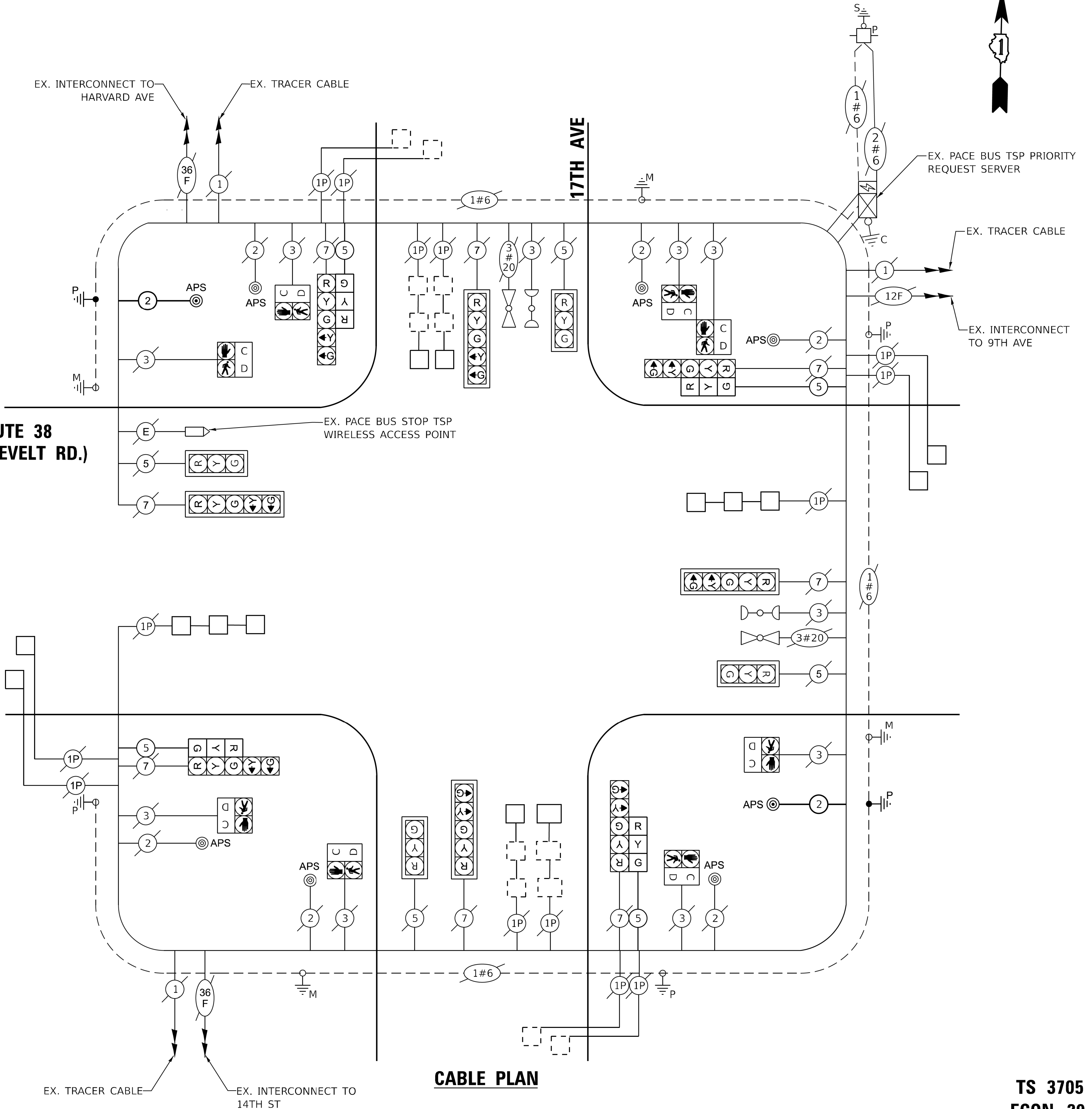
PHONE: 779-231-0633

COMPANY: COMED

ACCOUNT NUMBER: 23387-77000

METER NUMBER: ---

IL ROUTE 38
(ROOSEVELT RD.)



CABLE PLAN

TS 3705
ECON 29

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
& EMERGENCY VEHICLE PREEMPTION SEQUENCE
ROOSEVELT ROAD AT 17TH AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	31
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

MODEL: TS 13 (Sheet)
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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.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT

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.

- 2 EACH PEDESTRIAN PUSH-BUTTON
1 EACH EX. CONCRETE FOUNDATION

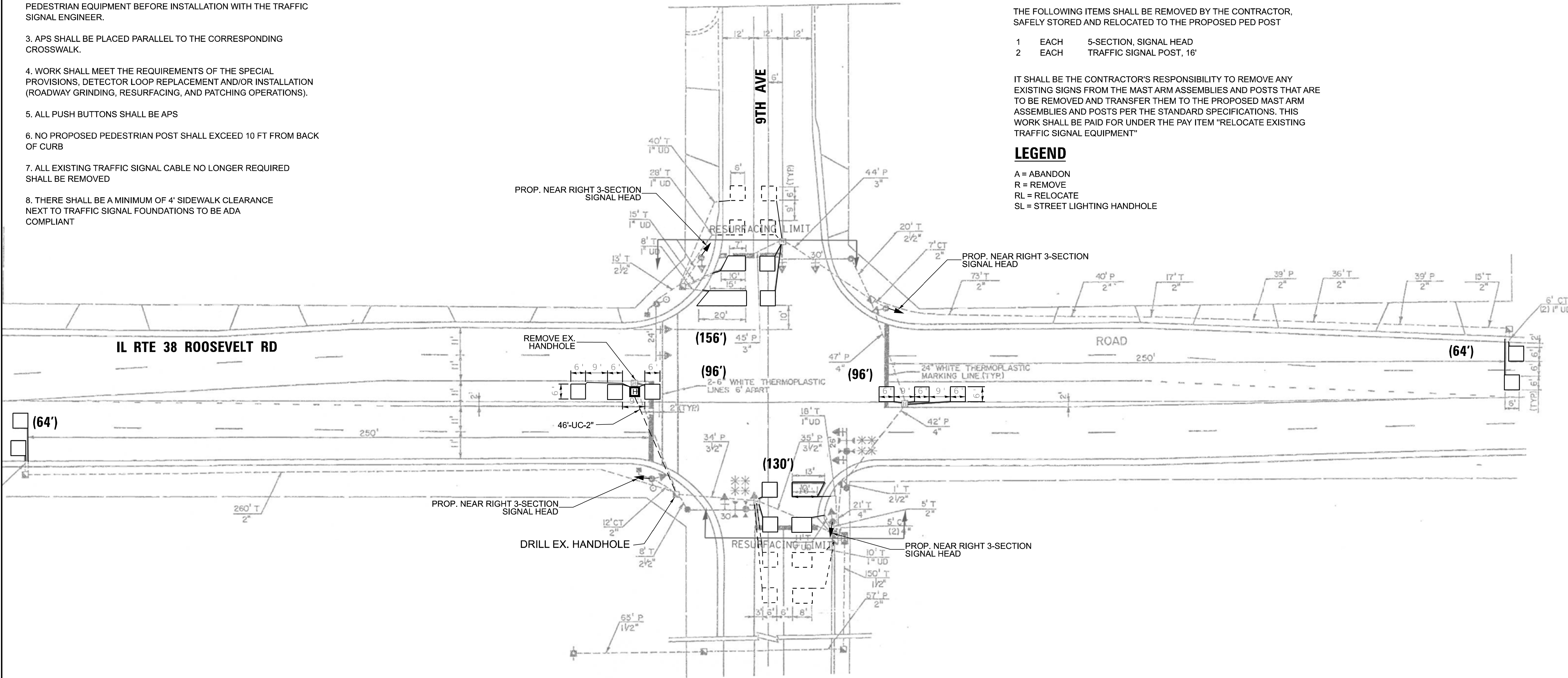
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED PED POST

- 1 EACH 5-SECTION, SIGNAL HEAD
2 EACH TRAFFIC SIGNAL POST, 16'

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY EXISTING SIGNS FROM THE MAST ARM ASSEMBLIES AND POSTS THAT ARE TO BE REMOVED AND TRANSFER THEM TO THE PROPOSED MAST ARM ASSEMBLIES AND POSTS PER THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR UNDER THE PAY ITEM "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT"

LEGEND

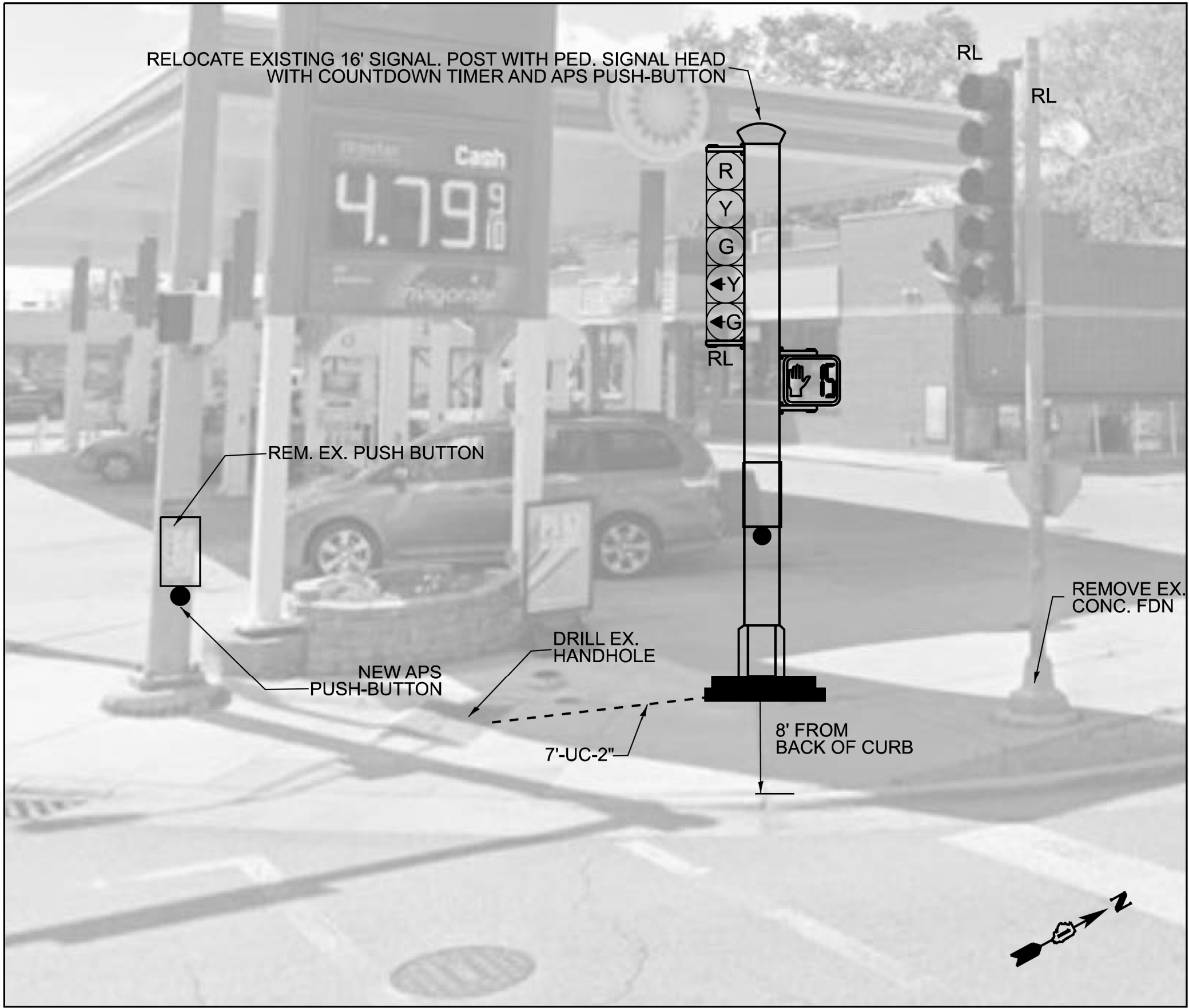
- A = ABANDON
R = REMOVE
RL = RELOCATE
SL = STREET LIGHTING HANDHOLE



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TS 5725
ECON 29

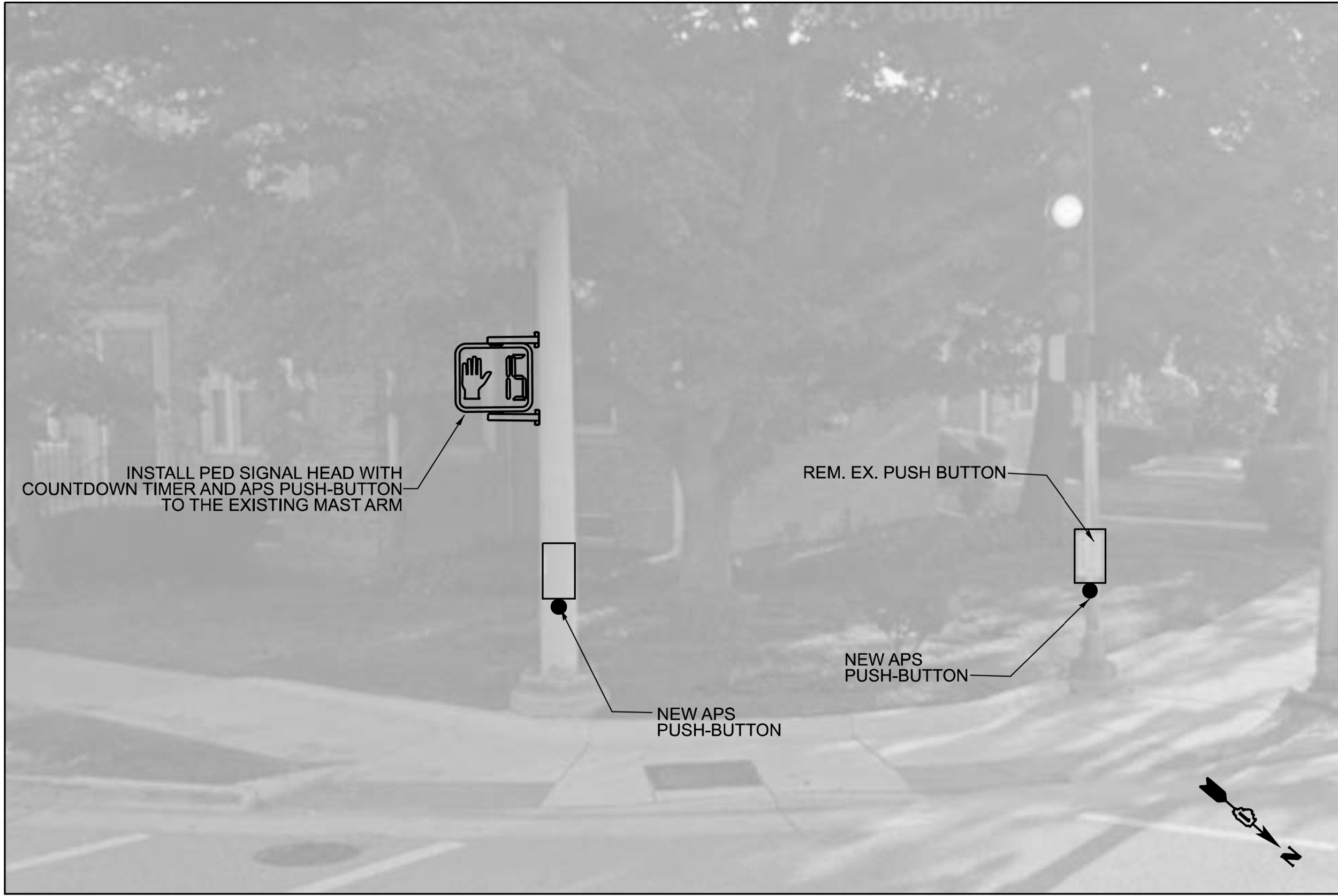
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			DRAWN	-	REVISED	-									347	2026-2260-RS,SW	COOK	62	32
			CHECKED	-	REVISED	-									CONTRACT NO. 80D75				
	PLOT DATE	= 8/7/2026	DATE	-	REVISED	-									ILLINOIS FED. AID PROJECT				



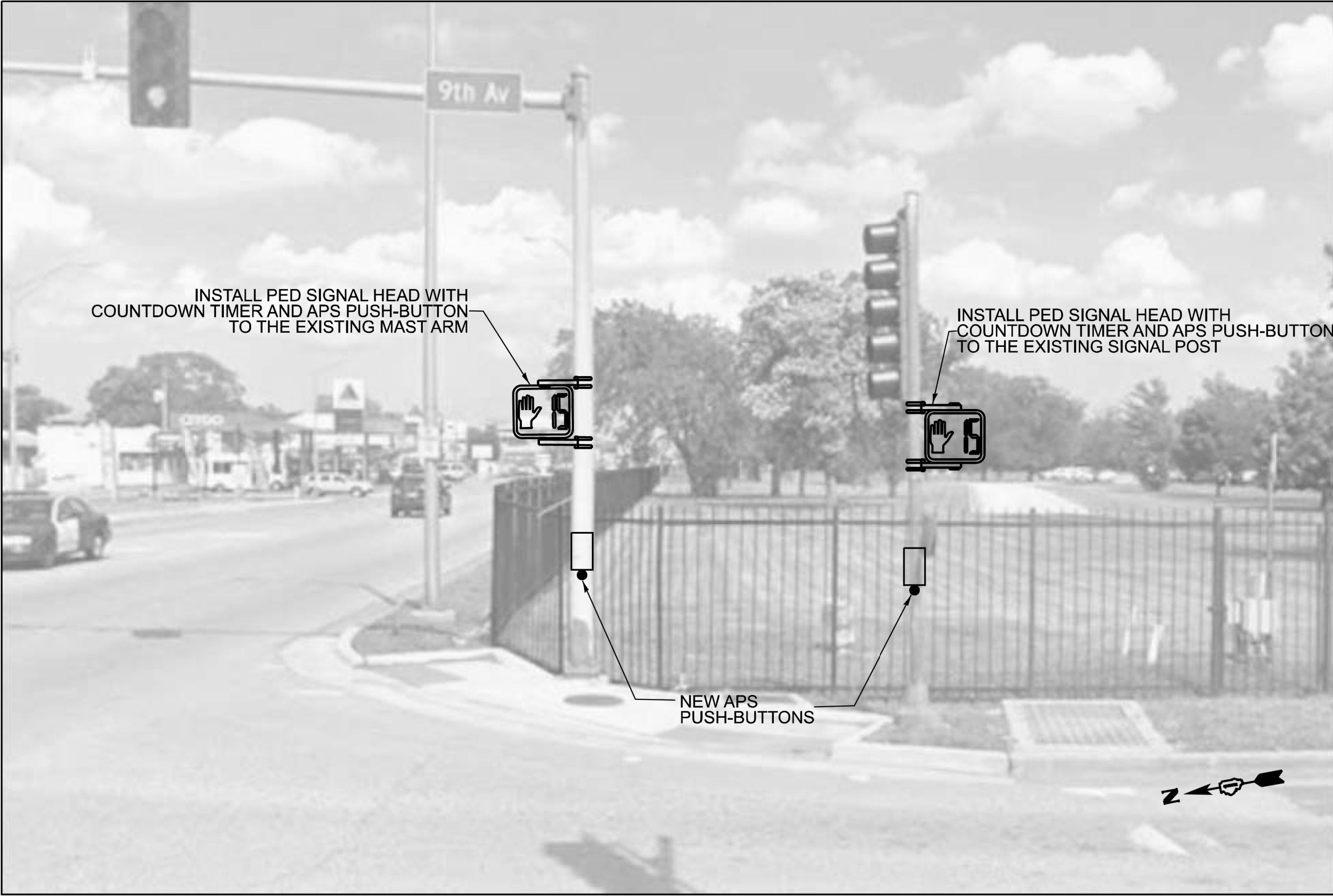
NORTHWEST CORNER



NORTHEAST CORNER



SOUTHWEST CORNER



SOUTHEAST CORNER

TS 5725
ECON 29

MODEL: TS 15 (Sheet)
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USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

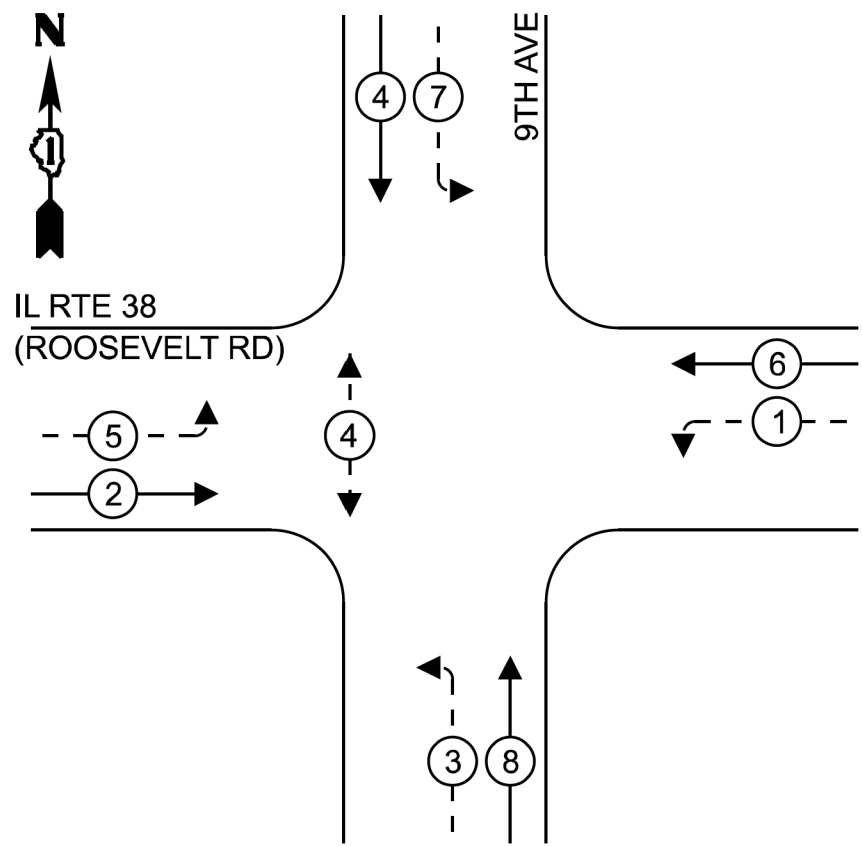
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 2 OF 2)
ROOSEVELT ROAD AT 9TH AVENUE

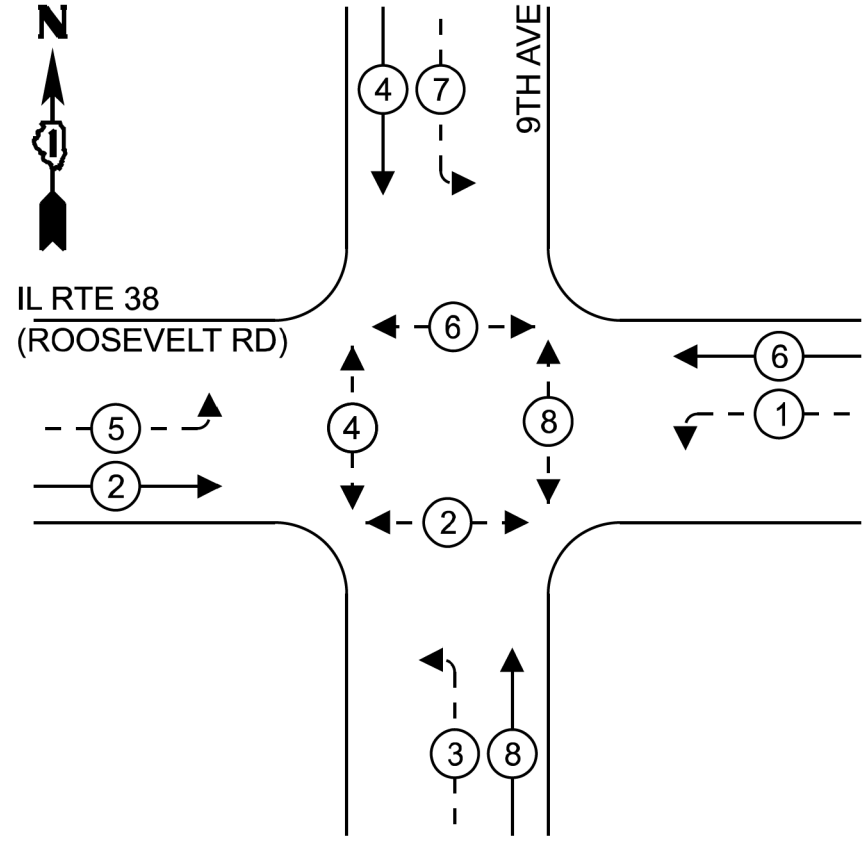
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	33
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

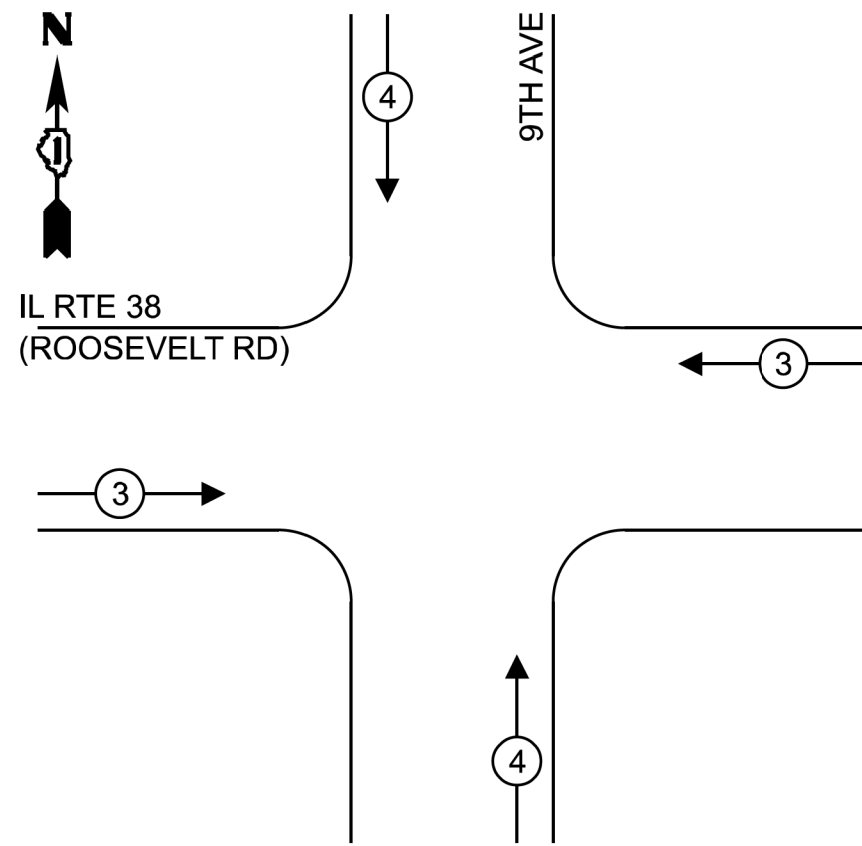
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

- ⬅️ (⊛) ➡️ PROTECTED PHASE
- ⬅️ (⊛) - - ➡️ PROTECTED/PERMITTED PHASE
- ⬅️ (⊛) ➡️ PEDESTRIAN PHASE
- ⬅️ (⊛) ➡️ OL OVERLAP

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING		513	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1118	

ENERGY COSTS TO:

VILLAGE OF BROADVIEW
2350 S 25TH AVE
BROADVIEW, IL 60155

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMED
ACCOUNT NUMBER: 23387-77000
METER NUMBER: ---

IL RTE 38
(ROOSEVELT RD)

9TH AVE

EX. WIRELESS ACCESS POINT
(ON EXISTING MAST ARM)

CABLE PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
& EMERGENCY VEHICLE PREEMPTION SEQUENCE
ROOSEVELT ROAD AT 9TH AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	34
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

TS 5725
ECON 29

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	54
HEAVY DUTY-HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	835
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	865
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	642
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	312
CONCRETE FOUNDATION TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	606
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
RELOCATE EXISTING SIGNAL HEAD	EACH	1
RELOCATE EXISTING SIGNAL POST	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 5725
ECON 29

MODEL: TS 17 [Sheet]
FILE NAME: c:\ppl_work\pwid\hamwi\md1198178D12726-sh1-TS.dgn

	USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & EMERGENCY VEHICLE PREEMPTION SEQUENCE ROOSEVELT ROAD AT 9TH AVENUE	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-	REVISED	-			347	2026-2260-RS,SW	COOK	62	35
			CHECKED	-	REVISED	-			CONTRACT NO. 80D75				
	PLOT DATE	= 8/7/2026	DATE	-	REVISED	-							
	SCALE:								SHEET	OF	SHEETS	STA.	TO STA.
						ILLINOIS FED. AID PROJECT							

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.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT

REMOVAL NOTES:

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

- 2 EACH 3-SECTION, SIGNAL HEAD

RELOCATION NOTES:

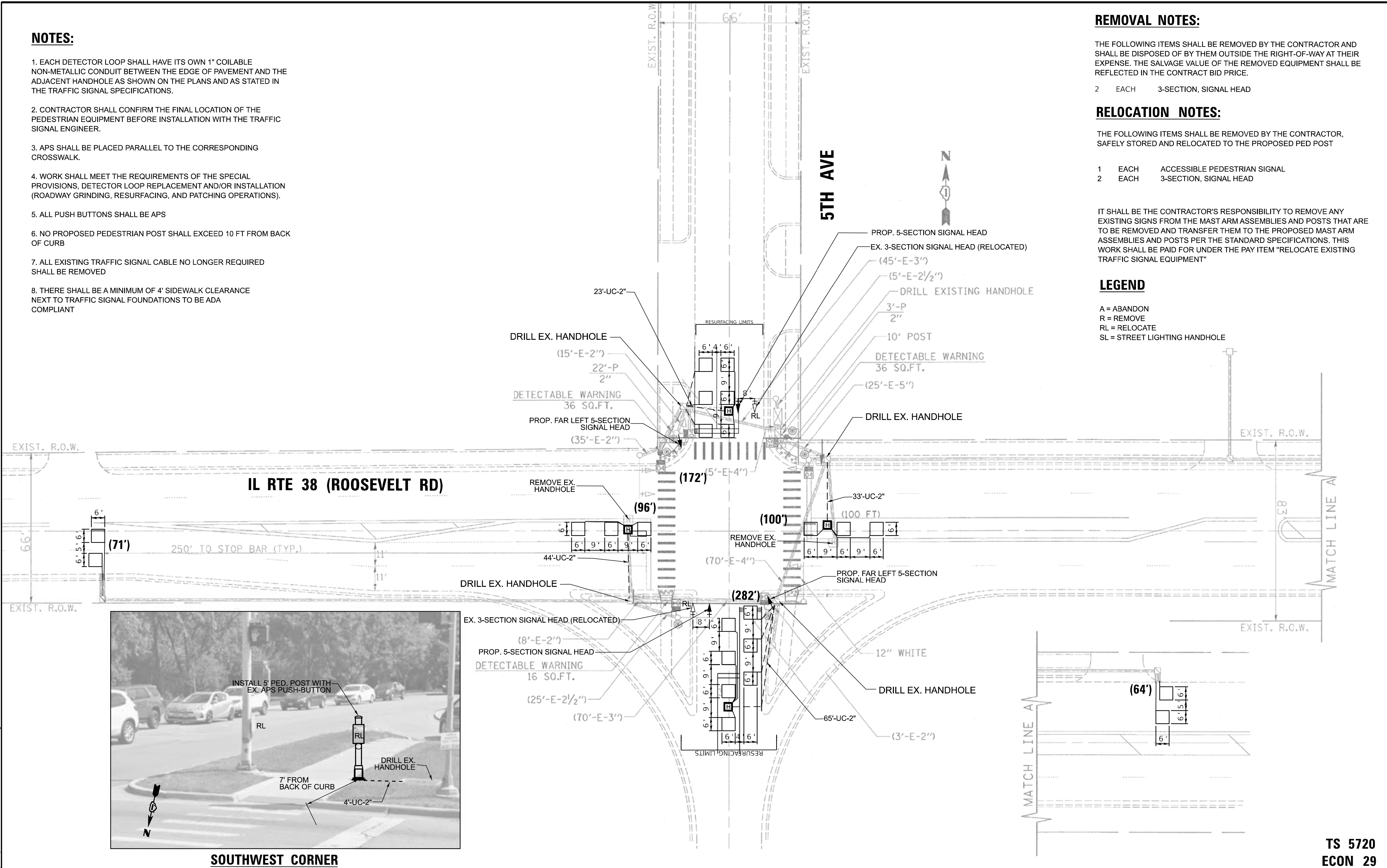
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED PED POST

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

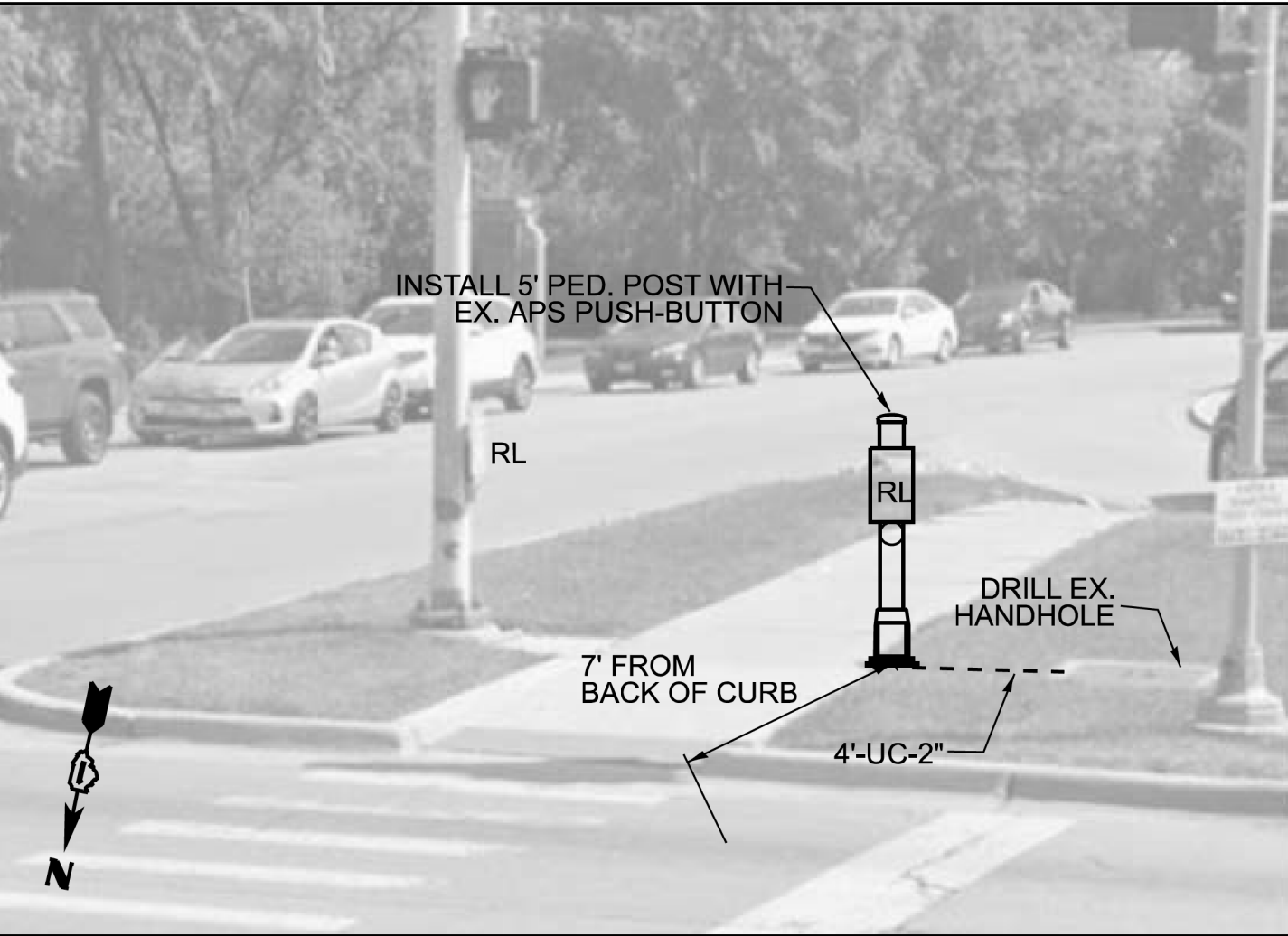
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY EXISTING SIGNS FROM THE MAST ARM ASSEMBLIES AND POSTS THAT ARE TO BE REMOVED AND TRANSFER THEM TO THE PROPOSED MAST ARM ASSEMBLIES AND POSTS PER THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR UNDER THE PAY ITEM "RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT"

LEGEND

- A = ABANDON
R = REMOVE
RL = RELOCATE
SL = STREET LIGHTING HANDHOLE



MODEL: TS 18 (Sheet)
FILE NAME: c:\p\work\pawid\hamwi\md11981780\127726-sht-TS.dgn



SOUTHWEST CORNER

	USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
	DRAWN	-	CHECKED	-	REVISED	-
	DATE	-	DATE	-	REVISED	-
	PLOT DATE	= 8/7/2026				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

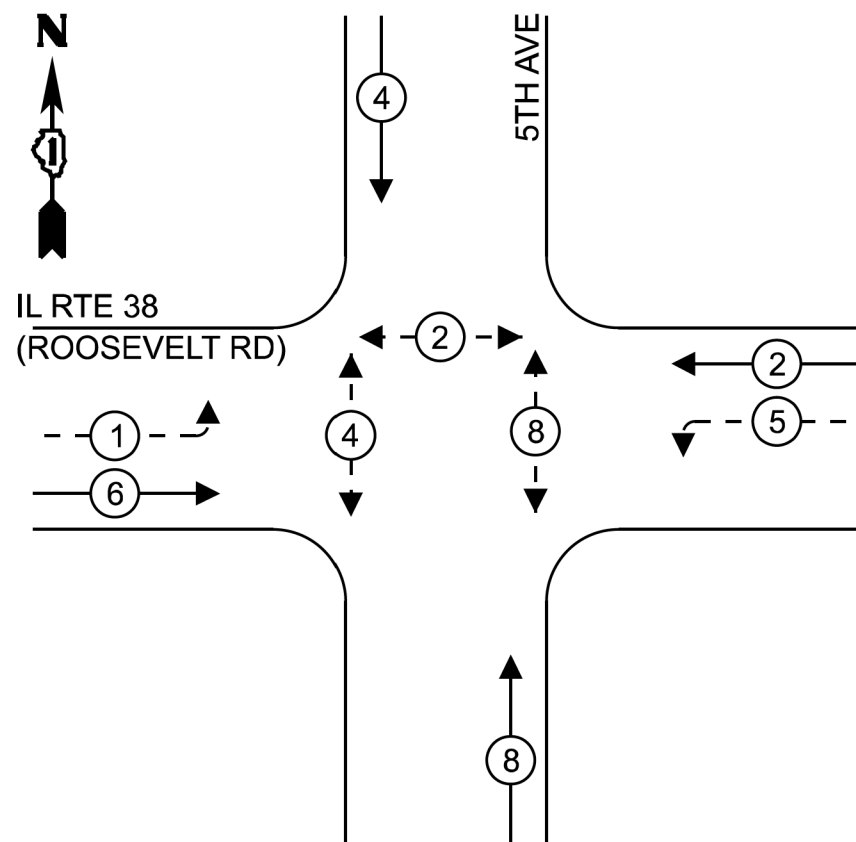
TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 2)
ROOSEVELT ROAD AT 5TH AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

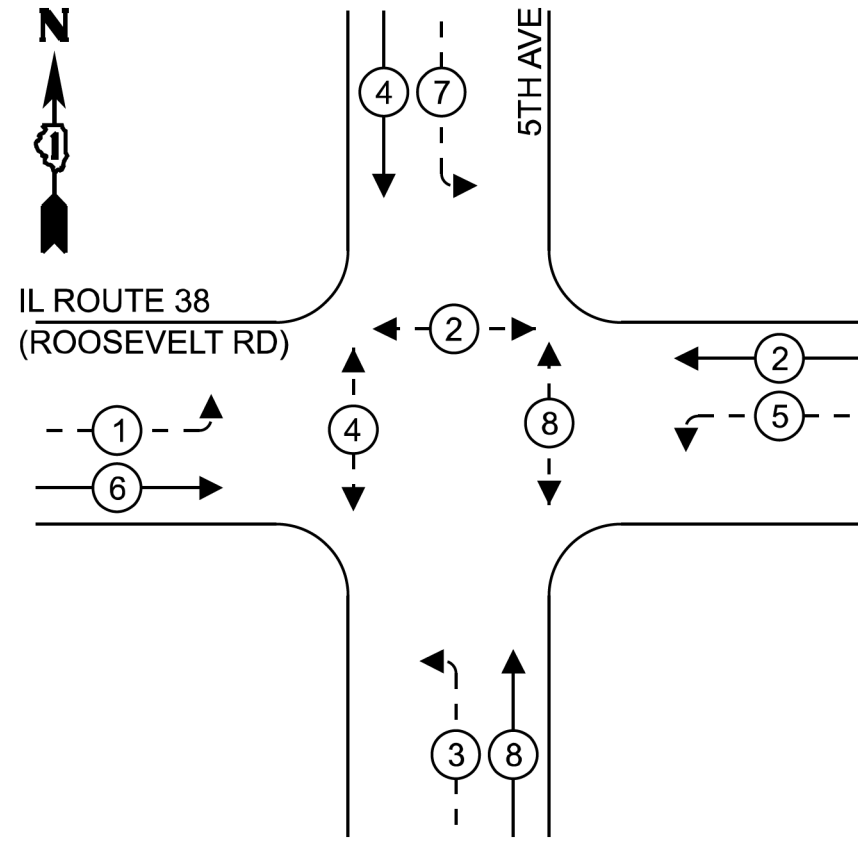
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	36
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

TS 5720
ECON 29

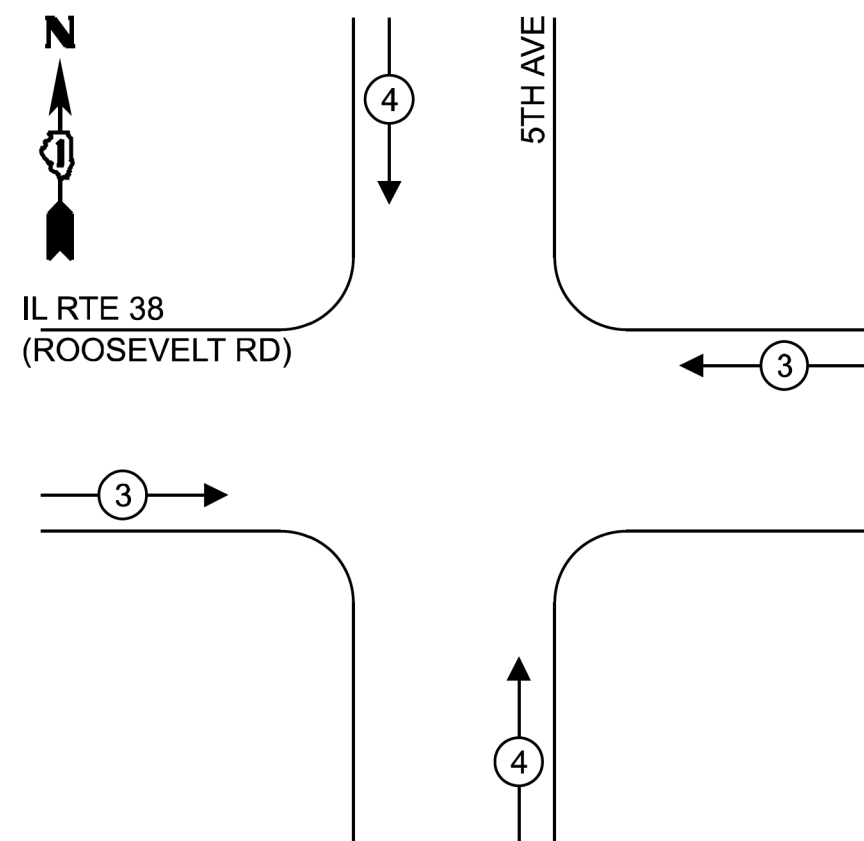
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



LEGEND:

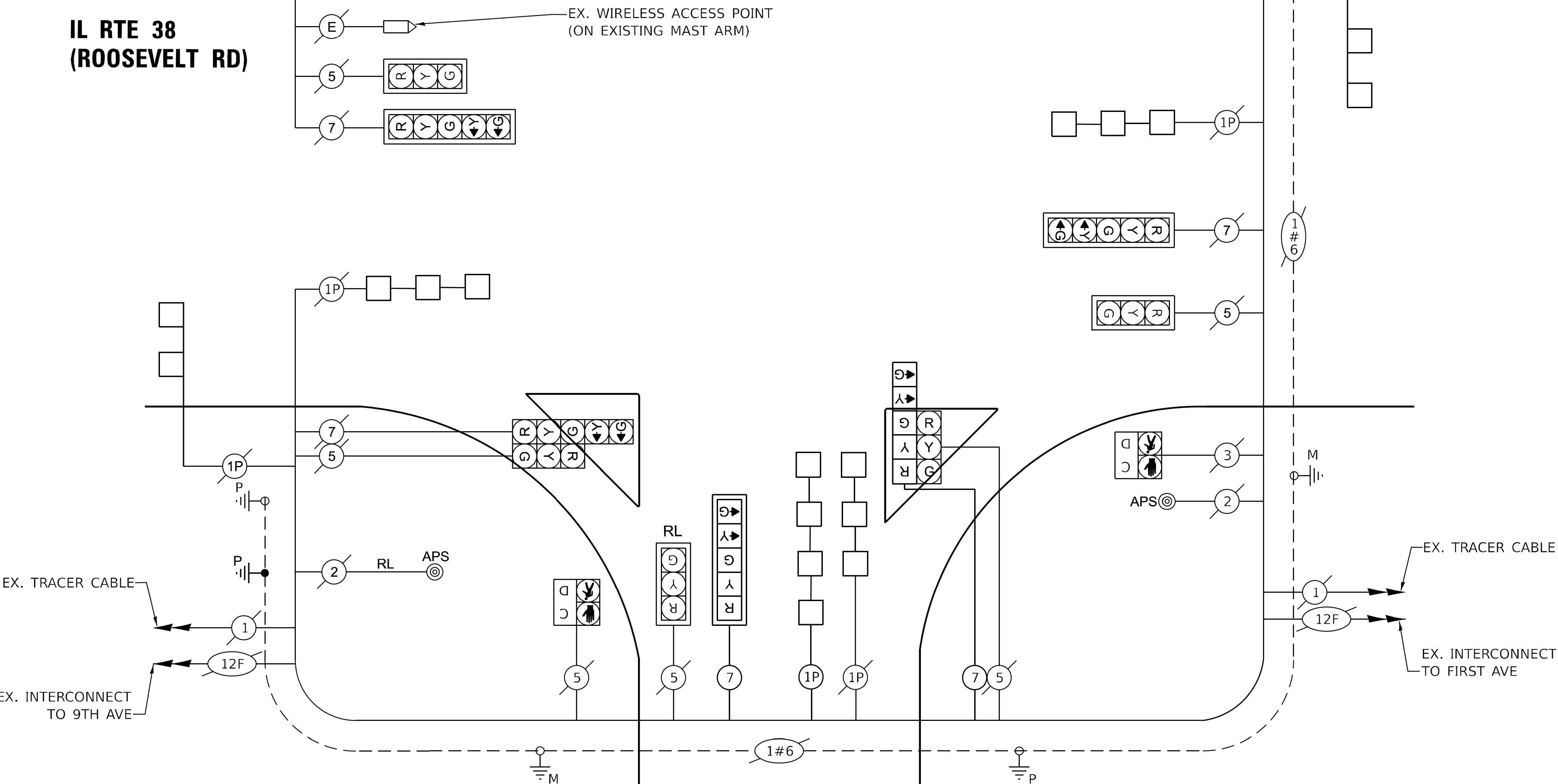
- Protected Phase
- Protected/Permitted Phase
- Pedestrian Phase
- Overlap

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	6	15	90
MASTER CONTROLLER	1	150	150
UPS	-	100	-
DETECTION RADAR	1	25	25
BLANK-OUT SIGN	-	20	-
NETWORK SWITCH II OR III	-	25	-
CELLULAR MODEM	-	35	-
PTZ CAMERA	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING			457
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING			1062

ENERGY COSTS TO:			
VILLAGE OF MAYWOOD			
40 MADISON STREET			
MAYWOOD, IL 60153			
ENERGY SUPPLY:	CONTACT:	ERICKA IRBY	
	PHONE:	779-231-0633	
	COMPANY:	COMED	
	ACCOUNT NUMBER:	13971-31222	
	METER NUMBER:	---	

IL RTE 38
(ROOSEVELT RD)



CABLE PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
& EMERGENCY VEHICLE PREEMPTION SEQUENCE
ROOSEVELT ROAD AT 5TH AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	37
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

TS 5720
ECON 29

MODEL: TS 20 [Sheet]
FILE NAME: c:\ppl_work\pwwidohamwimd1198178D12726-sh-TS.dgn

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	165
HEAVY DUTY-HANDHOLE	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	615
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	309
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	215
DRILL EXISTING HANDHOLE	EACH	5
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	785
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	270
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	576
REMOVE EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 5720
ECON 29

	USER NAME = mohammad.hamwi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES & EMERGENCY VEHICLE PREEMPTION SEQUENCE ROOSEVELT ROAD AT 5TH AVENUE	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			347	2026-2260-RS,SW	COOK	62	38
		CHECKED -	REVISED -			CONTRACT NO. 80D75				
	PLOT DATE = 8/7/2026	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

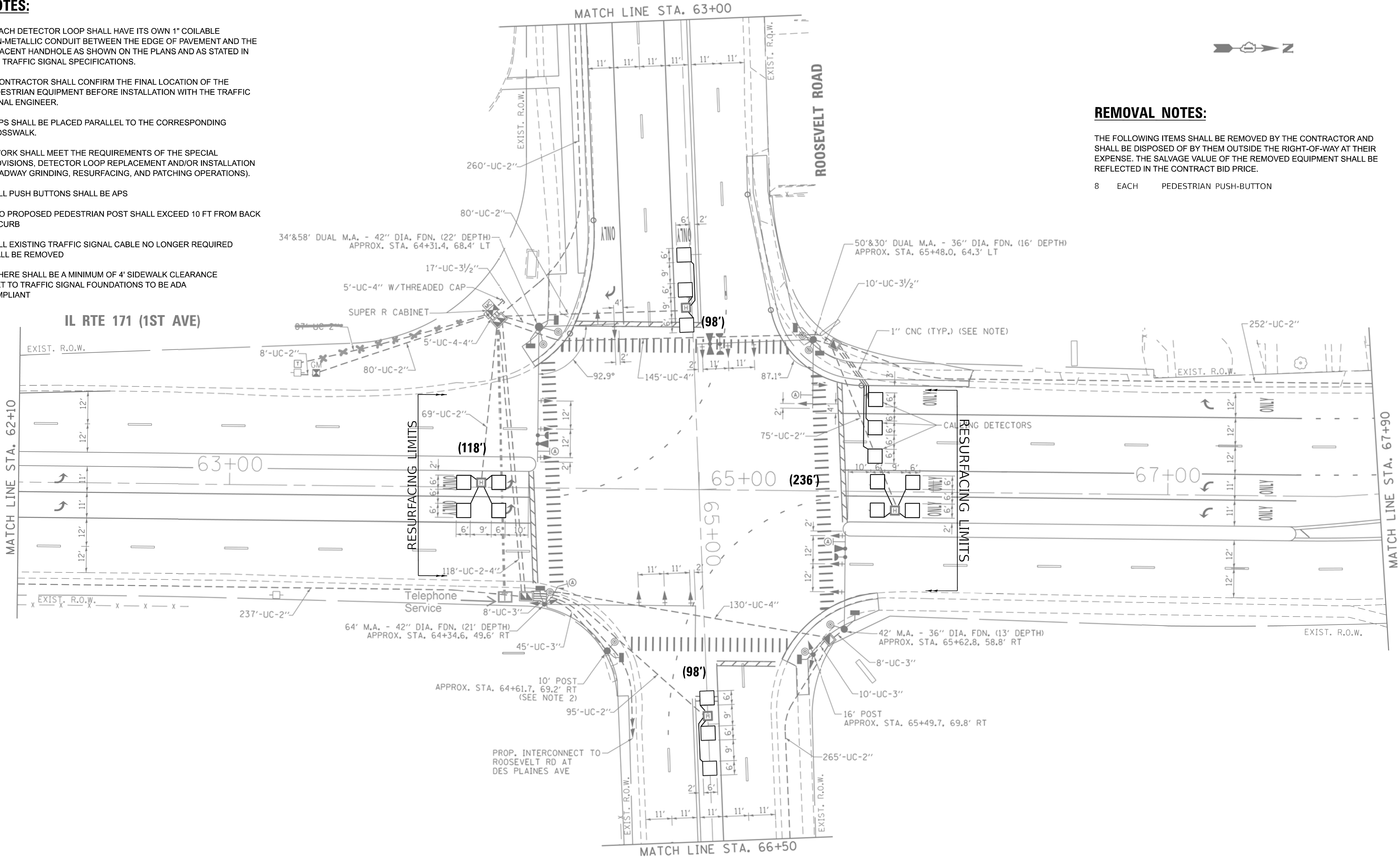
NOTES:

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.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT

REMOVAL NOTES:

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

8 EACH PEDESTRIAN PUSH-BUTTON



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 1 OF 3)
IL ROUTE 38 (ROOSEVELT ROAD) AT IL- ROUTE 171 (1ST AVENUE)

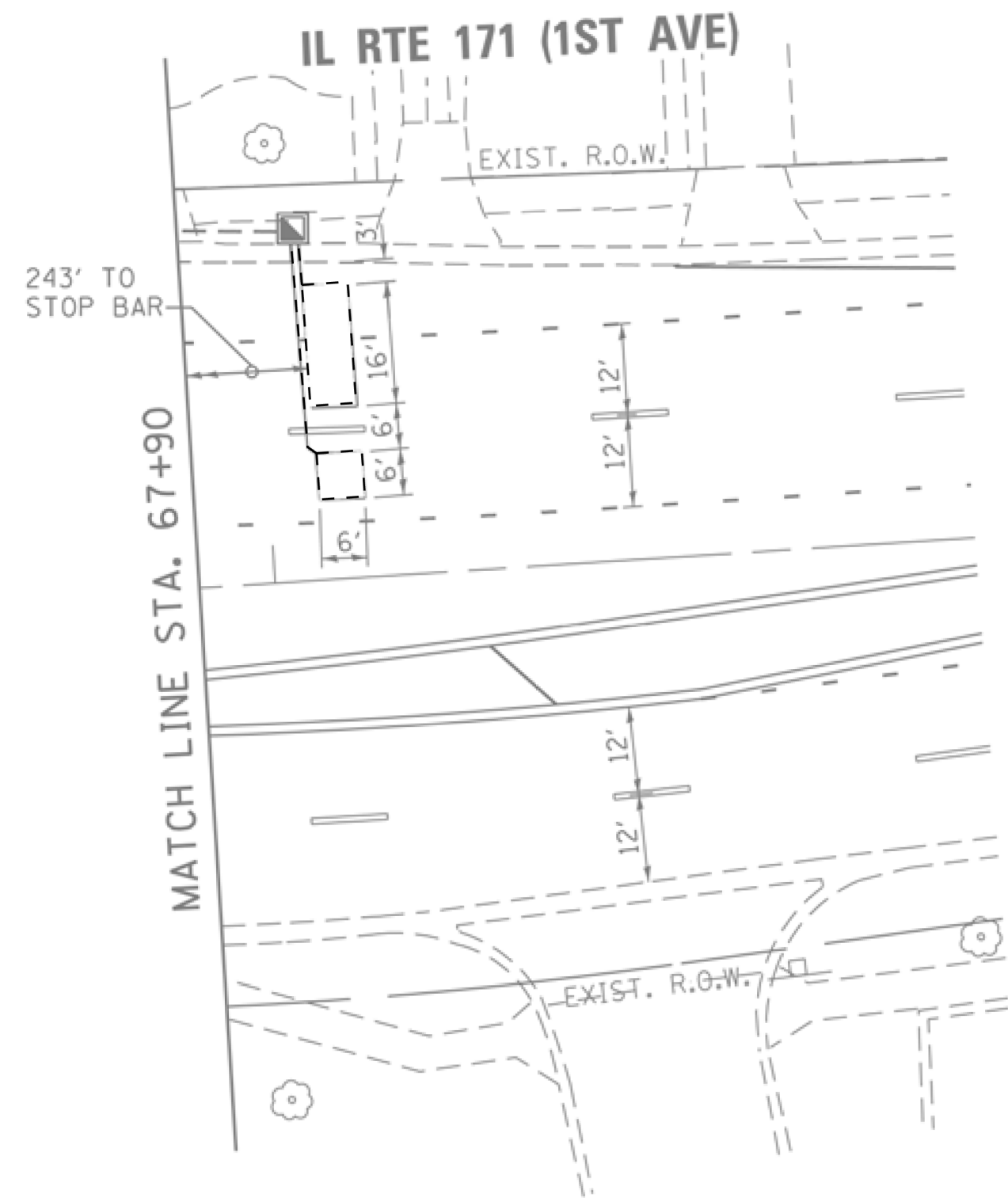
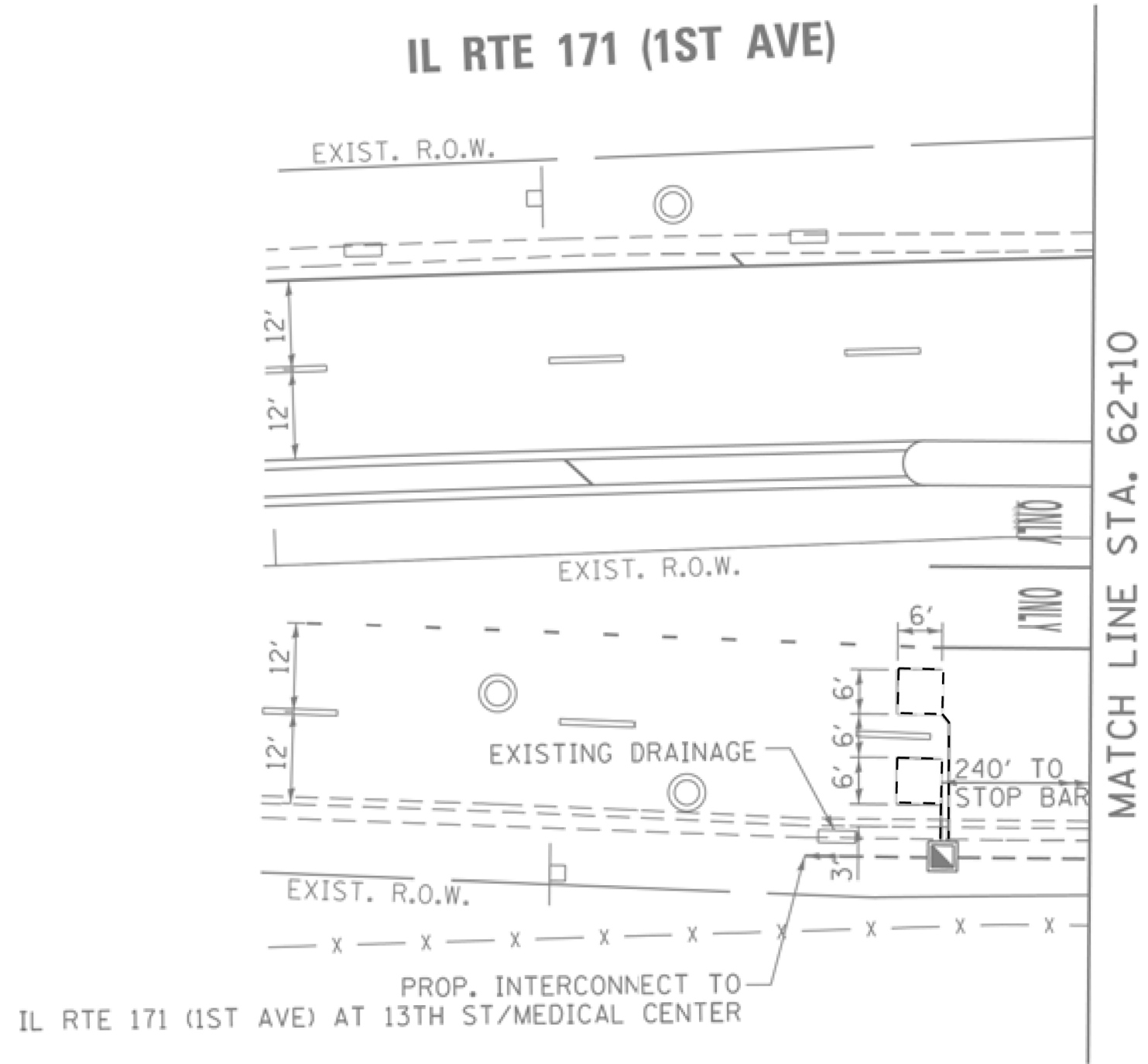
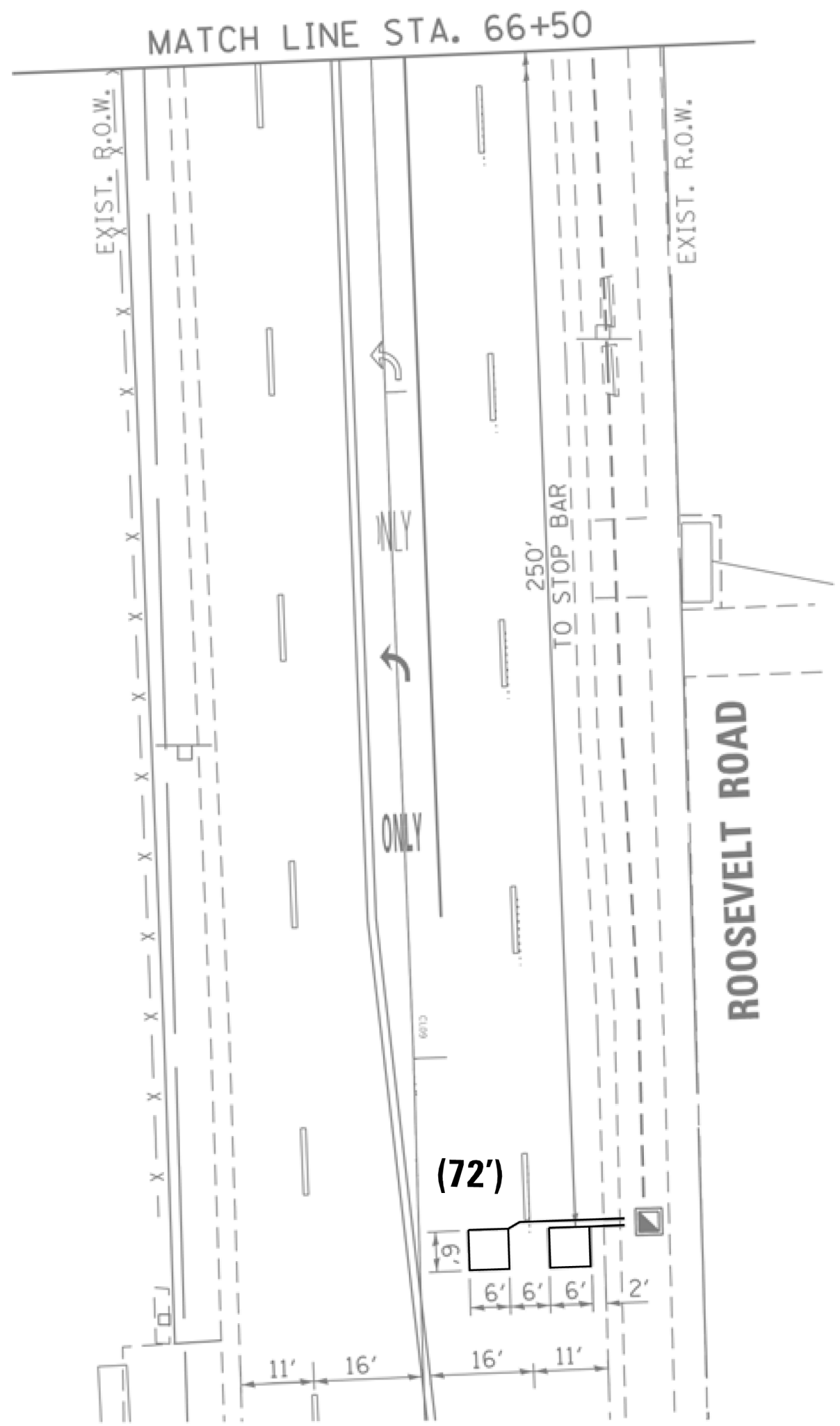
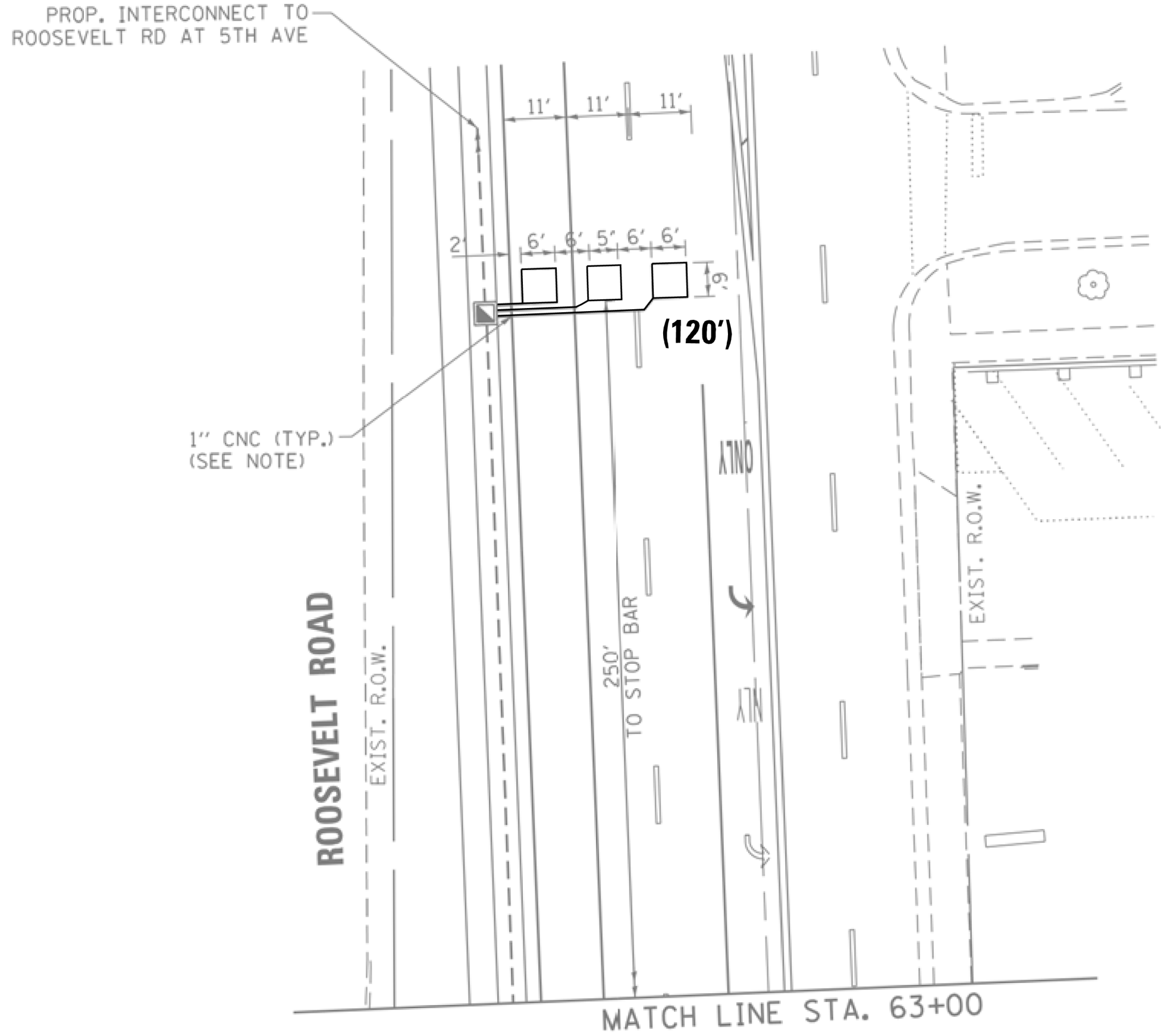
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	39
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

TS 3650
ECON 27

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MODEL: TS 22 (Sheet)
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TS 3650
ECON 27

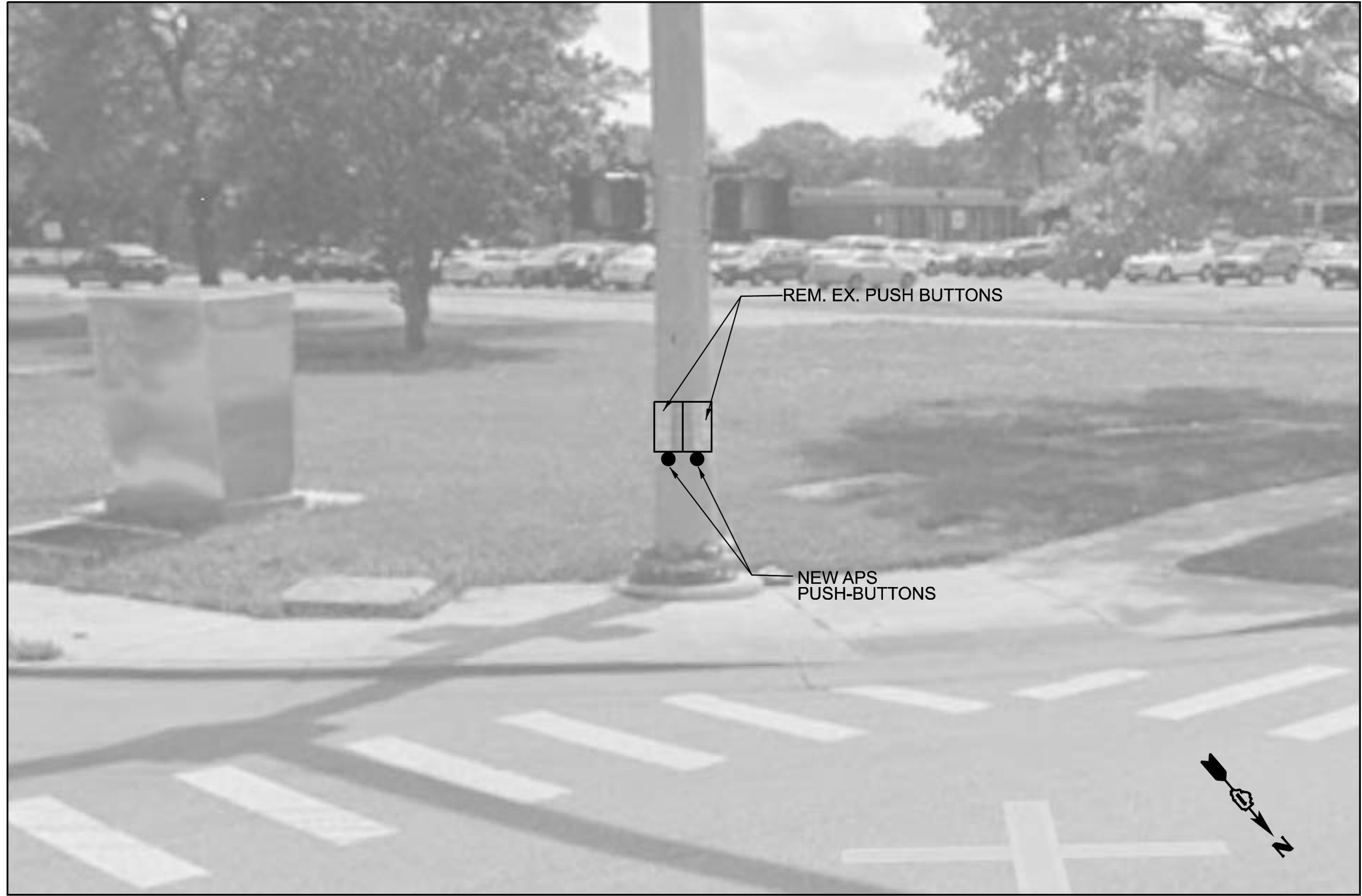
USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

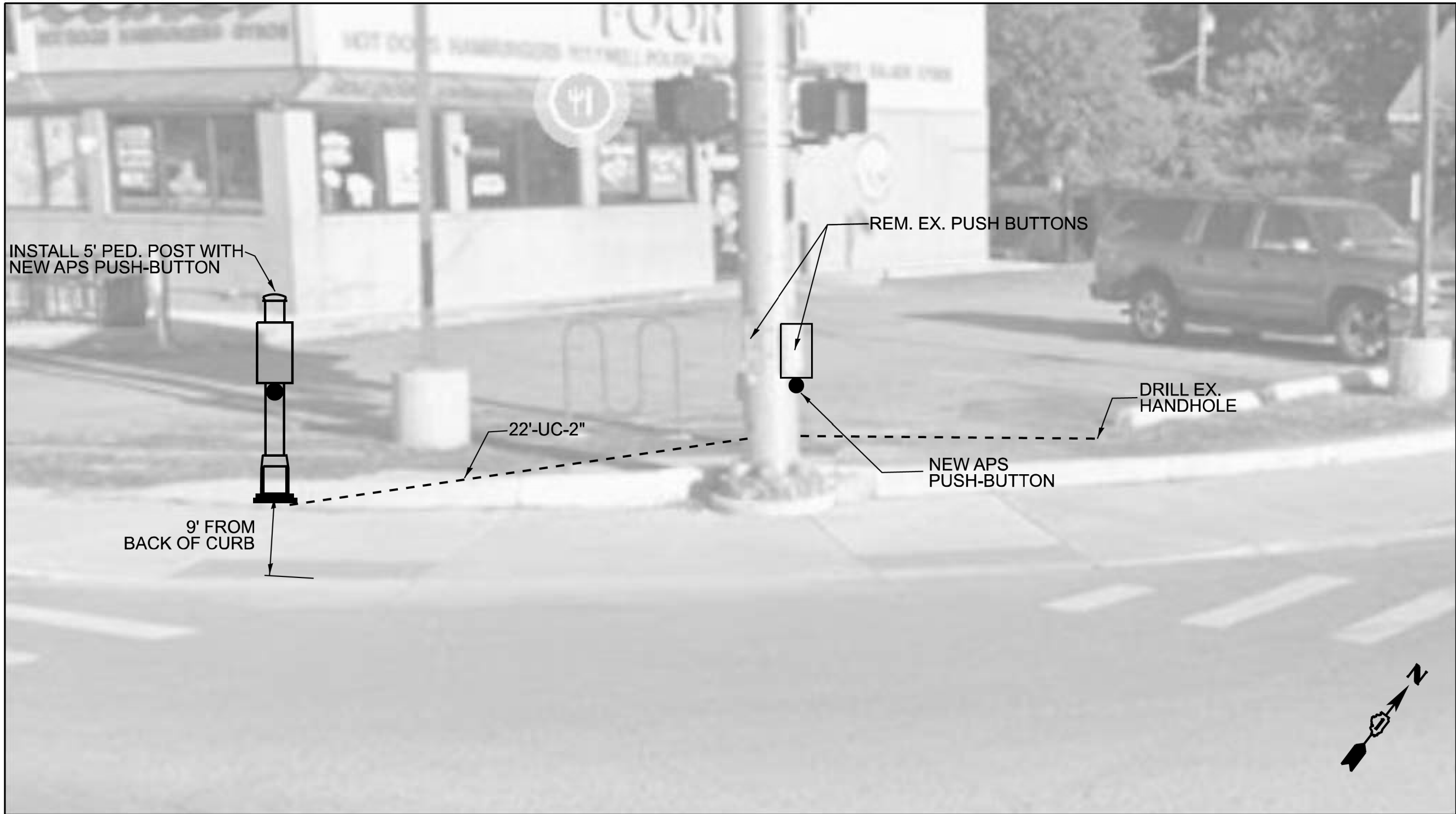
TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 2 OF 3)
ROOSEVELT ROAD AT IL- ROUTE 171 (1ST AVENUE)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	40
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				



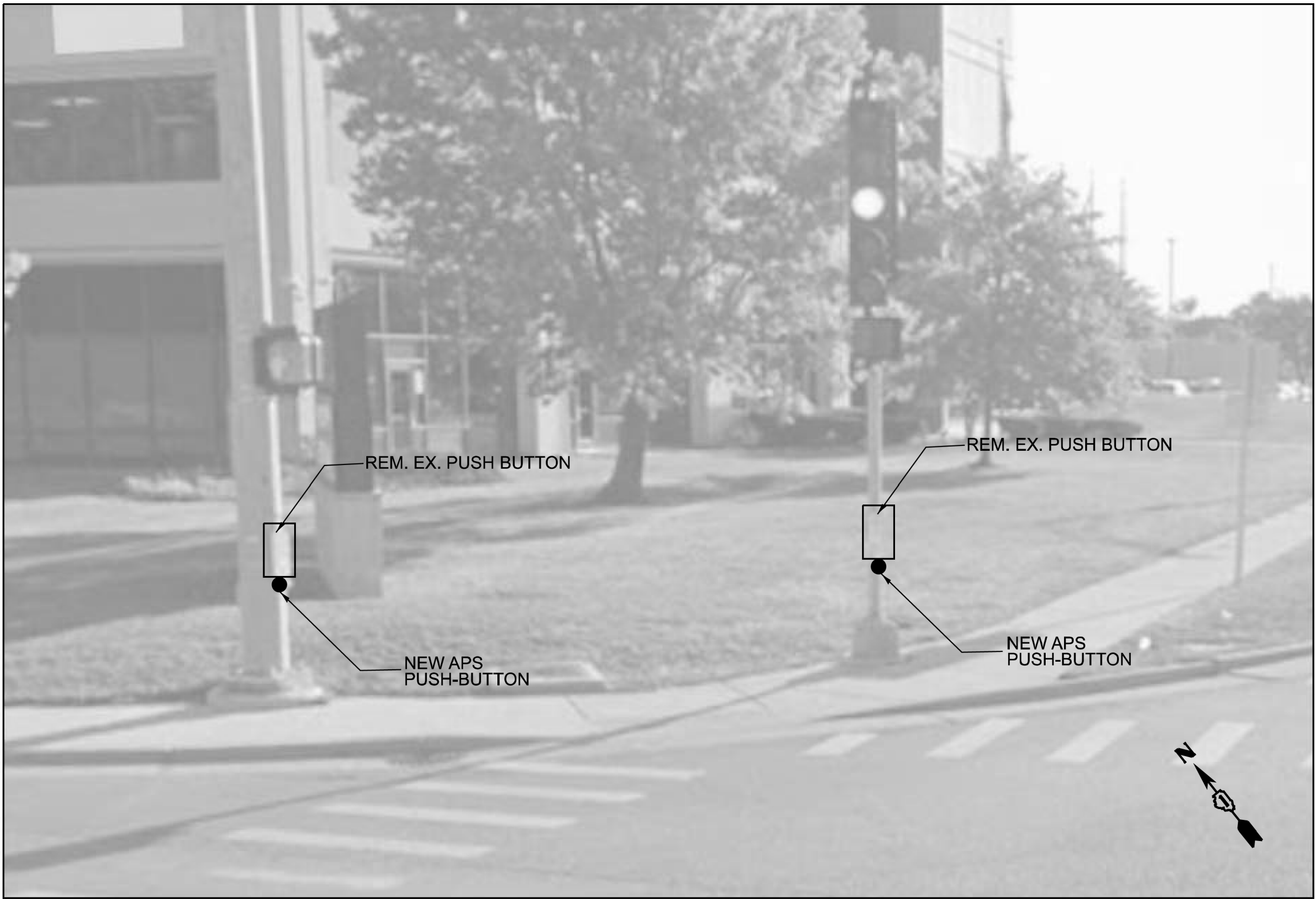
SOUTHWEST CORNER



NORTHWEST CORNER



SOUTHEAST CORNER



NORTHEAST CORNER

MODEL: TS 23 (Sheet)
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USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-
PLOT DATE	= 8/7/2026				

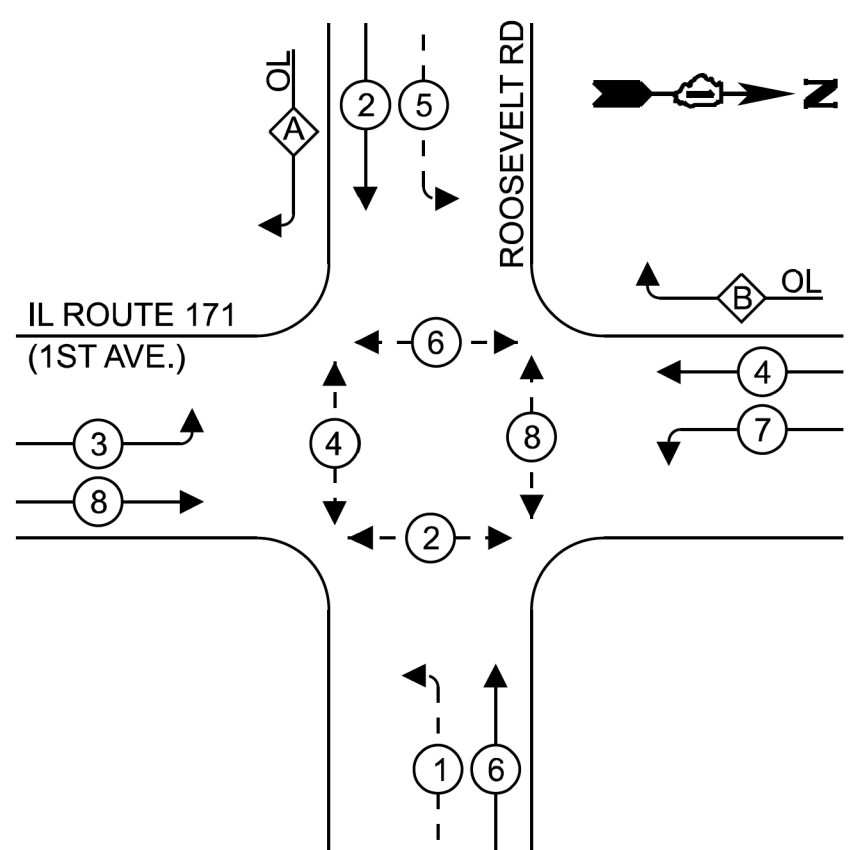
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN (SHEET 3 OF 3)
ROOSEVELT ROAD AT IL-ROUTE 171 (1ST AVENUE)**

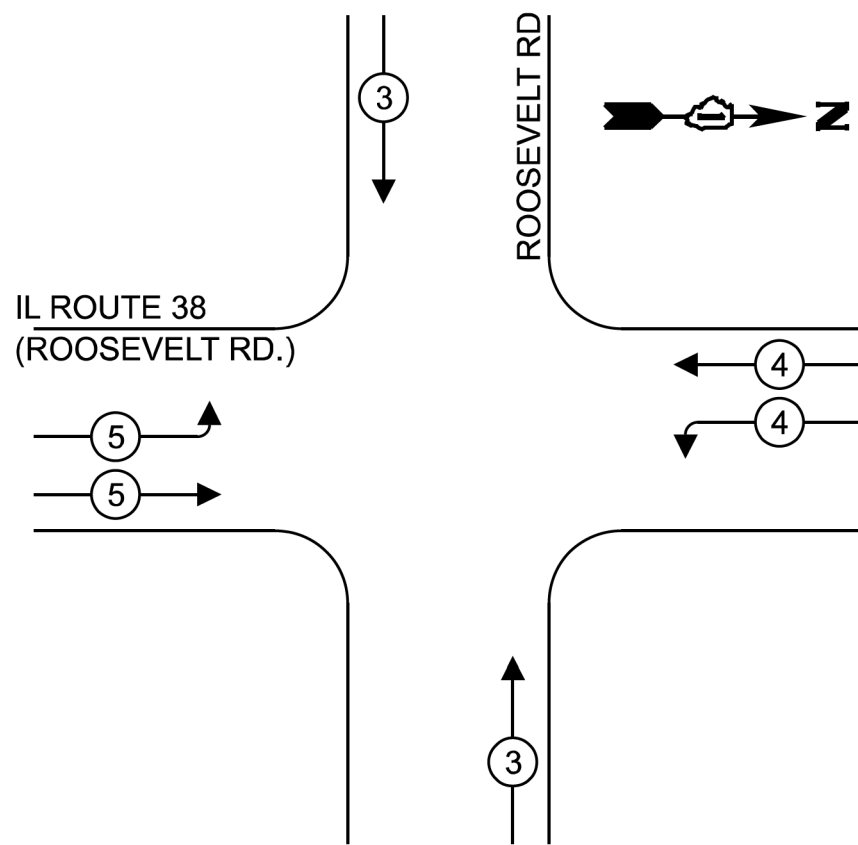
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	41
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

EXISTING AND PROPOSED
CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

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

LEGEND:

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

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	22
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	206
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	201
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	742
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	194
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	8	13	104
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
1	1	150	150
MASTER CONTROLLER	1	100	100
UPS	1	25	25
DETECTION RADAR	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-
TOTAL UPS SIZING	631		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1236		

ENERGY COSTS TO:

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

ENERGY SUPPLY: CONTACT: ERICKA IRBY
PHONE: 779-231-0633
COMPANY: COMED
ACCOUNT NUMBER: 11034-13000
METER NUMBER: 271180034

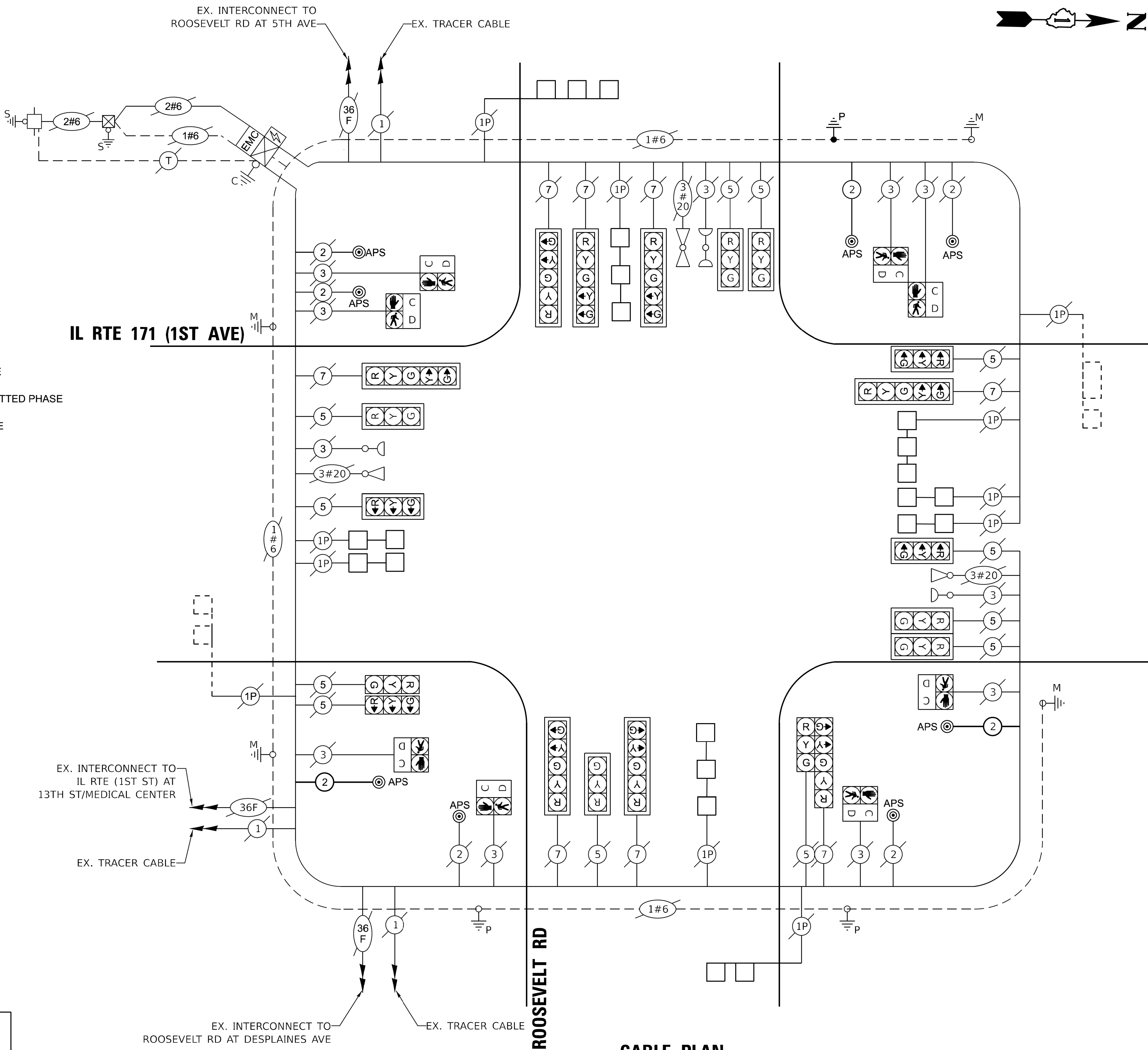
EX. INTERCONNECT TO
IL RTE (1ST ST) AT
13TH ST/MEDICAL CENTER

EX. TRACER CABLE

EX. INTERCONNECT TO
ROOSEVELT RD AT DESPLAINES AVE

EX. TRACER CABLE

CABLE PLAN



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
& EMERGENCY VEHICLE PREEMPTION SEQUENCE ROOSEVELT RD AT IL-171

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	42
CONTRACT NO. 80D75				
ILLINOIS FED. AID PROJECT				

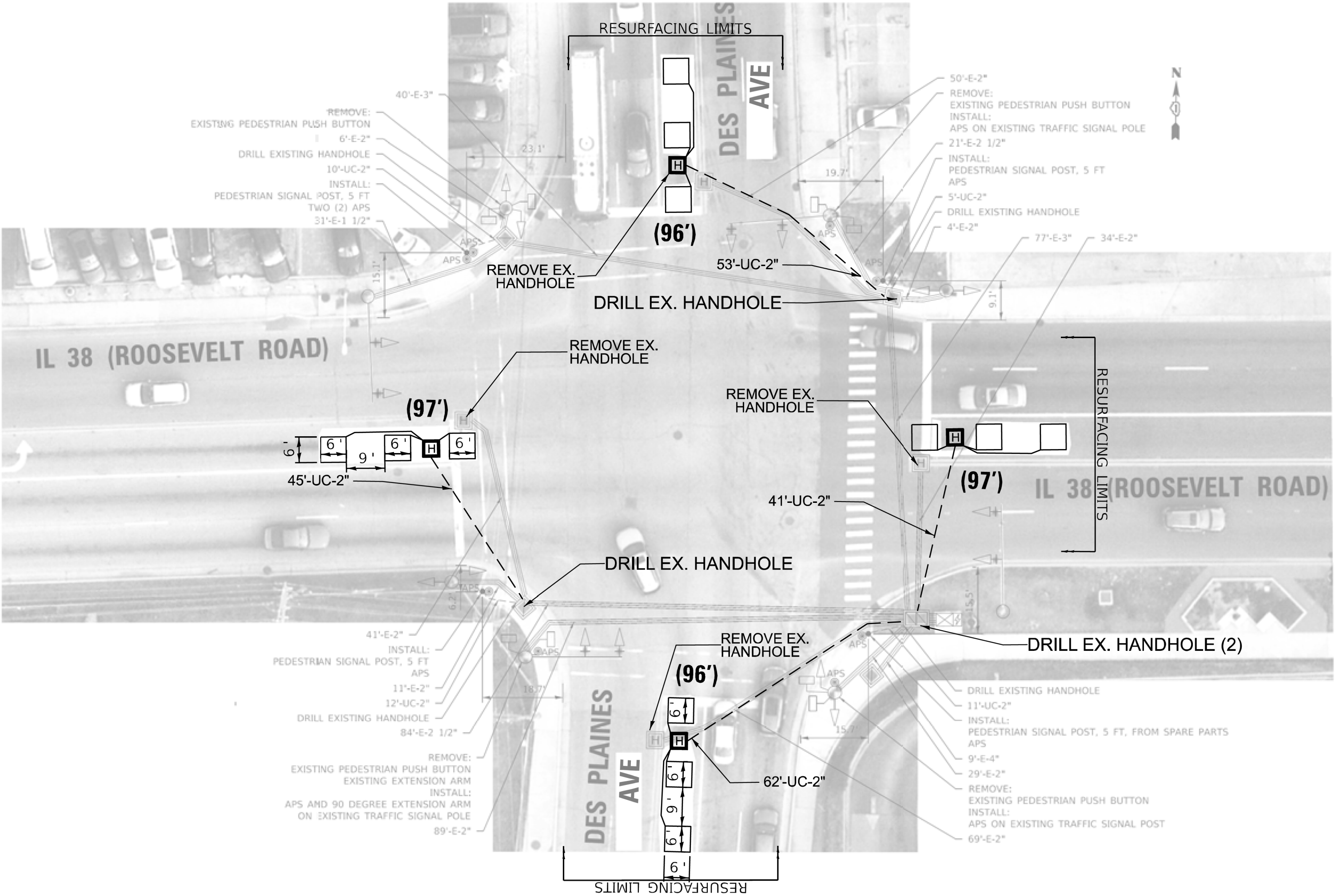
TS 3650
ECON 27

MODEL: TS-24 (Sheet)
FILE NAME: c:\pdp\work\pdp\hamwi\m11981780\127726-sht-TS.dgn

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.

2. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).



SCHEDULE OF QUANTITIES

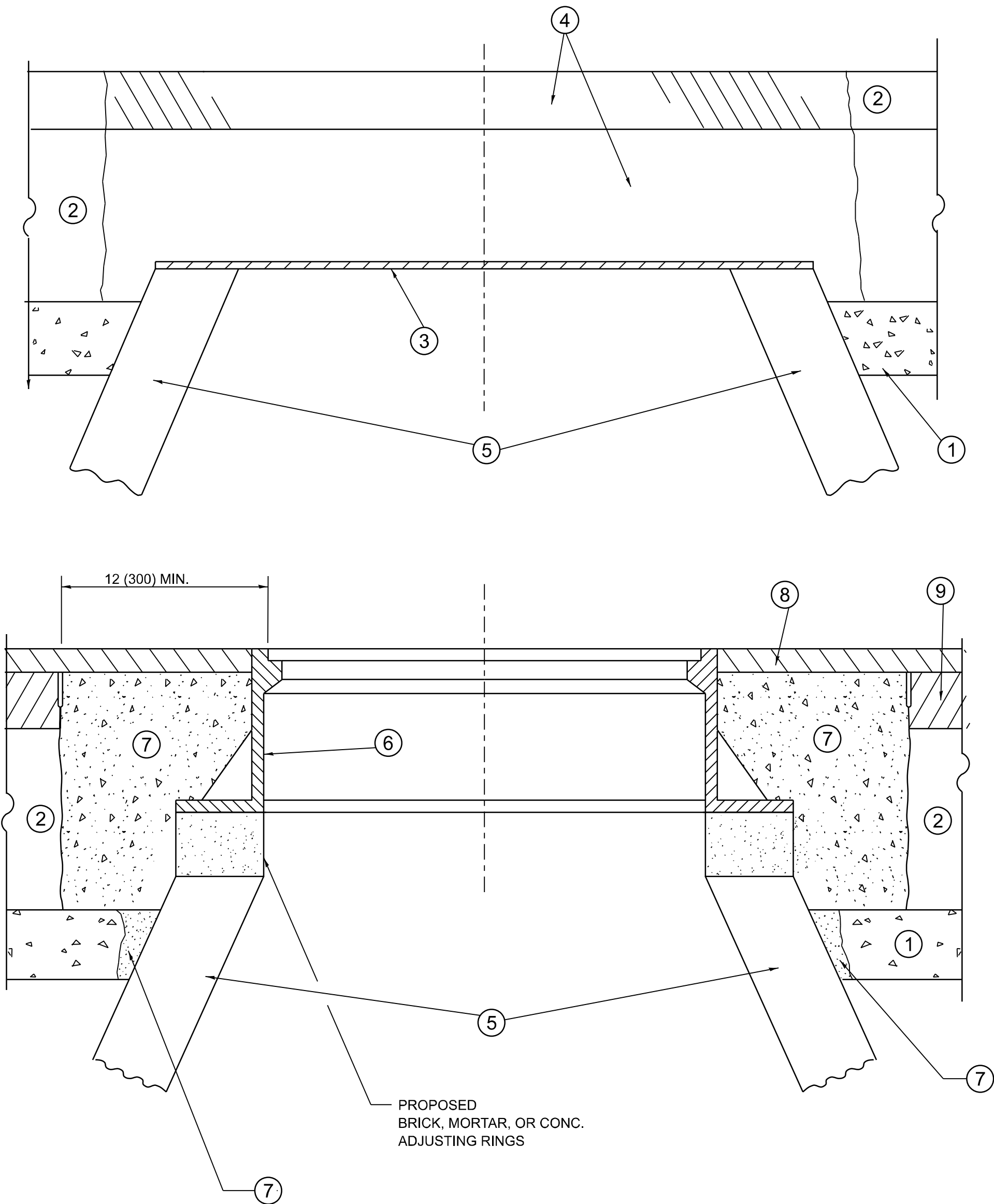
ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	201
HEAVY-DUTY HANDHOLE	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	231
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	386
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	222
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	256
REMOVE EXISTING HANDHOLE	EACH	4

TS 5000
ECON 29

MODEL: TS-25 [Sheet]
FILE NAME: c:\ppl_work\ppl\dwg\hamwi\11981780\12726-sh-1-TS.dgn

	USER NAME	= mohammad.hamwi	DESIGNED	-	REVISED	-	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN ROOSEVELT ROAD AT DES PLAINES AVENUE	SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-	REVISED	-									347	2026-2260-RS,SW	COOK	62	43
			CHECKED	-	REVISED	-									CONTRACT NO. 80D75				
	PLOT DATE	= 8/7/2026	DATE	-	REVISED	-									ILLINOIS FED. AID PROJECT				

MODEL: BD-08 [Sheet]
FILE NAME: c:\pav_work\pavdetail\hamwi\md11981780\12726-sht-Dia\Sts.dgn



DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING

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.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* 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-2* 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.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

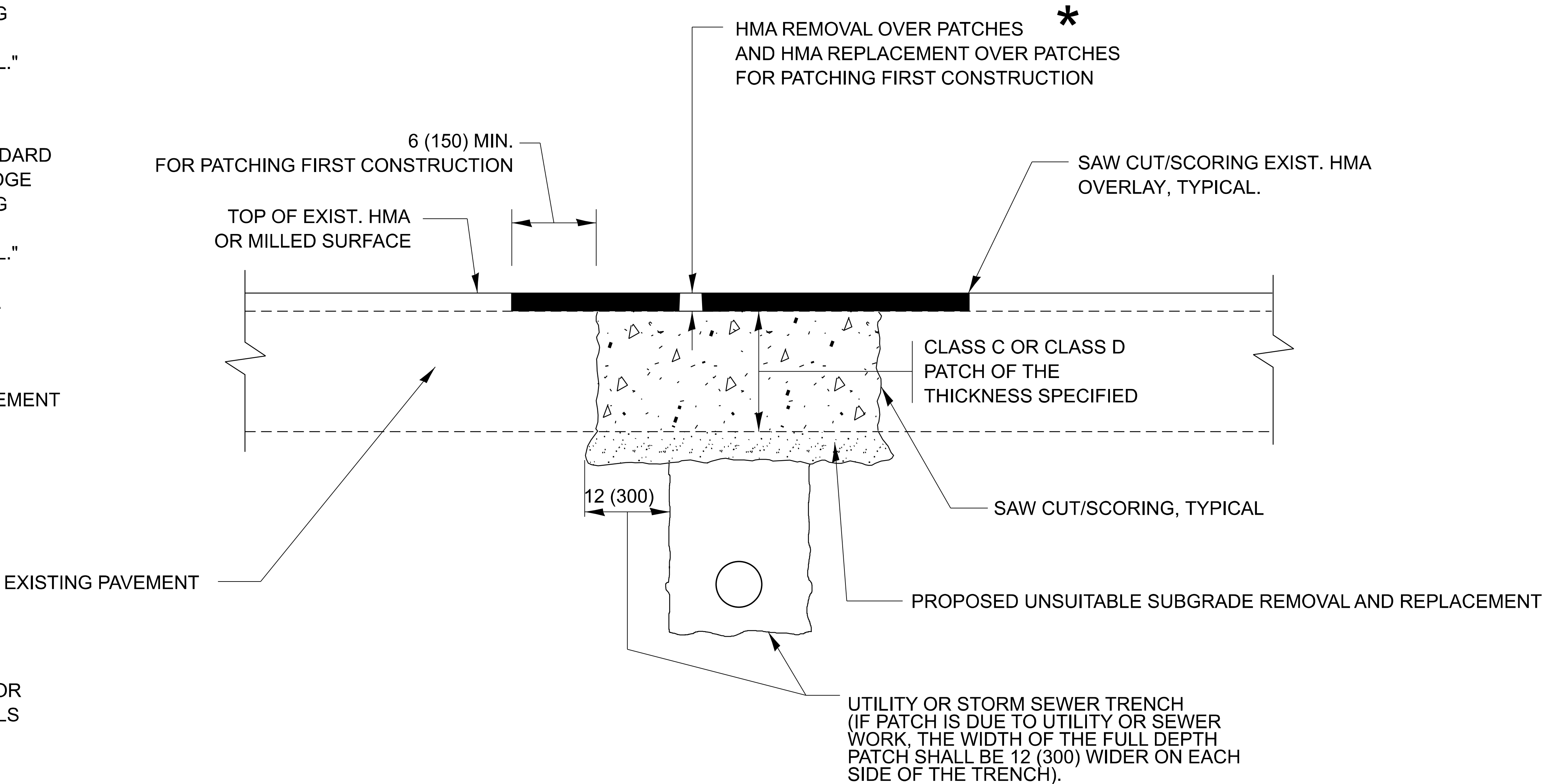
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		DRAWN -	REVISED - R. BORO 12-06-11						347	2026-2260-RS,SW	COOK	62	44
		CHECKED -	REVISED - K. SMITH 11-18-22						BD600-03 (BD-08)		CONTRACT NO. 80D75		
	PLOT DATE = 8/7/2026	DATE - 10-25-94	REVISED - K. SMITH 09-15-23						SCALE: NONE	SHEET 1	OF 1	SHEETS STA.	TO STA.
									ILLINOIS		FED. AID PROJECT		

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



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.

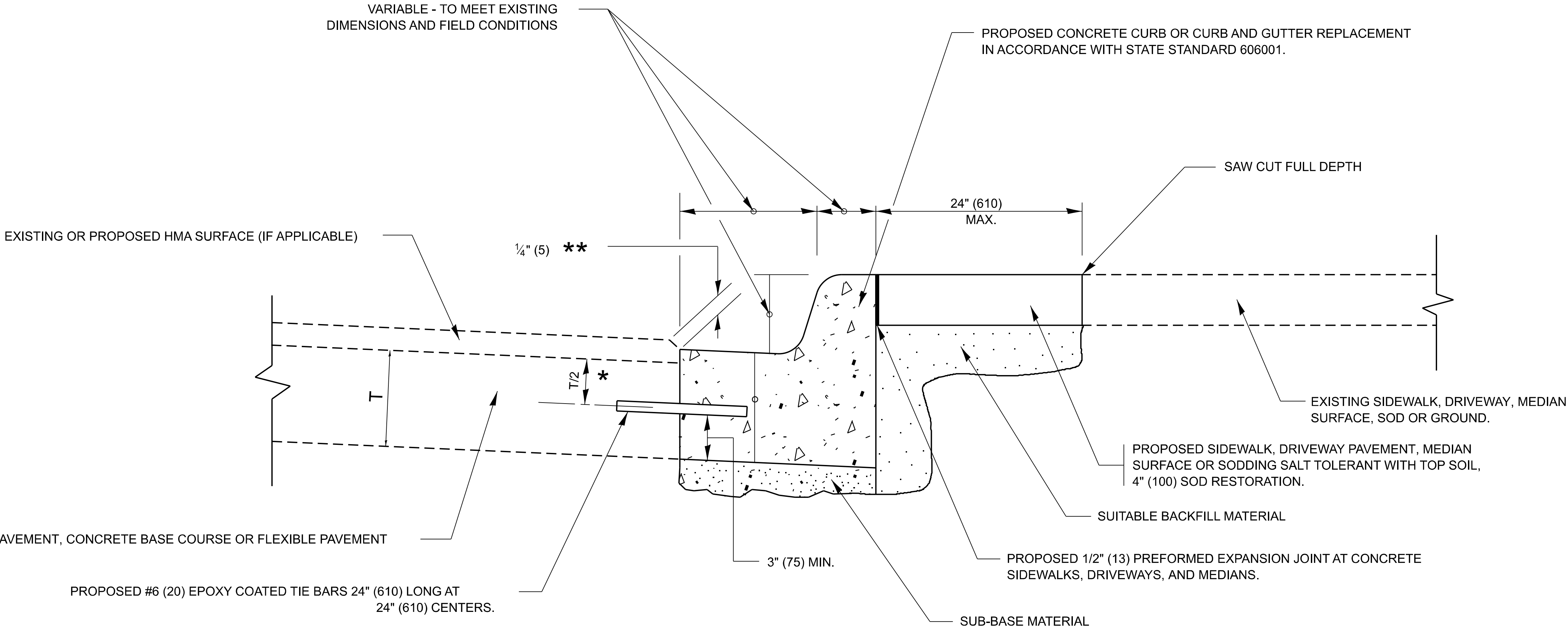
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 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.

MODEL: BD-22 [Sheet]
FILE NAME: c:\pav_work\pavitch\hamw\ind11981780\12726-shd-DiaSta.dgn

	USER NAME	= mohammad.hamwi	DESIGNED	-	R. SHAH	REVISED	-	R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN	-		REVISED	-	R. BORO 09-04-07						347	2026-2260-RS,SW	COOK	62	45
			CHECKED	-		REVISED	-	K. ENG 10-27-08						BD400-04 (BD-22)		CONTRACT NO. 80D75		
	PLOT DATE	= 8/6/2026	DATE	-	10-25-94	REVISED	-	K. SMITH 11-18-22		ILLINOIS FED. AID PROJECT								
										SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			



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

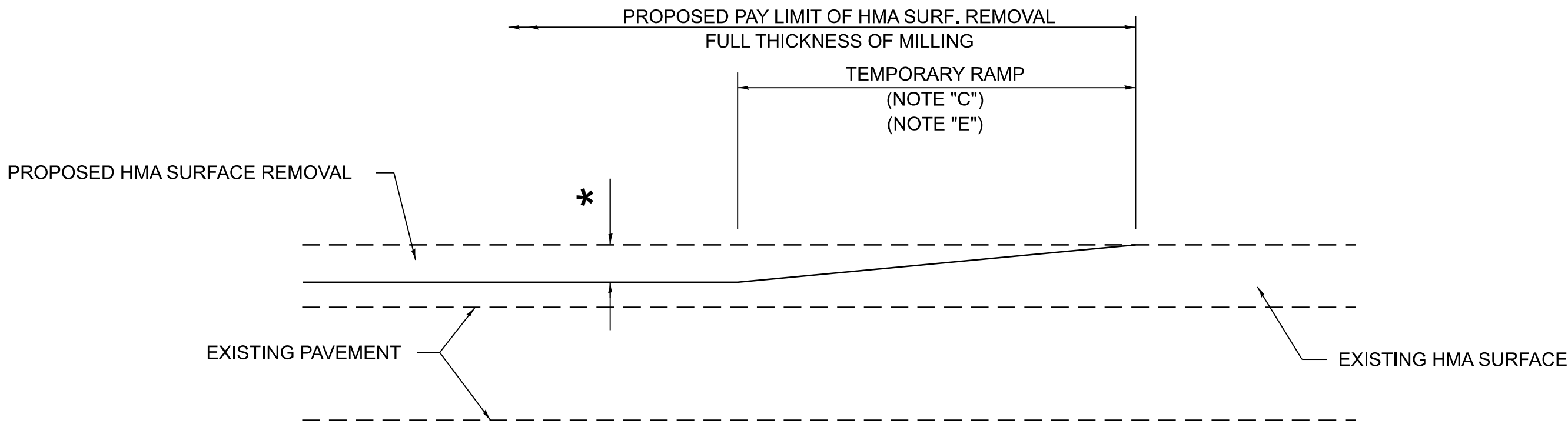
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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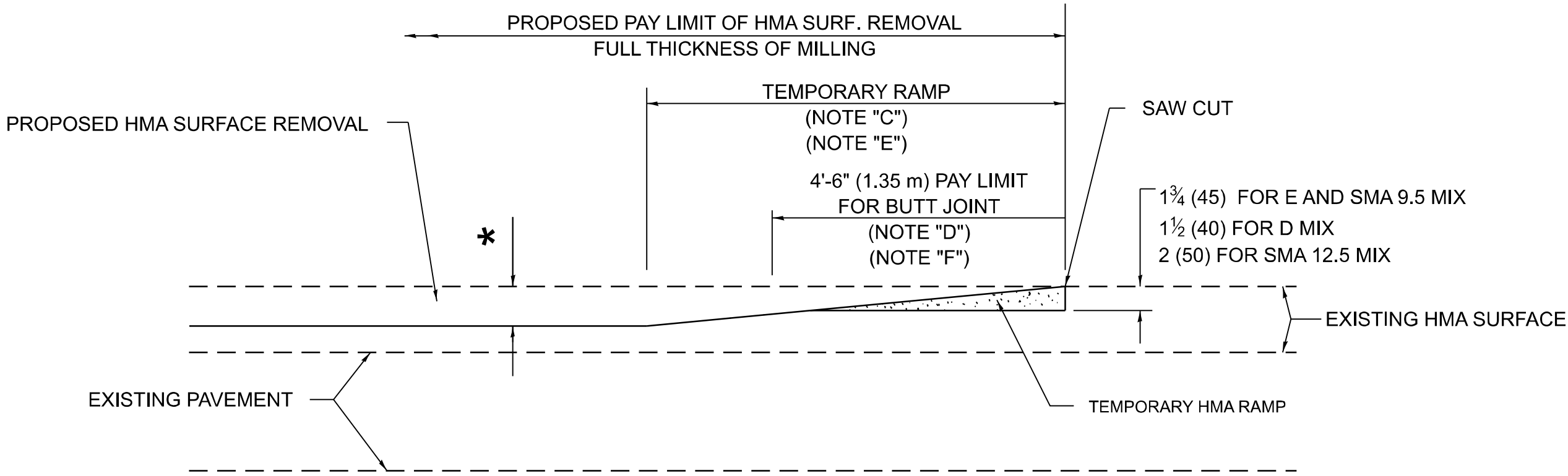
	USER NAME	* mohammad.hamwi	DESIGNED	- A. HOUSEH	REVISED	- A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN	-	CHECKED	-	REVISED	- M. GOMEZ 01-22-01					347	2026-2260-RS,SW	COOK	62	46
	PLOT DATE	= 8/7/2026	DATE	- 03-11-94	REVISED	- R. BORO 12-15-09					BD600-06 (BD-24)		CONTRACT NO. 80D75		
					REVISED	- K. SMITH 07-11-19					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA. TO STA.

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

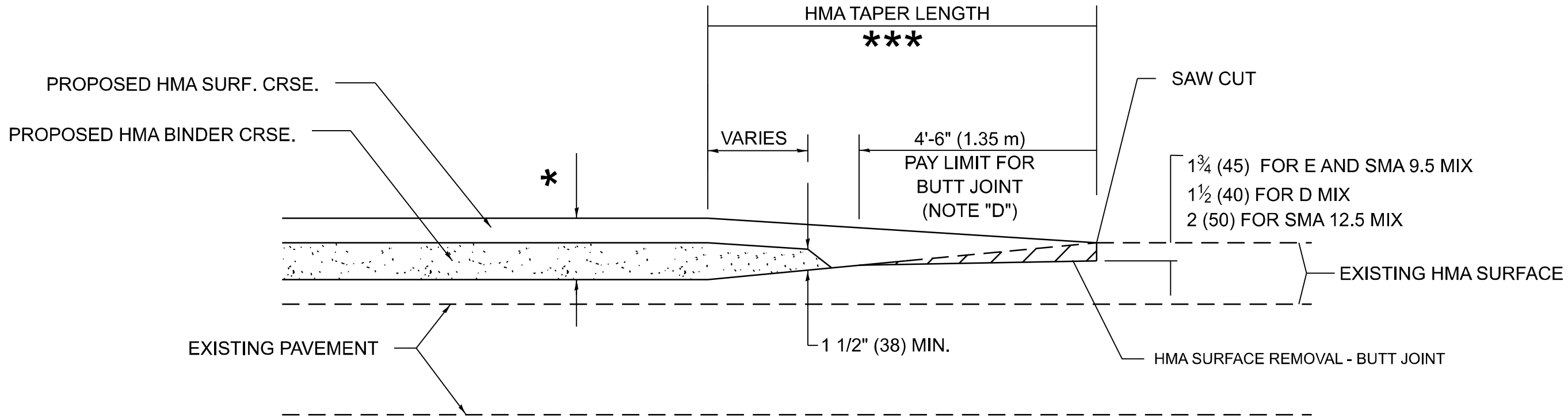
OPTION 1



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

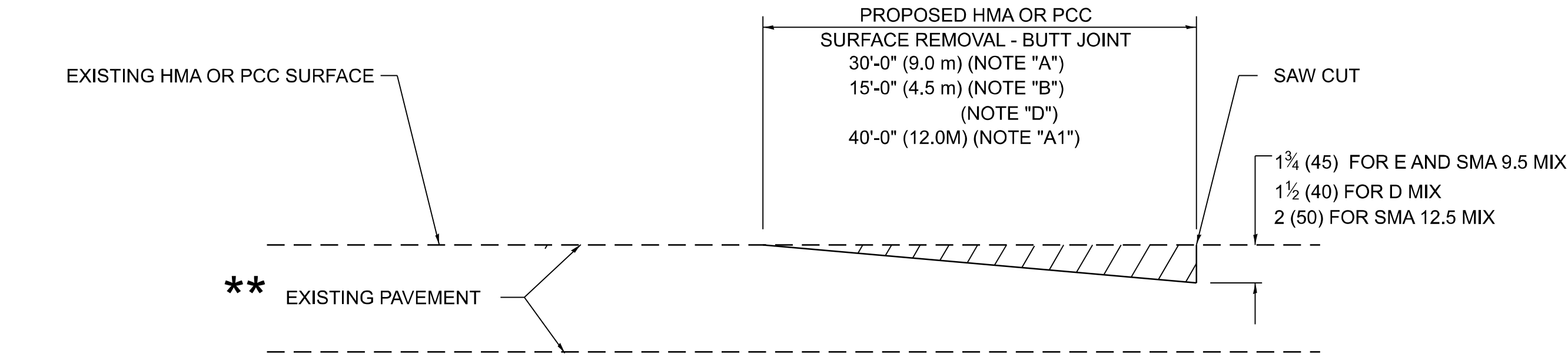
OPTION 2

TYPICAL TEMPORARY RAMP

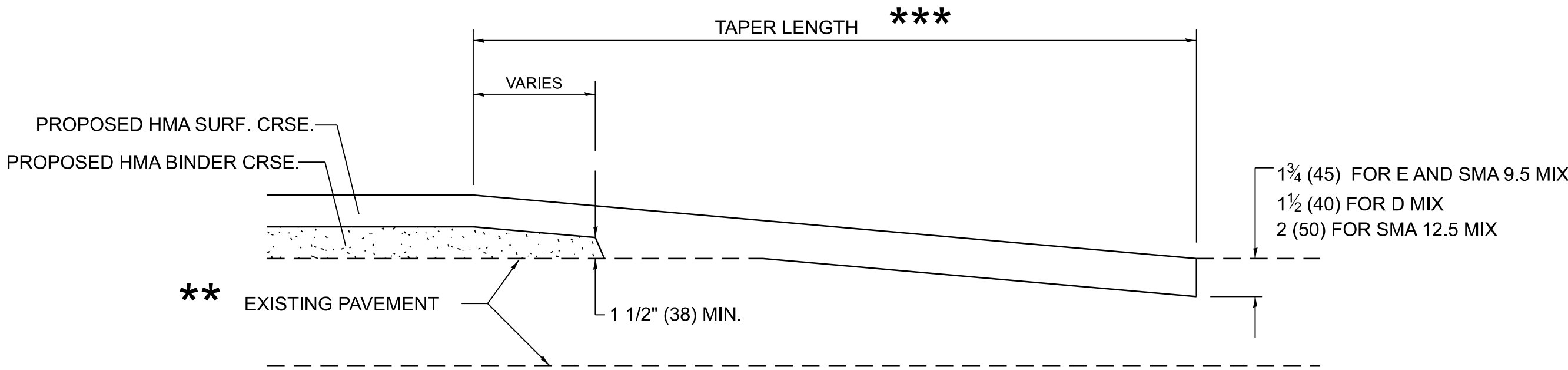


**BUTT JOINT AND
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

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

20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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

USER NAME	= mohammad.hamwi	DESIGNED	-	M. DE YONG	REVISED	-	A. ABBAS 03-21-97
		DRAWN	-		REVISED	-	M. GOMEZ 04-06-01
		CHECKED	-		REVISED	-	R. BORO 01-01-07
PLOT DATE	= 8/7/2026	DATE	-	06-13-90	REVISED	-	K. SMITH 11-18-22

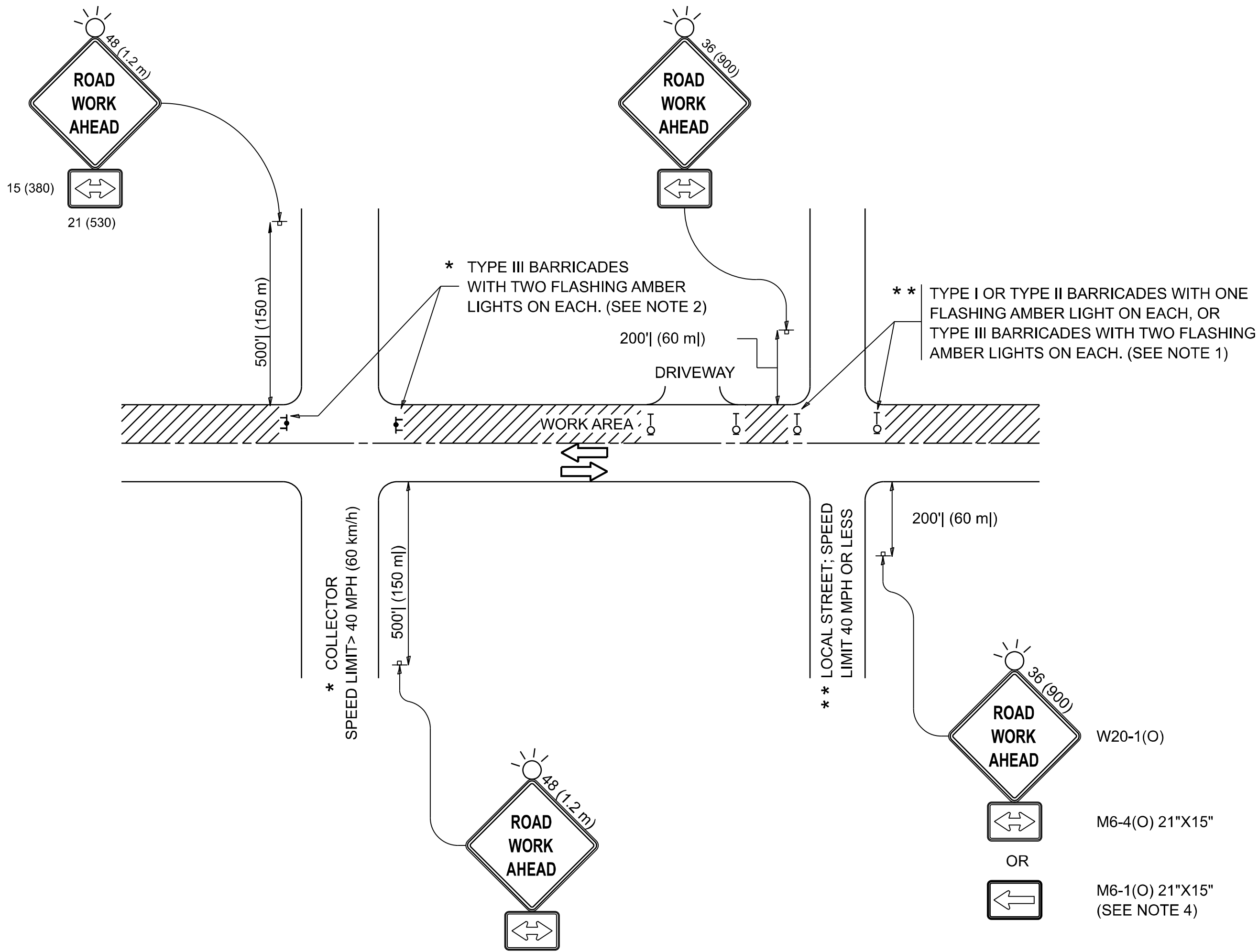
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	47
BD400-05 BD-32		CONTRACT NO. 80D75		
		ILLINOIS	FED. AID PROJECT	

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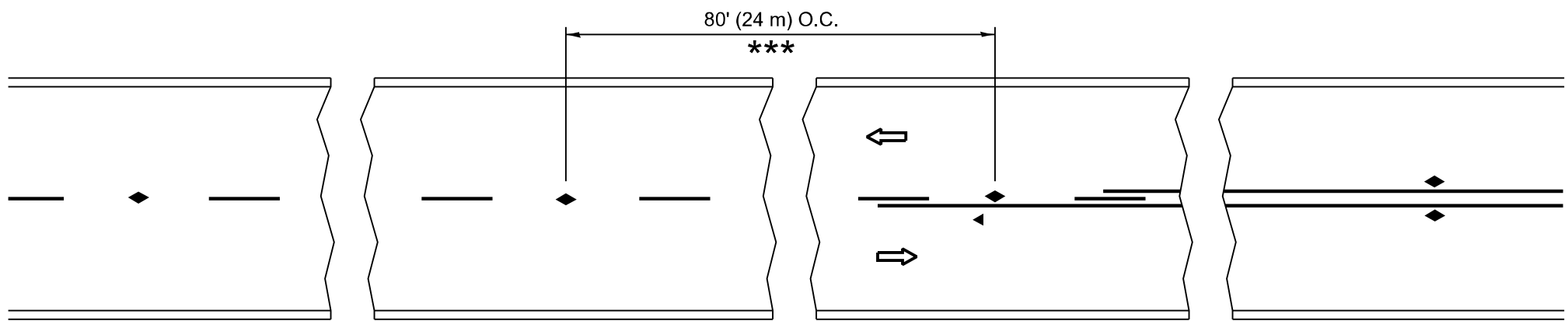


NOTES:

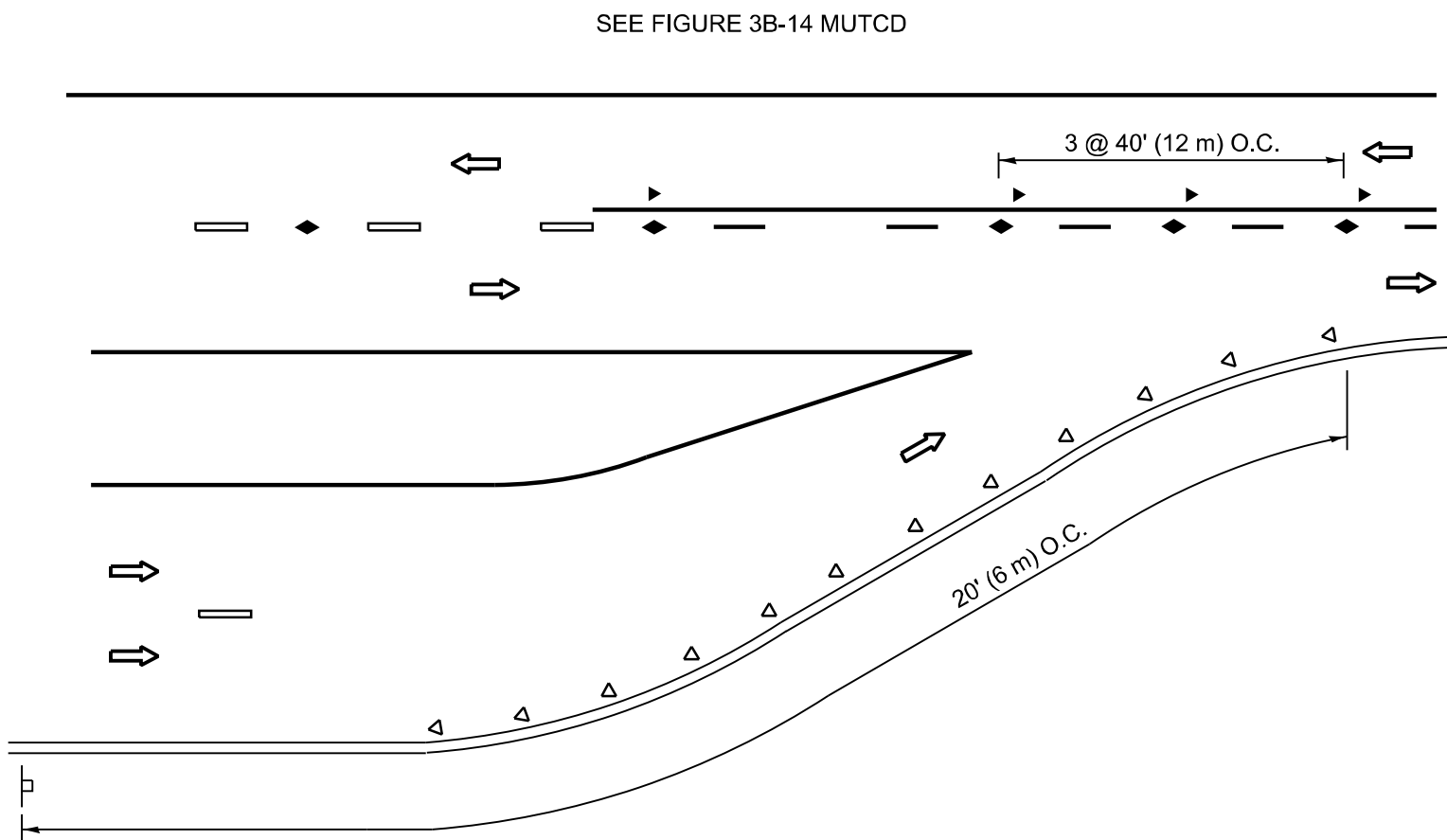
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD WORK AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD WORK AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

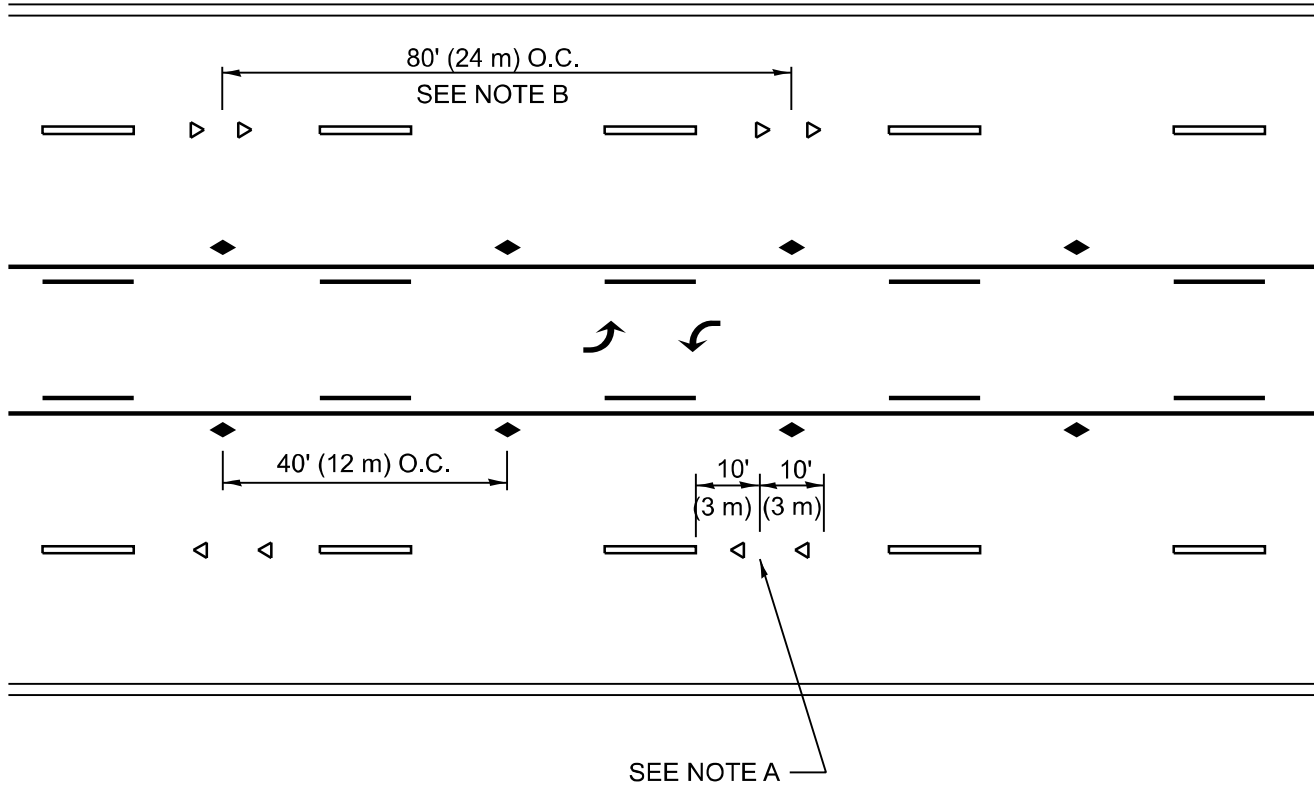
	USER NAME	= mohammad.hamwi	DESIGNED	-	L.H.A.	REVISED	-	A. SCHUETZE 07-01-13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN	-	CHECKED	-		REVISED	-	D. SENDERAK 05-03-25							347	2026-2260-RS,SW	COOK	62	48
	PLOT DATE	= 8/7/2026	DATE	-	06-89	REVISED	-	D. SENDERAK 09-15-26							TC-10		CONTRACT NO. 80D75		
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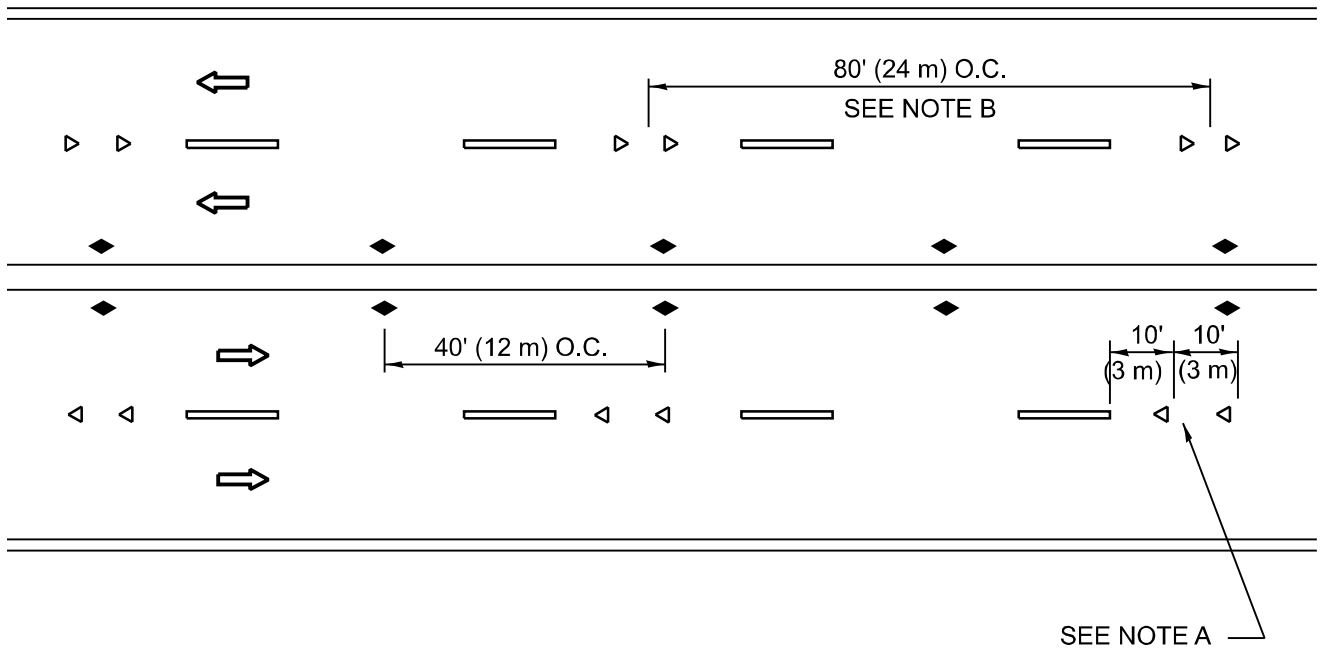
TWO-LANE/TWO-WAY



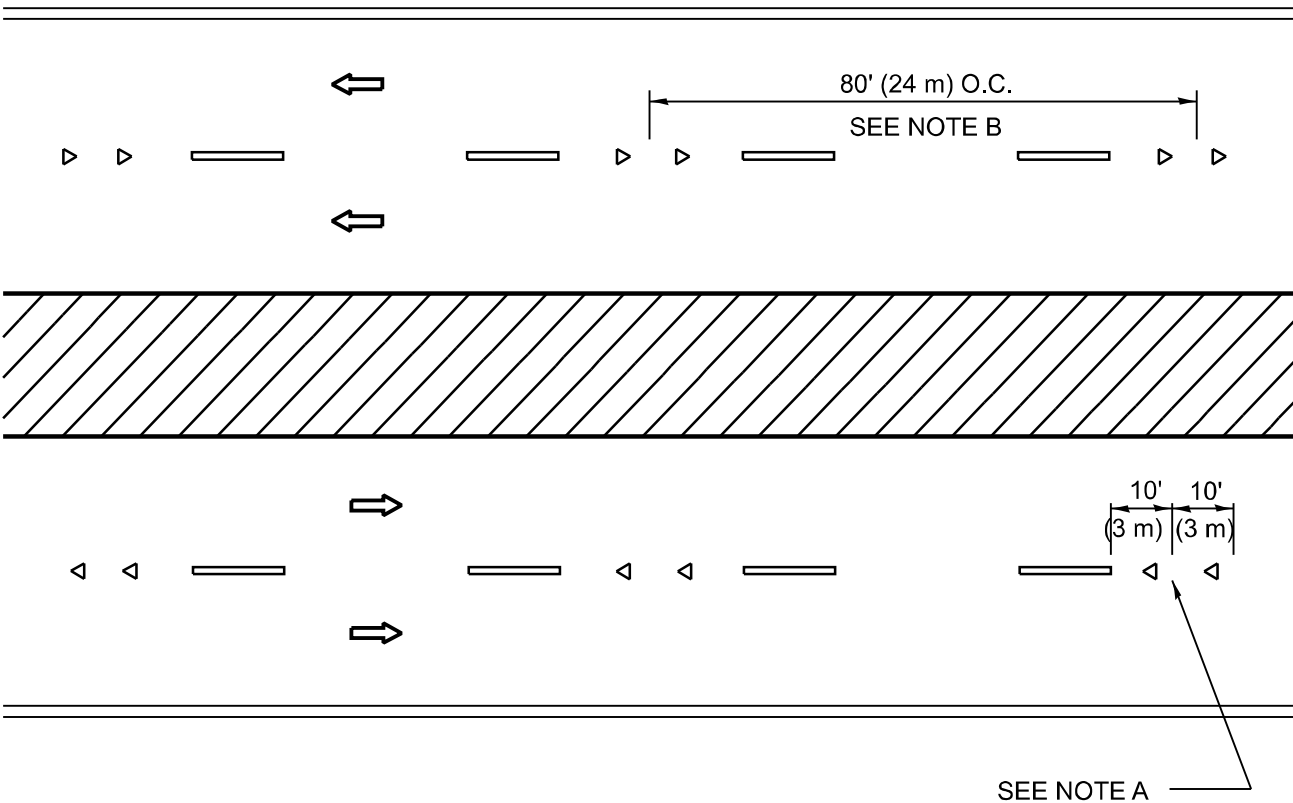
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

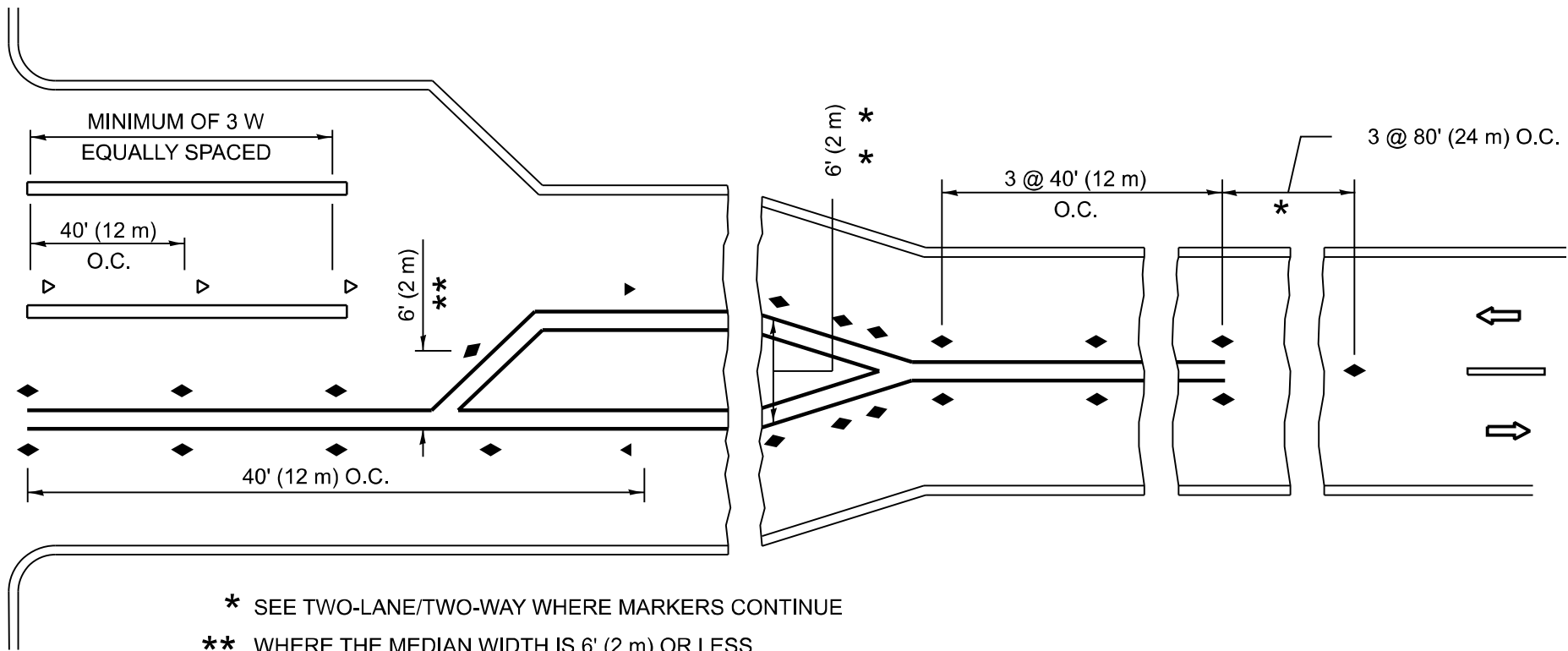
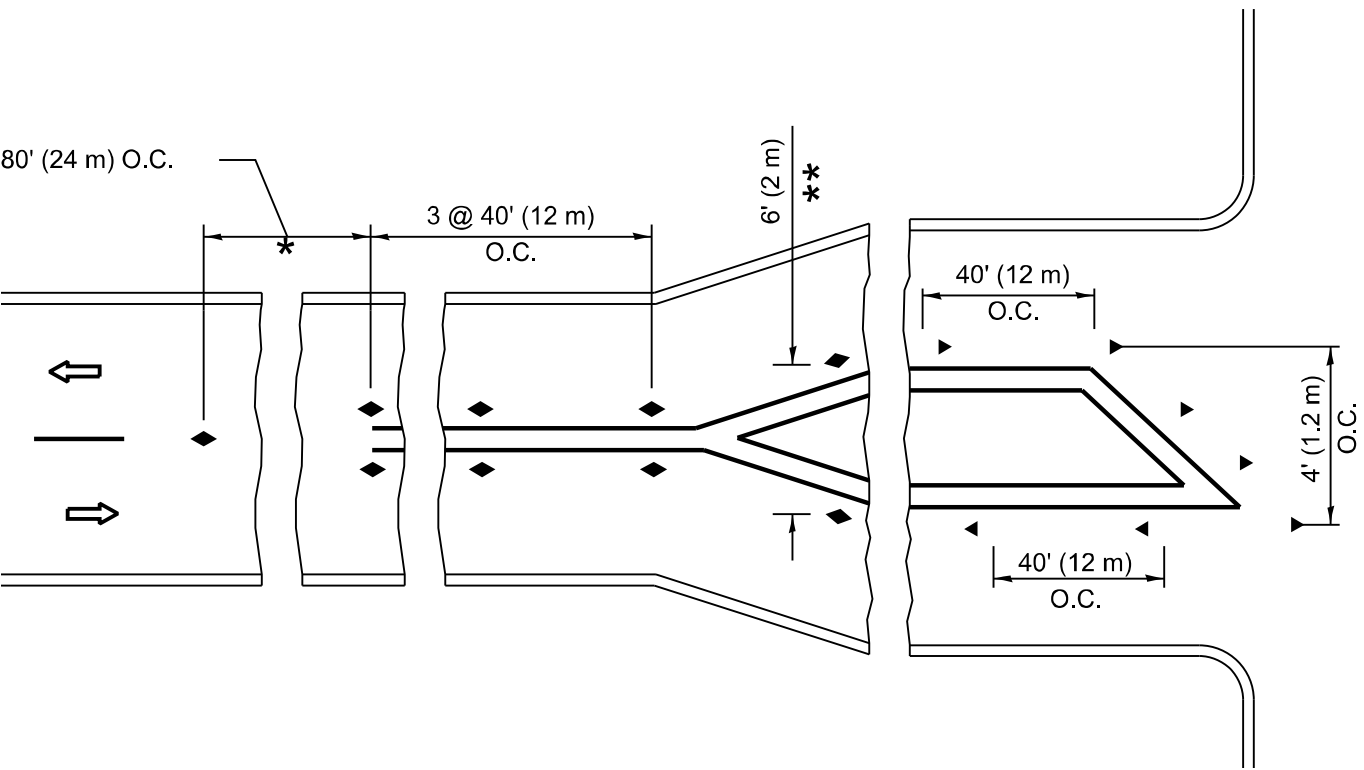
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

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

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



TURN LANES

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

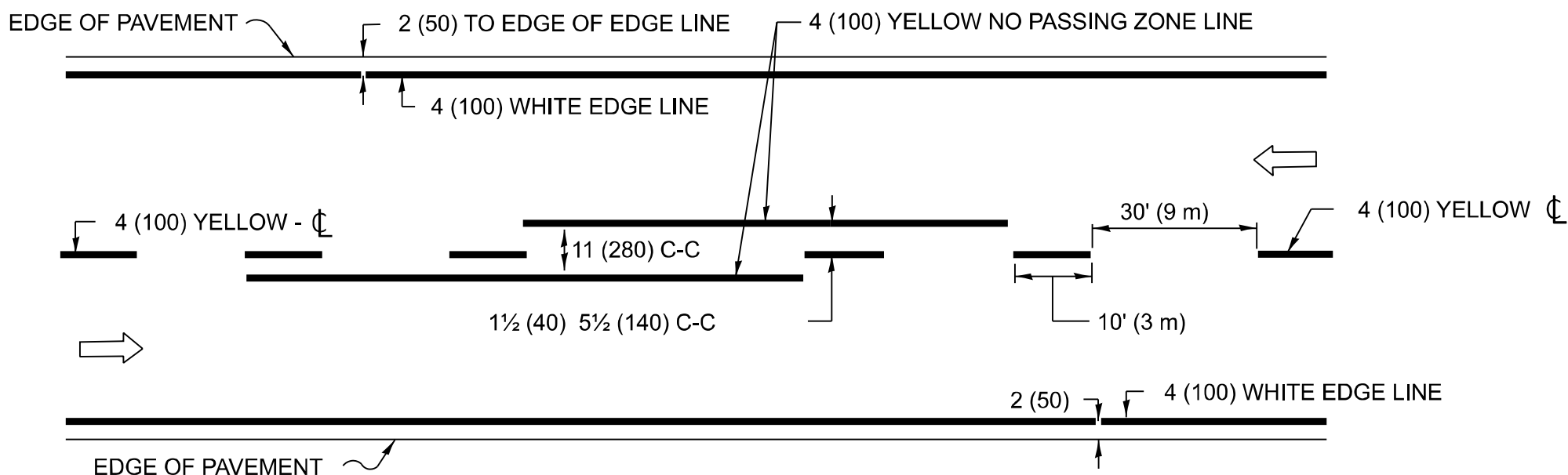
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

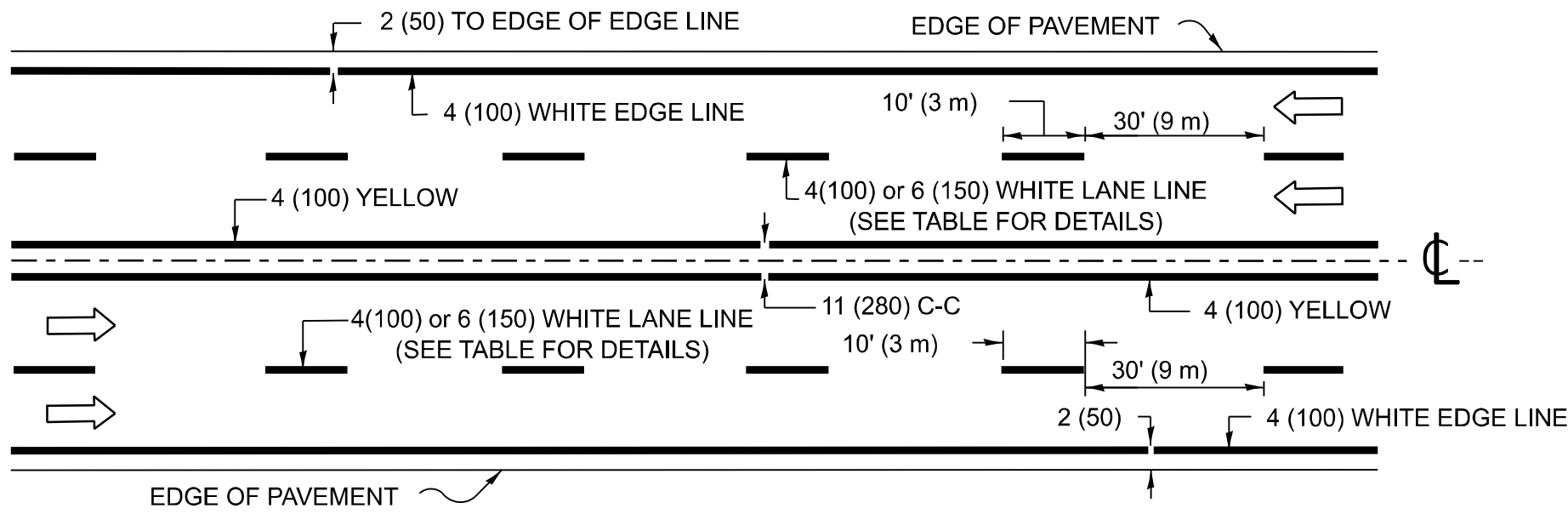
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347	2026-2260-RS,SW	COOK	62	49
TC-11		CONTRACT NO. 80D75		
		ILLINOIS	FED. AID PROJECT	

USER NAME	* mohammad.hamwi	DESIGNED	-	REVISED	- T. RAMMACHER 03-12-99
		DRAWN	-	REVISED	- T. RAMMACHER 01-06-00
		CHECKED	-	REVISED	- C. JUCIUS 09-09-09
PLOT DATE	= 8/7/2026	DATE	-	REVISED	- C. JUCIUS 07-01-13

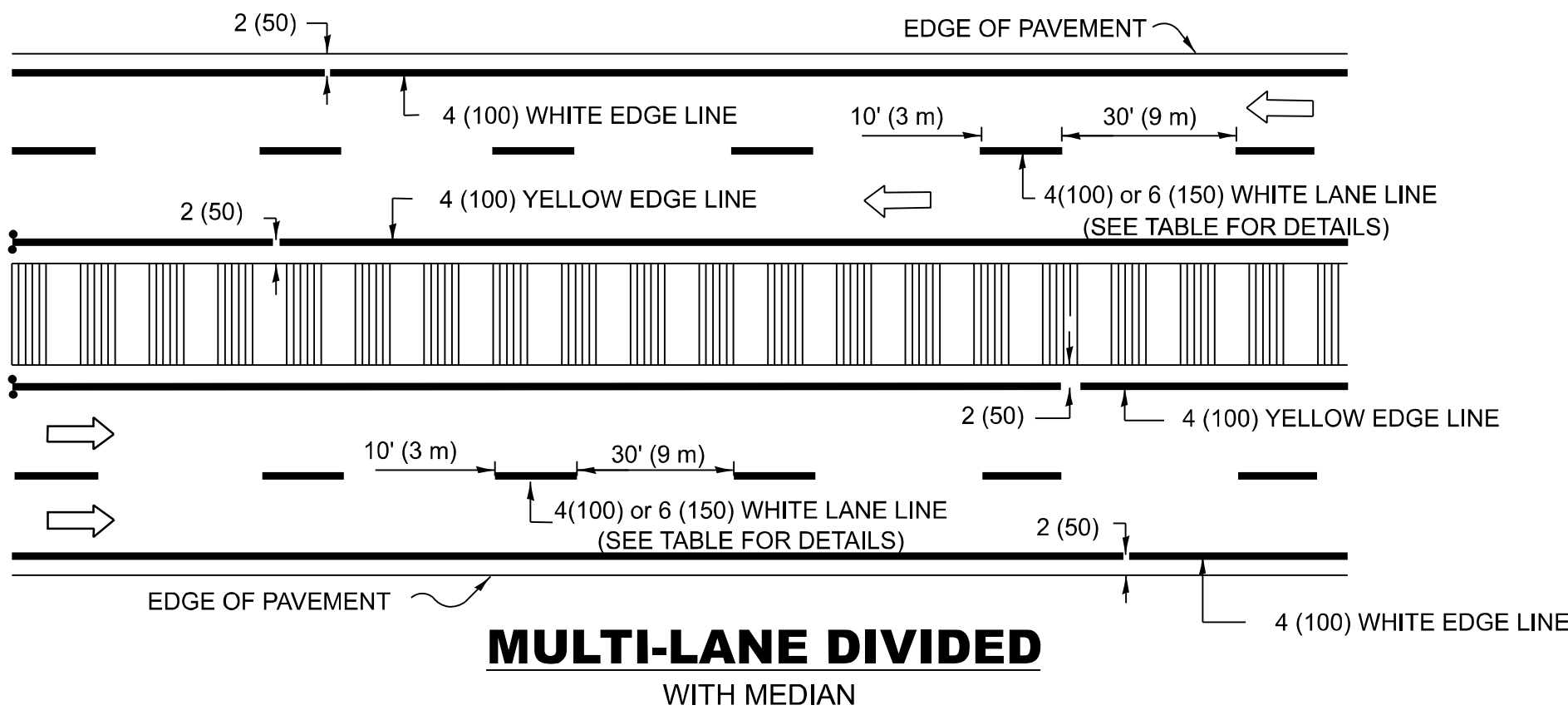
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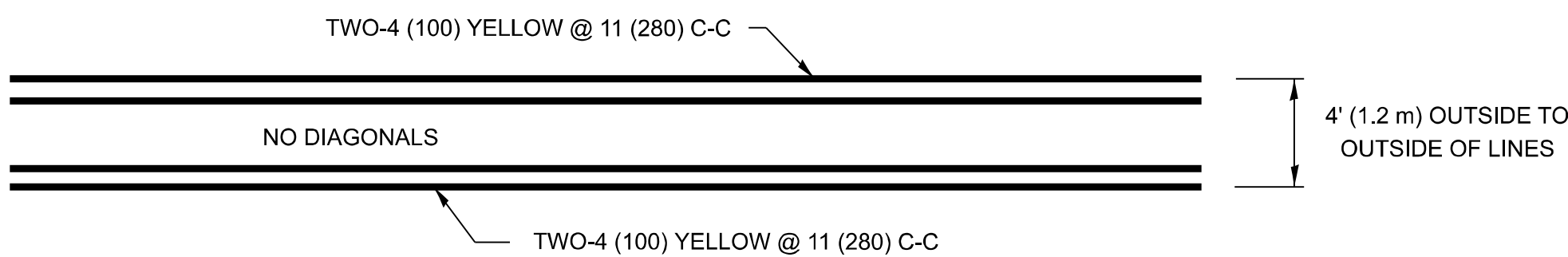
2-LANE ROADWAY



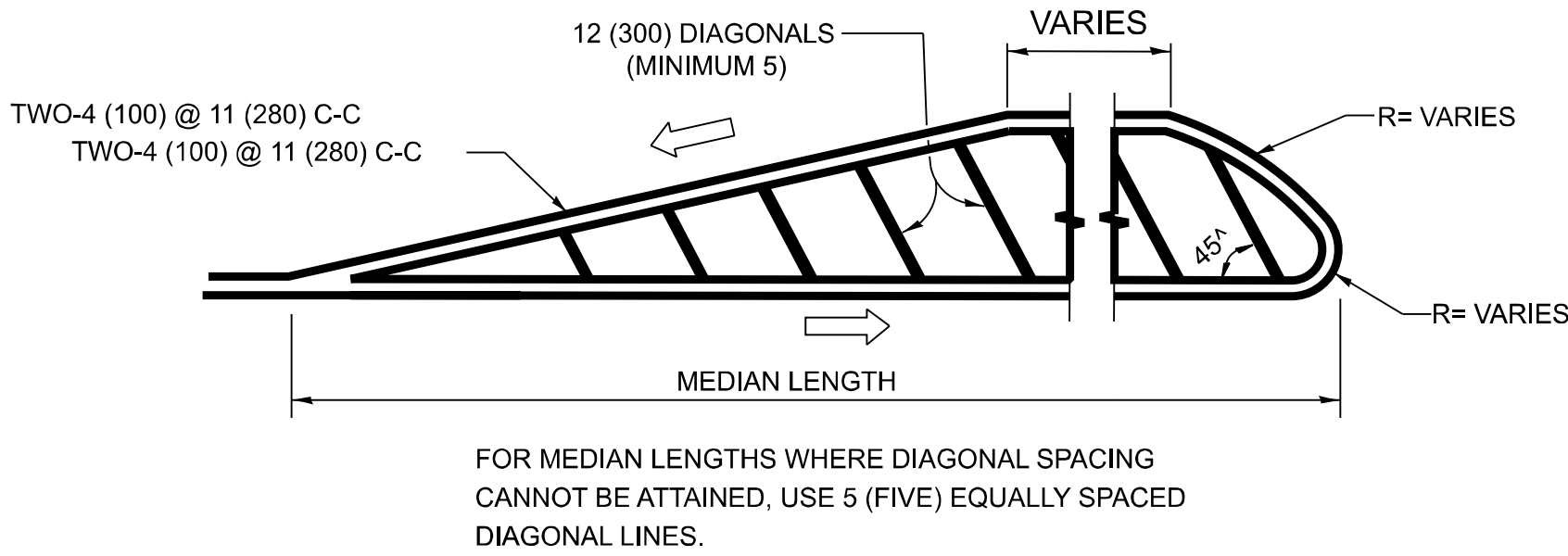
MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING

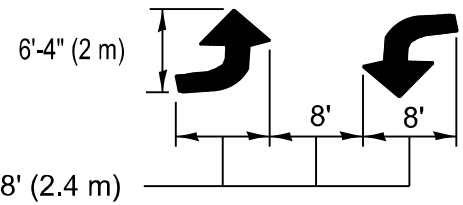
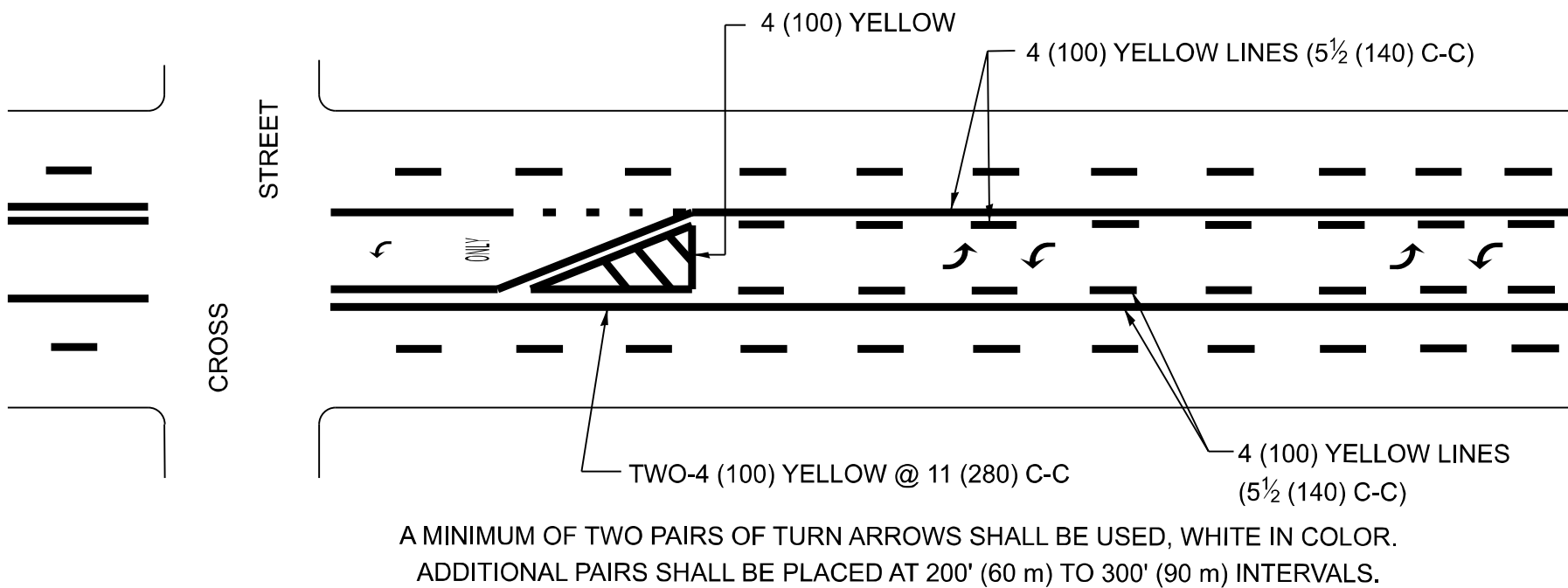


4' (1.2 m) WIDE MEDIANS ONLY



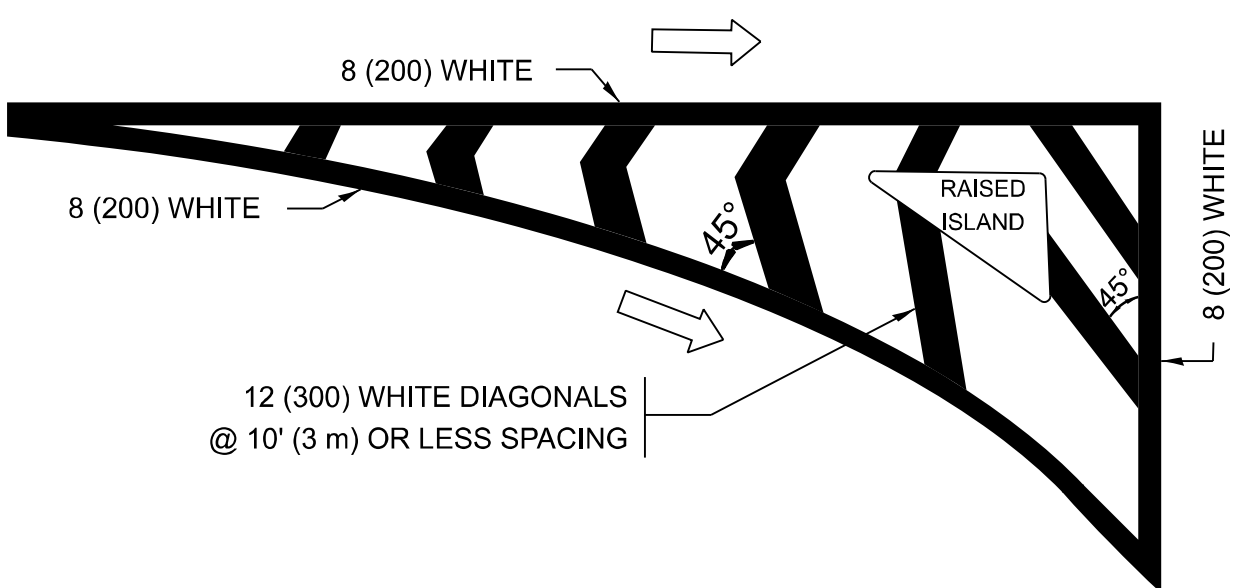
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

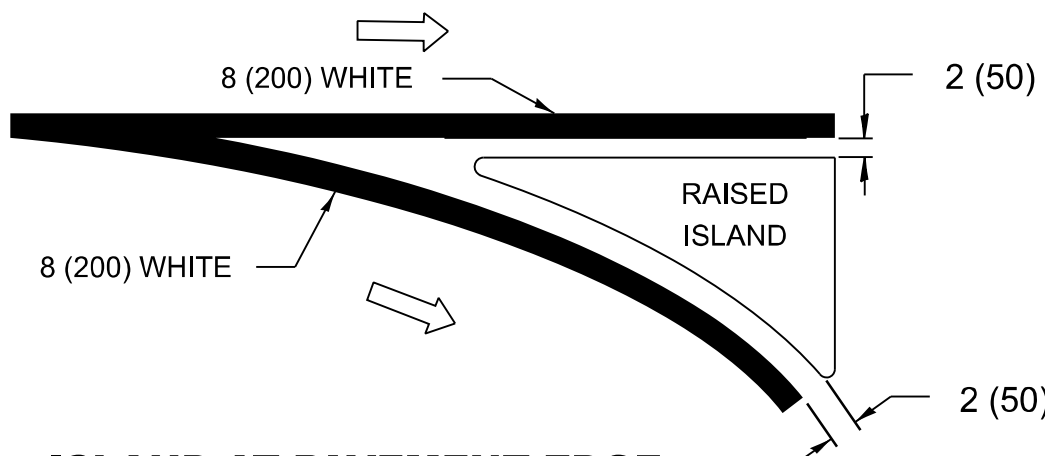


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

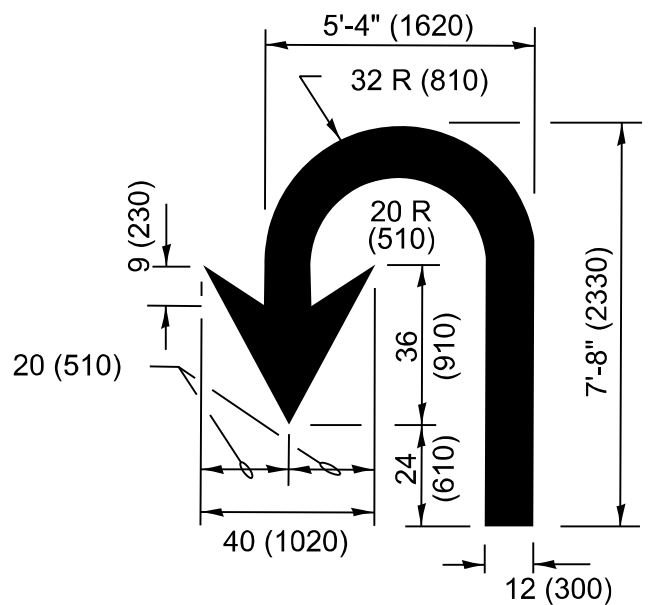
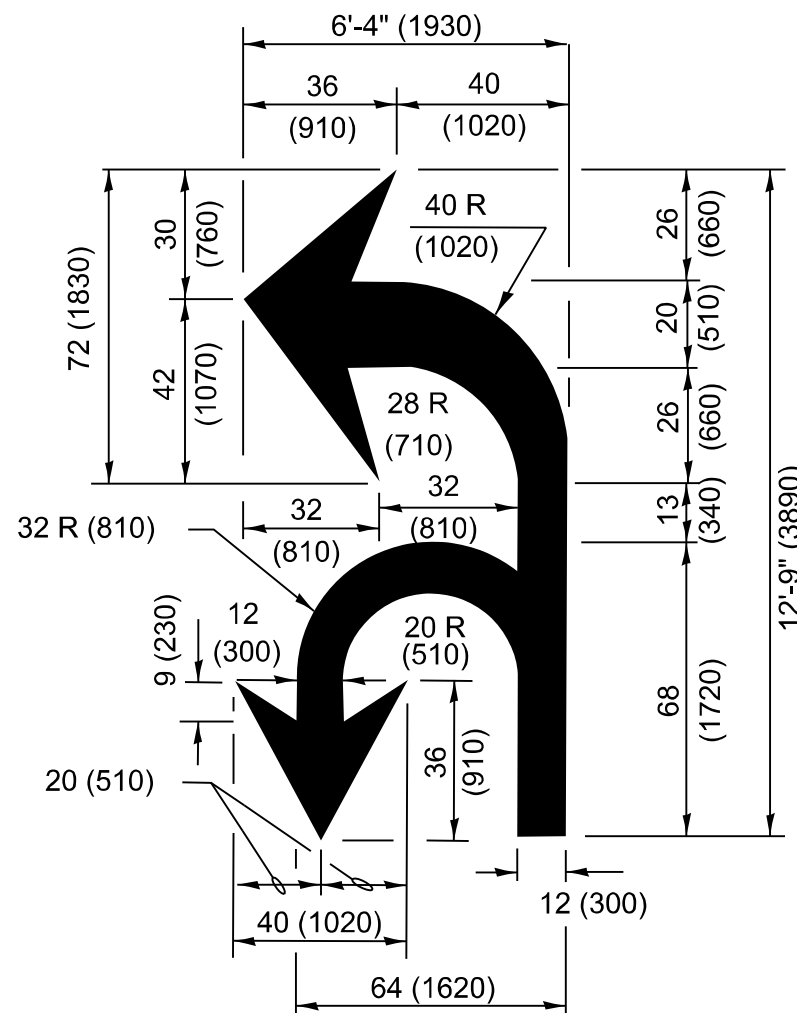


ISLAND OFFSET FROM PAVEMENT EDGE



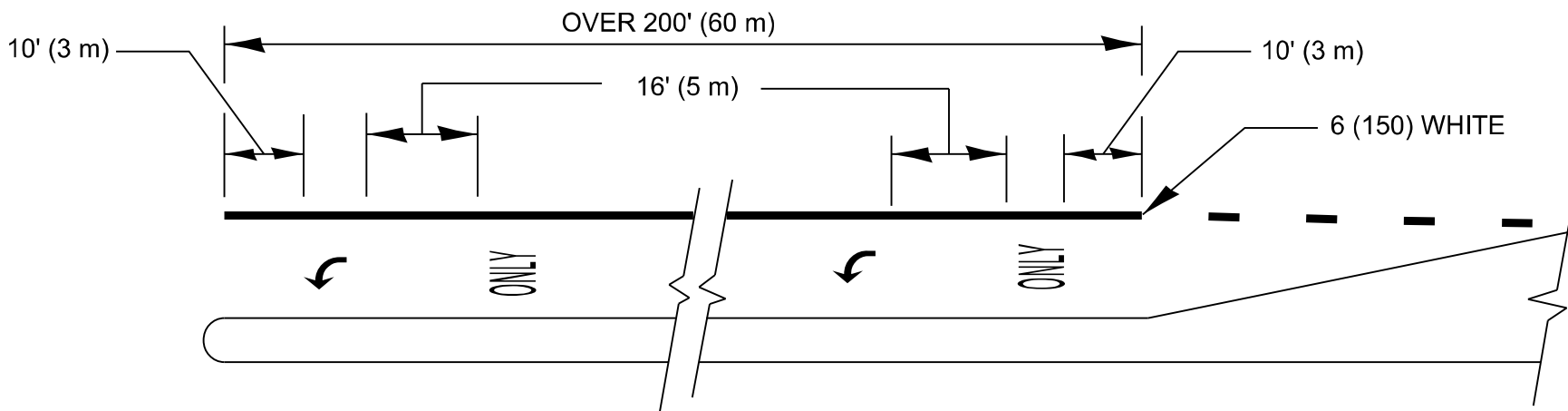
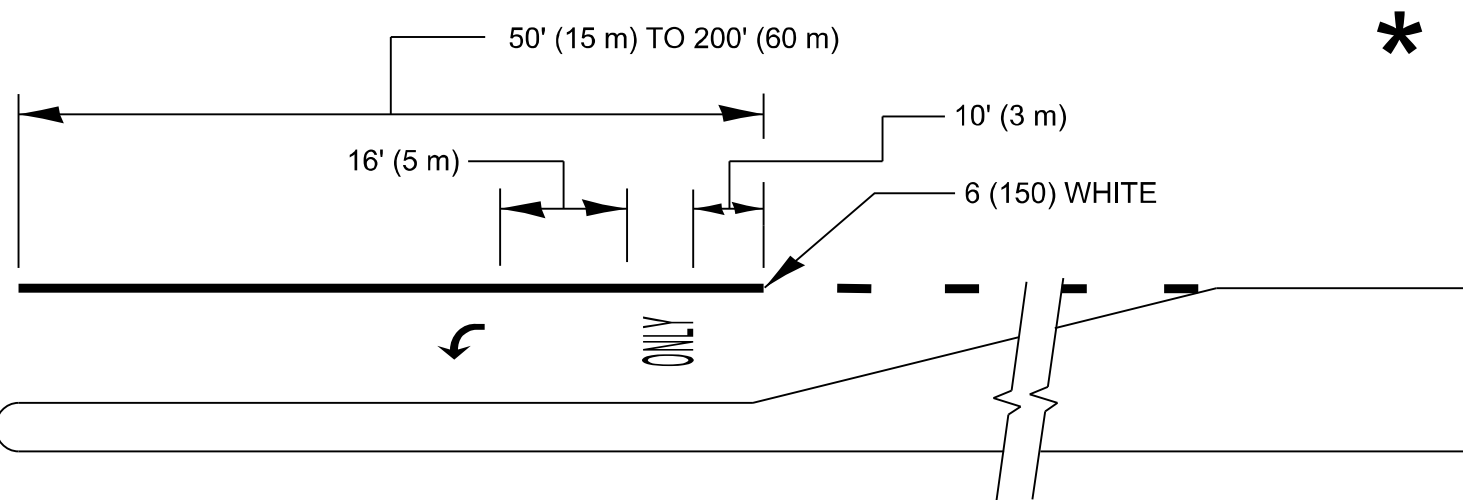
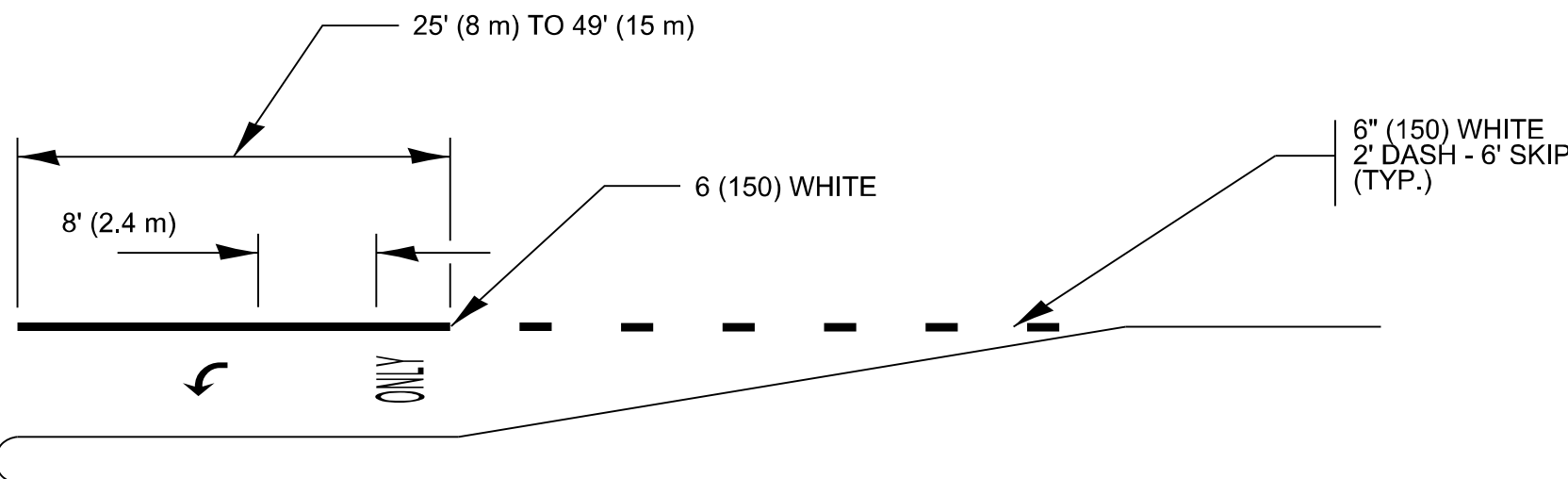
ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



U-TURN

COMBINATION LEFT AND U-TURN



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

USER NAME	* mohammad.hamwi	DESIGNED	- EVERS	REVISED	- C. JUCIUS 07-01-13
		DRAWN	-	REVISED	- C. JUCIUS 12-21-15
		CHECKED	-	REVISED	- C. JUCIUS 04-12-16
PLOT DATE	= 8/7/2026	DATE	- 03-19-90	REVISED	- K. KANNAN-HOSADURGA 06-29-26

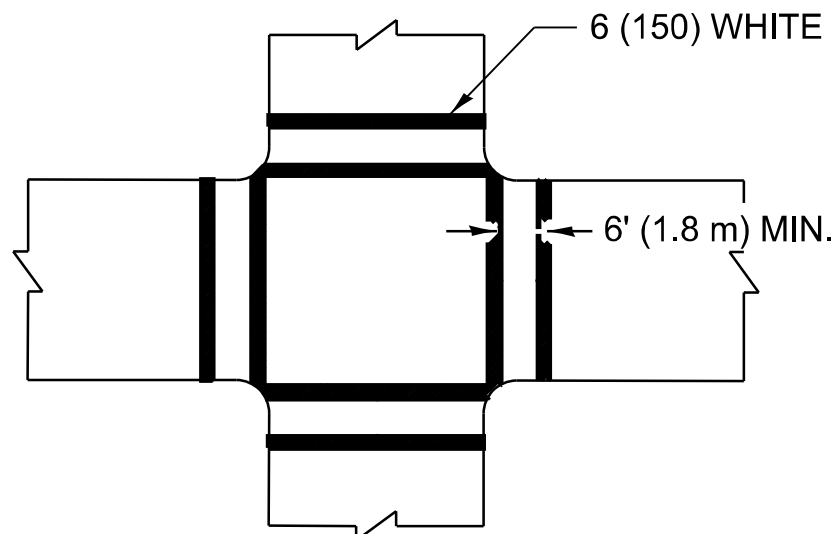
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

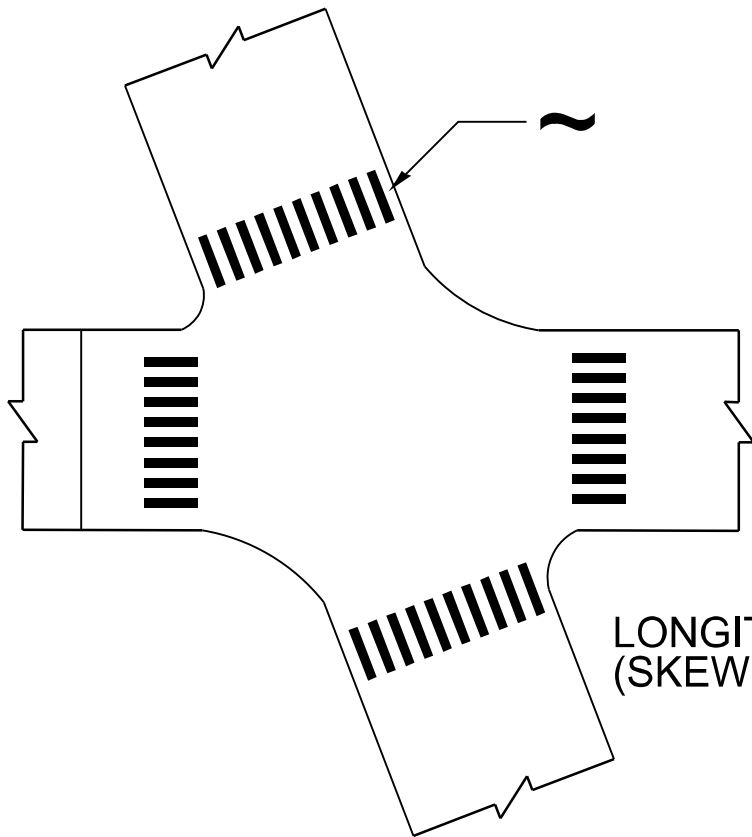
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	50
TC-13A		CONTRACT NO. 80D75		
		ILLINOIS	FED. AID PROJECT	

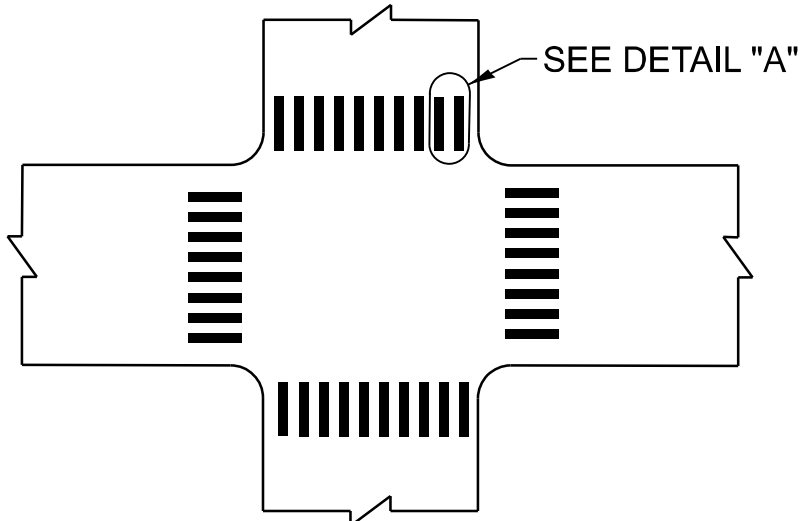
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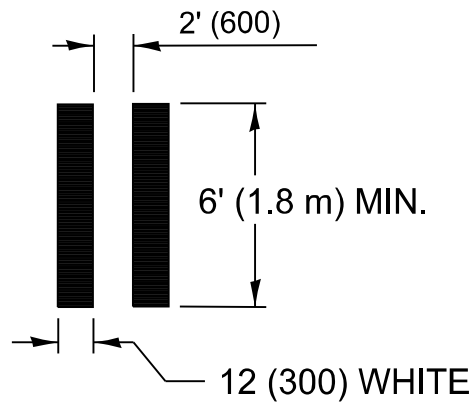
TRANSVERSE CROSSWALK



LONGITUDINAL CROSSWALK
(SKEWED INTERSECTION)



LONGITUDINAL CROSSWALK

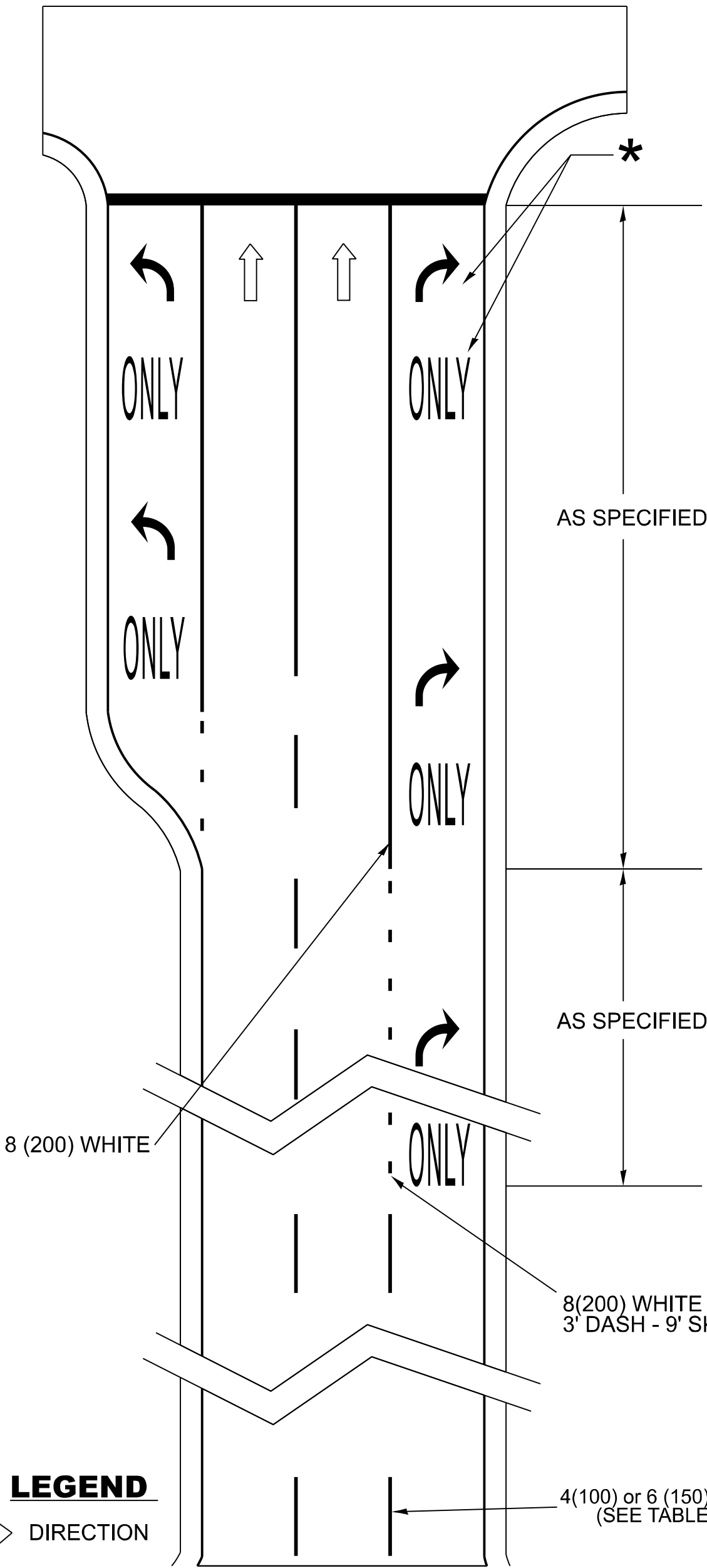


DETAIL "A"

TYPICAL CROSSWALK MARKING

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

~ THE INDIVIDUAL LONGITUDINAL ELEMENTS OF A LONGITUDINAL BAR CROSSWALK SHOULD BE ANGLED SUCH THAT THEY ARE PARALLEL TO THE TRAVEL PATH OF APPROACHING TRAFFIC



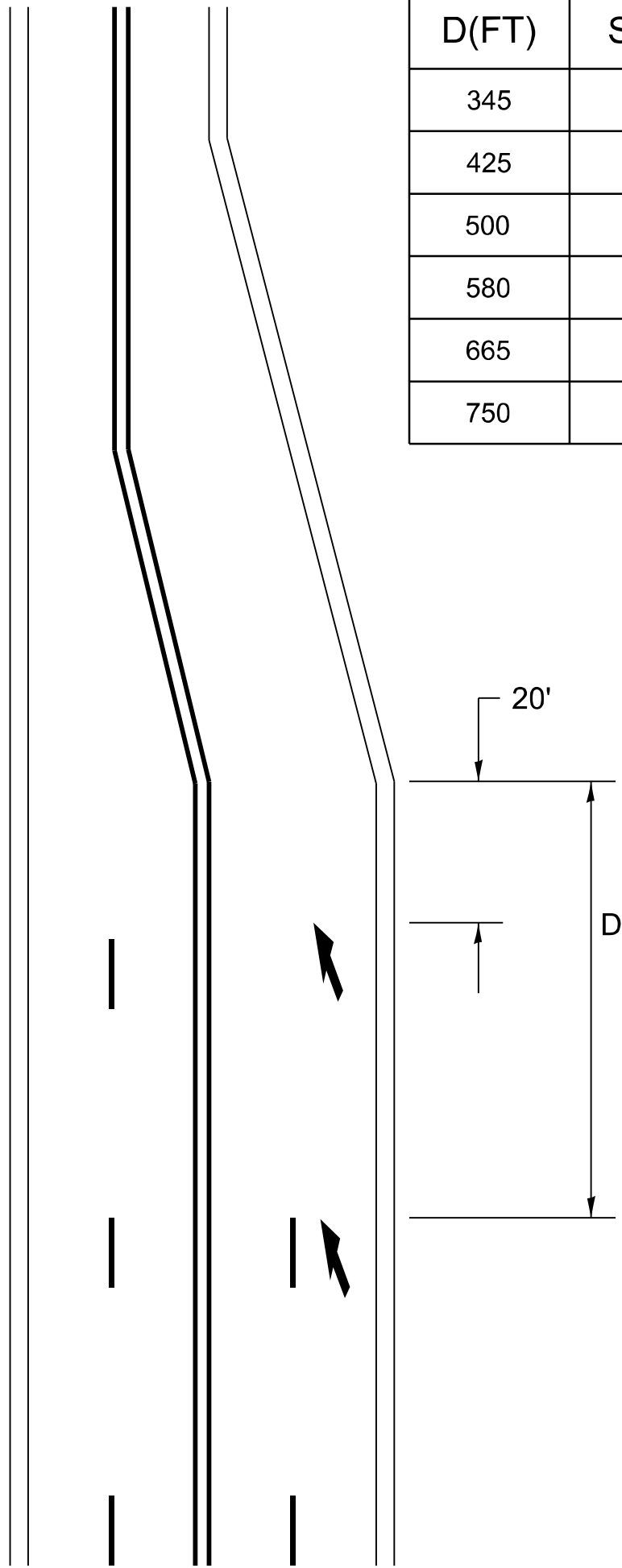
LEGEND

➡ DIRECTION

ARTERIAL ROAD LANE-DROP MARKINGS

- * FOLLOW TYPICAL TURN LANE MARKINGS FOR PLACEMENT AND SIZE DETAILS OF 'ARROW' AND 'ONLY' MARKINGS IN THE TURN LANE.

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



LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES FOR SPEED LIMIT <= 45 MPH LANE LINES FOR SPEED LIMIT > 45 MPH	4 (100) 6 (150)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (TYPICAL FOR EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS, EXCEPT AT LANE-DROP MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (0.60m) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
TRANSVERSE CROSSWALK LONGITUDINAL BARS CROSSWALK	2 @ 6 (150) 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART AND PARALLEL TO TRAFFIC FLOW SEE TYPICAL CROSSWALK MARKING DETAIL 'A'.
STOP LINES	24 (600)	SOLID	WHITE	PLACE MINIMUM 4' (1.2 m) IN ADVANCE OF CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. NO MORE THAN 30' (9.1 m) OR LESS THAN 4' (1.2 m) FROM NEAREST EDGE OF INTERSECTING TRAVELED WAY.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001, TC 23 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF
ARTERIAL LANE-DROP MARKINGS DOTTED LINES FOR LANE-DROP TURN LANE MARKINGS	8 (200) 8 (200)	SKIP - DASH SOLID	WHITE WHITE	3' (0.91 m) LINE WITH 9' (2.74 m) SPACE

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

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

USER NAME	= mohammad.hamwi	DESIGNED	- EVERS	REVISED	- C. JUCIUS 07-01-13
DRAWN	-	DRAWN	-	REVISED	- C. JUCIUS 12-21-15
CHECKED	-	CHECKED	-	REVISED	- C. JUCIUS 04-12-16
PLOT DATE	= 8/7/2026	DATE	- 03-19-90	REVISED	- K. KANNAN-HOSADURGA 06-29-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	51
TC-13B		CONTRACT NO. 80D75		
ILLINOIS		FED. AID PROJECT		

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

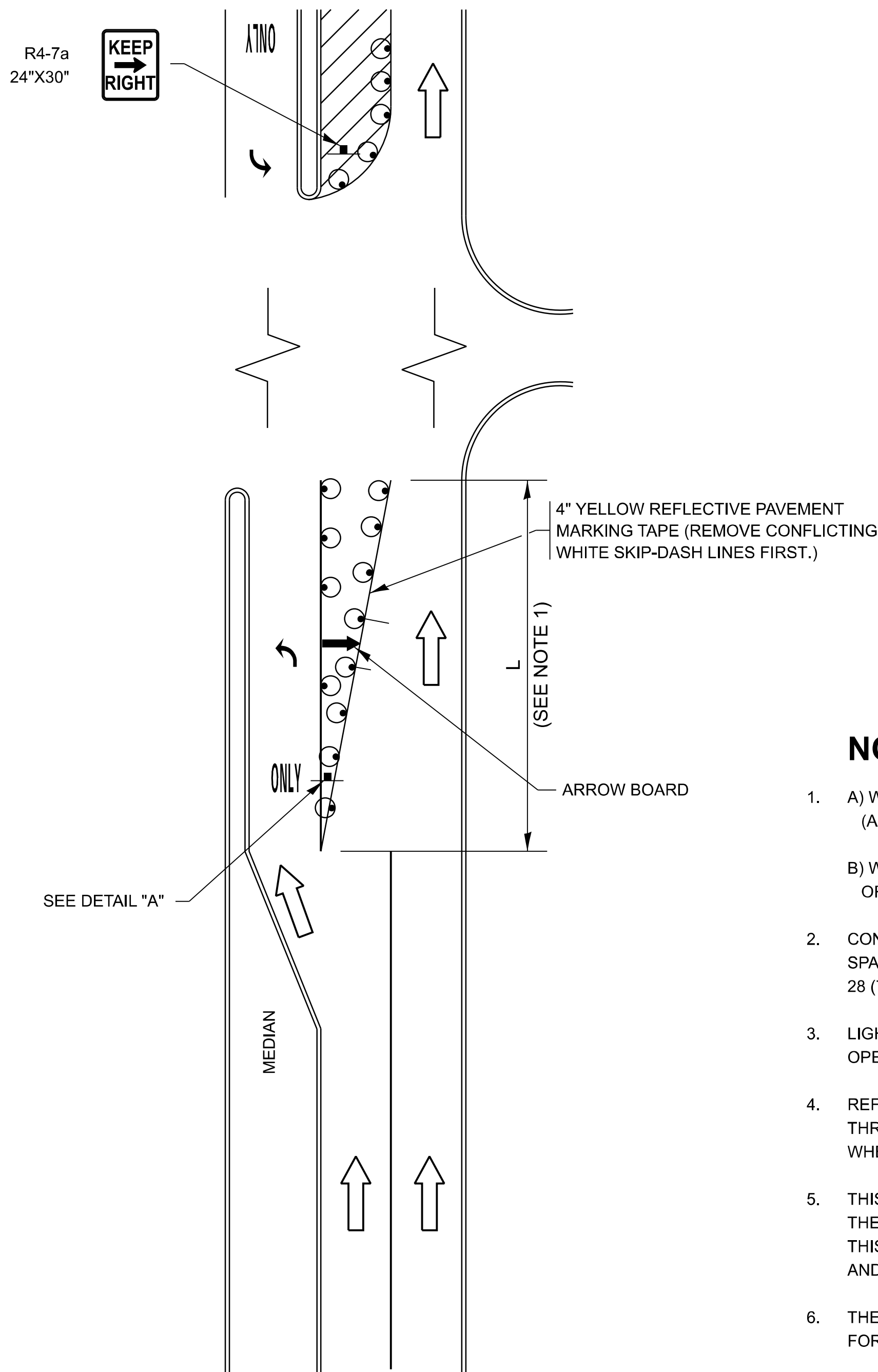
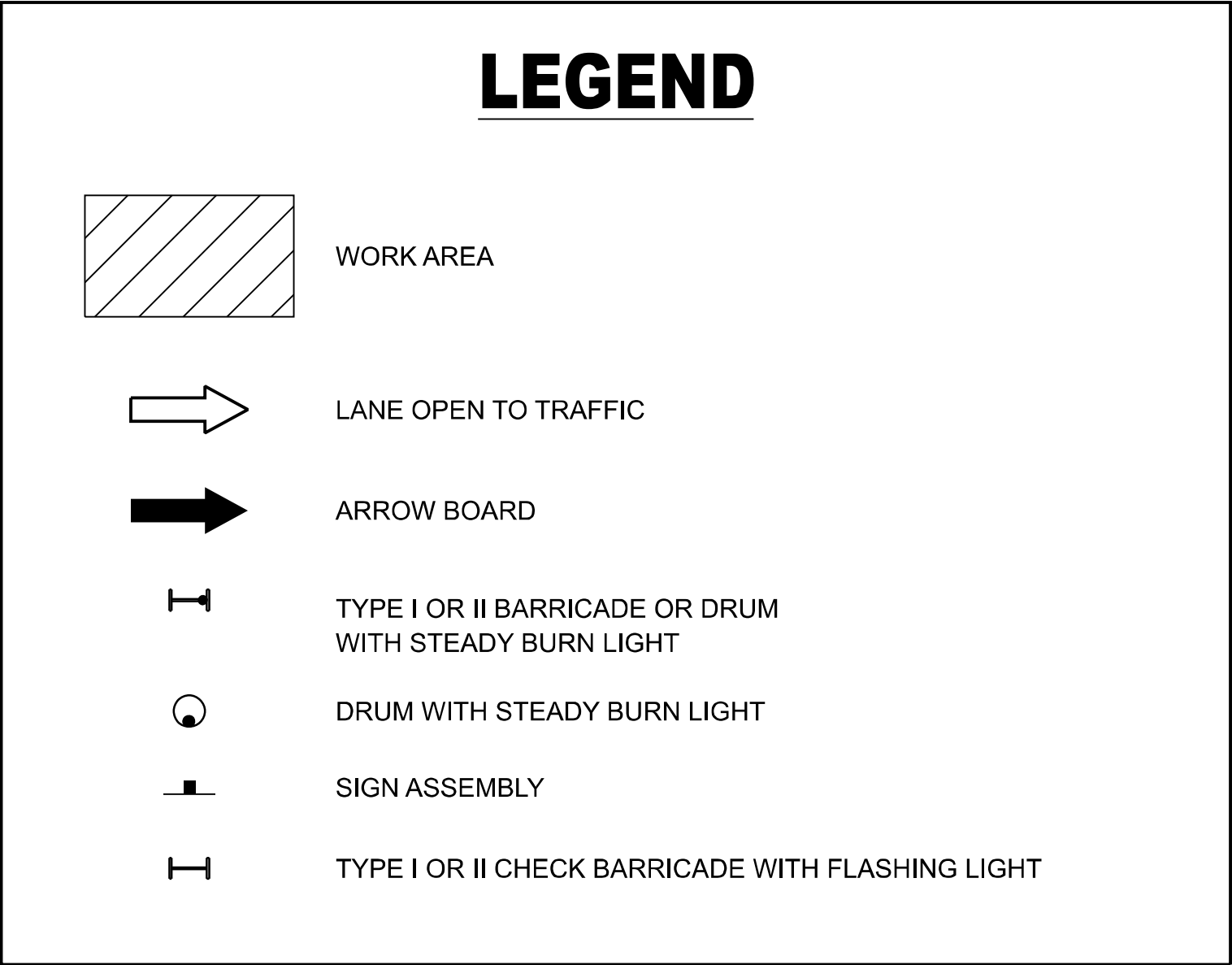


FIGURE 1

LEGEND



NOTES:

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

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

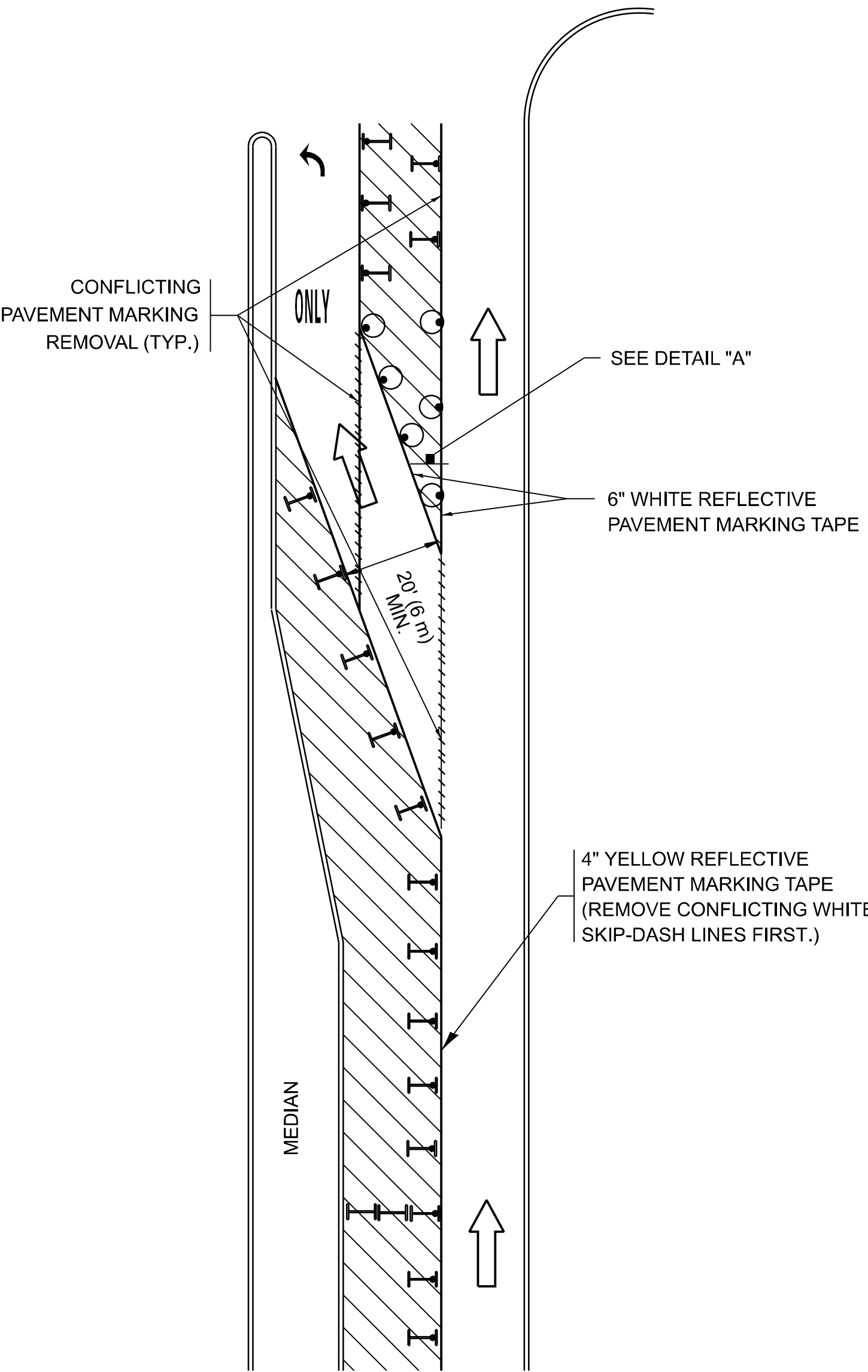
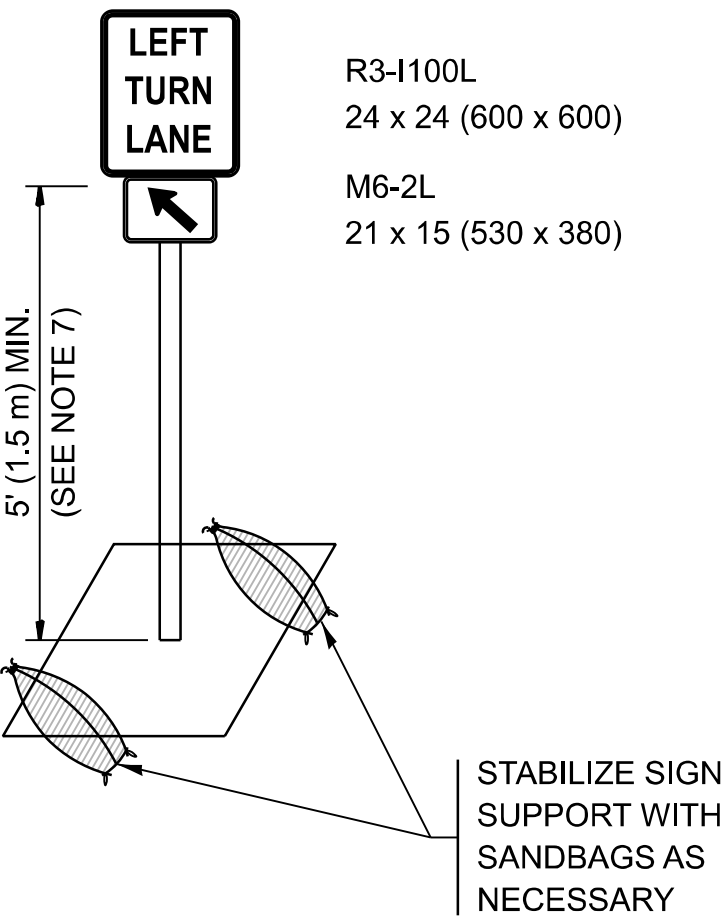


FIGURE 2



DETAIL A

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

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DESIGNED	- T. RAMMACHER 09-08-94
DRAWN	- A. HOUSEH 11-07-95
CHECKED	- A. HOUSEH 10-12-96
PLOT DATE	= 8/7/2026
DATE	- T. RAMMACHER 01-06-00

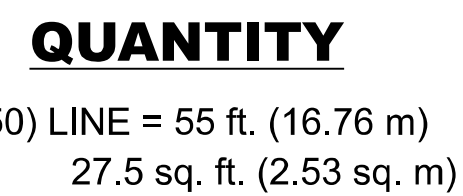
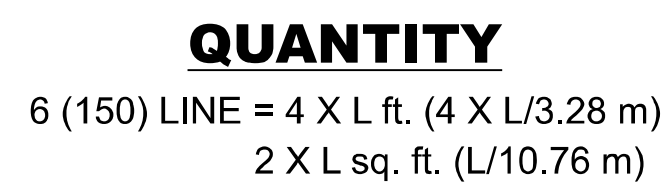
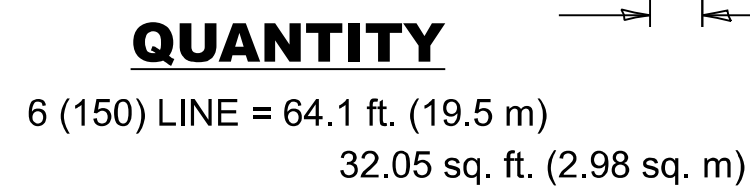
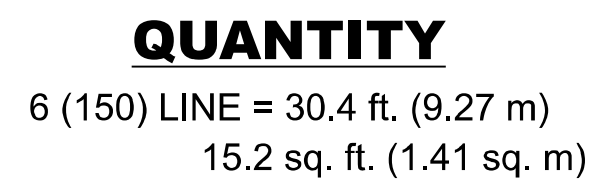
REVISED	- R. BORO 09-14-09
REVISED	- A. SCHUETZE 07-01-13
REVISED	- A. SCHUETZE 09-15-16
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

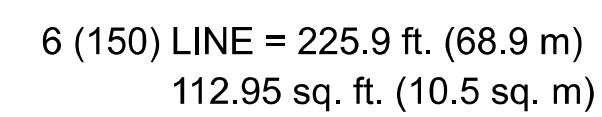
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	52
TC-14		CONTRACT NO. 80D75		
ILLINOIS		FED. AID PROJECT		



ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 6" LINES TO MATCH THE
6" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 6" TAPE REQUIRED.



MODEL: TC-16 [Sheet]
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED - E. GOMEZ 08-28-00
	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - A. SCHUETZ 09-15-16
PLOT DATE = 8/7/2026	DATE = 09-18-94	REVISED - J. JONES 09-15-26

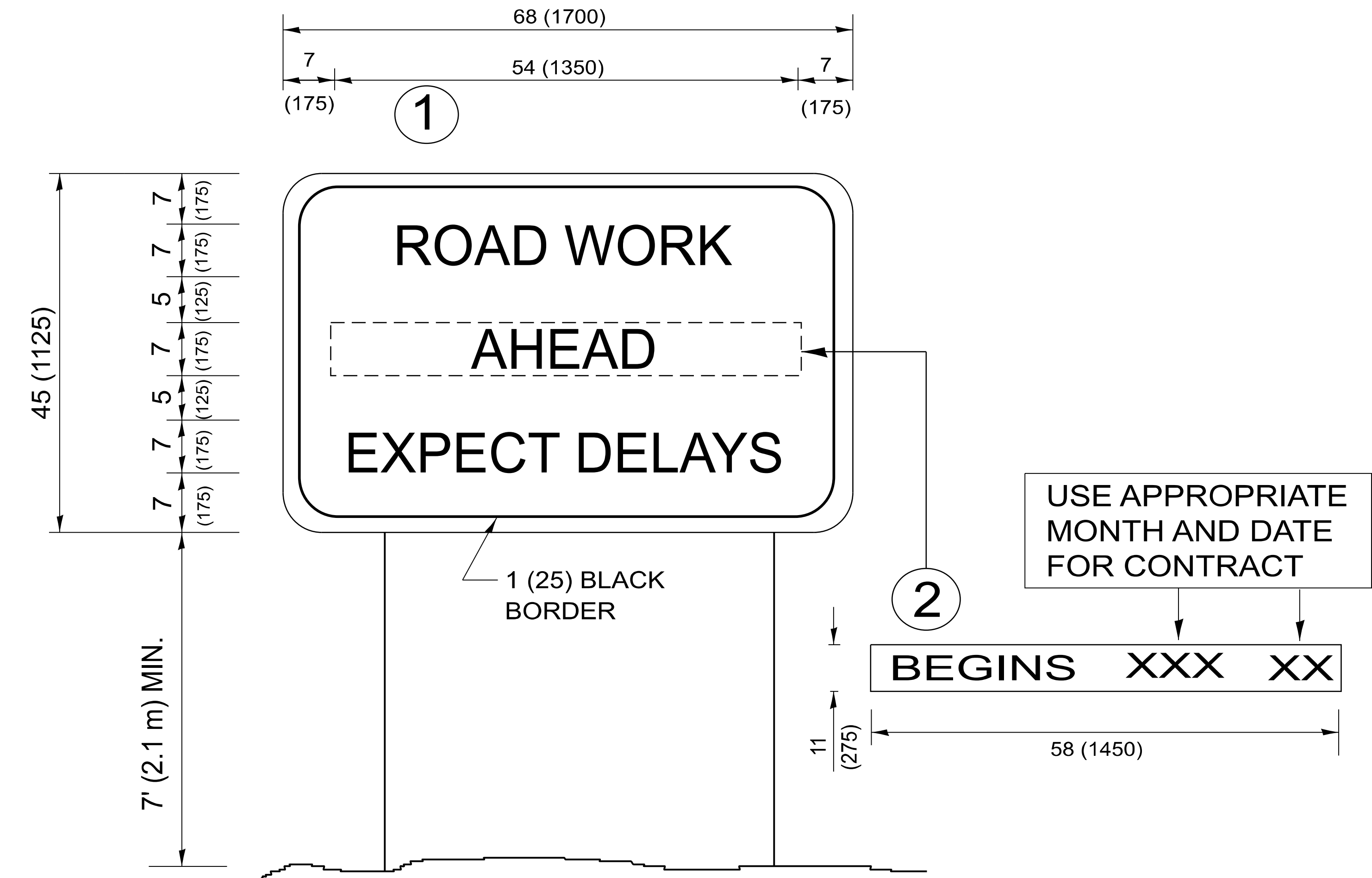
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	53
TC-16		CONTRACT NO. 80D75		
	ILLINOIS	FED. AID PROJECT		

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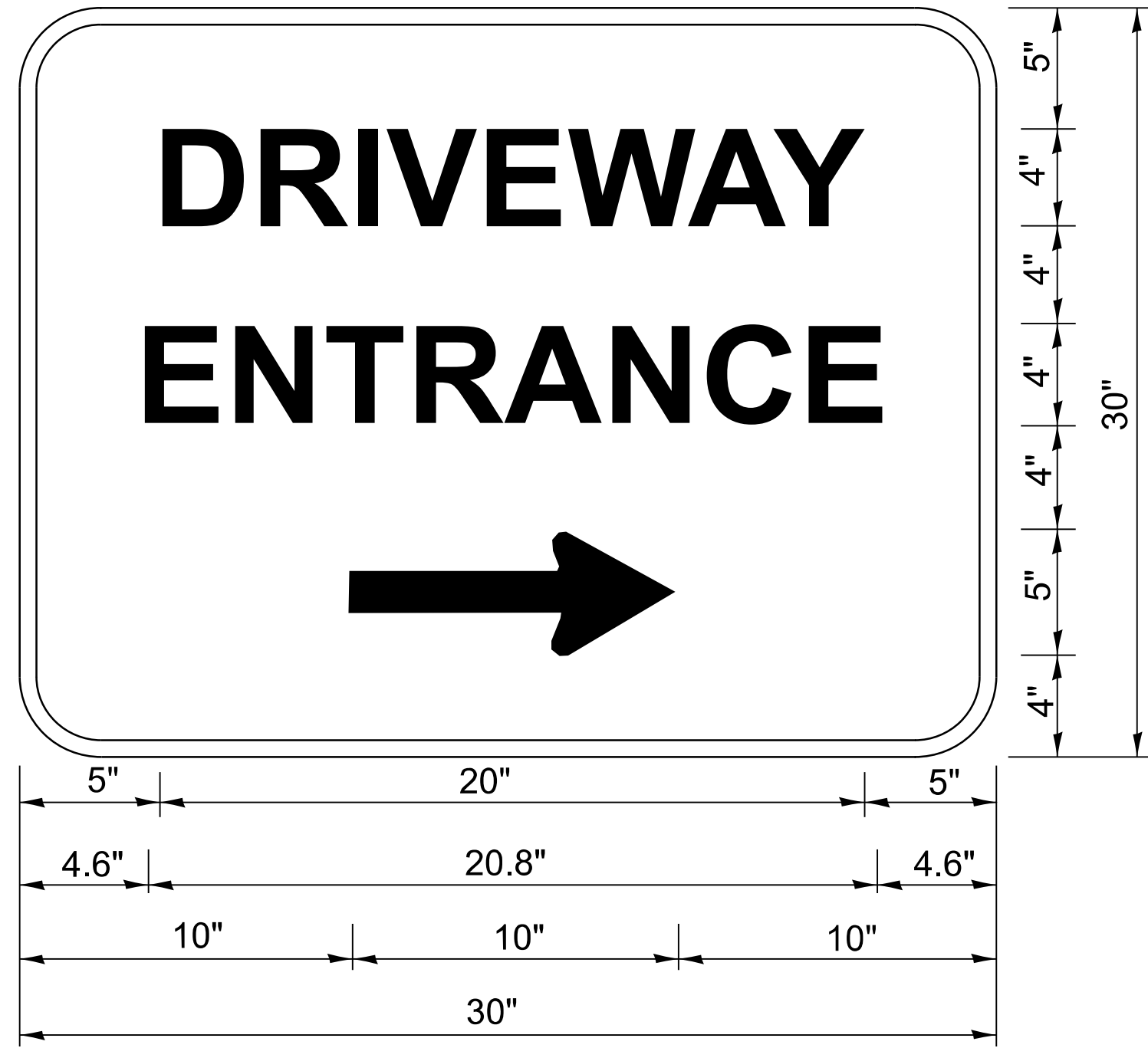


NOTES:

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.

	USER NAME	= mohammad.hamwi	DESIGNED	-		REVISED	-	R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CHECKED	-		REVISED	-	T. RAMMACHER 02-02-99						TC-22		CONTRACT NO. 80D75		
	PLOT DATE	= 8/7/2026	DATE	-		REVISED	-	C. JUCIUS 01-31-07						ILLINOIS FED. AID PROJECT				
	SCALE: NONE			SHEET 1			OF 1 SHEETS											



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

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

MODEL: TC-26 [Sheet]
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			DRAWN	-	REVISED	-			347	2026-2260-RS,SW	COOK	62	55					
			CHECKED	-	REVISED	-			TC-26			CONTRACT NO. 80D75						
	PLOT DATE	= 8/7/2026	DATE	-	REVISED	-			SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 P EV	 P EV
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 RB P EV	 RB P EV
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
MASTER CONTROLLER			JUNCTION BOX			ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	
MASTER MASTER CONTROLLER			RAILROAD CANTILEVER MAST ARM			ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	 	
CELLULAR MODEM			RAILROAD CROSSBUCK			GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C		
TELEPHONE CONNECTION			RAILROAD CONTROLLER BUNGALOW			ELECTRIC CABLE, TRACER, NO. 14, 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			ELECTRIC CABLE, RAILROAD, NO. 14, 3/C	 RAILROAD NO. 14 3/C	 RAILROAD NO. 14 3/C
ALUMINUM MAST ARM ASSEMBLY AND POLE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW	 SOOW	 SOOW
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			SYSTEM ITEM			VENDOR CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			INTERSECTION ITEM			EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C		
WOOD POLE			REMOVAL ITEM			OUTDOOR RATED NETWORK CABLE		
GUY WIRE			RELOCATE ITEM			FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE	 	
SIGNAL HEAD			ABANDON ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	 	
SIGNAL HEAD WITH BACKPLATE			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
SIGNAL HEAD - PROGRAMMABLE			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			DETECTOR LOOP, TYPE I					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	PREFORMED DETECTOR LOOP					
RADAR DETECTION SENSOR			WIRELESS DETECTOR SENSOR					
VIDEO DETECTION CAMERA								
RADAR/VIDEO DETECTION ZONE								
PAN, TILT, ZOOM (PTZ) CAMERA								
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								
WIRELESS ACCESS POINT								

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	DRAWN	- IP	REVISION	-		
	CHECKED	- NB/KK	REVISION	-		
	PLOT DATE	= 8/7/2026	DATE	- 10/15/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

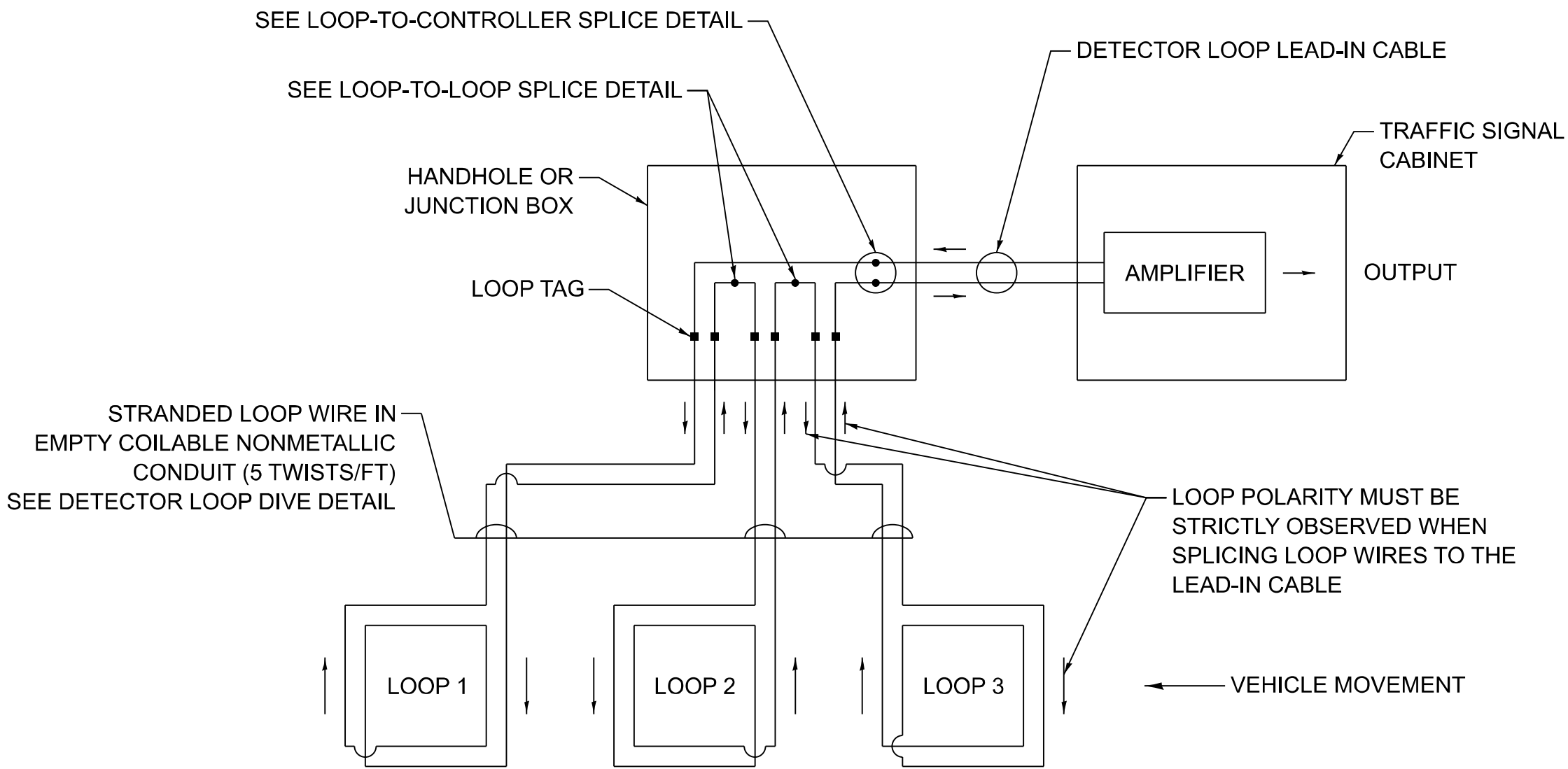
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE	SHEET 1	OF 7	SHEETS	STA.	TO STA.
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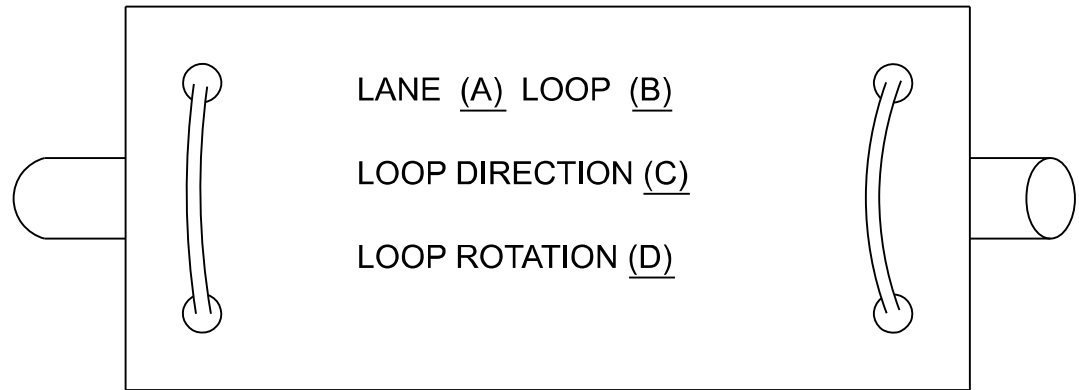
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	56
TS-01		CONTRACT NO. 80D75		
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED 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.

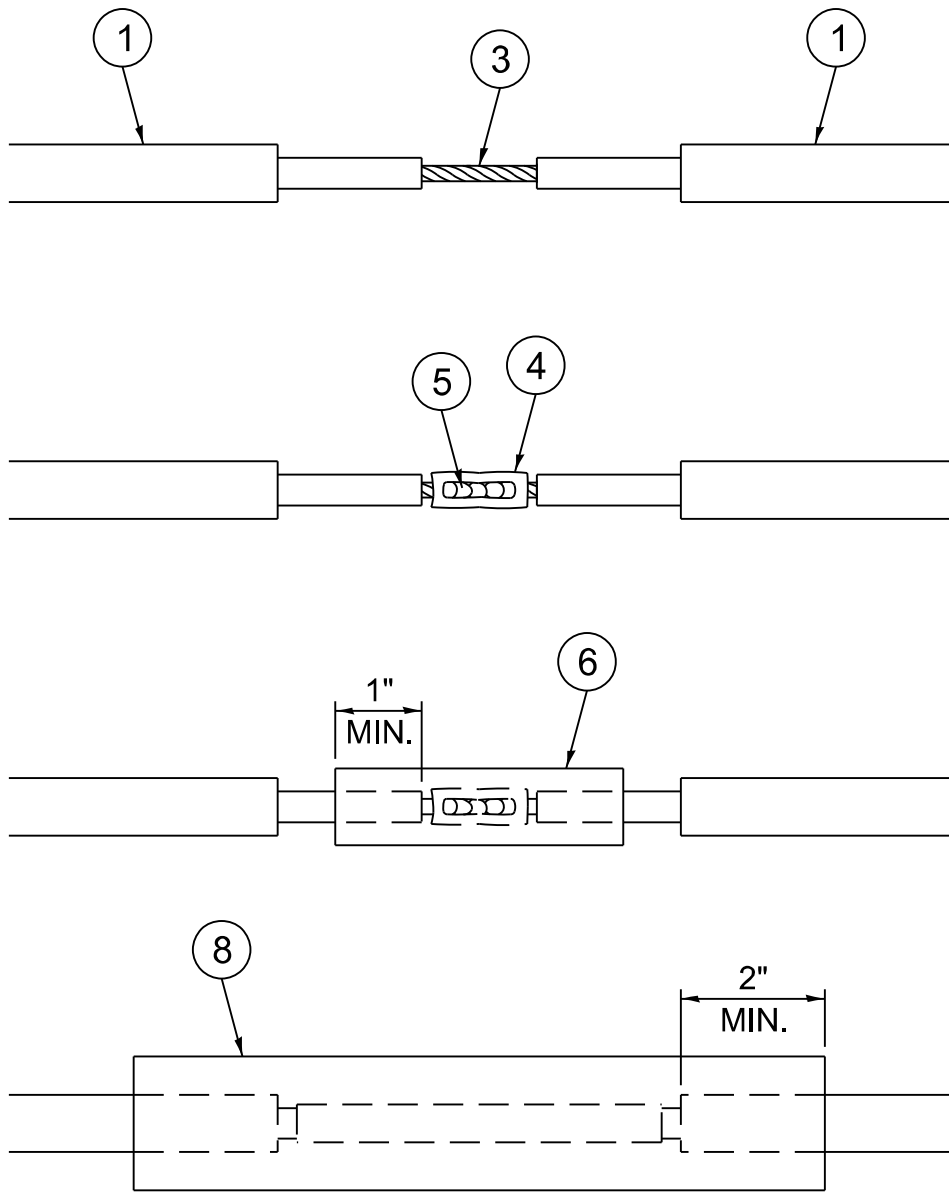


DETECTOR LOOP WIRING SCHEMATIC



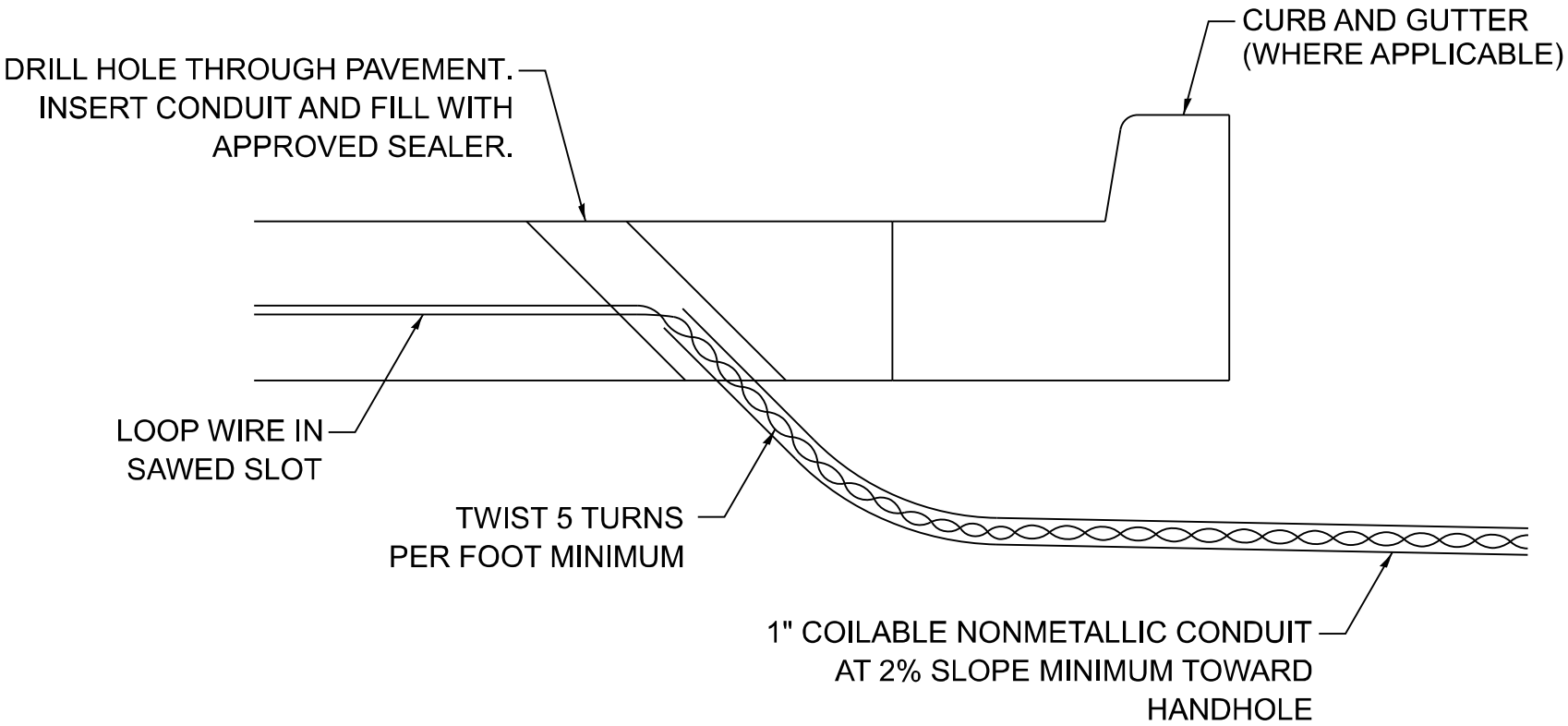
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

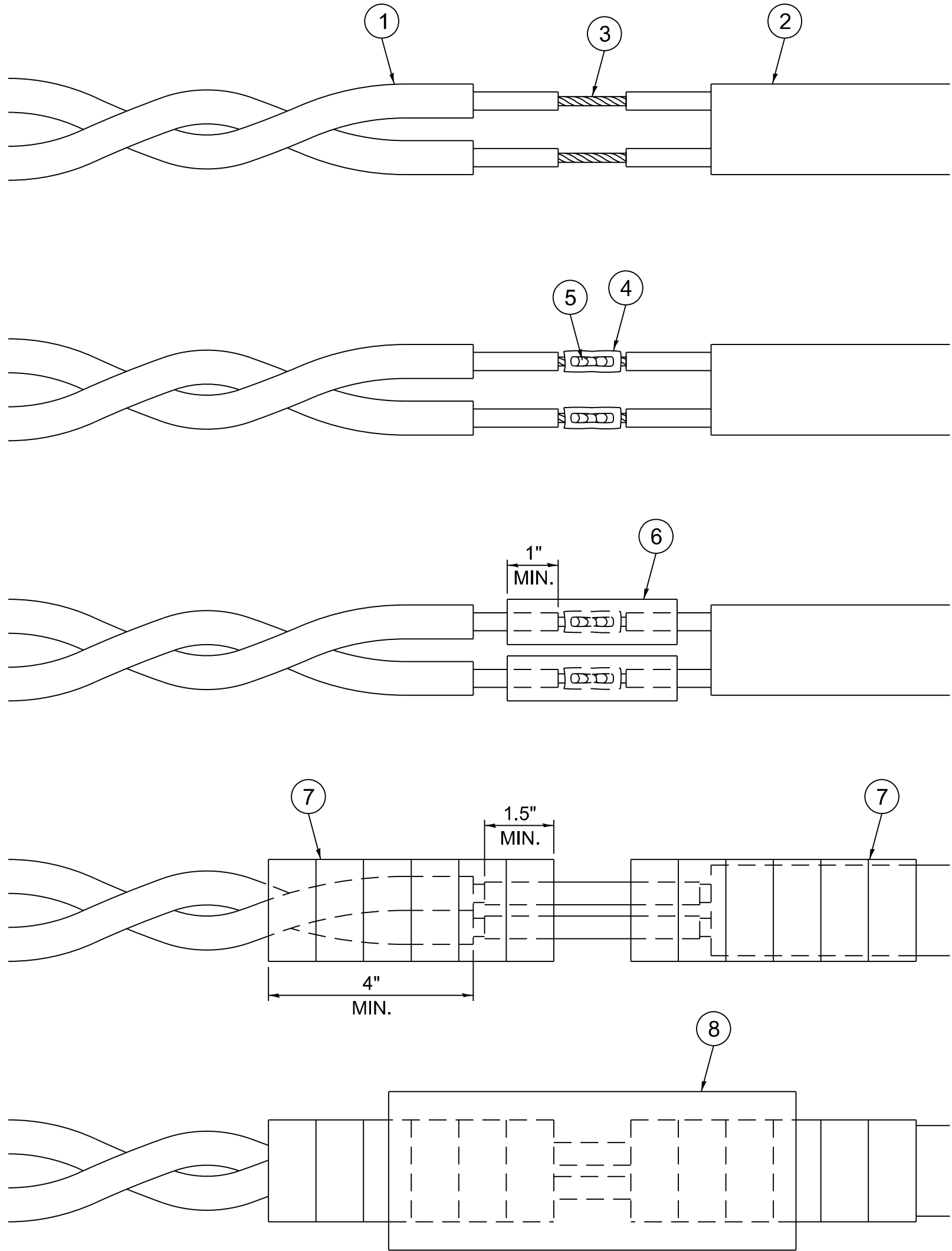


LOOP-TO-LOOP SPLICE DETAIL

- 1 DETECTOR LOOP CABLE.
- 2 DETECTOR LOOP LEAD-IN CABLE
- 3 BARE CONDUCTORS TWISTED TOGETHER.
- 4 BUTT SPLICE CRIMP CONNECTOR.
- 5 SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- 6 WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
- 7 SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
- 8 WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL

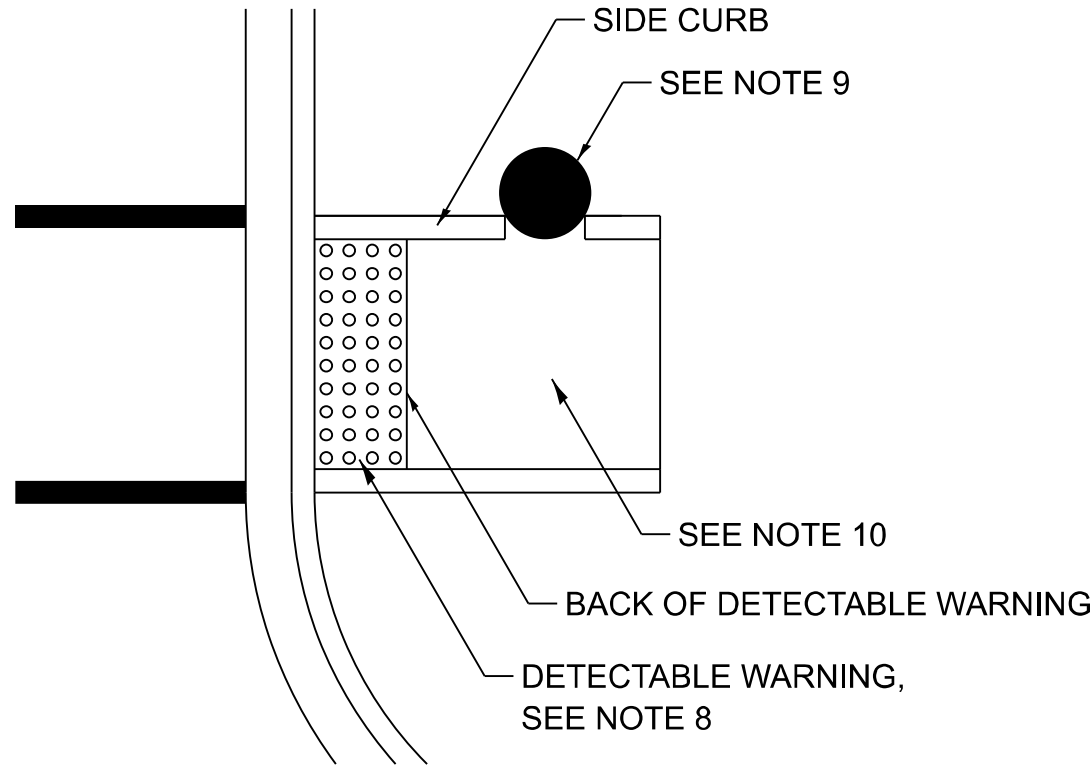
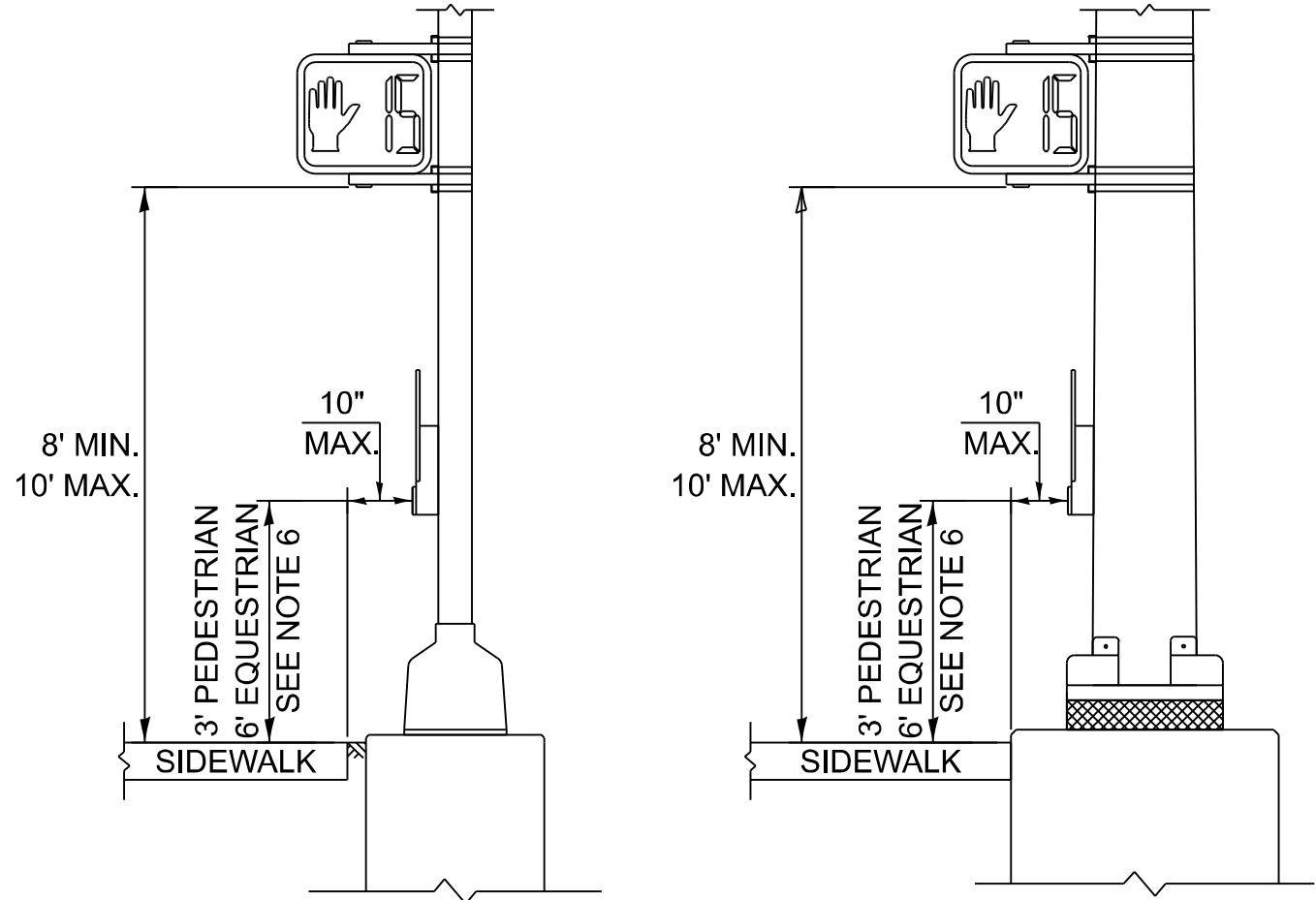
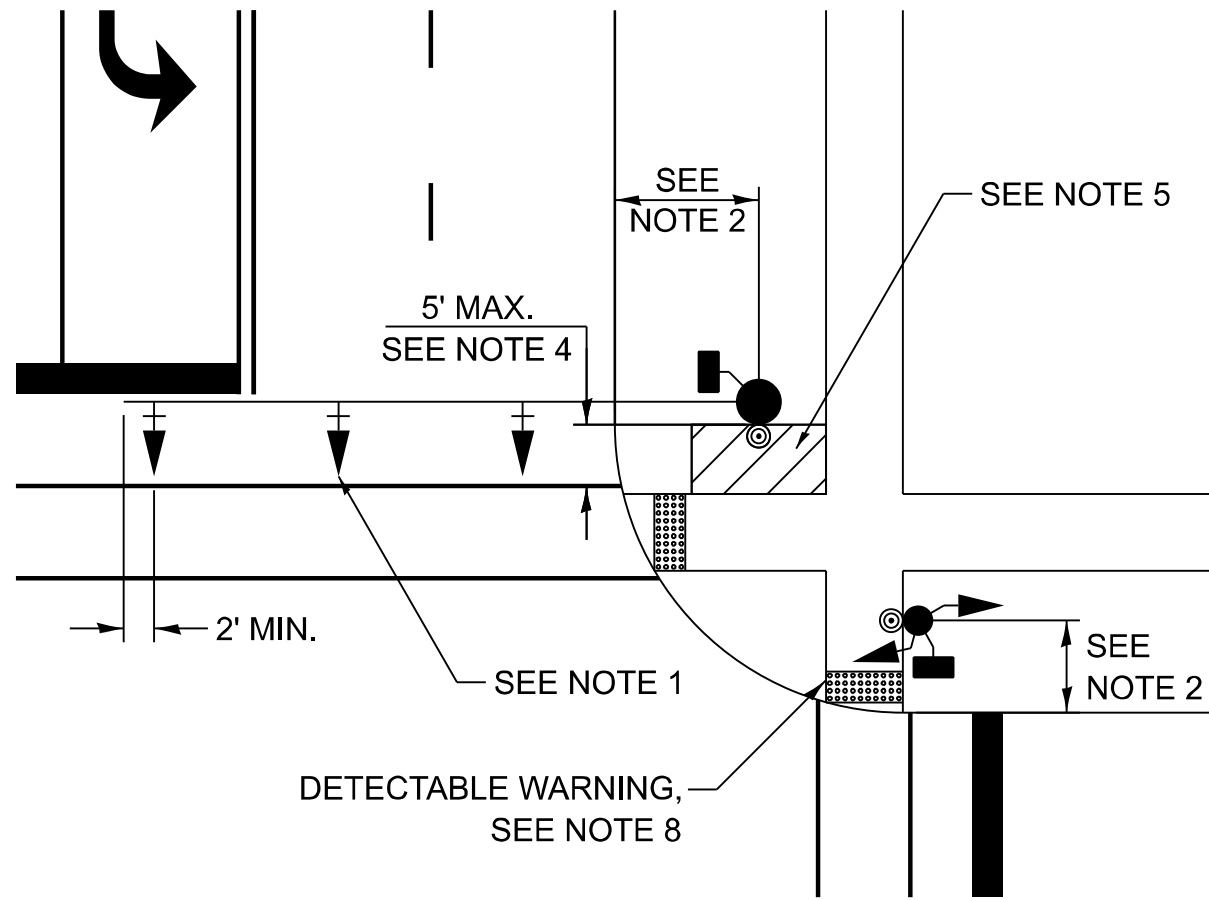
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			DRAWN - IP	REVISED -					347	2026-2260-RS,SW	COOK	62	57
			CHECKED - NB/KK	REVISED -					TS-01		CONTRACT NO. 80D75		
	PLOT DATE = 8/7/2026		DATE - 10/15/2025	REVISED -		SCALE: NONE	SHEET 2	OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

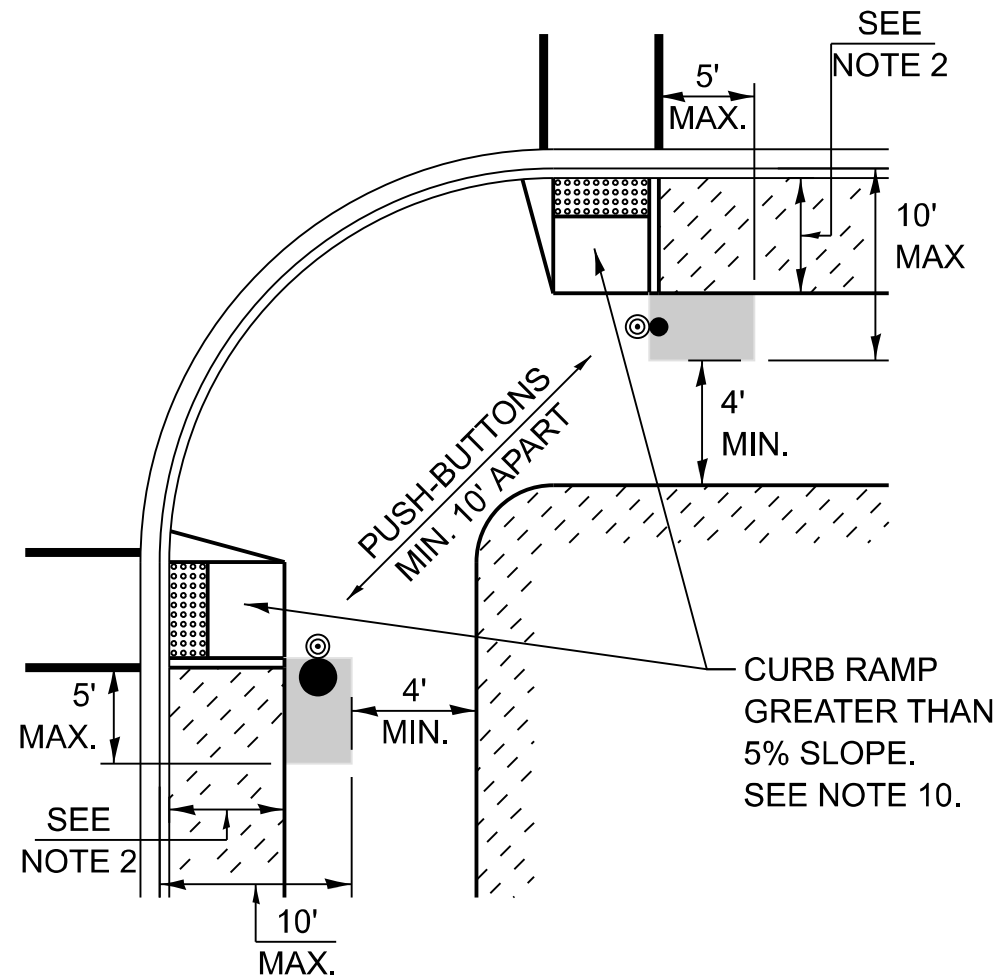
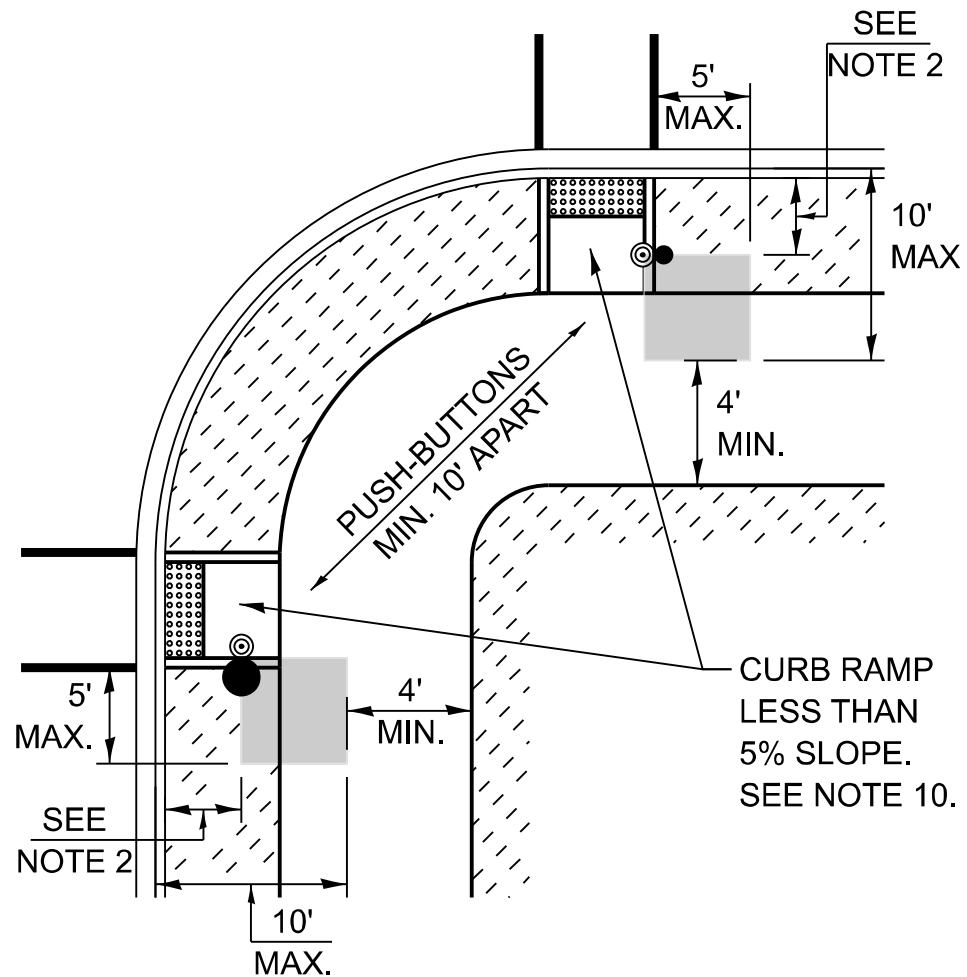
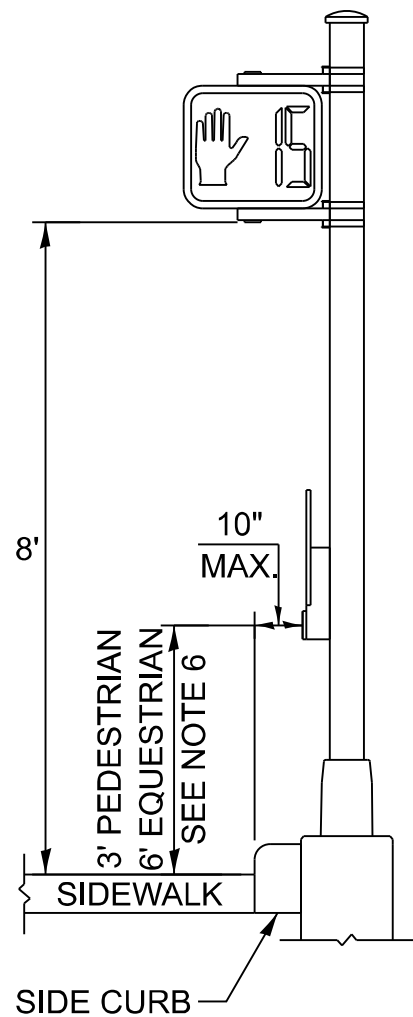
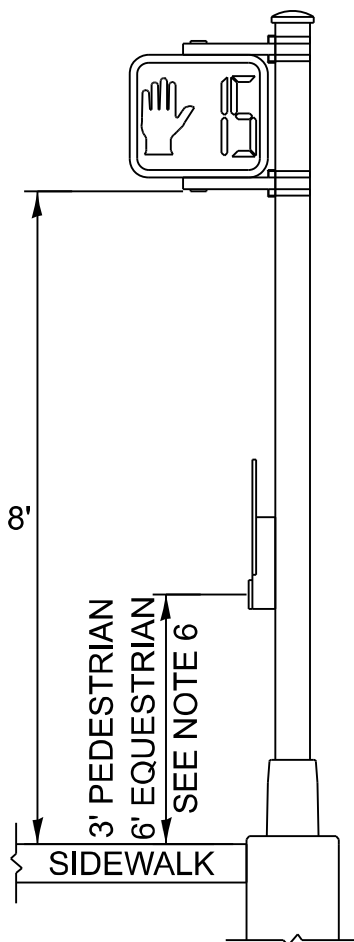
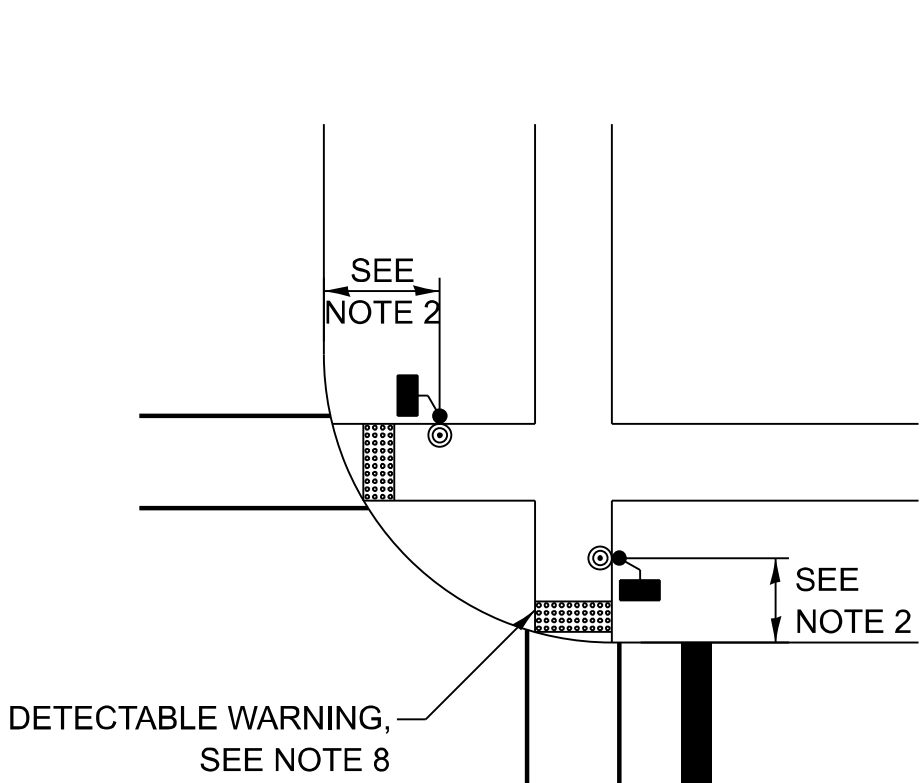
NOTES:

1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHAL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
MAST ARM ASSEMBLY AND POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
SIGNAL POST	4'	SHOULDER WIDTH + 2', MINIMUM 10'
PEDESTRIAN SIGNAL POST	4'	4' - SEE NOTE 2
TEMPORARY WOOD POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
TRAFFIC SIGNAL CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3
SERVICE CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3

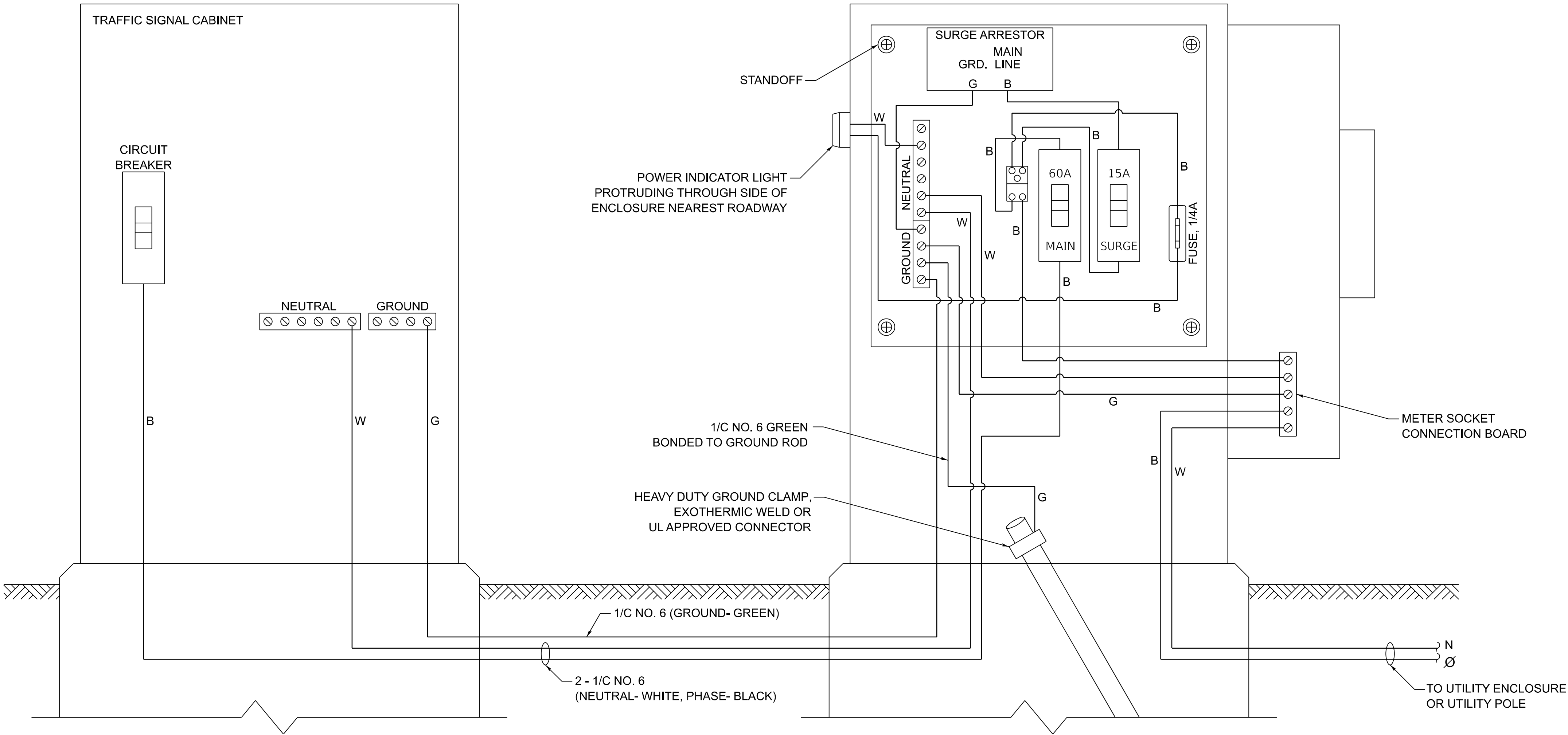
TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE 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" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

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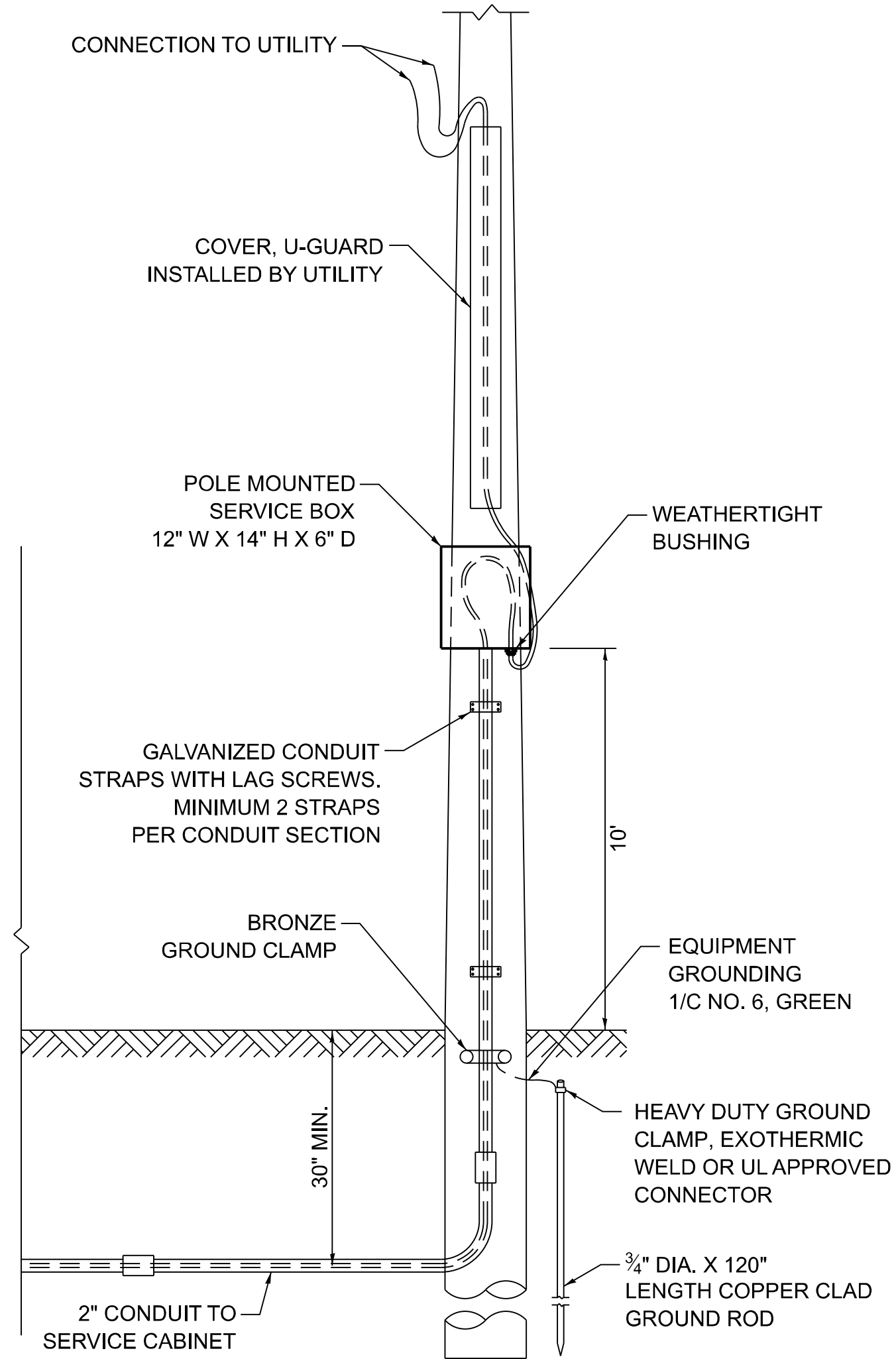
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		CHECKED - NB/KK	REVISED -						TS-01		CONTRACT NO. 80D75		
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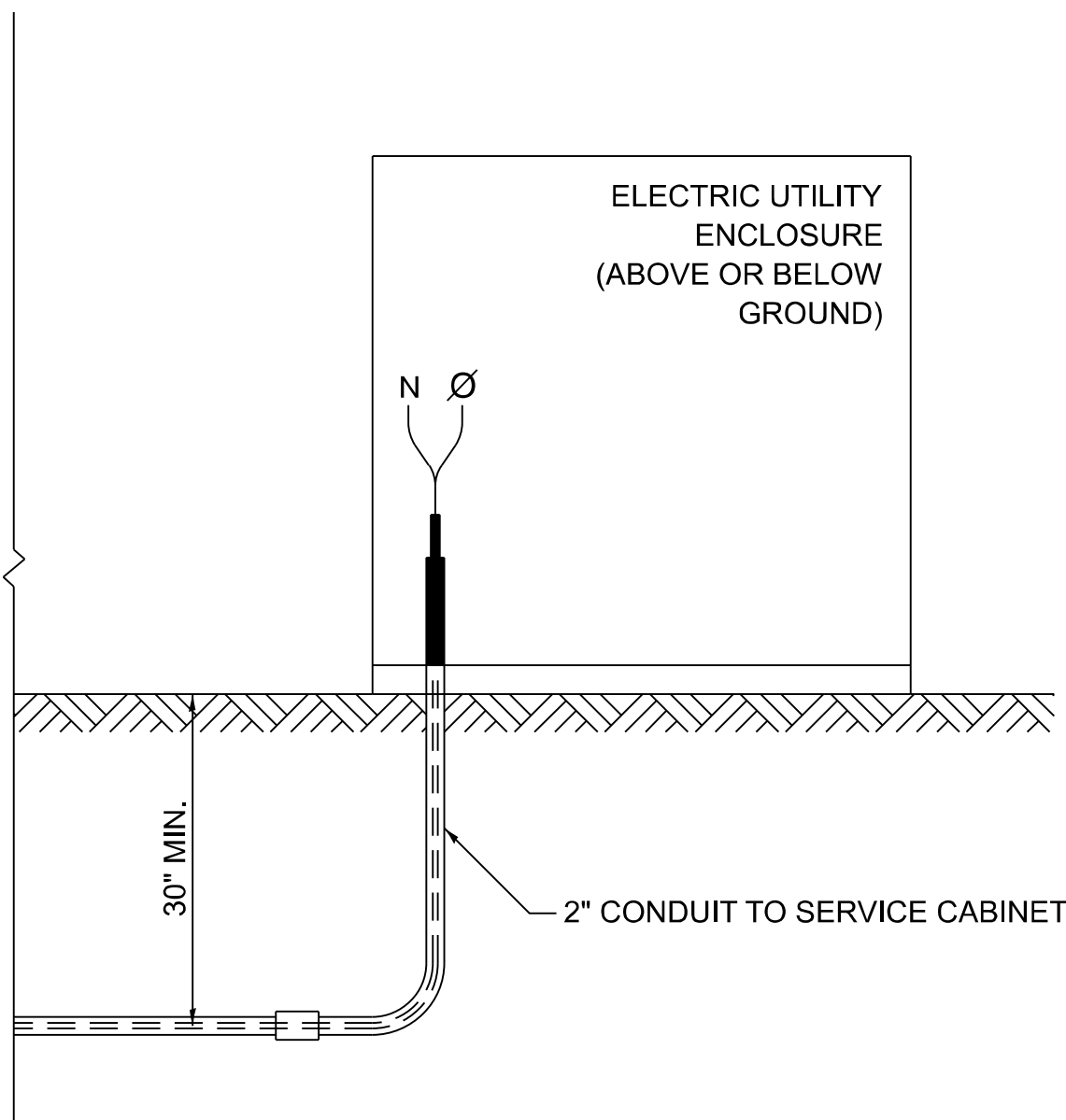
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

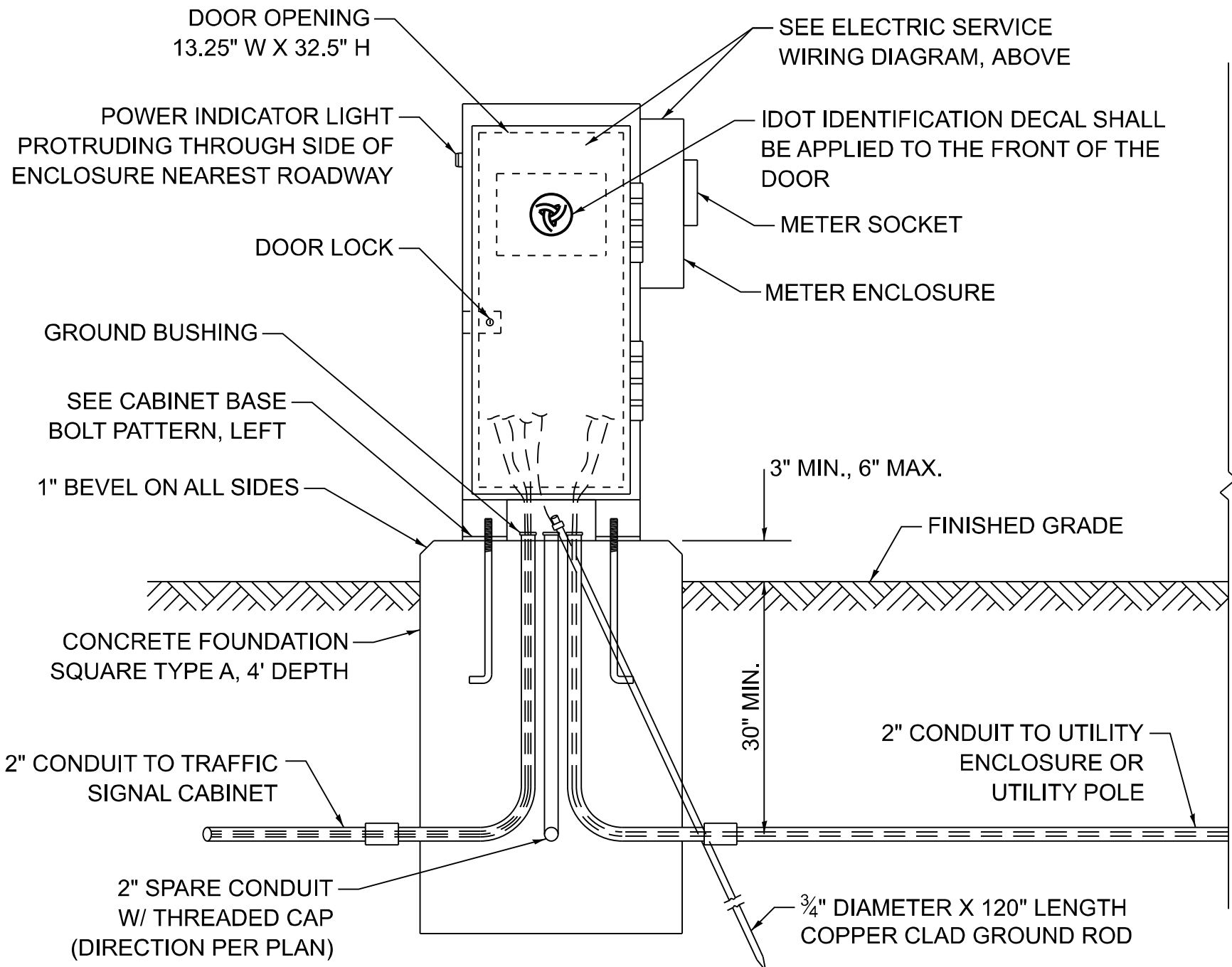
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR. THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



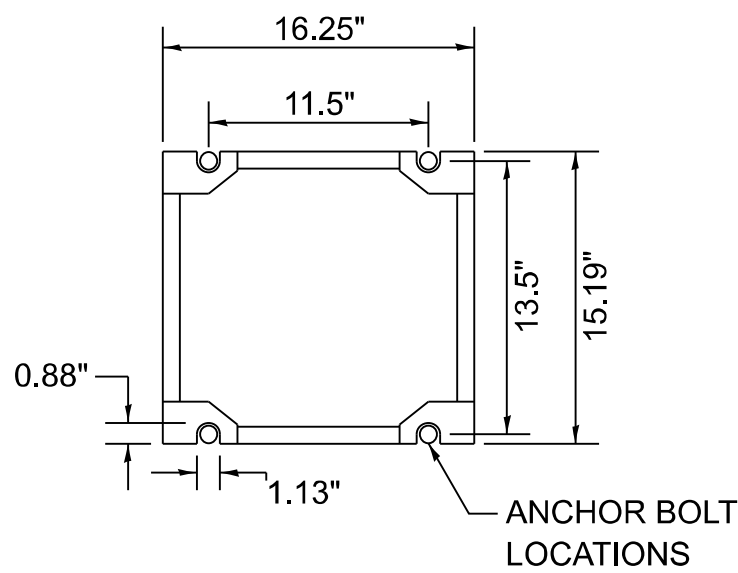
CONNECTION TO UTILITY POLE



CONNECTION TO UTILITY ENCLOSURE



SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CABINET BASE BOLT PATTERN

MODEL: TS-01D (Sheet)
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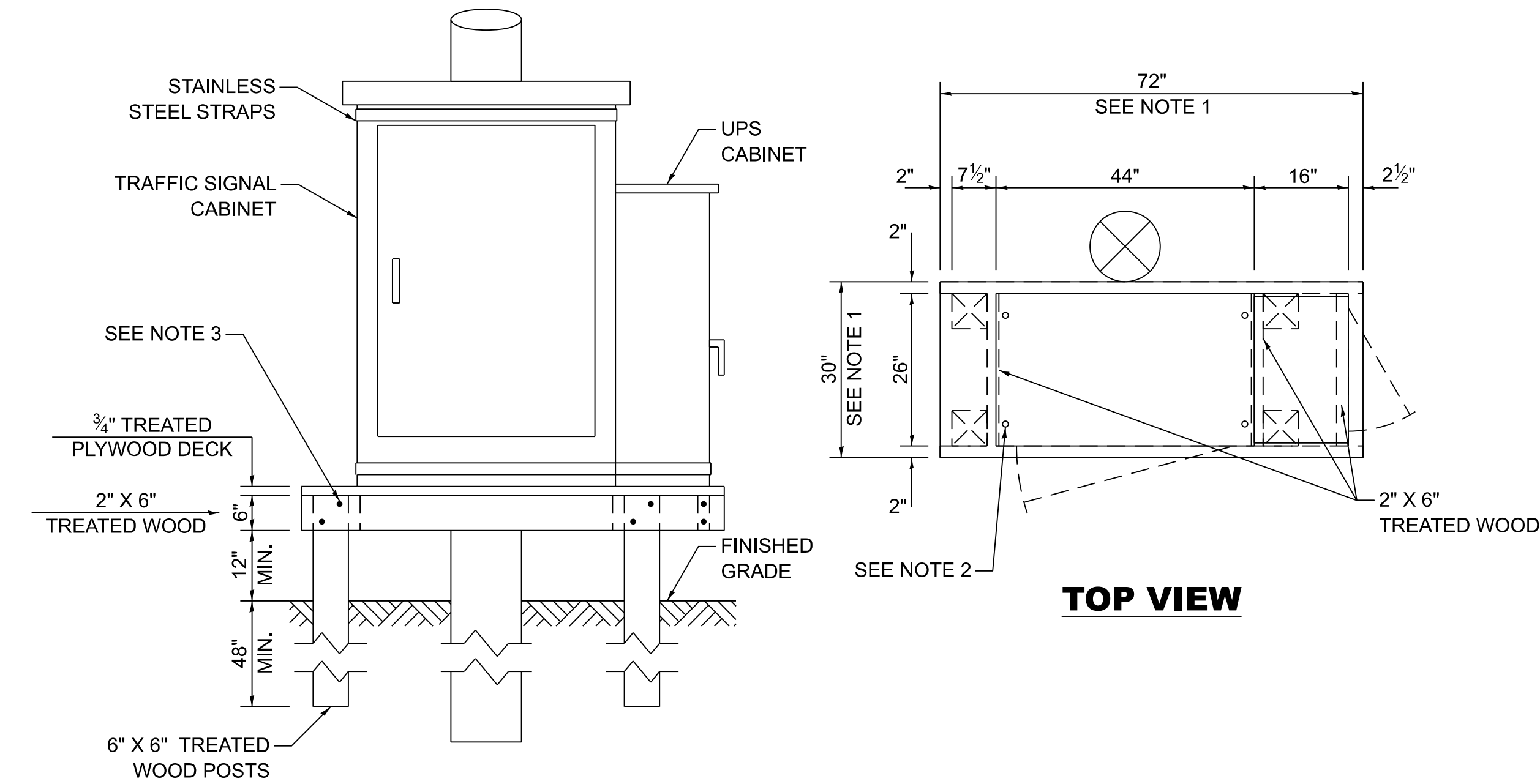
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW		COOK	62	59
TS-01			CONTRACT NO. 80D75		
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MODEL: TS-01E [Sheet]
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NOTES:

1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" X 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" X 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

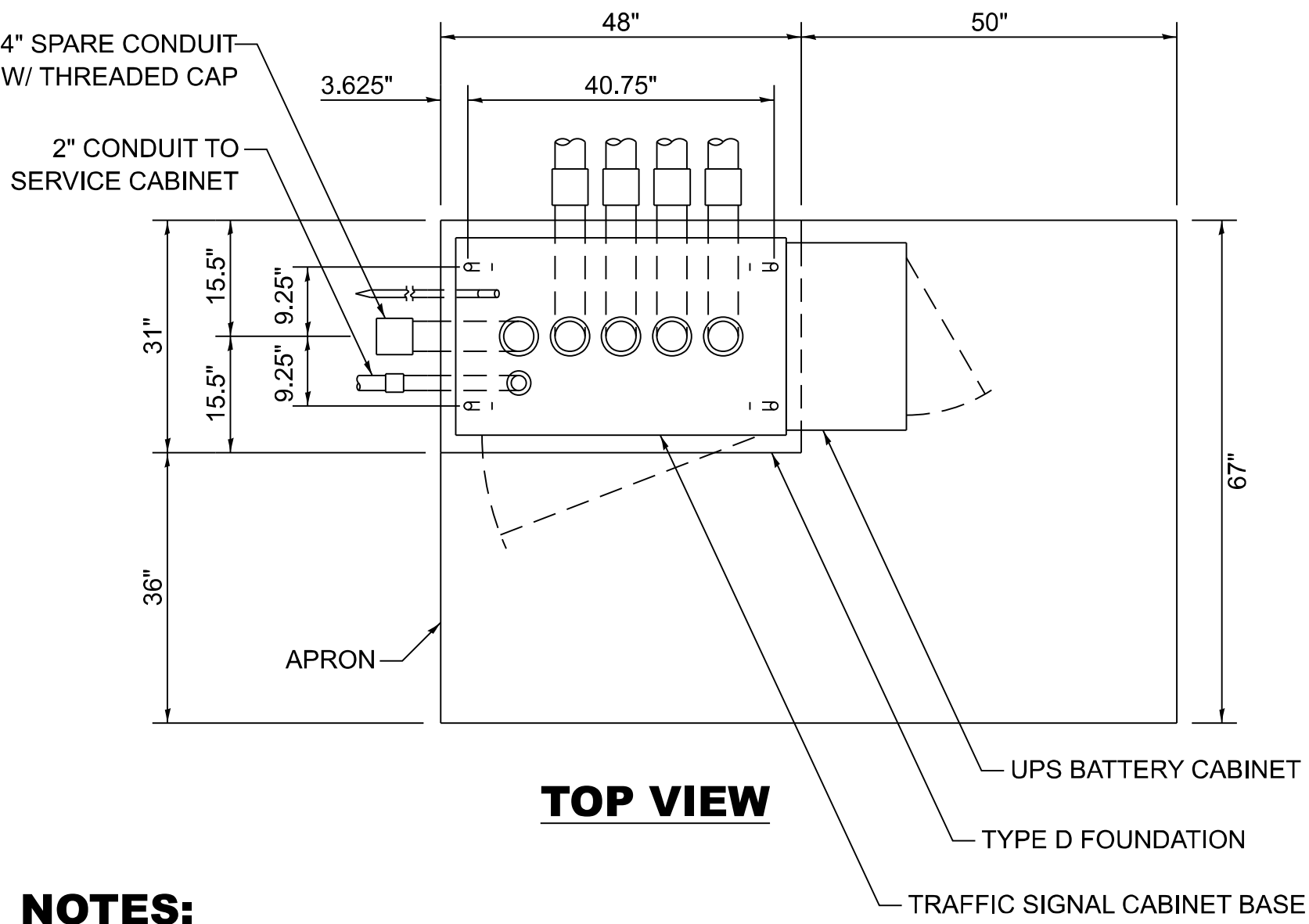
TEMPORARY TRAFFIC SIGNAL
CABINET WOOD SUPPORT PLATFORM

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
LESS THAN 30'	10'	30"	24"	8	#6
GREATER THAN OR EQUAL TO 30' AND LESS THAN 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 40' AND LESS THAN 50'	13'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 50' AND UP TO 55'	15'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 56' AND LESS THAN 65'	21'	42"	36"	16	#8
GREATER THAN OR EQUAL TO 65' AND UP TO 75'	25'	42"	36"	16	#8

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

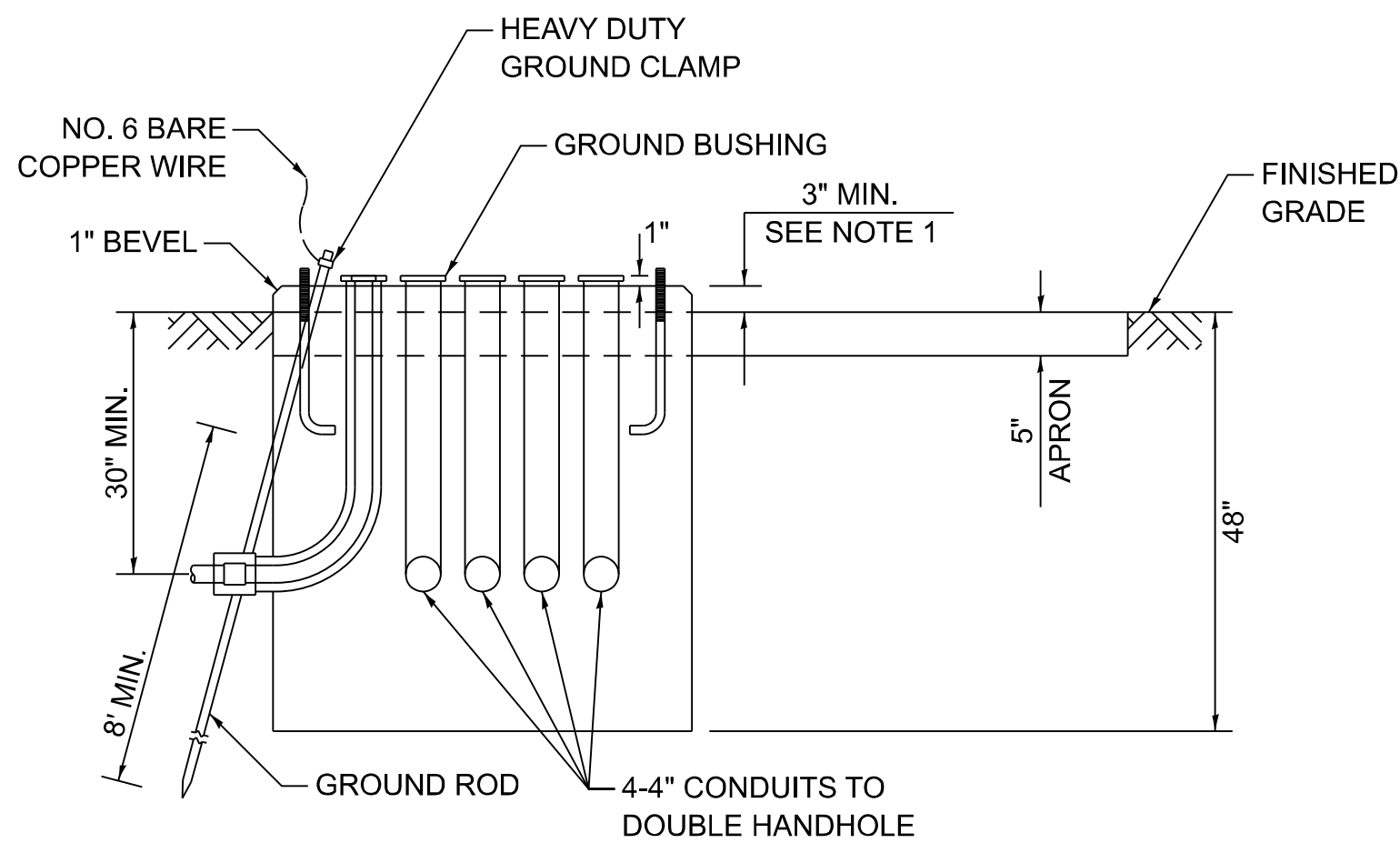
TYPE E FOUNDATION NOTES:

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

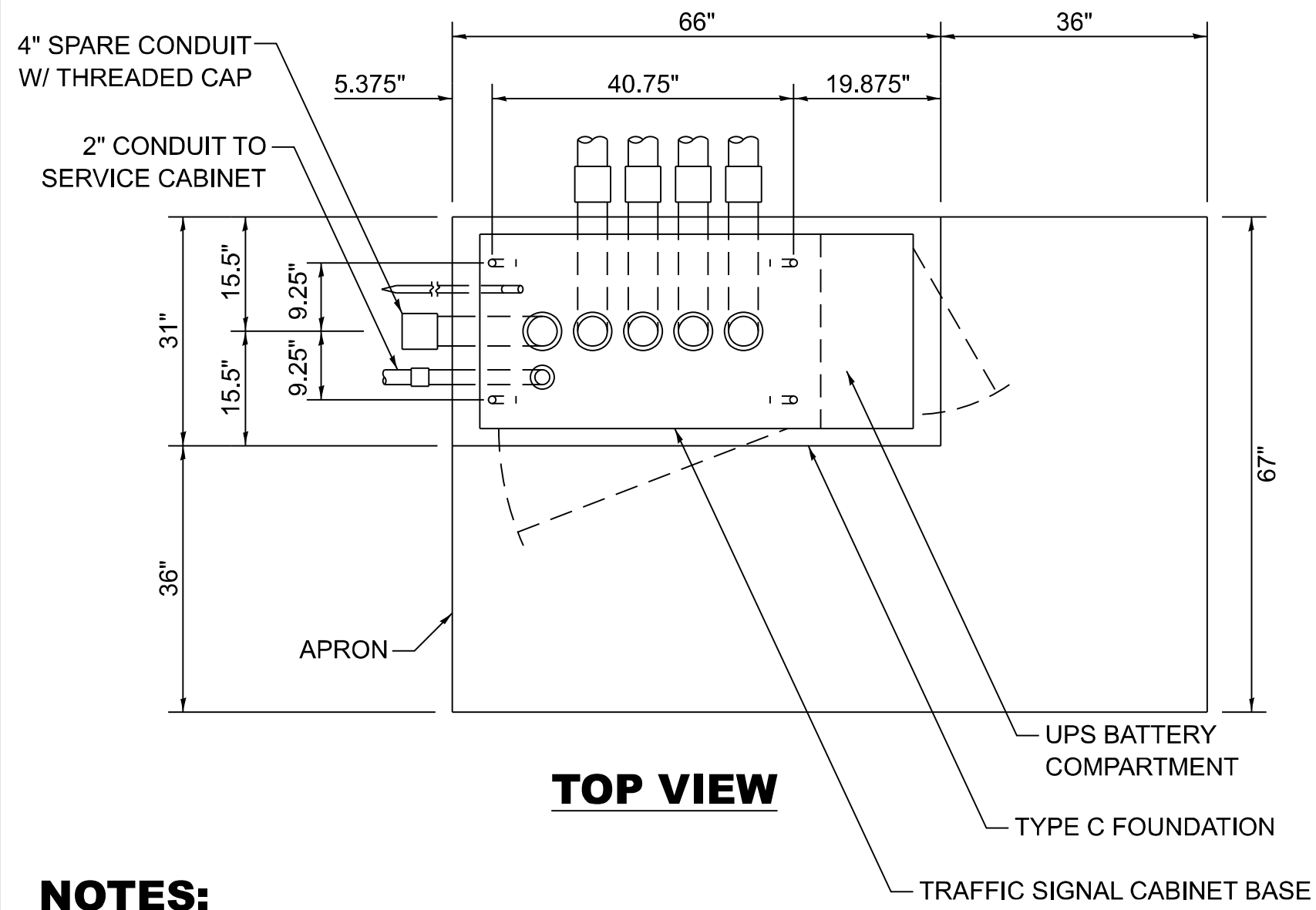


NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.

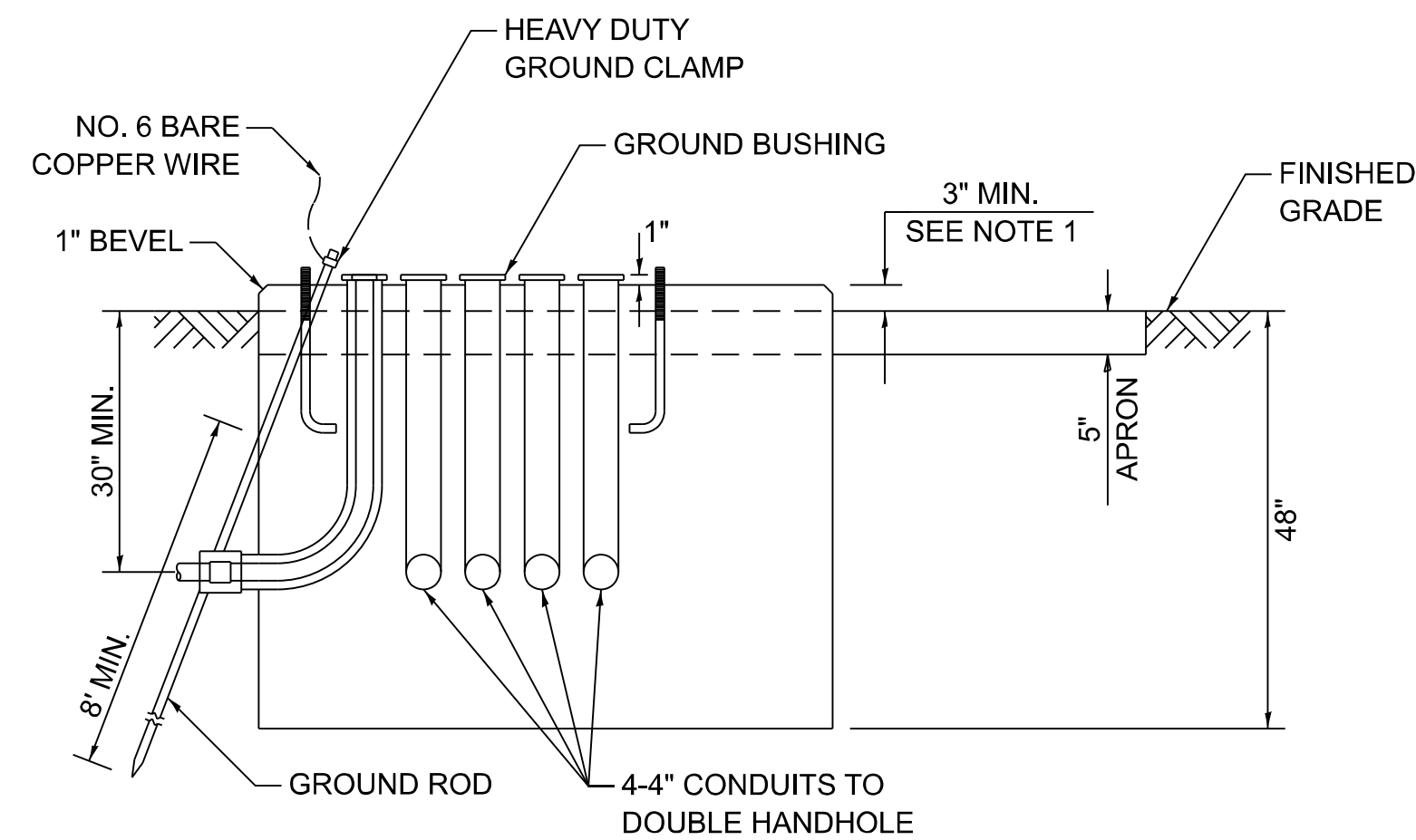


TYPE D FOUNDATION
TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET
AND UPS BATTERY CABINET



NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



TYPE C FOUNDATION
SUPER P AND SUPER R
TRAFFIC SIGNAL CABINETS

FOUNDATION	DEPTH
TYPE A - SIGNAL POST, SERVICE CABINET	4'
TYPE C - TRAFFIC SIGNAL CABINET WITH UPS	4'
TYPE D - TRAFFIC SIGNAL CABINET	4'

DEPTH OF FOUNDATIONS
TYPES A, C & D

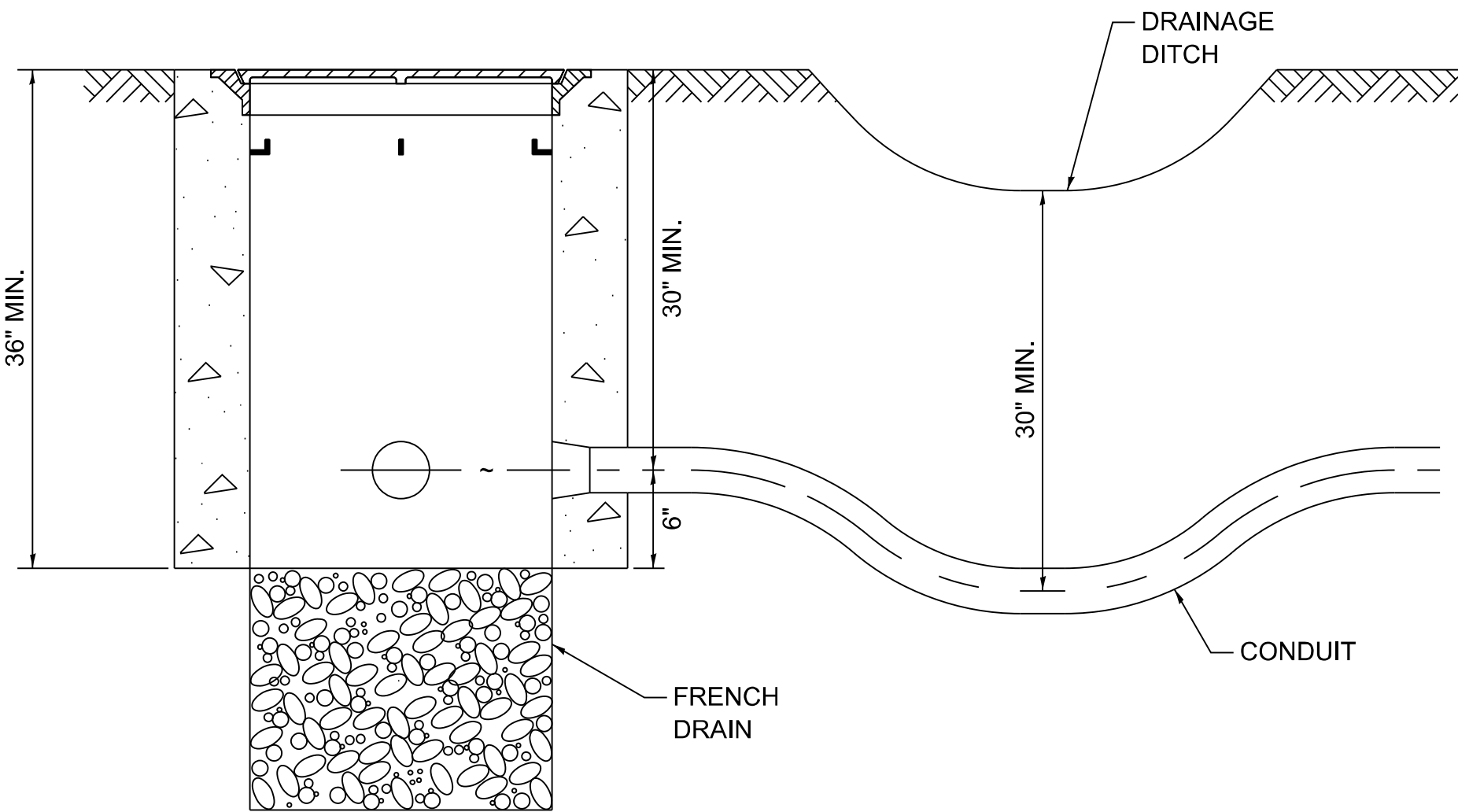
VERTICAL CABLE	LENGTH
MAST ARM MOUNTED SIGNAL HEAD (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20'+L
BRACKET MOUNTED SIGNAL HEAD (MAST ARM POLE OR SIGNAL POLE)	13'
PEDESTRIAN SIGNAL HEAD	10'
PEDESTRIAN PUSH BUTTON	6'
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5'
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5'
SERVICE INSTALLATION GROUND MOUNT	6'
FOUNDATION (SIGNAL POST, MAST ARM, TRAFFIC SIGNAL CABINET, SERVICE CABINET)	3'

VERTICAL CABLE LENGTH

CABLE SLACK	LENGTH
HANDHOLE	6.5'
DOUBLE HANDHOLE	13'
SIGNAL POST	2'
MAST ARM	2'
TRAFFIC SIGNAL CABINET OR SERVICE CABINET	1.5'
FIBER OPTIC CABLE AT TRAFFIC SIGNAL CABINET	13'
GROUND CABLE AT SIGNAL POST, MAST ARM, OR CABINET	1.5'
GROUND CABLE AT HANDHOLE OR DOUBLE HANDHOLE	6.5'
GROUND CABLE BETWEEN HANDHOLE FRAME AND COVER	5'

CABLE SLACK LENGTH

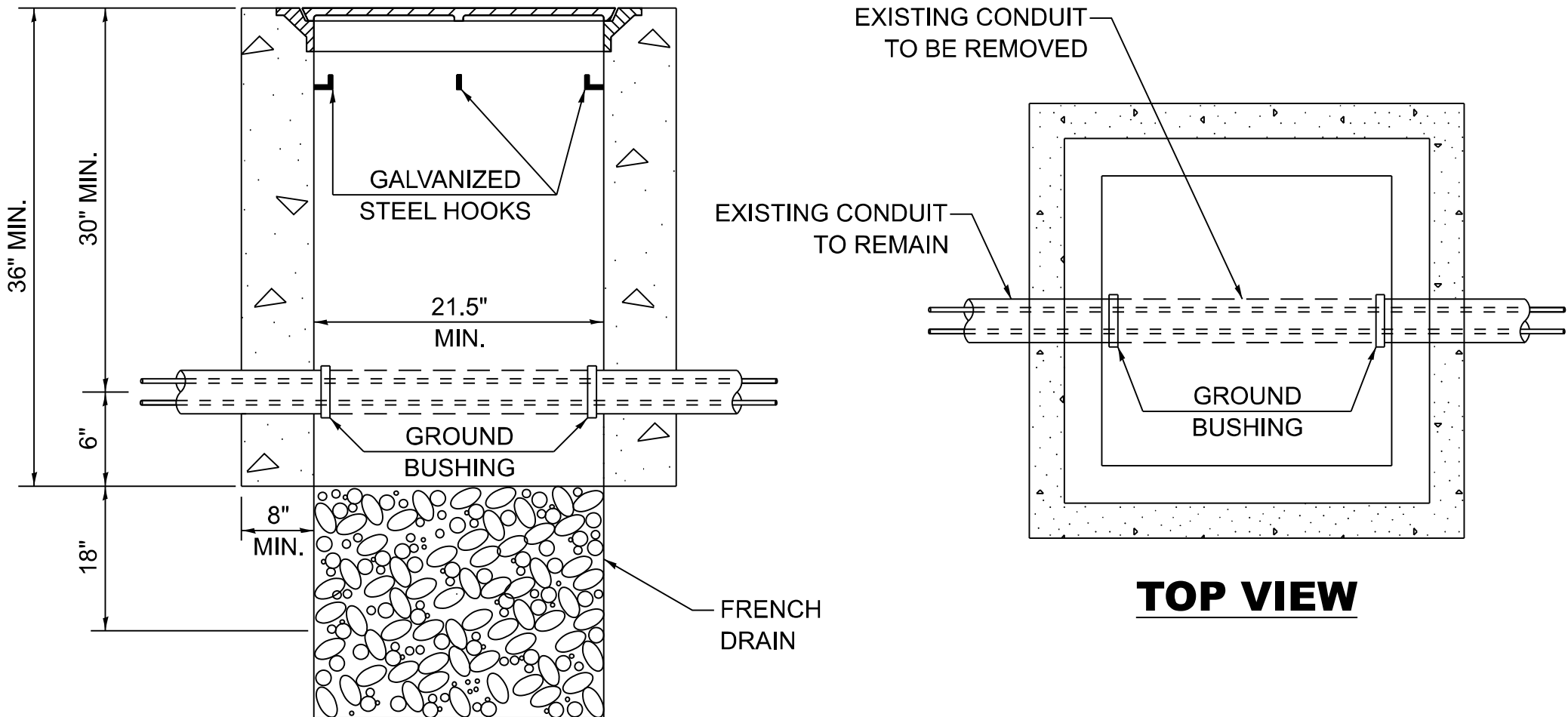
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		CHECKED - NB/KK	REVISED -		TS-01		CONTRACT NO. 80D75						
	PLOT DATE = 8/7/2026	DATE - 10/15/2025	REVISED -		SCALE: NONE	SHEET 5	OF 7	SHEETS	STA.	TO STA.			



NOTES:

1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" 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.

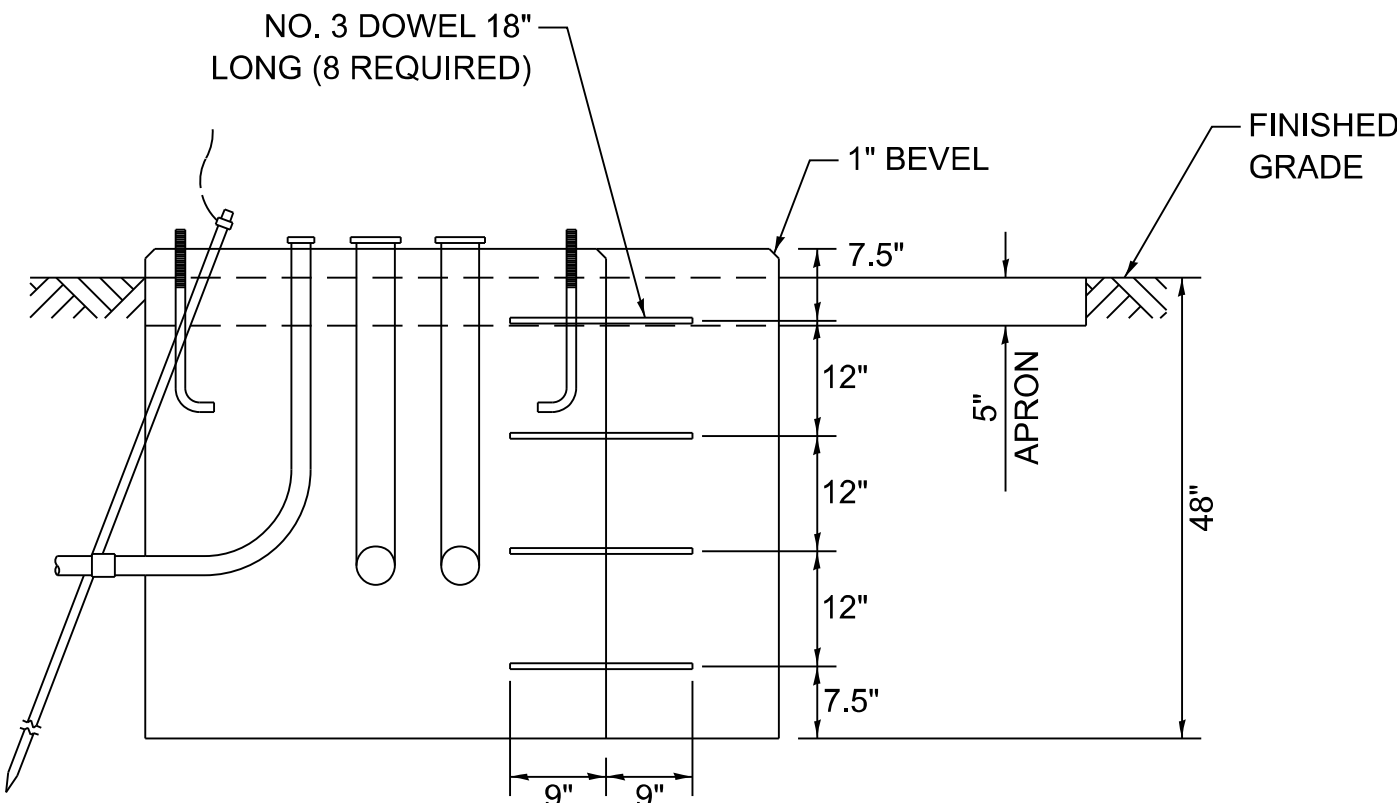
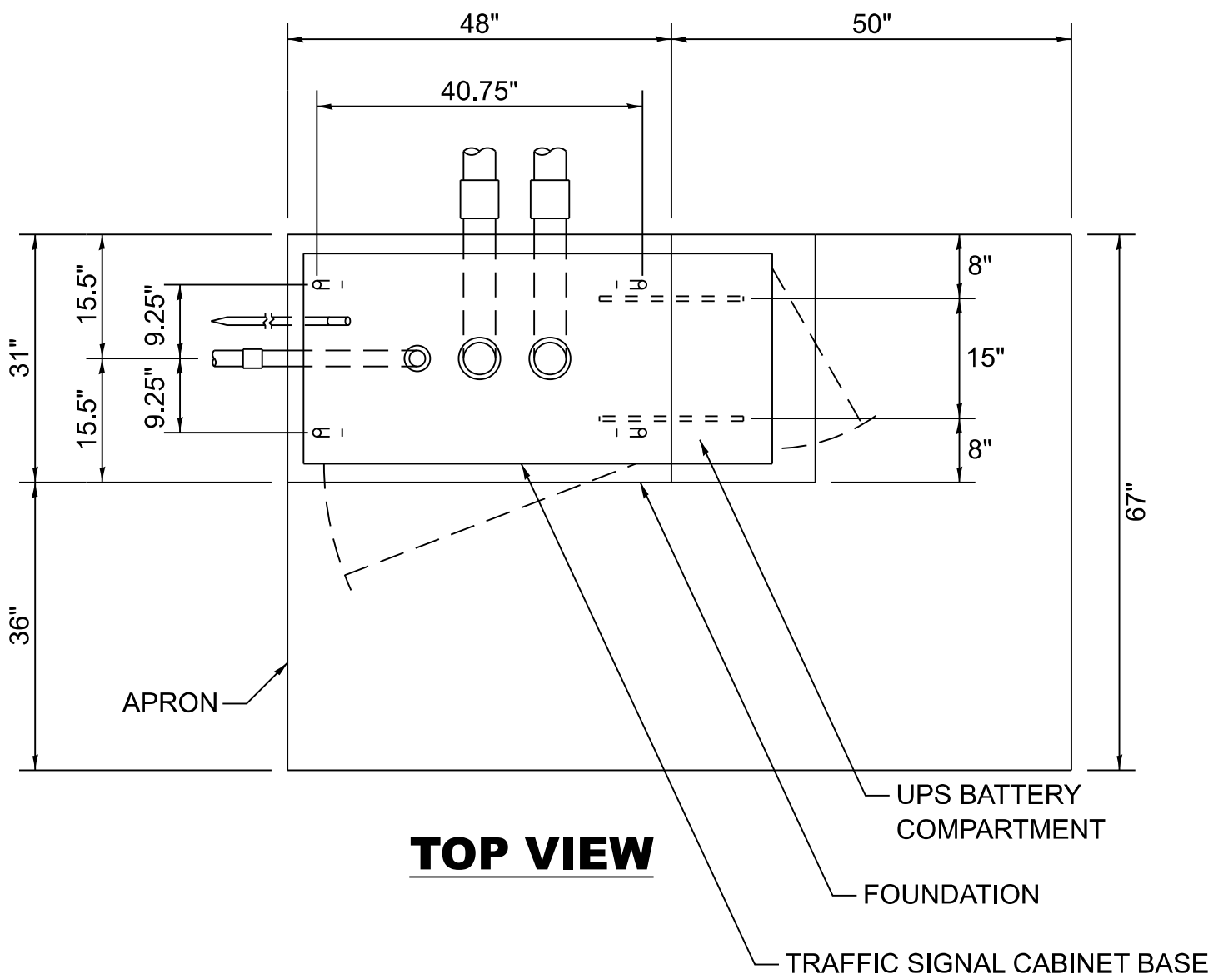
HANDHOLE WITH MINIMUM CONDUIT DEPTH



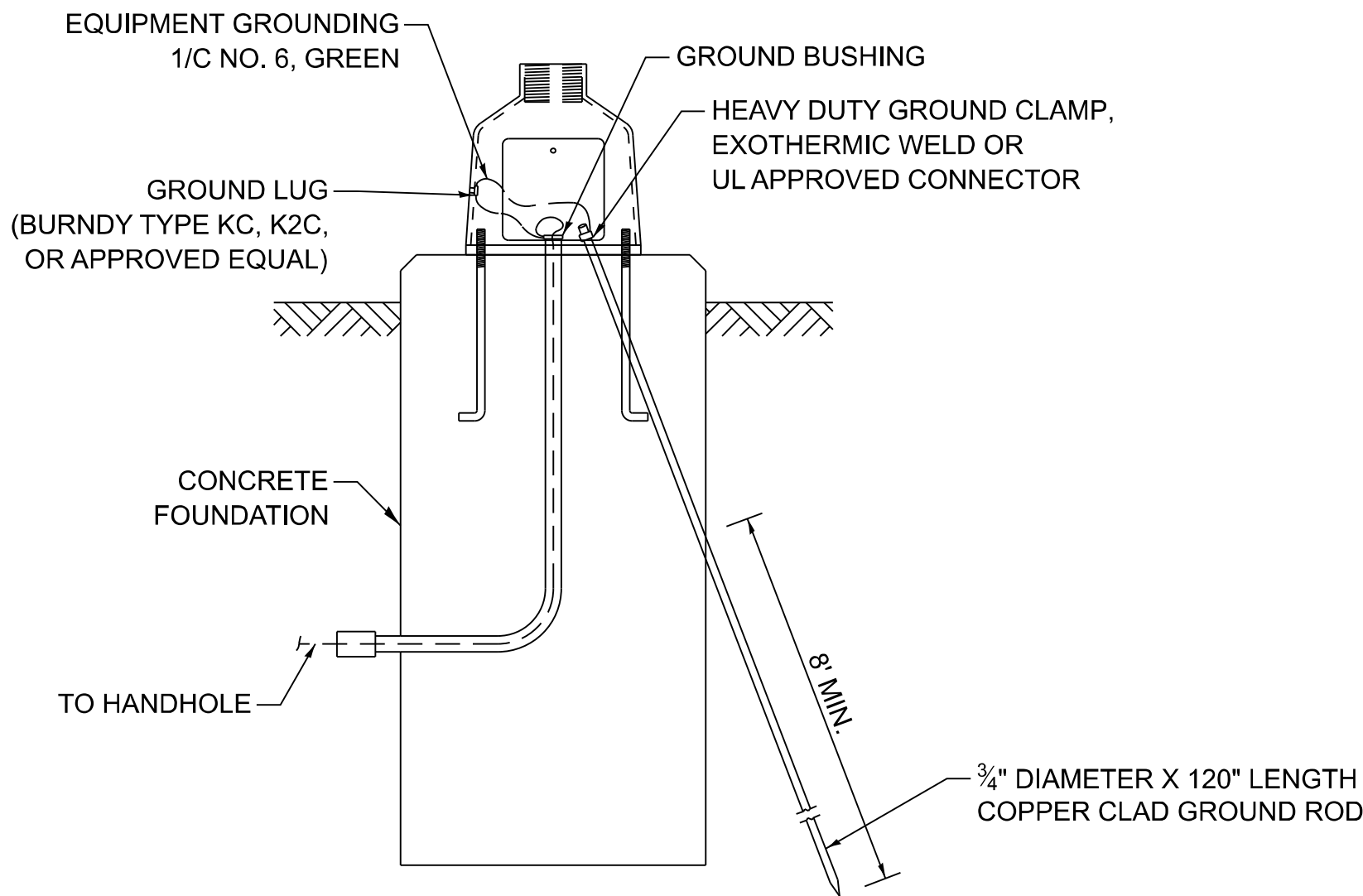
NOTES:

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.

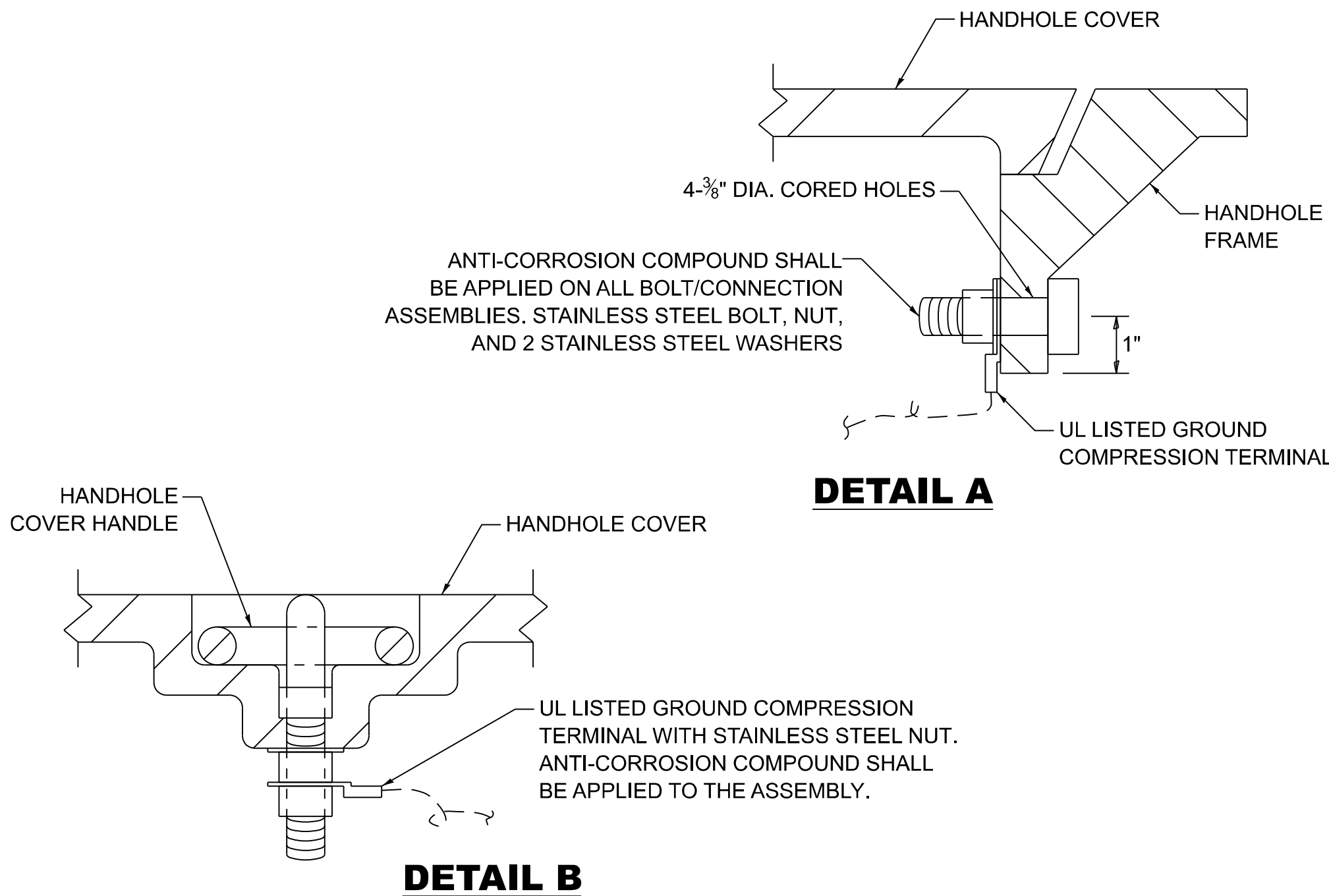
HANDHOLE TO INTERCEPT EXISTING CONDUIT



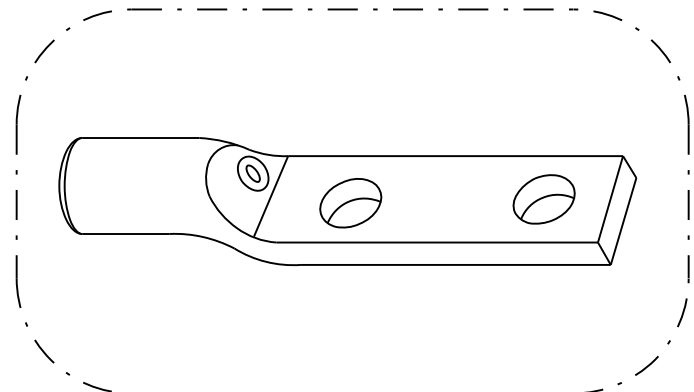
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



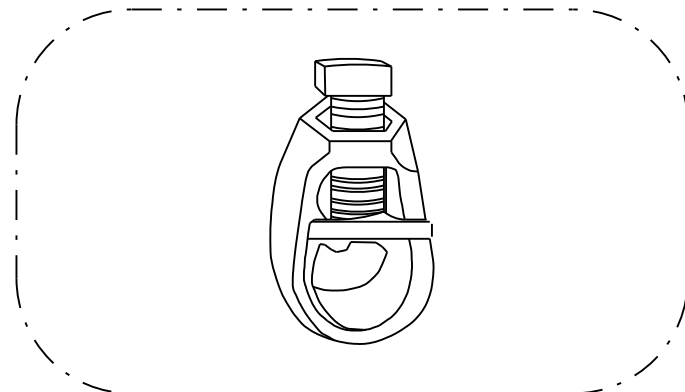
MAST ARM / POST GROUNDING DETAIL



DETAIL B



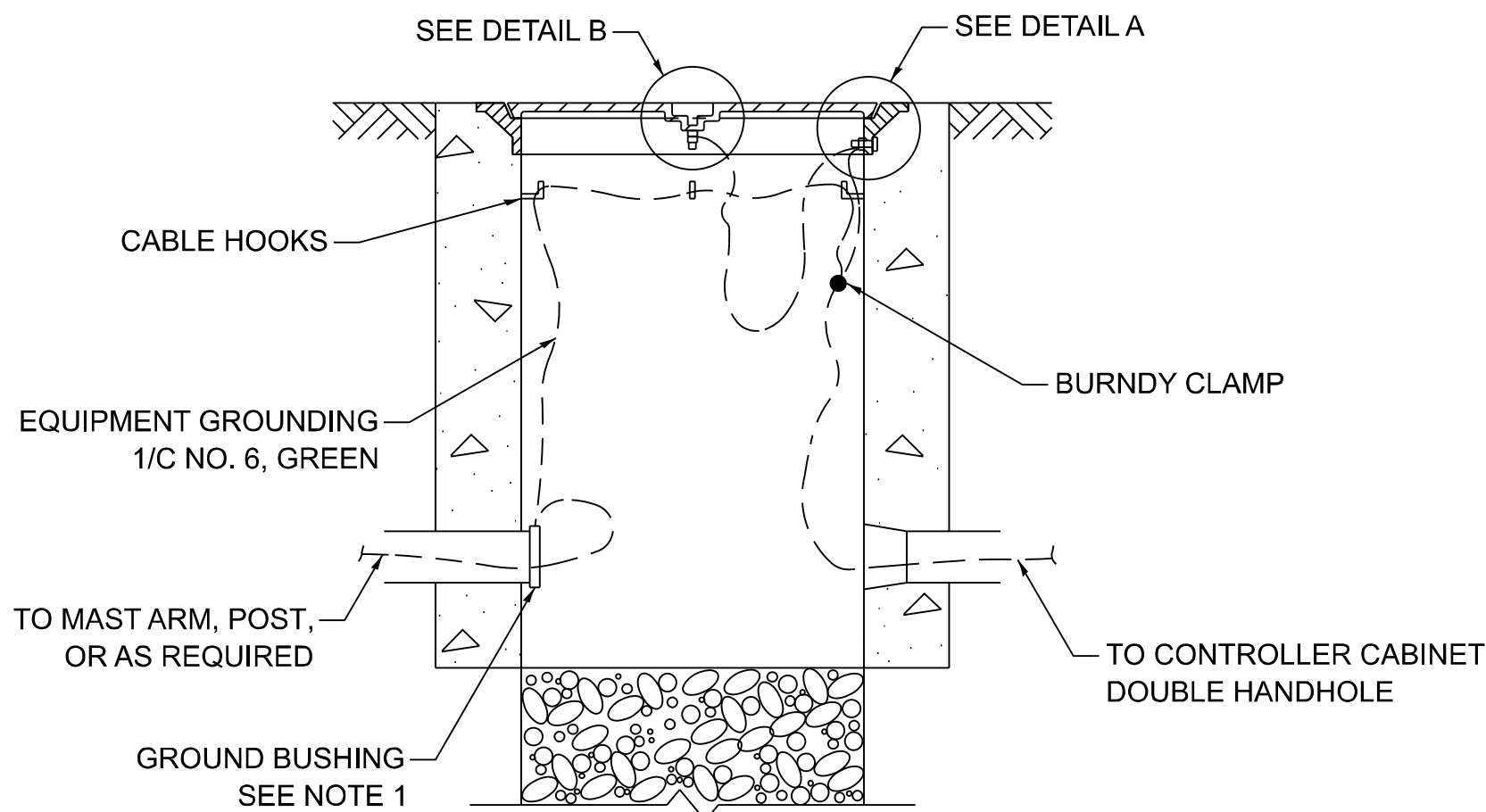
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" HEAVY-DUTY GROUND ROD CLAMP BRONZE OR COPPER, UL APPROVED (BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDING.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



HANDHOLE GROUNDING DETAIL

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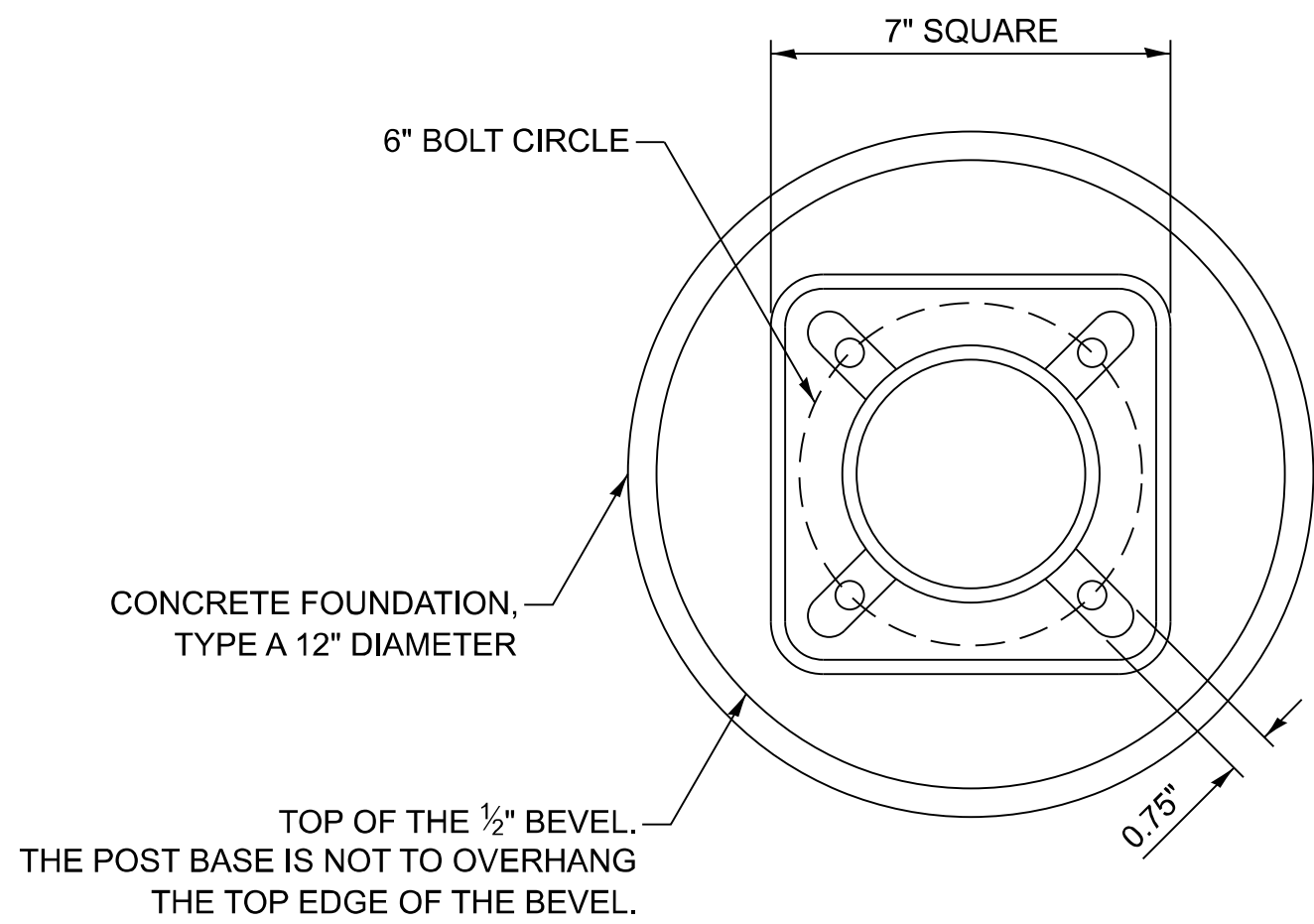
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CHECKED	- NB/KK	REVISION	-	REVISED	-
PLOT DATE	= 8/7/2026	DATE	- 10/15/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

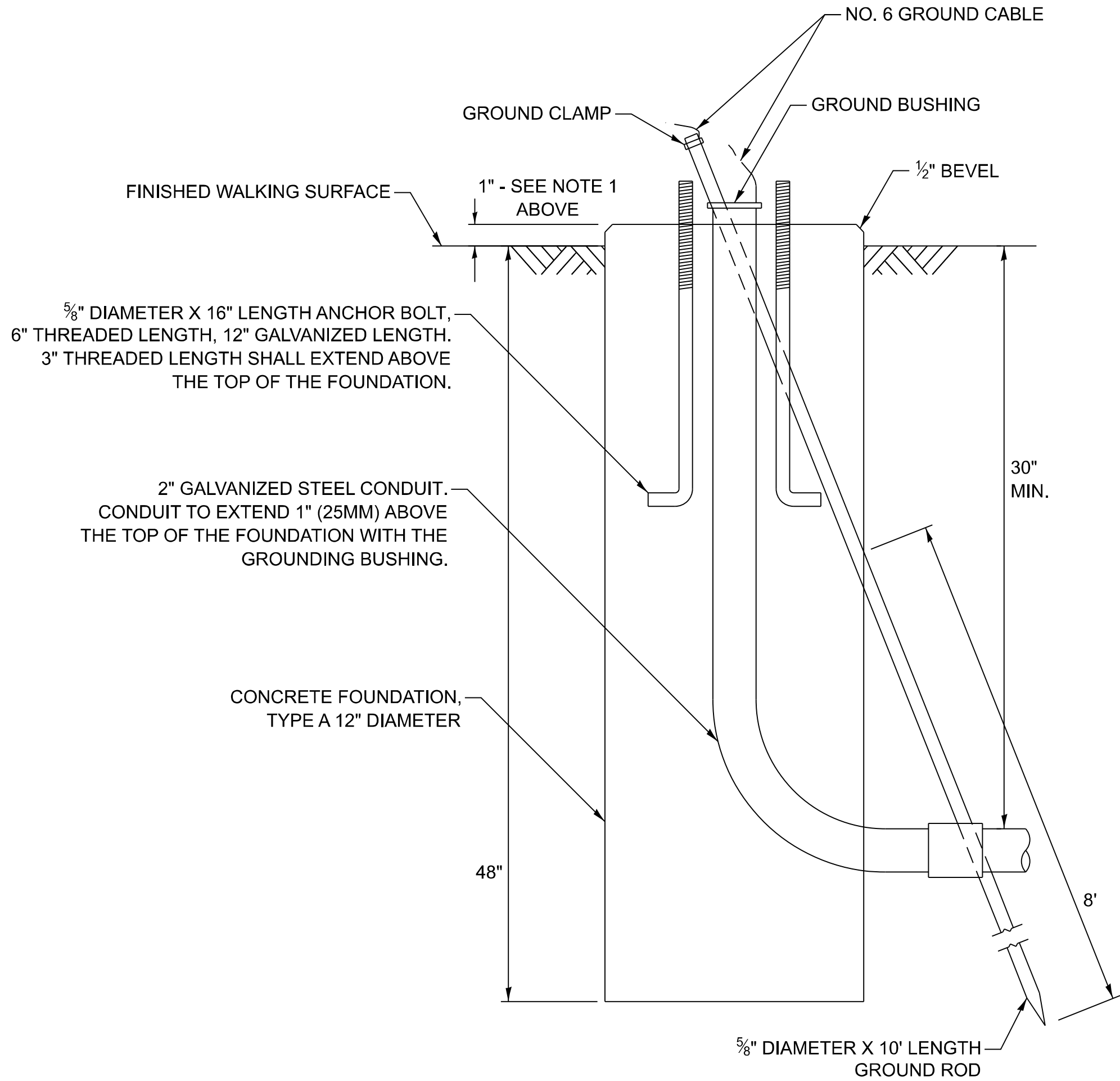
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TS-01		CONTRACT NO. 80D75		
ILLINOIS		FED. AID PROJECT		



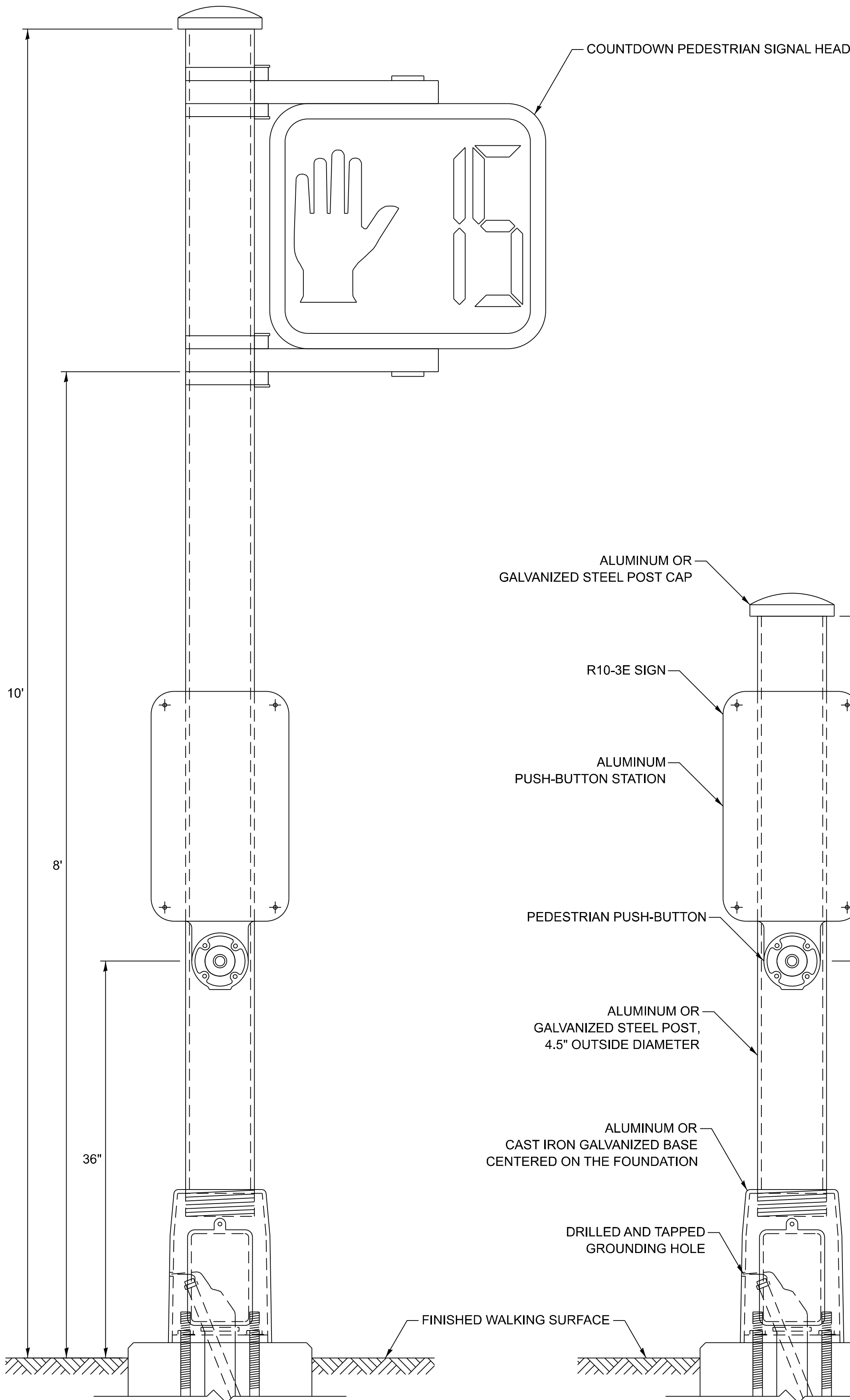
BOLT PATTERN

NOTES:

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

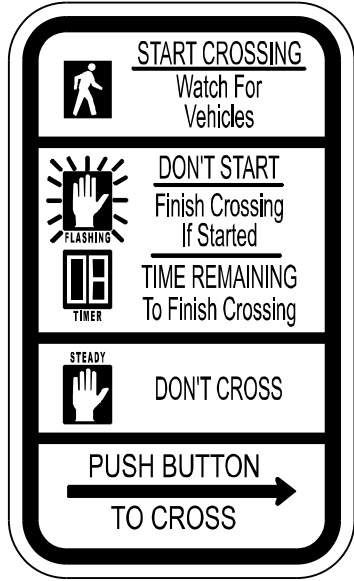


**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3E
9" X 15"



W10-1101
18" X 24"

SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3E IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-1101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

MODEL: TS-01G (Sheet)
FILE NAME: c:\p\work\p\work\hamwi\1198178D\127726-sht-DiaStds.dgn

USER NAME	= mohammad.hamwi	DESIGNED	- IP	REVISED	-
		DRAWN	- IP	REVISED	-
		CHECKED	- NB/KK	REVISED	-
PLOT DATE	= 8/7/2026	DATE	- 10/15/2025	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2026-2260-RS,SW	COOK	62	62
TS-01		CONTRACT NO. 80D75		
		ILLINOIS	FED. AID PROJECT	