

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	1
		ILLINOIS	CONTRACT NO. 62V71	

**PROPOSED  
HIGHWAY PLANS**

**FAP ROUTE 577: IL-171 (COLLINS ST / STATE ST / US-6)  
US 6/30 (LINCOLN HWY) (CASS ST) TO DIVISION STREET  
SECTION: FAP 0577 23 SMART  
PROJECT: NHPP-5028(101)  
STANDARD OVERLAY & ADA IMPROVEMENTS  
WILL COUNTY**

C-91-057-24

FOR INDEX OF SHEETS, SEE SHEET NO. 2

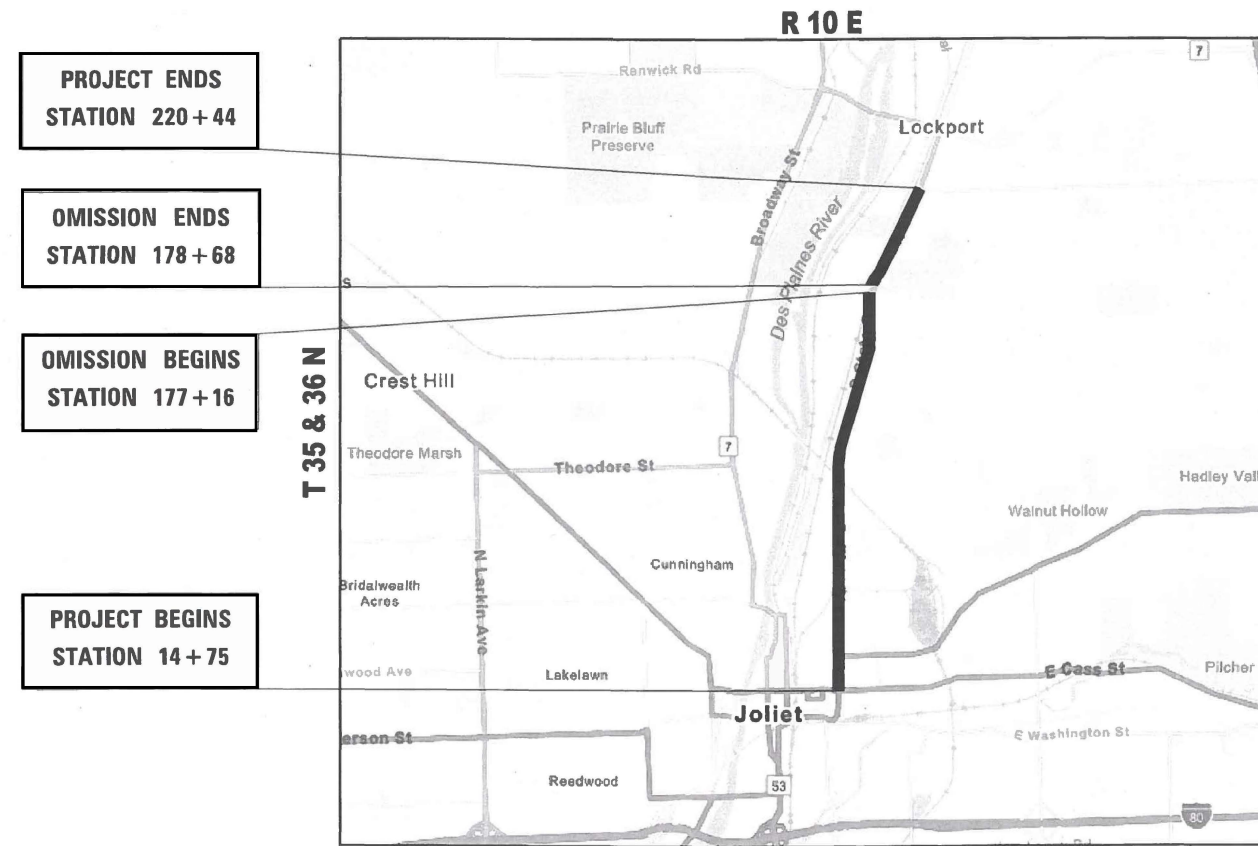
THE PROJECT IS LOCATED IN  
THE CITIES OF LOCKPORT  
& JOLIET

**TRAFFIC DATA:**

ADT = 10,000 - 13,100 (2023)

POSTED SPEED LIMIT = 30, 35 & 40 MPH

DESIGN DESIGNATION = OTHER PRINCIPAL ARTERIAL

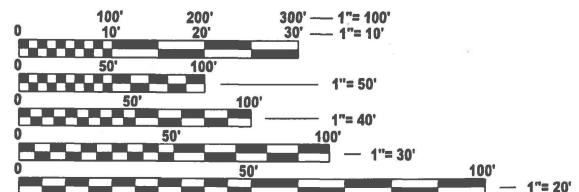
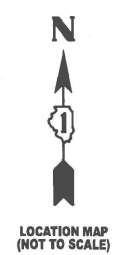


PROJECT ENDS  
STATION 220 + 44

OMISSION ENDS  
STATION 178 + 68

OMISSION BEGINS  
STATION 177 + 16

PROJECT BEGINS  
STATION 14 + 75



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. 62V71

JOLIET & LOCKPORT TOWNSHIP

GROSS LENGTH = 20,569 FEET = 3.90 MILES  
OMISSION LENGTH = 152 FEET = 0.03 MILES  
NET LENGTH = 20,417 FEET = 3.87 MILES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 23 2026  
Joseph D. [Signature] REGIONAL ENGINEER

March 20 2026  
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

March 20 2026  
[Signature] 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
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
3-5	SUMMARY OF QUANTITIES	424011-05	DEPRESSED CORNER FOR SIDEWALKS
6	LANDSCAPING SCHEDULE OF QUANTITIES	424021-07	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
7-8	TYPICAL SECTIONS	442201-04	CLASS C AND D PATCHES
9-16	ROADWAY PLANS	606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
17	DRAINAGE IMPROVEMENT PLAN	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM EDGE OF PAVEMENT
18-32	ADA RAMP DESIGNS	701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
33-46	APS, DETECTOR LOOP & TRAFFIC SIGNAL PLANS	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM EDGE OF PAVEMENT
47	FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
48	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
49	CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
50	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
51	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
52	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
53	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
54	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
55	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
56	ARTERIAL ROAD INFORMATION SIGN (TC-22)	701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
57	DRIVEWAY ENTRANCE SIGNING (TC-26)	701901-11	TRAFFIC CONTROL DEVICES
58-64	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-01)	780001-05	TYPICAL PAVEMENT MARKINGS
		781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
		886001-01	DETECTOR LOOP INSTALLATIONS
		886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 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.
- 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.
- 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.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 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.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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.
- 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.
- THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS AREA TRAFFIC FIELD ENGINEER AT, ERIC.CAMPOS@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 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.
- ALL PAVEMENT MARKINGS ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING DETAIL TC-13.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.
- ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPD DETAIL TC-11.
- 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.
- 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.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITIES COMPANIES AND THE CITIES OF LOCKPORT & JOLIET.
- TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
- RESURFACING, MILLING AND PAVEMENT MARKING WORK FROM DAGGETT STREET TO DIVISION STREET TO BE DONE BY THE CITY OF LOCKPORT AFTER WATERMAIN PROJECT.

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PLOT DATE = 1/29/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INDEX OF SHEETS, STATE STANDARDS &amp; GENERAL NOTES</b>			
<b>IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST</b>			
SCALE:	SHEET	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	C O N T R Y	TOTAL SHEETS	SHEET NO.
577	FAP 0577 2 3SMART	WILL	64	2
			CONTRACT NO. 62V71	
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-171 WILL	IL-171 WILL	IL-171 WILL			
				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	225.5	225.5					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	166.3	166.3					
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	42	42					
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	11	11					
20200100	EARTH EXCAVATION	CU YD	130	130					
20800150	TRENCH BACKFILL	CU YD	65	65					
21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	137	137					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1.8	1.8					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1.8	1.8					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1.8	1.8					
25200110	SODDING, SALT TOLERANT	SQ YD	137	137					
25200200	SUPPLEMENTAL WATERING	UNIT	1	1					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	65533	65533					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	52333	52333					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	146	146					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	756	756					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	4005	4005					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	8156	8156					
42001300	PROTECTIVE COAT	SQ YD	725	725					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4641	4641					
42400800	DETECTABLE WARNINGS	SQ FT	303	303					

\* = SPECIALTY ITEM

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-171 WILL	IL-171 WILL	IL-171 WILL			
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	97085	97085					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	50	50					
44000600	SIDEWALK REMOVAL	SQ FT	3456	3456					
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	40	40					
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	50	50					
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	300	300					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	120	120					
60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	3	3					
60218400	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1					
60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5					
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3					
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	41	41					
60406001	FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	EACH	7	7					
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	50	50					
60920012	PIPE CULVERTS TO BE CLEANED 12"	FOOT	85	85					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	130	130					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					

\* = SPECIALTY ITEM

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PLOT DATE = 1/29/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY) (CASS ST) TO DIVISION ST			
SCALE:	SHEET 7	OF 3	SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 3
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-171 WILL	IL-171 WILL	IL-171 WILL			
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	10	10					
67100100	MOBILIZATION	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
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	30198	30198					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2550	2550					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1602	1602					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	100144	100144					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	4762	4762					
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	90	90					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	27370	27370					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	2192	2192					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	7550	7550					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	801	801					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	50072	50072					

\* = SPECIALTY ITEM

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-171 WILL	IL-171 WILL	IL-171 WILL			
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2381	2381					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	45	45					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	13685	13685					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1096	1096					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	383	383					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1450	1450					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1450	1450					
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	138			138			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6			6			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	3109			3109			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	322			322			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	328			328			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	378			378			
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	198			198			
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1			1			
* 87900200	DRILL EXISTING HANDHOLE	EACH	20			20			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8			8			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4			4			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3624			3624			
* 89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1			
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2599			2599			

\* = SPECIALTY ITEM

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY) (CASS ST) TO DIVISION ST			
SCALE:	SHEET 8	OF 3	SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 4
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-171 WILL	IL-171 WILL	IL-171 WILL			
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6			6			
* 89502376	REBUILD EXISTING HANDHOLE	EACH	16	8		8			
K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1					
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
X0325207	TELEVISION INSPECTION OF SEWER	FOOT	565	565					
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	20			20			
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	2.3	2.3					
X2010516	SELECTIVE CLEARING	UNIT	0.25	0.25					
X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	134	134					
X4400060	BRICK SIDEWALK REMOVAL	SQ FT	1228	1228					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	50	50					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	922	922					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	775		775				
X6700407	ENGINEER'S FIELD OFFICE, TYPEA (D1)	CAL MO	12	12					
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	210	210					
* X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	2	2					
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	46			46			
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	80			80			
* X8809005	LED SIGNAL FACE, LENS COVER	EACH	1			1			
* X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1			1			
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10		10				

\* = SPECIALTY ITEM

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-171 WILL	IL-171 WILL	IL-171 WILL			
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	6			6			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					

\* = SPECIALTY ITEM

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	DRAWN -	REVISED -
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PLOT DATE = 1/29/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY) (CASS ST) TO DIVISION ST			
SCALE:	SHEET 9 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 5
CONTRACT NO. 62V71				
ILLINOIS   FED. AID PROJECT				

# LANDSCAPING SCHEDULE OF QUANTITIES

TREE REMOVAL (6 TO 15 UNITS DIAMETER)	
20100110	
STATION	QUANTITY
74+00 RT	12
74+00 RT	7
66+50 RT	6
65+00 RT	7
47+75 LT	14.8
40+00 LT	13.8
74+00RT	12
74+00RT	7
65+50RT	7
66+00RT	6
47+50LT	14.8
41+00LT	13.8
38+00LT	14.7
38+00RT	12
30+00RT	9.5
24+00LT	7.5
23+00RT	13.1
23+00RT	14
21+50RT	14.5
20+00RT	19 (3 trees)
TOTAL	225.5 UNITS

TREE REMOVAL (OVER 15 UNITS DIAMETER)	
20100210	
STATION	QUANTITY
158+75 LT	18.1
156+00 LT	17.1
38+00RT	26.3
38+00RT	23.6
38+00RT	23.5
37+50RT	23.2
30+00RT	17.5
20+00RT	17
TOTAL	166.3 UNITS

TREE PRUNING (1 TO 10 INCH DIAMETER)	
20101300	
STATION	QUANTITY
206+00 to 218+00 RT and LT	25
54+00 to 64+00RT	17
TOTAL	42 EA

TREE PRUNING (OVER 10 INCH DIAMETER)	
20101350	
STATION	QUANTITY
37+00LT	1
33+00RT	2
24+00LT	3
18+00RT	5
TOTAL	11 EA

PRUNING FOR SAFETY & EQUIP. CLEAR	
K1004595	
LUMP SUM TOTAL	QUANTITY
LUMP SUM TOTAL	1

SELECTIVE CLEARING	
X2010516	
STATION	QUANTITY
73+50 to 73+75RT	0.25
TOTAL	0.25 UNITS

TREE REMOVAL, ACRES (SPECIAL)	
X2010350	
STATION	QUANTITY
178+00 to 189+00 LT	0.38
172+00 to 177+00 LT	0.23
148+00 to 156+00 LT	0.37
149+00 to 151+00 RT	0.09
139+00 to 142+00 RT	0.14
136+00 to 139+00 RT	0.14
119+50 to 128+00 RT	0.39
100+75 to 101+65 LT	0.05
97+00 to 99+25 LT	0.13
97+00 99+25 RT	0.13
100+50 to 102+00LT	0.07
97+50 to 99+50RT	0.09
97+00 to 99+00LT	0.09
TOTAL	2.3 ACRE

NOTE: Contact the IDOT Roadside Development Unit at 847-705-4171 at least 2 weeks prior to beginning landscape and forestry work for layout.

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	DRAWN -	REVISED -
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PLOT DATE = 1/29/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

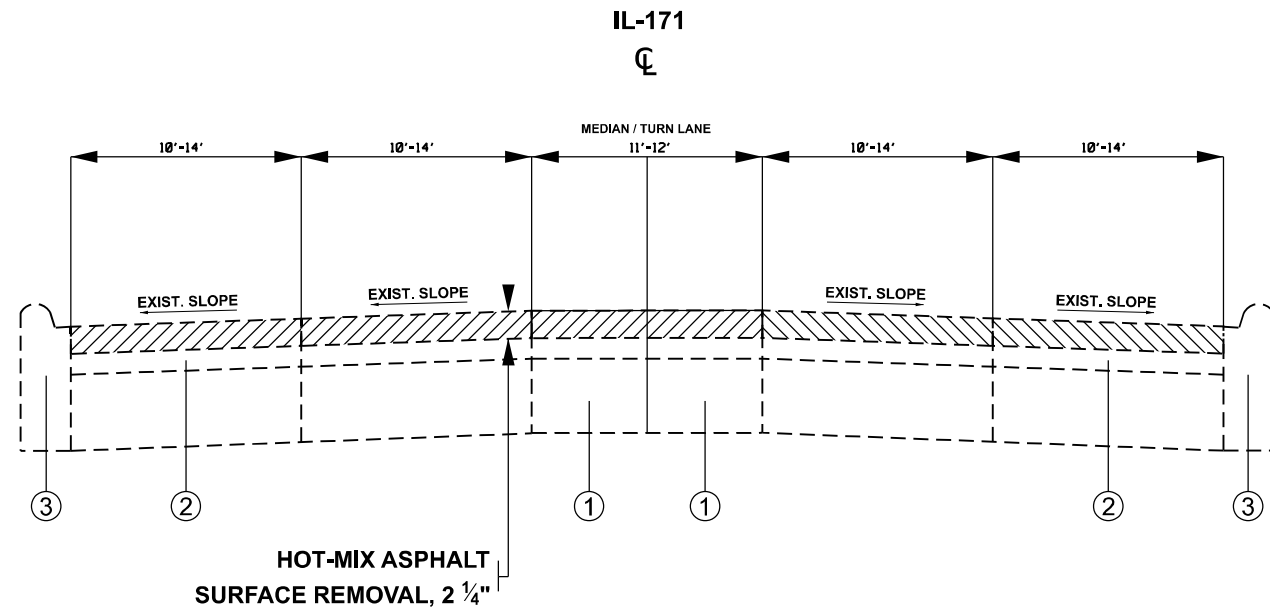
**LANDSCAPING SCHEDULE OF QUANTITIES**  
**IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY) (CASS ST) TO DIVISION ST**

SCALE: SHEET A001 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	6
CONTRACT NO. 62V71				
ILLINOIS   FED. AID PROJECT				

**LEGEND - EXISTING**

- ① PORTLAND CEMENT CONCRETE PAVEMENT ±9"
- ② HOT MIX ASPHALT PAVEMENT ±7"
- ③ EXISTING CURB AND GUTTER

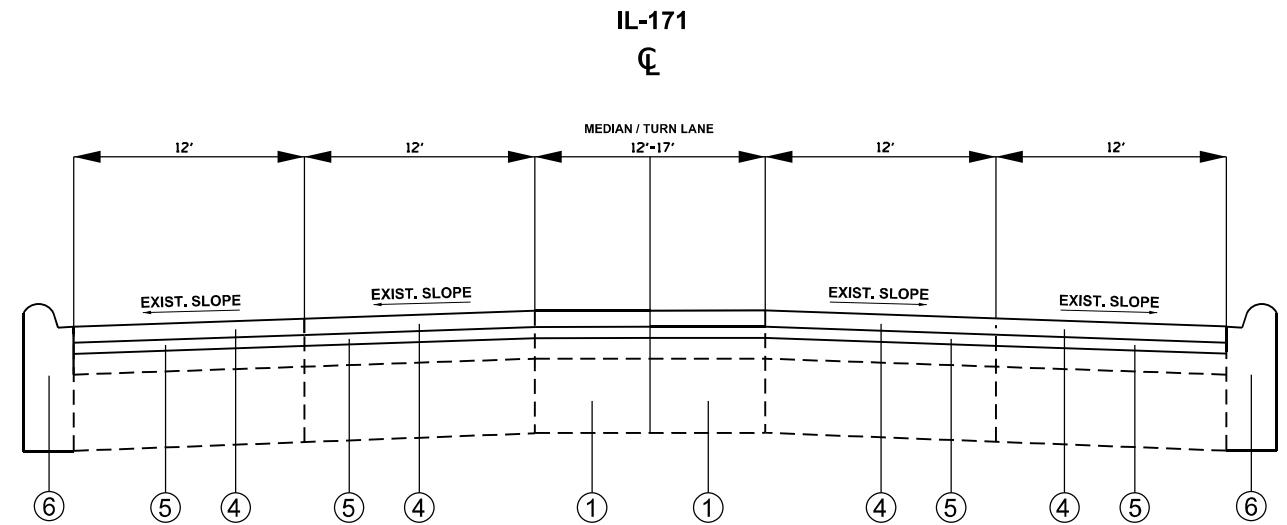


**EXISTING TYPICAL SECTION**

**STATION:**  
 14+75 TO 17+54  
 25+36 TO 31+35  
 53+20 TO 103+00

**LEGEND - PROPOSED**

- ④ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑥ COMBINATION CURB & GUTTER (REMOVAL & REPLACEMENT DETERMINED BY RE)



**PROPOSED TYPICAL SECTION**

**STATION:**  
 14+75 TO 17+54  
 25+36 TO 31+35  
 53+20 TO 103+00

LOCATION	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
	MIXTURE TYPE	AIR VOIDS @ Ndesign	
<b>PAVEMENT RESURFACING</b>			
IL-171	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"	4.0% @ 70 GYR	QCP
IL-171	POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	QCP
<b>PATCHING</b>			
IL-171	CLASS D PATCHES (HMA BINDER IL-19.0 MM: 14")	4.0% @ 70 GYR	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)			

**NOTES:**

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

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USER NAME = mohammad.hamwi	DESIGNED -	REVISED - MH 2/25/2026
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/6/2026	DATE -	REVISED -

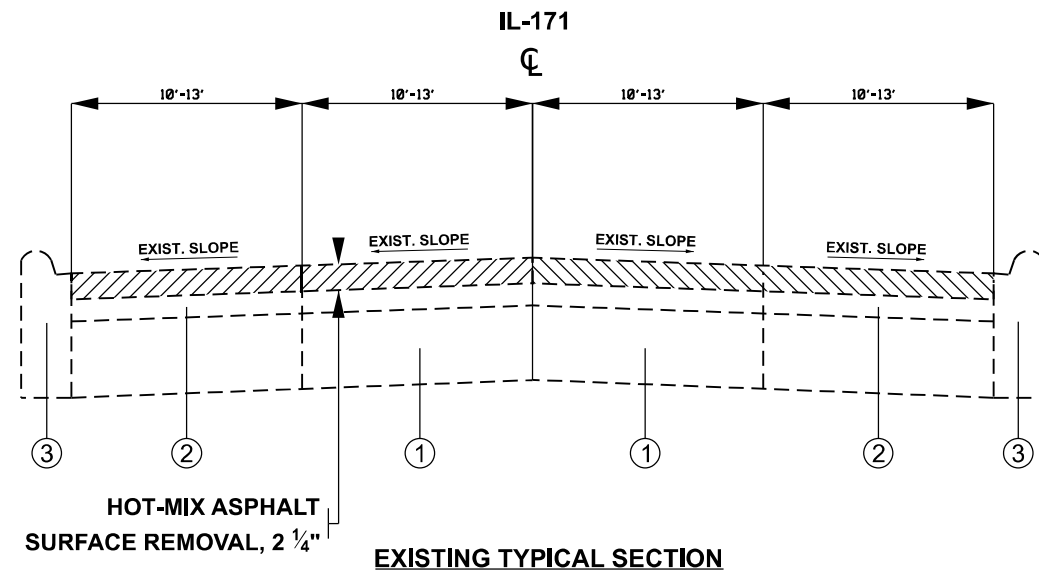
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTION</b>	
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 7
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

**LEGEND - EXISTING**

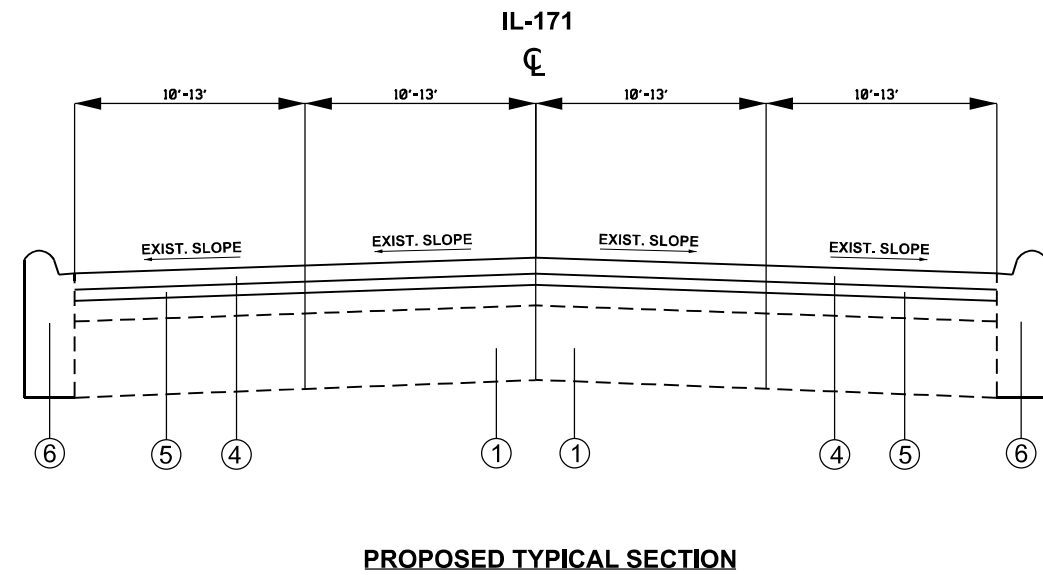
- ① PORTLAND CEMENT CONCRETE PAVEMENT ±9"
- ② HOT MIX ASPHALT PAVEMENT ±7"
- ③ EXISTING CURB AND GUTTER



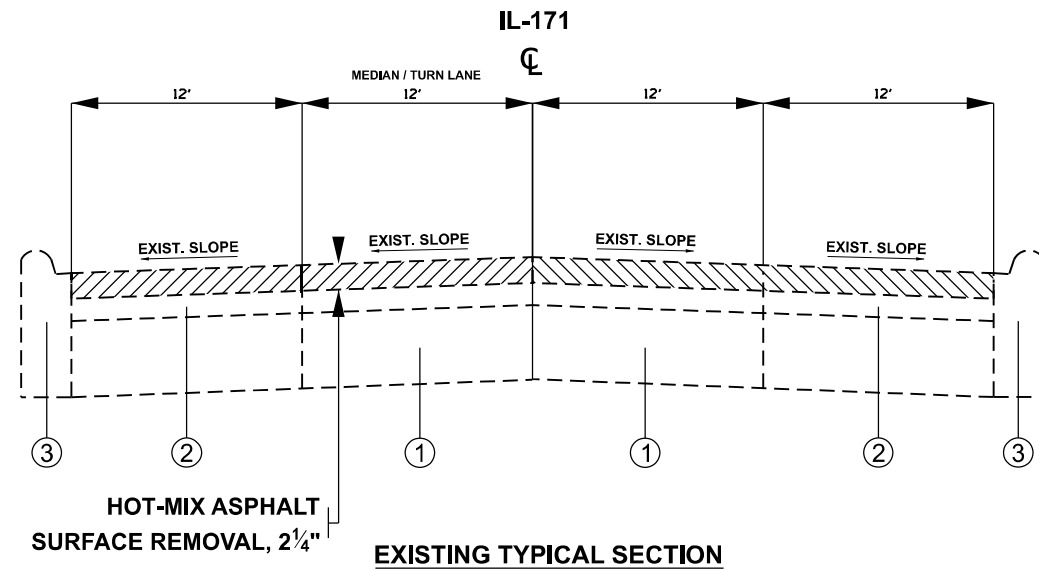
**STATION:**  
 17+54 TO 25+36  
 31+35 TO 53+20  
 122+00 TO 201+46

**LEGEND - PROPOSED**

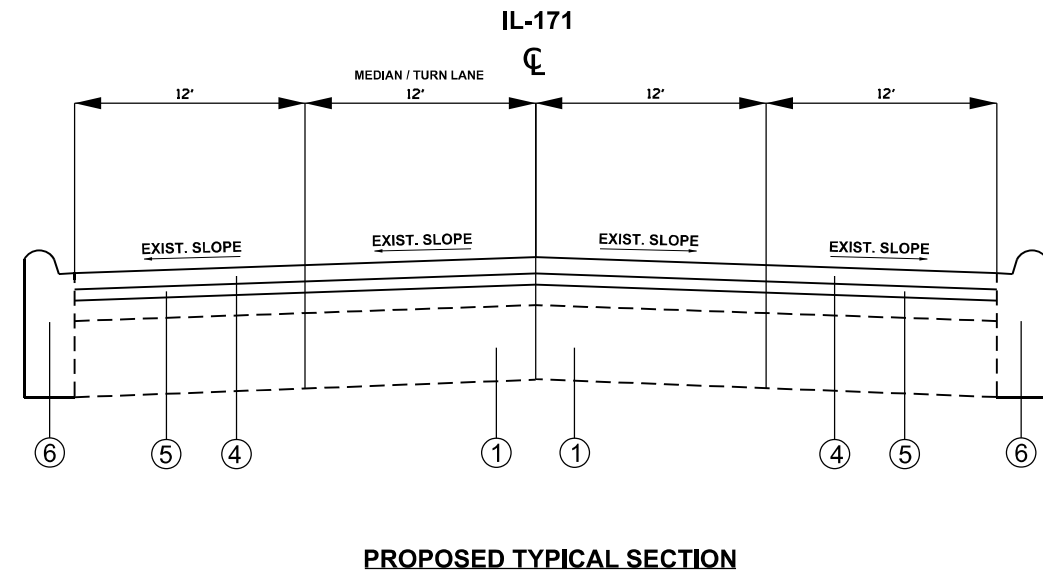
- ④ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"
- ⑤ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑥ COMBINATION CURB & GUTTER (REMOVAL & REPLACEMENT DETERMINED BY RE)



**STATION:**  
 17+54 TO 25+36  
 31+35 TO 53+20  
 122+00 TO 201+46



**STATION:**  
 103+00 TO 122+00



**STATION:**  
 103+00 TO 122+00

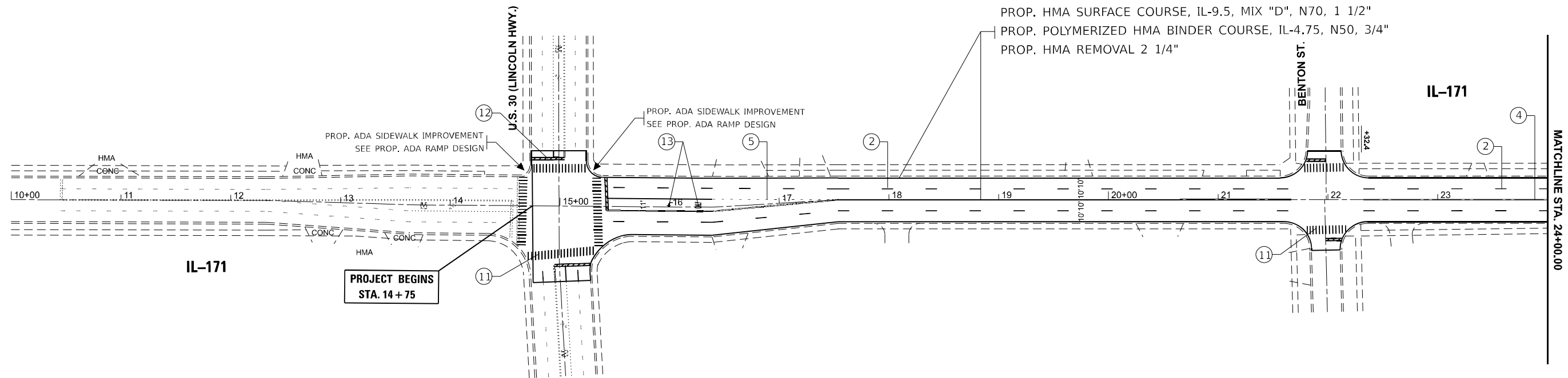
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	DRAWN -	REVISED -
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PLOT DATE = 2/25/2026	DATE -	REVISED -

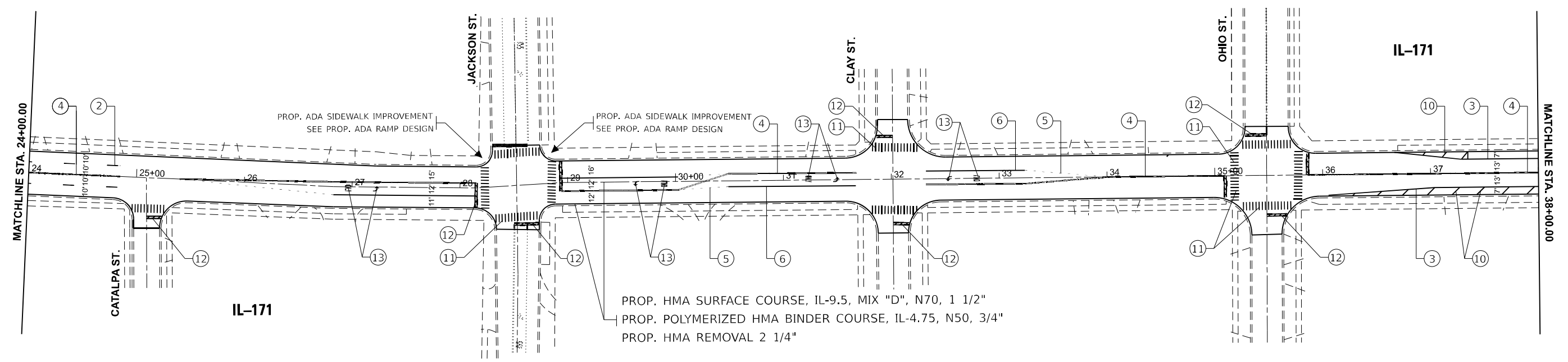
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTION</b>			
<b>IL-171 (COLLINS ST/STATE ST/US-6) FROM US-630 (LINCOLN HWY)(CASS ST) TO DIVISION ST</b>			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 8
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10" DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑬ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)	⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE YELLOW (TYP.)



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PLOT DATE = 1/29/2026	CHECKED -	REVISED -
	DATE -	REVISED -

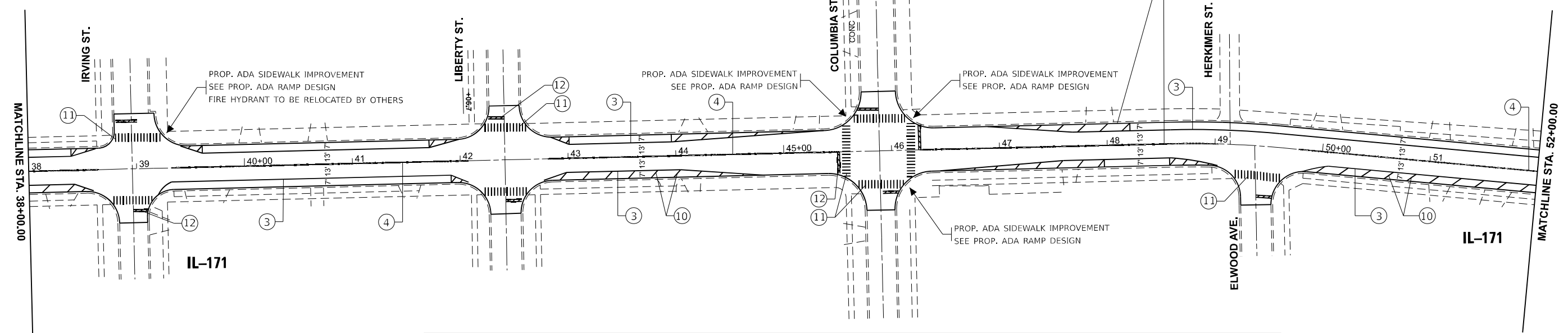
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

ROADWAY PLANS	
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST	
SCALE: 1"=50'	SHEET OF 8 SHEETS
STA. 10+00.00	TO STA. 38+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	9
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

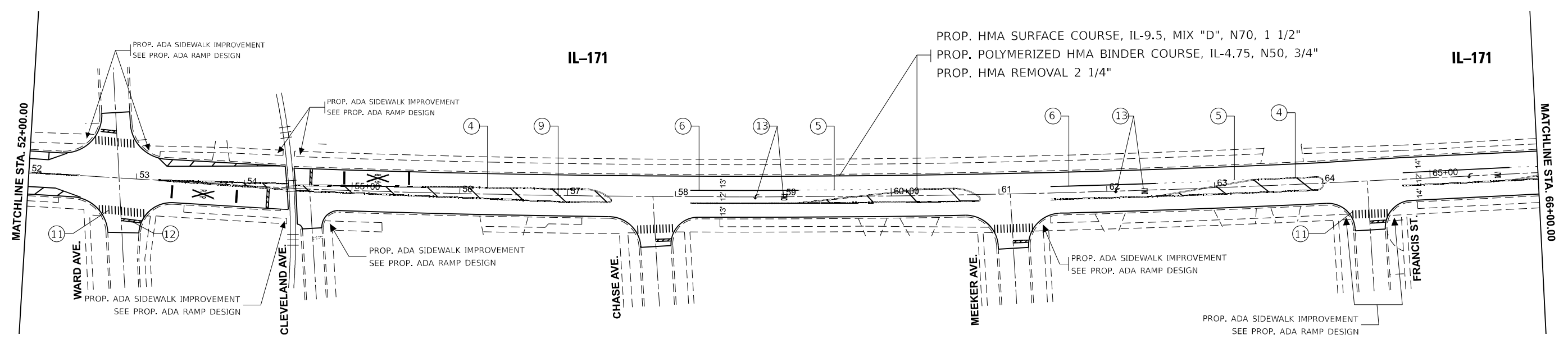
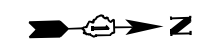


PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"  
 PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"  
 PROP. HMA REMOVAL 2 1/4"



**PAVEMENT MARKING LEGEND**

- |  |   |   |
|--|---|---|
| ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)                | ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.) | ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)         | ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)                         | ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)                                |
| ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)                 | ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)      | ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)                   |
| ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)         | ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)                          |
|  | ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)    | ⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE YELLOW (TYP.)                      |



PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"  
 PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"  
 PROP. HMA REMOVAL 2 1/4"

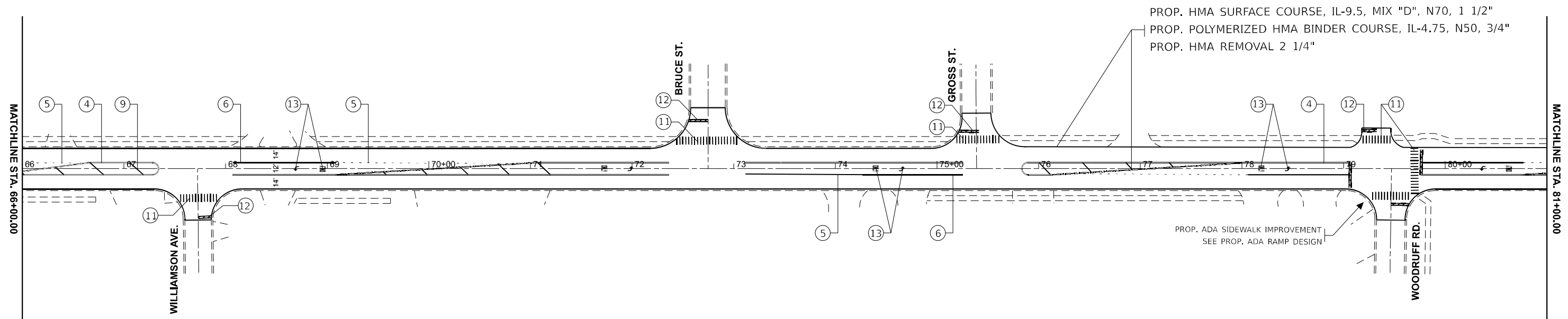
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PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED -
PLOT DATE = 1/29/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

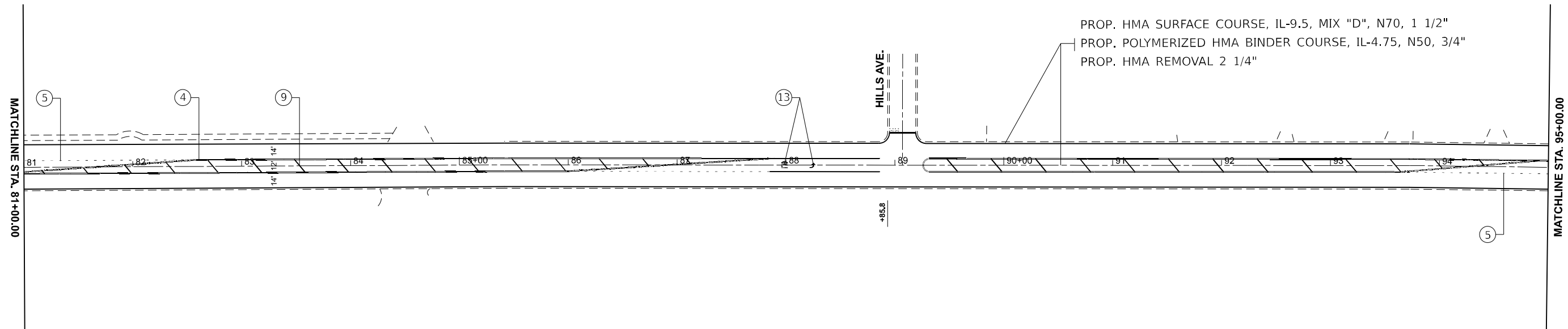
<b>ROADWAY PLANS</b>			
<b>IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST</b>			
SCALE: 1"=50'	SHEET	OF 8 SHEETS	STA. 38+00.00 TO STA. 66+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	10
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- |   |  |  |
|---|--|--|
| ① PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SOLID EDGE LINE YELLOW (TYP.)                | ⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.) | ⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.) |
| ② PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SKIP DASH, 10' DASH-30' WHITE (TYP.)         | ⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>6" SOLID, WHITE TURN LANE (TYP.)                         | ⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" LINE WHITE (TYP.)                                |
| ③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SOLID EDGE LINE WHITE (TYP.)                 | ⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)      | ⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>24" SOLID STOP LINES, WHITE (TYP.)                   |
| ④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)         | ⑬ PROP. THERMOPLASTIC PAVEMENT MARKING,<br>LETTERS AND SYMBOLS WHITE (TYP.)                          |
|   | ⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)    | ⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE,<br>4" SKIP DASH LINE YELLOW (TYP.)                      |



MODEL: IL-171\_E-Rev04Plan 5  
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	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 1/29/2026	DATE -	REVISED -

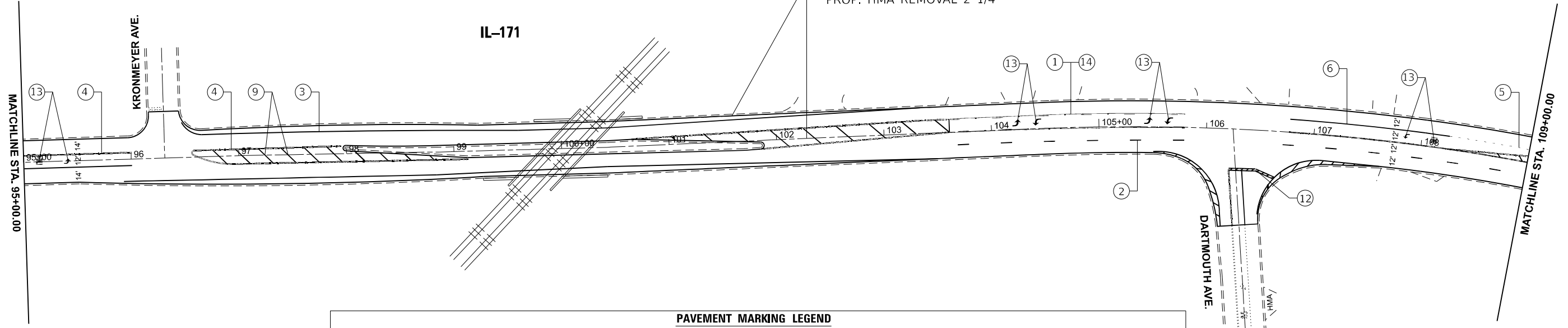
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLANS**  
 IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST  
 SCALE: 1"=50' SHEET OF 8 SHEETS STA. 66+00.00 TO STA. 95+00.00

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 11
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"  
 PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"  
 PROP. HMA REMOVAL 2 1/4"

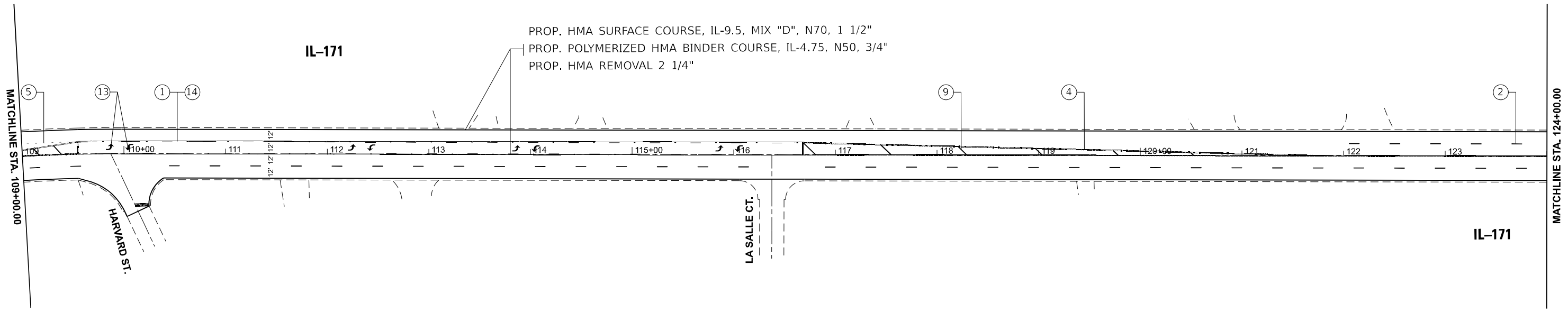


**PAVEMENT MARKING LEGEND**

① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑬ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)	⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE YELLOW (TYP.)



PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"  
 PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"  
 PROP. HMA REMOVAL 2 1/4"



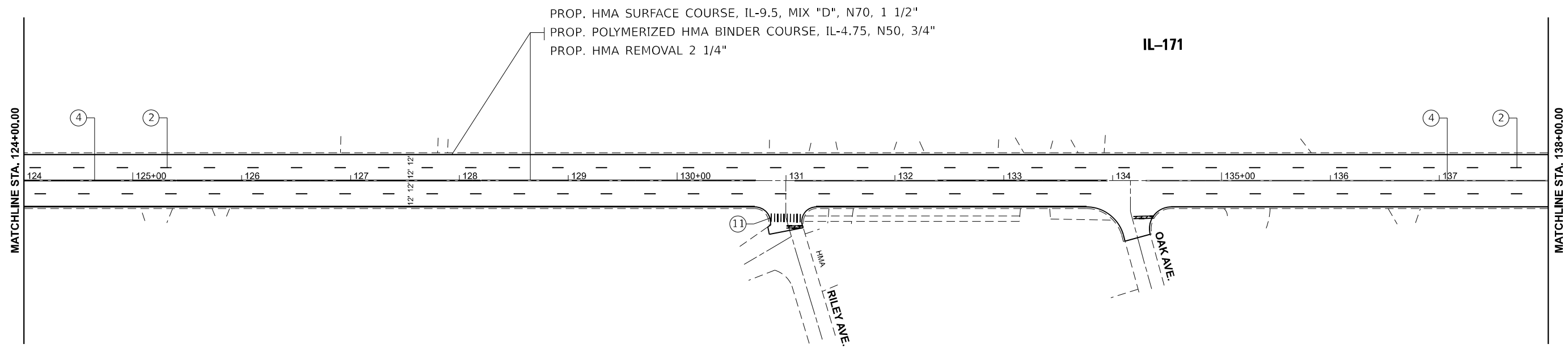
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PLOT DATE = 1/29/2026	CHECKED -	REVISED -
	DATE -	REVISED -

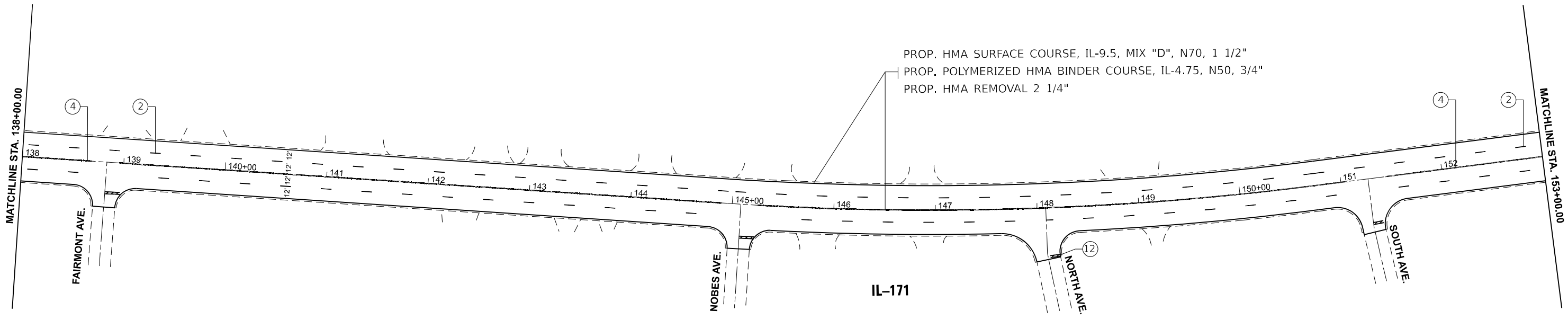
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLANS</b>			
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST			
SCALE: 1"=50'	SHEET OF 8 SHEETS	STA. 95+00.00	TO STA. 124+00.00

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 12
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10" DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑬ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)	⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE YELLOW (TYP.)



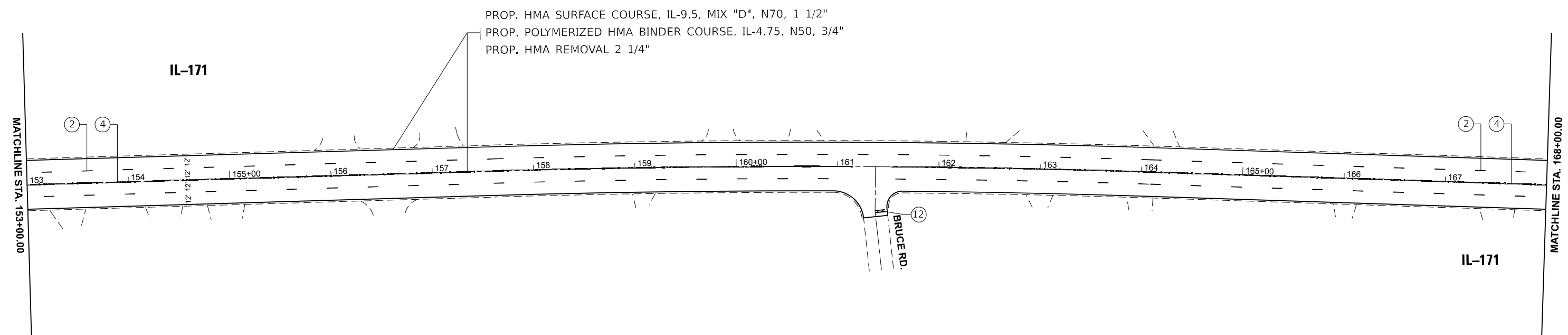
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 0.166666833' / in.	DRAWN -	REVISED -
PLOT DATE = 1/29/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

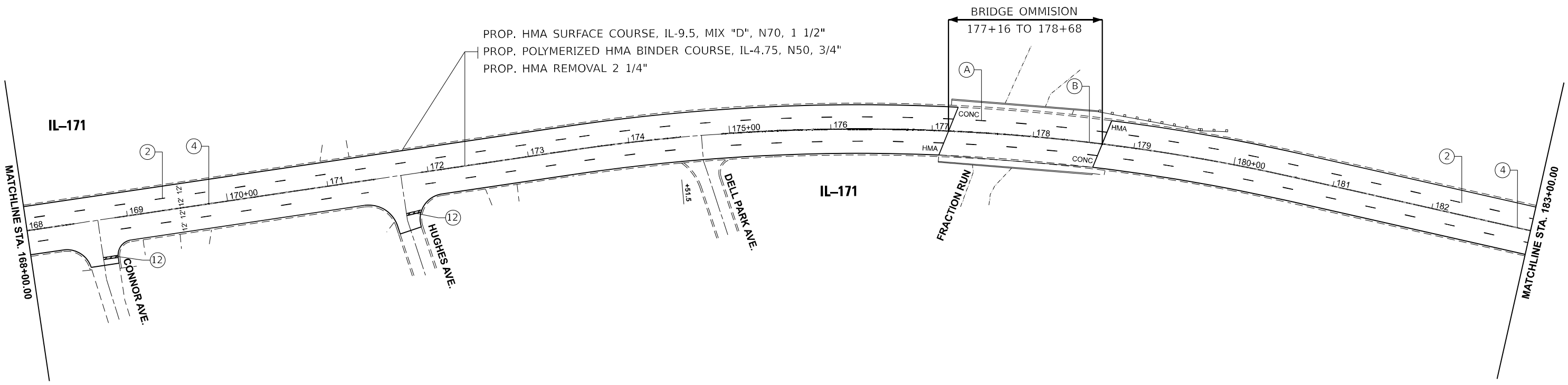
<b>ROADWAY PLANS</b>			
<b>IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST</b>			
SCALE: 1"=50'	SHEET OF 8 SHEETS	STA. 124+00.00 TO STA. 153+00.00	

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 13
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"  
 PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"  
 PROP. HMA REMOVAL 2 1/4"

PAVEMENT MARKING LEGEND			MODIFIED URETHANE PAVEMENT MARKING LEGEND
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)	Ⓐ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)	
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)	Ⓑ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑬ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)	
	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)	⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE YELLOW (TYP.)	



PROP. HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1 1/2"  
 PROP. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"  
 PROP. HMA REMOVAL 2 1/4"

BRIDGE OMMISION  
 177+16 TO 178+68

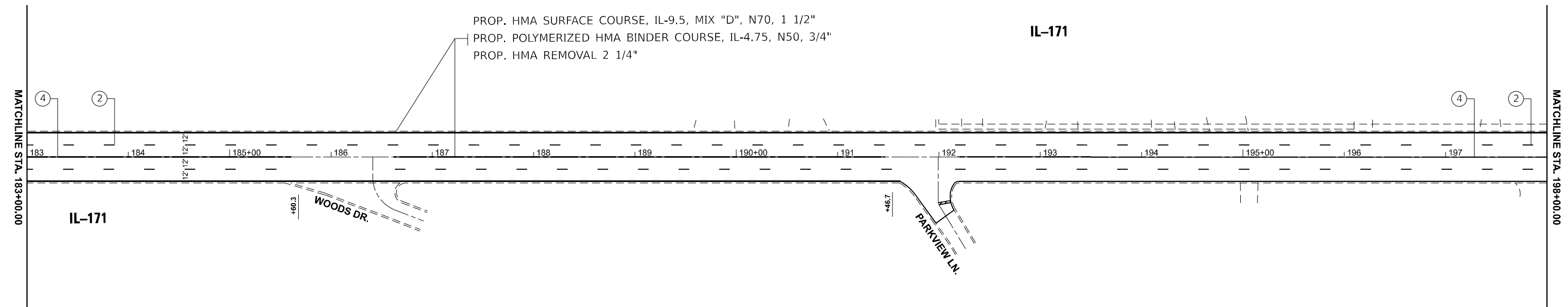
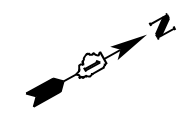
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 1/29/2026	DATE -	REVISED -

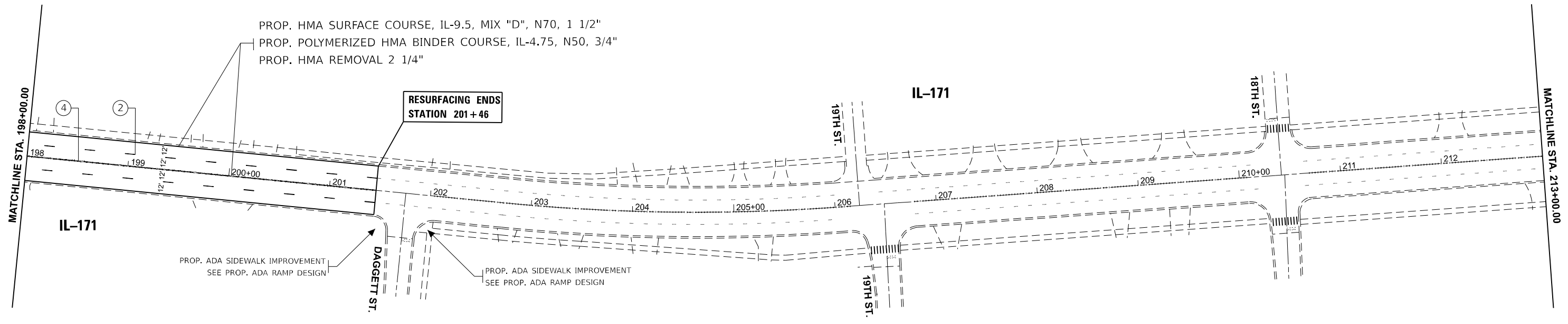
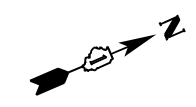
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS			
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST			
SCALE: 1"=50'	SHEET OF 8 SHEETS	STA. 153+00.00 TO STA. 183+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	14
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		
① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)	⑬ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)	⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE YELLOW (TYP.)



NOTE: FINAL PAVEMENT MILLING, RESURFACING, PAVEMENT MARKINGS AND OTHER INCIDENTAL WORK WILL BE DONE BY THE CITY OF LOCKPORT BETWEEN STA. 201+46 AND STA. 220+44 AFTER COMPLETION OF THE CITY'S WATERMAIN IMPROVEMENT.

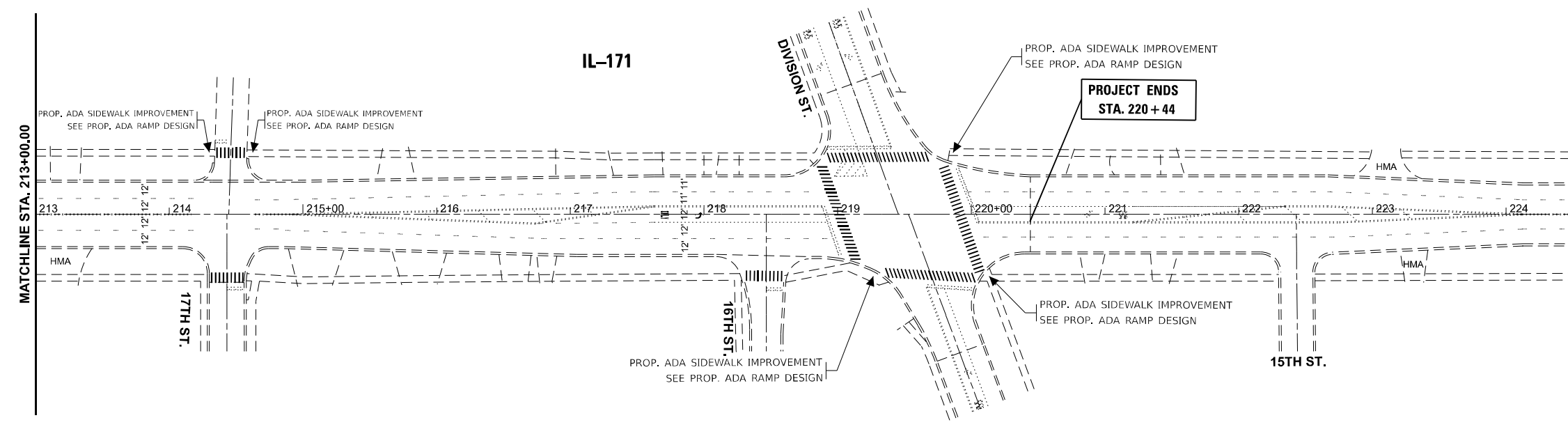
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
PLOT SCALE = 0.166666833' / in.	DRAWN -	REVISED -
PLOT DATE = 1/29/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLANS</b>			
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST			
SCALE: 1"=50'	SHEET	OF 8 SHEETS	STA. 183+00.00 TO STA. 213+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	15
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)</li> <li>② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)</li> <li>③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)</li> <li>④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP &amp; 2' DASH (TYP.)</li> <li>⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)</li> <li>⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)</li> <li>⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10' OR LESS LINE WHITE (TYP.)</li> <li>⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)</li> </ul> | <ul style="list-style-type: none"> <li>⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)</li> <li>⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)</li> <li>⑫ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)</li> <li>⑬ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)</li> <li>⑭ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH LINE YELLOW (TYP.)</li> </ul> |
|---|---|--|

**NOTE: FINAL PAVEMENT MILLING, RESURFACING, PAVEMENT MARKINGS AND OTHER INCIDENTAL WORK WILL BE DONE BY THE CITY OF LOCKPORT BETWEEN STA. 201+46 AND STA. 220+44 AFTER COMPLETION OF THE CITY'S WATERMAIN IMPROVEMENT.**

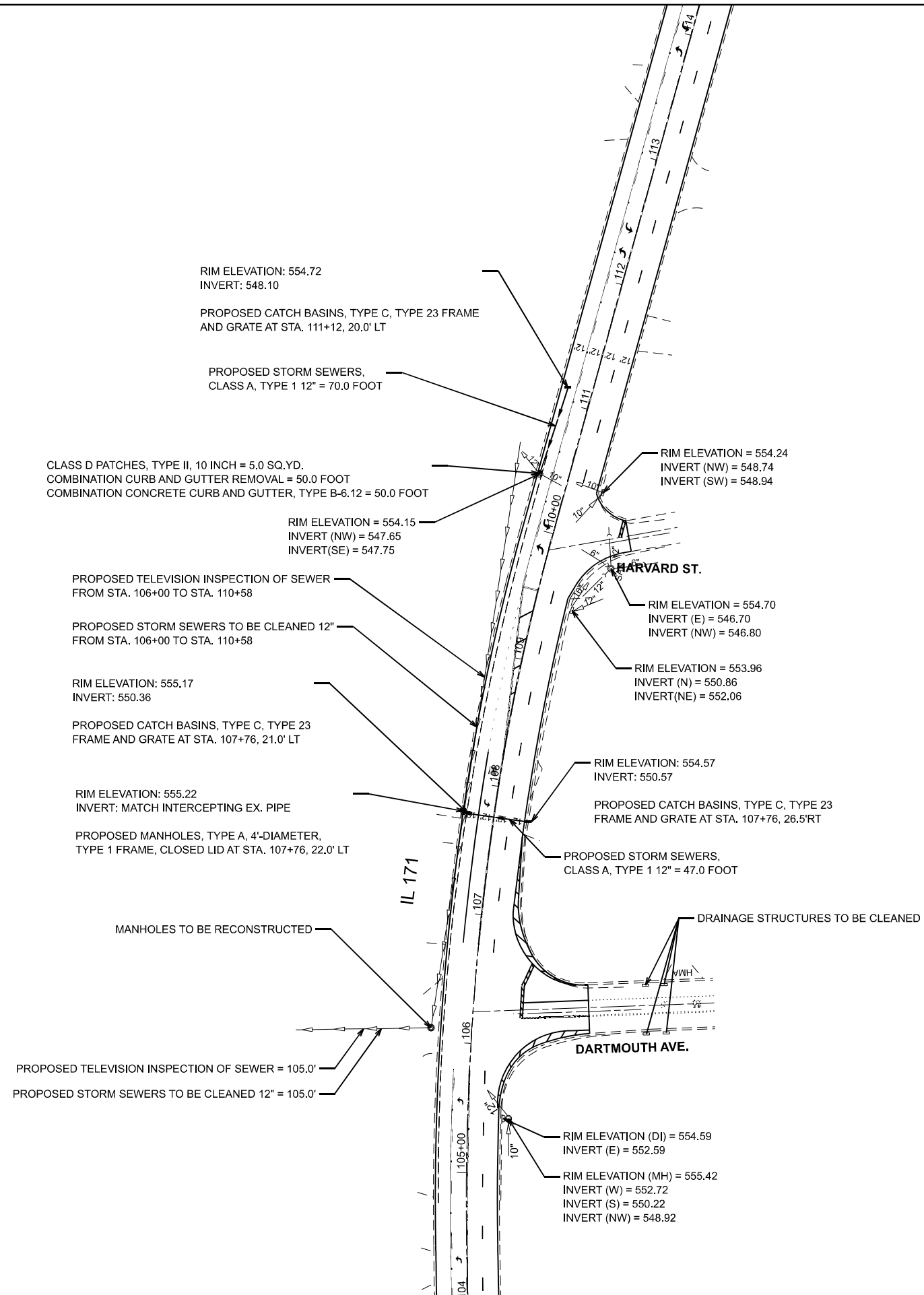
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USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLANS			
IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY)(CASS ST) TO DIVISION ST			
SCALE: 1"=50'	SHEET OF 8 SHEETS	STA. 213+00.00 TO STA. 228+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	16
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



NOTE: ALL FINAL INVERTS SHALL BE APPROVED BY THE RESIDENT ENGINEER

MODEL: Drainage (Sheet)  
FILE NAME: c:\p\work\wis\toham\m\0919616\ID104924-sh-schedule.dgn

USER NAME = mohammad.hamwi	DESIGNED -	REVISED - MH 3/4/2026
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/4/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRAINAGE IMPROVEMENT PLAN</b>			
<b>IL-171 (COLLINS ST/STATE ST/US-6) FROM US-6/30 (LINCOLN HWY) (CASS ST) TO DIVISION ST</b>			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 17
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

POINT:	EX. ELEVATION	PR. ELEVATION
A	(543.67)	(543.67)
B	(544.60)	(544.60)
C	(544.86)	(544.86)
D	(543.83)	(545.83)
E	(544.73)	544.53
F	(544.90)	544.62
G	(544.90)	544.68
H	(544.10)	544.35
I	(544.22)	544.36
J	(544.82)	544.51
K	(544.66)	544.61
L	(545.04)	544.62
M	(544.89)	544.54
N	(544.67)	544.56
O	(545.07)	544.74
P	(545.26)	544.66
Q	(544.29)	(544.26)
R	(545.00)	(545.00)
S	(544.55)	(544.55)

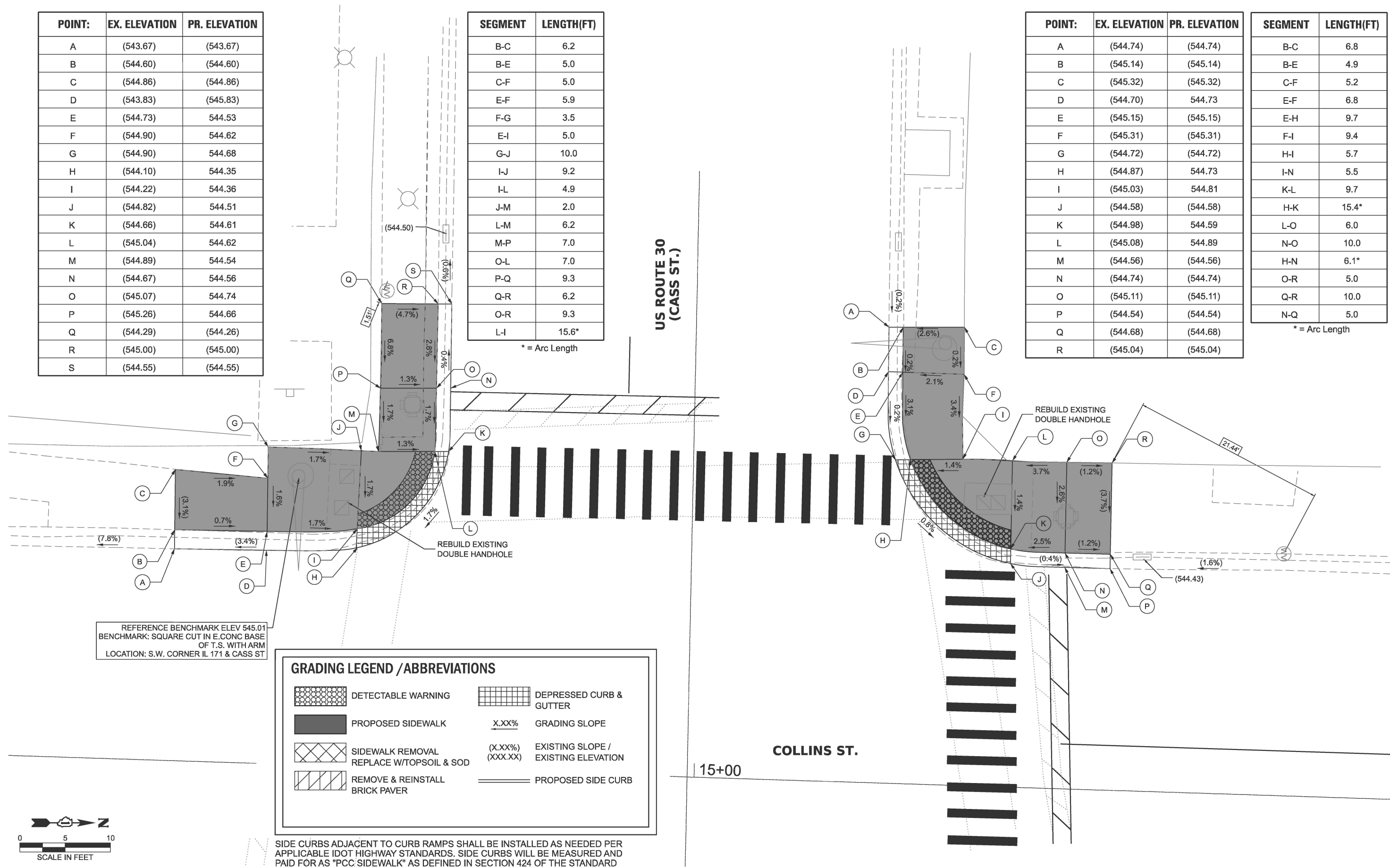
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B-C	6.2
B-E	5.0
C-F	5.0
E-F	5.9
E-I	5.0
G-J	10.0
I-J	9.2
I-L	4.9
J-M	2.0
L-M	6.2
M-P	7.0
O-L	7.0
P-Q	9.3
Q-R	6.2
O-R	9.3
L-I	15.6*

\* = Arc Length

POINT:	EX. ELEVATION	PR. ELEVATION
A	(544.74)	(544.74)
B	(545.14)	(545.14)
C	(545.32)	(545.32)
D	(544.70)	544.73
E	(545.15)	(545.15)
F	(545.31)	(545.31)
G	(544.72)	(544.72)
H	(544.87)	544.73
I	(545.03)	544.81
J	(544.58)	(544.58)
K	(544.98)	544.59
L	(545.08)	544.89
M	(544.56)	(544.56)
N	(544.74)	(544.74)
O	(545.11)	(545.11)
P	(544.54)	(544.54)
Q	(544.68)	(544.68)
R	(545.04)	(545.04)

SEGMENT	LENGTH(FT)
B-C	6.8
B-E	4.9
C-F	5.2
E-F	6.8
E-H	9.7
F-I	9.4
H-I	5.7
I-N	5.5
K-L	9.7
H-K	15.4*
L-O	6.0
N-O	10.0
H-N	6.1*
O-R	5.0
Q-R	10.0
N-Q	5.0

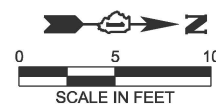
\* = Arc Length



REFERENCE BENCHMARK ELEV 545.01  
 BENCHMARK: SQUARE CUT IN E.CONC BASE  
 OF T.S. WITH ARM  
 LOCATION: S.W. CORNER IL 171 & CASS ST

GRADING LEGEND / ABBREVIATIONS			
	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER		PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.



MODEL: Sheet View  
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USER NAME =	DESIGNED - AS	REVISED - MH 03/17/2026
	DRAWN - AS	REVISED -
	CHECKED - VW	REVISED -
PLOT DATE = 3/18/2026	DATE - 3/18/2026	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ADA CORNER RAMP DETAILS  
 CASS ST AND COLLINS ST

SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

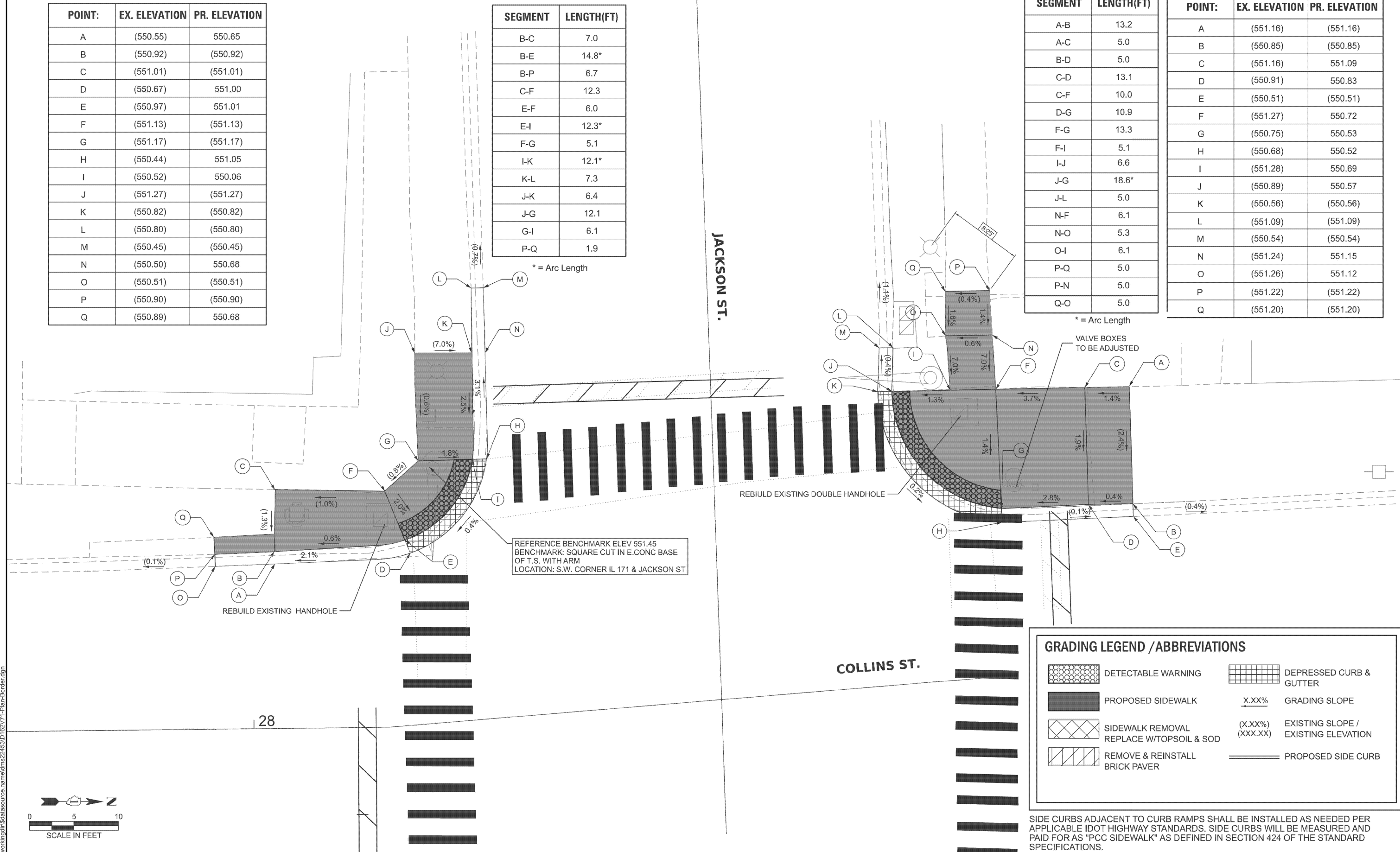
F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 18
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

POINT:	EX. ELEVATION	PR. ELEVATION
A	(550.55)	550.65
B	(550.92)	(550.92)
C	(551.01)	(551.01)
D	(550.67)	551.00
E	(550.97)	551.01
F	(551.13)	(551.13)
G	(551.17)	(551.17)
H	(550.44)	551.05
I	(550.52)	550.06
J	(551.27)	(551.27)
K	(550.82)	(550.82)
L	(550.80)	(550.80)
M	(550.45)	(550.45)
N	(550.50)	550.68
O	(550.51)	(550.51)
P	(550.90)	(550.90)
Q	(550.89)	550.68

SEGMENT	LENGTH(FT)
B-C	7.0
B-E	14.8*
B-P	6.7
C-F	12.3
E-F	6.0
E-I	12.3*
F-G	5.1
I-K	12.1*
K-L	7.3
J-K	6.4
J-G	12.1
G-I	6.1
P-Q	1.9

SEGMENT	LENGTH(FT)
A-B	13.2
A-C	5.0
B-D	5.0
C-D	13.1
C-F	10.0
D-G	10.9
F-G	13.3
F-I	5.1
I-J	6.6
J-G	18.6*
J-L	5.0
N-F	6.1
N-O	5.3
O-I	6.1
P-Q	5.0
P-N	5.0
Q-O	5.0

POINT:	EX. ELEVATION	PR. ELEVATION
A	(551.16)	(551.16)
B	(550.85)	(550.85)
C	(551.16)	551.09
D	(550.91)	550.83
E	(550.51)	(550.51)
F	(551.27)	550.72
G	(550.75)	550.53
H	(550.68)	550.52
I	(551.28)	550.69
J	(550.89)	550.57
K	(550.56)	(550.56)
L	(551.09)	(551.09)
M	(550.54)	(550.54)
N	(551.24)	551.15
O	(551.26)	551.12
P	(551.22)	(551.22)
Q	(551.20)	(551.20)



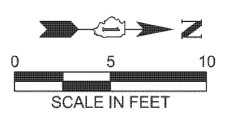
REFERENCE BENCHMARK ELEV 551.45  
 BENCHMARK: SQUARE CUT IN E.CONC BASE  
 OF T.S. WITH ARM  
 LOCATION: S.W. CORNER IL 171 & JACKSON ST

**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	<u>X.XX%</u>	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER		PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

MODEL: Sheet View  
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USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - MH 03/17/2026
DRAWN - AS	REVISIONS -	
PLOT SCALE = 0.16666633' / in.	CHECKED - VW	REVISIONS -
PLOT DATE = 3/18/2026	DATE - 3/18/2026	REVISIONS -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ADA CORNER RAMP DETAILS  
 JACKSON ST AND COLLINS ST**

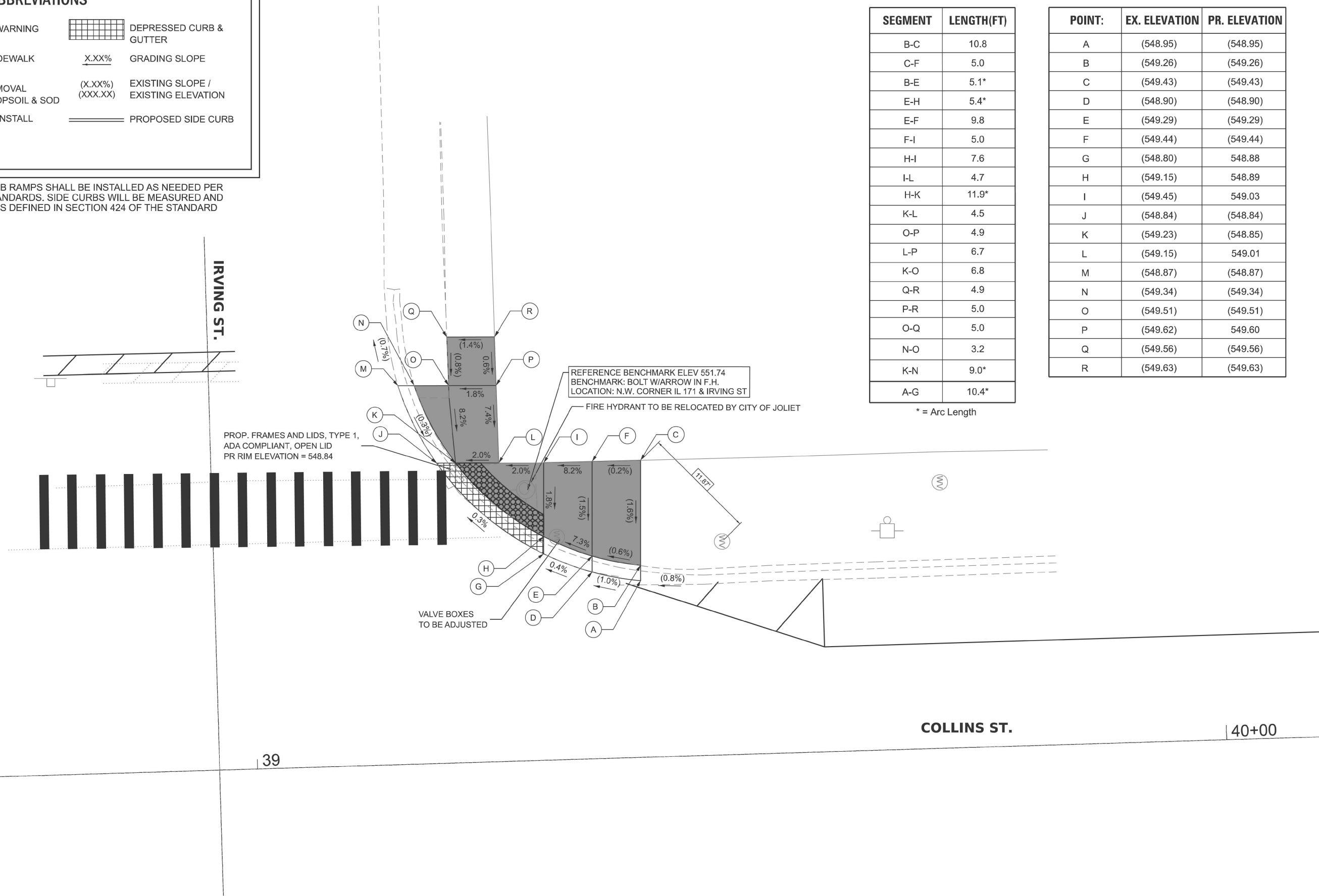
SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	19
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER		PROPOSED SIDE CURB

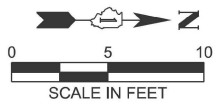
SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.



SEGMENT	LENGTH(FT)
B-C	10.8
C-F	5.0
B-E	5.1*
E-H	5.4*
E-F	9.8
F-I	5.0
H-I	7.6
I-L	4.7
H-K	11.9*
K-L	4.5
O-P	4.9
L-P	6.7
K-O	6.8
Q-R	4.9
P-R	5.0
O-Q	5.0
N-O	3.2
K-N	9.0*
A-G	10.4*

\* = Arc Length

POINT:	EX. ELEVATION	PR. ELEVATION
A	(548.95)	(548.95)
B	(549.26)	(549.26)
C	(549.43)	(549.43)
D	(548.90)	(548.90)
E	(549.29)	(549.29)
F	(549.44)	(549.44)
G	(548.80)	548.88
H	(549.15)	548.89
I	(549.45)	549.03
J	(548.84)	(548.84)
K	(549.23)	(548.85)
L	(549.15)	549.01
M	(548.87)	(548.87)
N	(549.34)	(549.34)
O	(549.51)	(549.51)
P	(549.62)	549.60
Q	(549.56)	(549.56)
R	(549.63)	(549.63)



MODEL: Sheet View  
FILE NAME: c:\work\indir\source\name\ma22453\ID\62V71-Plan-Border.dgn



USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - AS 03/17/2026
PLOT SCALE = \$SCALE\$	DRAWN - AS	REVISED -
PLOT DATE = 3/19/2026	CHECKED - VW	REVISED -
	DATE - 3/18/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CORNER RAMP DETAILS  
IRVING ST AND COLLINS ST**

SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	20
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

POINT:	EX. ELEVATION	PR. ELEVATION
A	(549.11)	(549.11)
B	(549.21)	(549.21)
C	(549.09)	549.17
D	(549.24)	549.18
E	(548.81)	549.03
F	(549.13)	549.04
G	(549.11)	549.08
H	(549.27)	549.15
I	(548.95)	549.18
J	(548.94)	549.19
K	(549.28)	549.19
L	(549.02)	(549.02)
M	(549.41)	(549.41)
N	(549.53)	(549.53)
O	(549.63)	549.57
P	(549.48)	(549.48)
Q	(549.64)	(549.64)
R	(549.12)	(549.12)
S	(548.68)	(548.68)

SEGMENT	LENGTH(FT)
A-B	4.9
A-C	5.0
B-D	5.0
C-D	4.9
C-F	6.1
D-H	6.0
F-R	14.0*
G-H	5.0
F-J	11.4*
H-K	2.6
J-K	6.5
K-O	6.6
M-N	5.1
N-O	4.3
J-M	7.4*
O-Q	5.0
P-Q	4.4
N-P	5.0

\* = Arc Length

SEGMENT	LENGTH(FT)
A-B	10.7
A-D	5.0
B-E	5.0*
D-E	10.1
D-F	5.0
E-G	5.1*
F-G	8.7
F-H	5.1
G-I	9.1*
H-K	6.1
H-I	5.5
I-L	8.8*
K-L	5.1
P-L	11.0*
N-O	5.0
O-P	5.1
C-J	20.2*

\* = Arc Length

POINT:	EX. ELEVATION	PR. ELEVATION
A	(549.54)	(549.54)
B	(549.35)	(549.35)
C	(548.93)	(548.93)
D	(549.46)	(549.46)
E	(549.33)	(549.33)
F	(549.38)	(549.38)
G	(549.29)	(549.29)
H	(549.32)	548.97
I	(548.96)	548.89
J	(548.80)	548.88
K	(549.26)	548.85
L	(548.96)	548.75
M	(548.70)	548.74
N	(549.21)	(549.21)
O	(549.10)	(549.10)
P	(548.75)	(548.75)
Q	(548.57)	(548.57)
S	(548.75)	548.90
T	(548.57)	548.92

REFERENCE BENCHMARK ELEV 549.66  
BENCHMARK: SQUARE CUT IN E.CONC BASE  
OF T.S. WITH ARM  
LOCATION: S.W. CORNER OF IL 171 & COLUMBIA

REBUILD EXISTING  
HANDHOLE

COORDINATE WITH  
GAS UTILITY FOR  
ADJUSTMENTS IF NECESSARY

FRAMES AND GRATES  
TO BE ADJUSTED  
PR RIM ELEVATION = 548.72

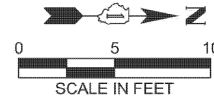
REBUILD EXISTING HANDHOLE

PROP. FRAMES AND LIDS,  
TYPE 1, ADA COMPLIANT, OPEN LID  
PR RIM ELEVATION = 549.06

**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER	—————	PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.



MODEL: Sheet View  
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USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - AS 03/17/2026
PLOT SCALE = 0.16666633' / in.	DRAWN - AS	REVISED -
PLOT DATE = 3/19/2026	CHECKED - VW	REVISED -
	DATE - 3/18/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CORNER RAMP DETAILS  
COLUMBIA ST AND COLLINS ST

SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	21
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

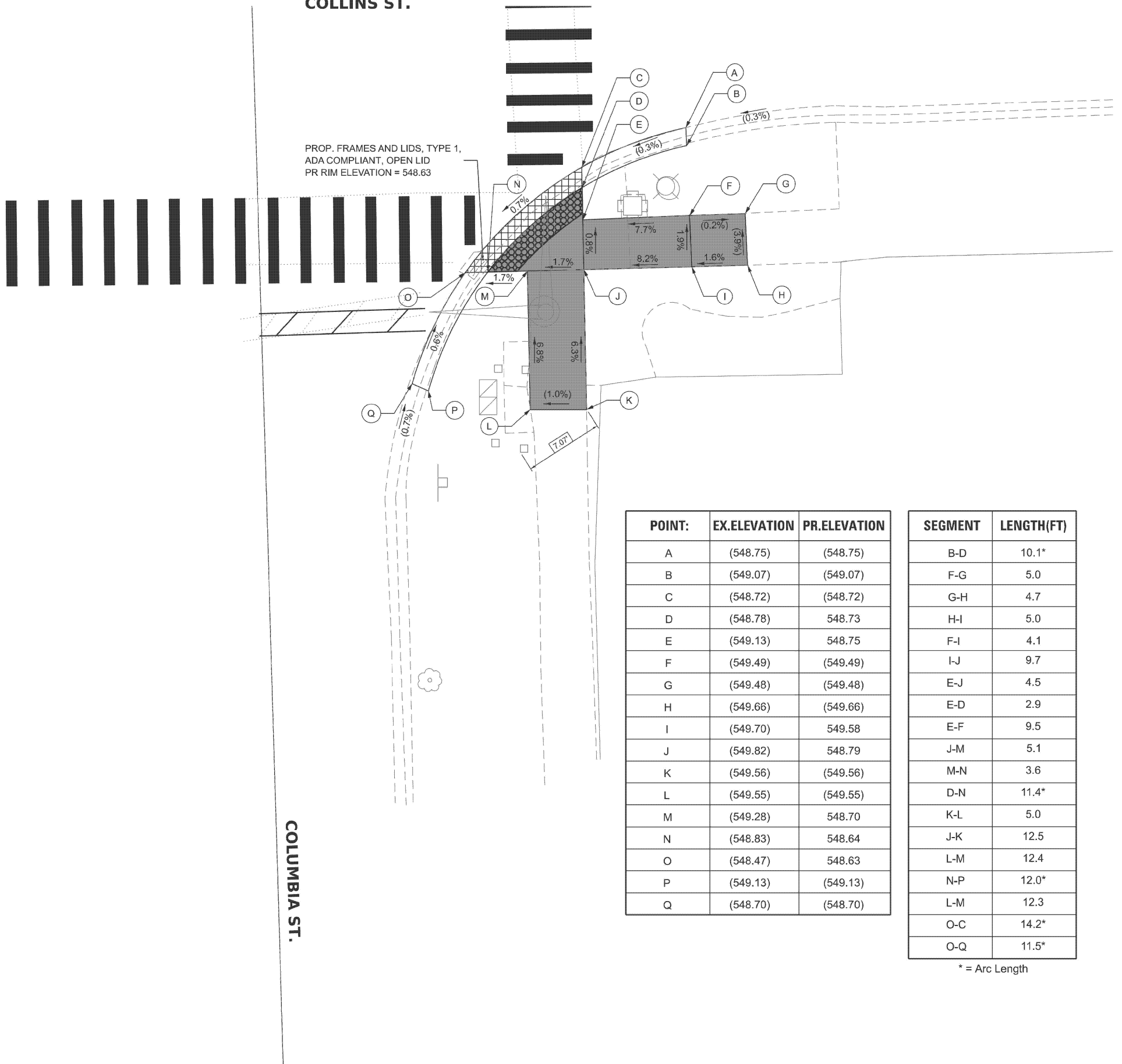
**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER		PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

**COLLINS ST.**

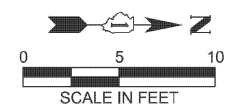
**COLUMBIA ST.**



POINT:	EX.ELEVATION	PR.ELEVATION
A	(548.75)	(548.75)
B	(549.07)	(549.07)
C	(548.72)	(548.72)
D	(548.78)	548.73
E	(549.13)	548.75
F	(549.49)	(549.49)
G	(549.48)	(549.48)
H	(549.66)	(549.66)
I	(549.70)	549.58
J	(549.82)	548.79
K	(549.56)	(549.56)
L	(549.55)	(549.55)
M	(549.28)	548.70
N	(548.83)	548.64
O	(548.47)	548.63
P	(549.13)	(549.13)
Q	(548.70)	(548.70)

SEGMENT	LENGTH(FT)
B-D	10.1*
F-G	5.0
G-H	4.7
H-I	5.0
F-I	4.1
I-J	9.7
E-J	4.5
E-D	2.9
E-F	9.5
J-M	5.1
M-N	3.6
D-N	11.4*
K-L	5.0
J-K	12.5
L-M	12.4
N-P	12.0*
L-M	12.3
O-C	14.2*
O-Q	11.5*

\* = Arc Length



NOTE:  
 REFERENCE BENCHMARK ELEV 549.66  
 BENCHMARK: SQUARE CUT IN E. CONC BASE OF T.S. WITH ARM  
 LOCATION: S.W. CORNER OF IL 171 & COLUMBIA STREET

MODEL: Sheet View  
FILE NAME: c:\work\proj\source\name\ma2453\162\171-Plan-Border.dgn



USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - AS 03/17/2026
PLOT SCALE = 0.16666633' / in.	DRAWN - AS	REVISED -
PLOT DATE = 3/19/2026	CHECKED - VW	REVISED -
	DATE - 3/18/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CORNER RAMP DETAILS  
COLUMBIA ST AND COLLINS ST**

SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 22
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

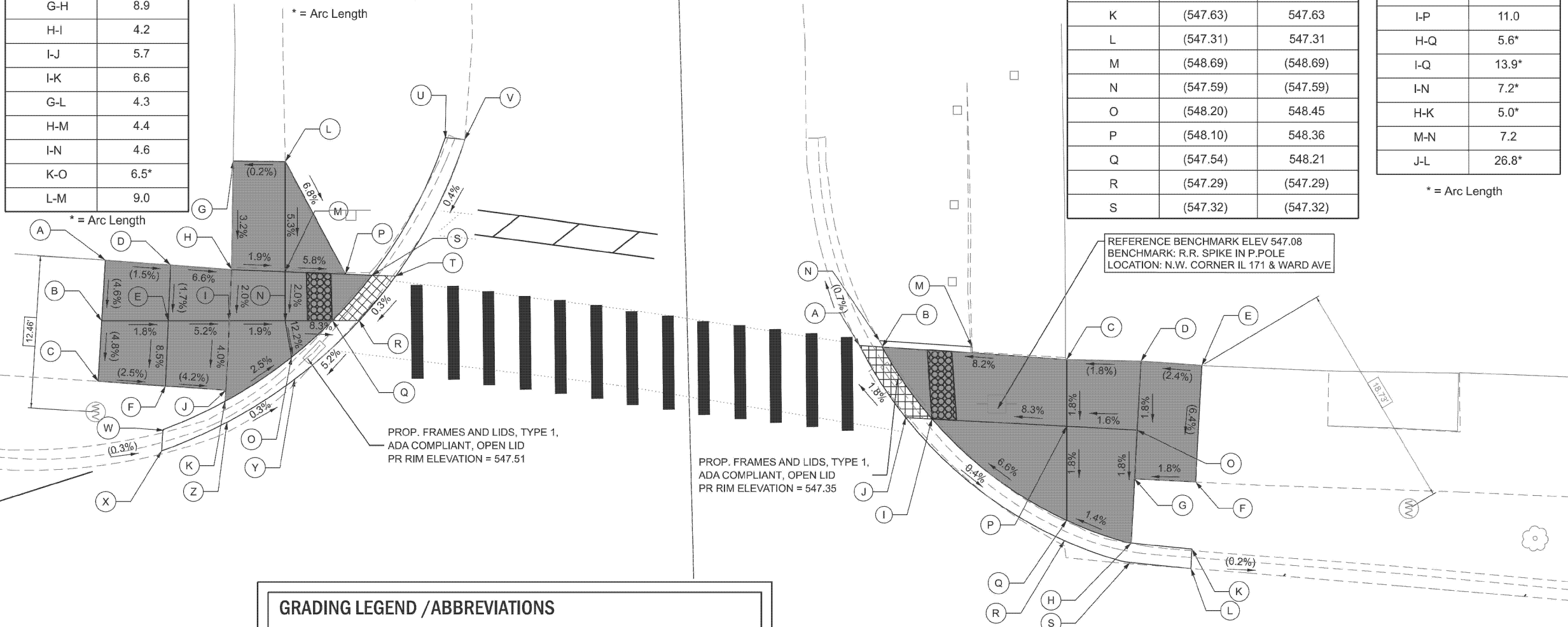
POINT:	EX.ELEVATION	PR.ELEVATION
A	(548.66)	(548.66)
B	(548.43)	(548.53)
C	(548.19)	(548.19)
D	(548.58)	(548.58)
E	(548.33)	548.50
F	(548.05)	548.05
G	(548.53)	(548.53)
H	(548.50)	548.15
I	(548.23)	548.07
J	(547.84)	(547.84)
K	(547.73)	(547.73)
L	(548.54)	(548.54)
M	(548.20)	548.07
N	(547.94)	547.98
O	(547.48)	547.60
P	(547.94)	547.83
Q	(547.60)	547.65
R	(547.47)	547.64
S	(547.68)	547.66
T	(547.60)	547.65
U	(547.77)	(547.77)
V	(547.70)	(547.70)
W	(547.94)	(547.94)
X	(547.54)	(547.54)
Y	(547.33)	547.51
Z	(547.45)	547.52

SEGMENT	LENGTH(FT)
A-B	5.0
B-C	5.0
A-D	5.4
B-E	5.5
C-F	5.5
D-E	4.6
E-F	5.4
D-H	5.0
E-I	5.0
F-J	5.0
G-H	8.9
H-I	4.2
I-J	5.7
I-K	6.6
G-L	4.3
H-M	4.4
I-N	4.6
K-O	6.5*
L-M	9.0

SEGMENT	LENGTH(FT)
M-N	4.0
N-O	3.0
M-P	5.0
N-Q	4.0
O-Q	4.5*
L-P	10.5
M-S	7.2
Q-S	4.7*
K-W	5.6*
T-V	12.8*

POINT:	EX.ELEVATION	PR.ELEVATION
A	(547.21)	547.30
B	(547.54)	547.31
C	(548.45)	(548.45)
D	(548.56)	(548.56)
E	(548.68)	(548.68)
F	(548.07)	(548.07)
G	(547.95)	547.98
H	(547.54)	548.29
I	(547.43)	547.44
J	(547.18)	547.43
K	(547.63)	547.63
L	(547.31)	547.31
M	(548.69)	(548.69)
N	(547.59)	(547.59)
O	(548.20)	548.45
P	(548.10)	548.36
Q	(547.54)	548.21
R	(547.29)	(547.29)
S	(547.32)	(547.32)

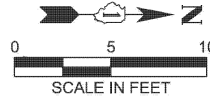
SEGMENT	LENGTH(FT)
B-C	15.0
C-D	6.0
D-E	5.0
E-F	9.5
F-G	5.0
D-O	5.6
O-H	4.0
O-G	4.0
C-P	5.5
P-Q	7.7
I-P	11.0
H-Q	5.6*
I-Q	13.9*
I-N	7.2*
H-K	5.0*
M-N	7.2
J-L	26.8*



**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER	(XXX.XX)	EXISTING ELEVATION
		=====	PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.



MODEL: Sheet View  
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USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - AS 03/17/2026
	DRAWN - AS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - VW	REVISED -
PLOT DATE = 3/19/2026	DATE - 3/18/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CORNER RAMP DETAILS  
WARD AVE AND COLLINS ST

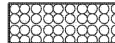



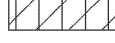
SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	23
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

POINT:	EX.ELEVATION	PR.ELEVATION
A	(547.69)	(547.69)
B	(547.71)	(547.71)
C	(547.56)	(547.56)
D	(547.57)	(547.57)
E	(547.53)	(547.53)
F	(547.47)	(547.47)

SEGMENT	LENGTH(FT)
A-B	4.4
B-D	7.9
A-C	8.1
C-D	4.9
C-E	6.4
D-F	7.3
E-F	4.9

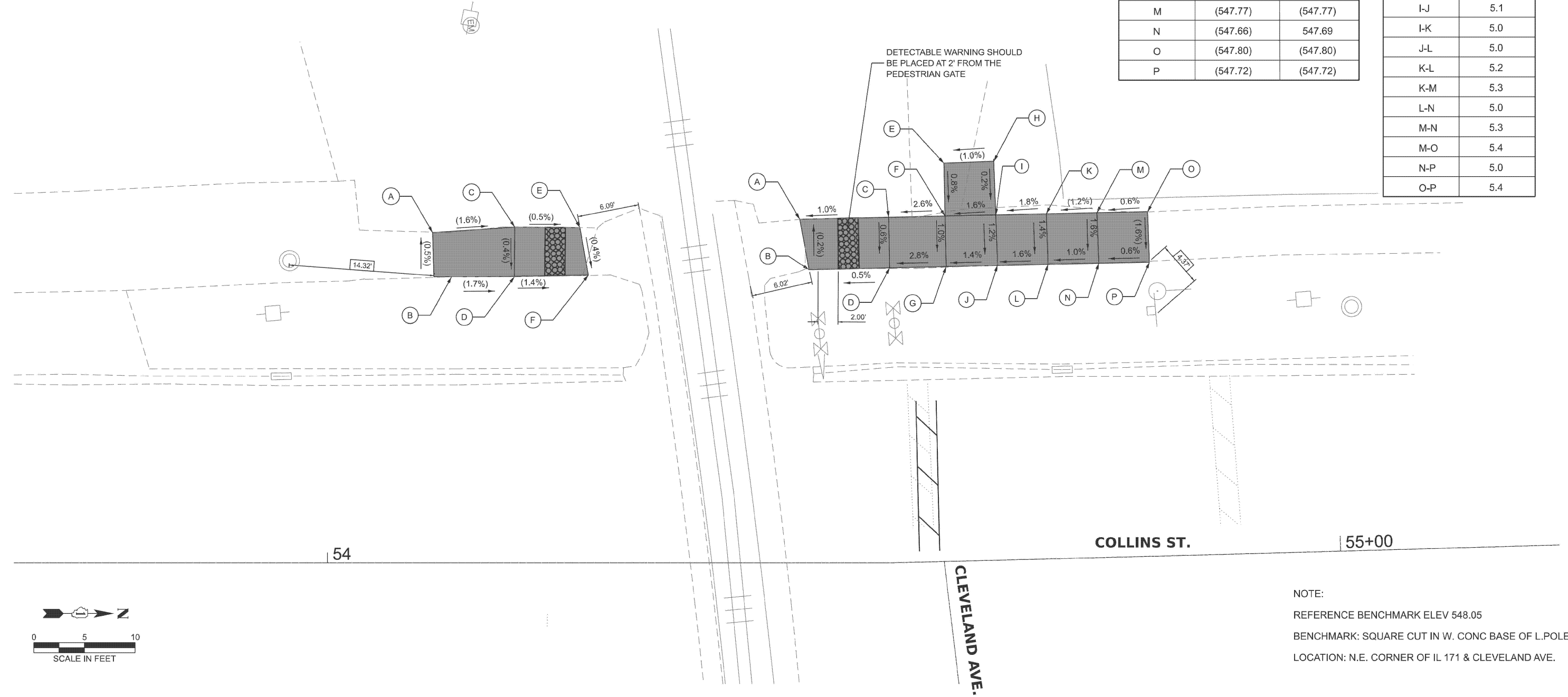
### GRADING LEGEND / ABBREVIATIONS

 DETECTABLE WARNING	 DEPRESSED CURB & GUTTER
 PROPOSED SIDEWALK	X.XX% GRADING SLOPE
 SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) EXISTING SLOPE / (XXX.XX) EXISTING ELEVATION
 REMOVE & REINSTALL BRICK PAVER	PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

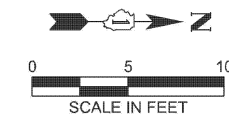
POINT:	EX.ELEVATION	PR.ELEVATION
A	(547.34)	(547.34)
B	(547.36)	(547.36)
C	(547.30)	547.41
D	(547.32)	547.38
E	(547.58)	(547.58)
F	(547.44)	547.54
G	(547.37)	547.49
H	(547.63)	(547.63)
I	(547.58)	547.62
J	(547.50)	547.56
K	(547.71)	(547.71)
L	(547.61)	547.64
M	(547.77)	(547.77)
N	(547.66)	547.69
O	(547.80)	(547.80)
P	(547.72)	(547.72)

SEGMENT	LENGTH(FT)
A-B	4.9
A-C	8.8
B-D	7.9
C-D	5.0
C-F	5.6
D-G	5.6
E-F	5.1
F-G	5.1
E-H	5.0
F-I	5.0
G-J	4.8
H-I	5.4
I-J	5.1
I-K	5.0
J-L	5.0
K-L	5.2
K-M	5.3
L-N	5.0
M-N	5.3
M-O	5.4
N-P	5.0
O-P	5.4



NOTE:  
 REFERENCE BENCHMARK ELEV 548.05  
 BENCHMARK: SQUARE CUT IN W. CONC BASE OF L. POLE  
 LOCATION: N.E. CORNER OF IL 171 & CLEVELAND AVE.

MODEL: Sheet View  
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USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - AS 03/17/2026
PLOT SCALE = 0.16666633' / in.	DRAWN - AS	REVISED -
PLOT DATE = 3/19/2026	CHECKED - CW	REVISED -
	DATE - 3/18/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CORNER RAMP DETAILS  
CLEVELAND AVE AND COLLINS ST**

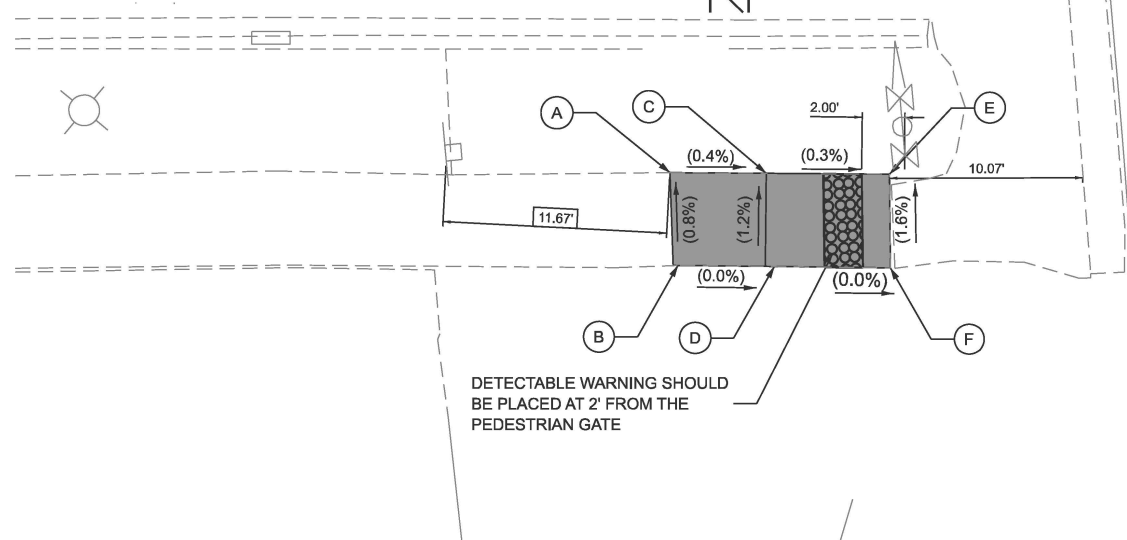
SCALE: 1"=5'      SHEET OF 15 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	24
CONTRACT NO. 62V71				
ILLINOIS   FED. AID PROJECT				

**GRADING LEGEND / ABBREVIATIONS**

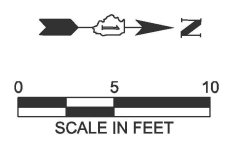
	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%)	EXISTING SLOPE / (XXX.XX) EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER		PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.



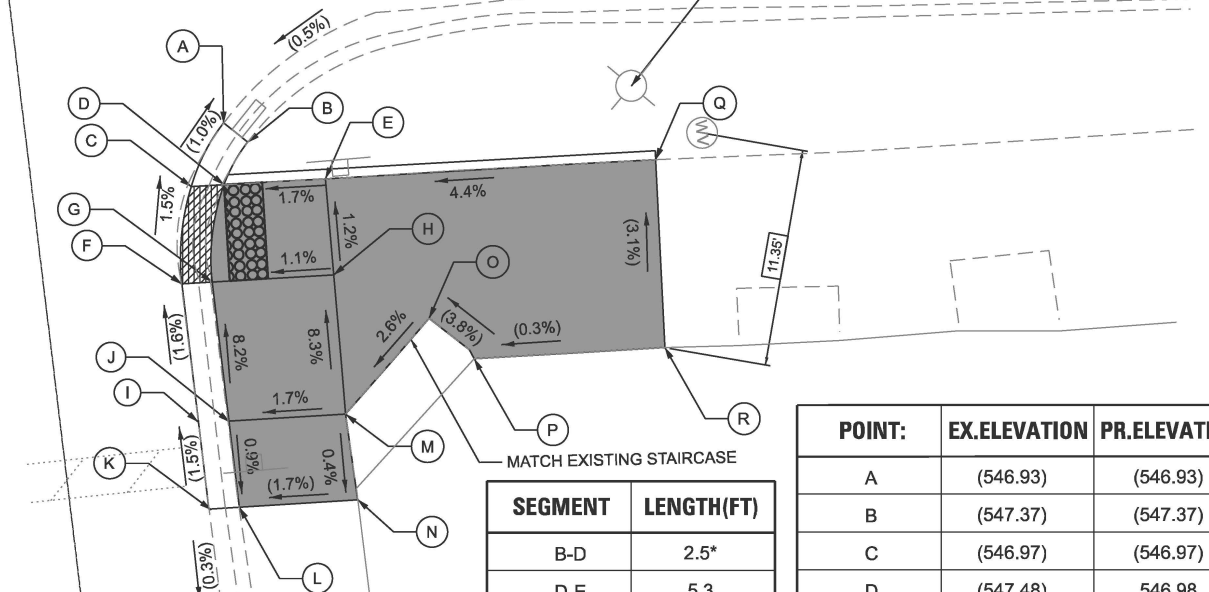
POINT:	EX.ELEVATION	PR.ELEVATION
A	(547.52)	(547.52)
B	(547.56)	(547.56)
C	(547.50)	(547.50)
D	(547.56)	(547.56)
E	(547.48)	(547.48)
F	(547.56)	(547.56)

SEGMENT	LENGTH(FT)
A-B	4.9
B-D	5.0
A-C	5.0
C-E	6.4
C-D	4.9
D-F	6.1
E-F	4.9



COLLINS ST. | 55+00

CLEVELAND AVE.



REFERENCE BENCHMARK ELEV 548.05  
BENCHMARK: SQUARE CUT IN W. CORNER BASE OF L. POLE  
LOCATION: N.E. CORNER OF IL 171 & CLEVELAND AVE.

SEGMENT	LENGTH(FT)
B-D	2.5*
D-E	5.3
D-G	5.2*
E-H	5.0
G-H	6.3
H-M	7.3
J-M	6.1
G-J	7.3
M-N	4.5
L-N	6.2
J-L	4.5
M-O	6.6
O-P	3.2
P-R	9.9
Q-R	9.8
E-Q	17.2

POINT:	EX.ELEVATION	PR.ELEVATION
A	(546.93)	(546.93)
B	(547.37)	(547.37)
C	(546.97)	(546.97)
D	(547.48)	546.98
E	(547.67)	547.07
F	(547.03)	(547.03)
G	(547.32)	547.06
H	(547.67)	547.13
I	(547.15)	547.15
J	(547.58)	547.66
K	(547.22)	(547.22)
L	(547.62)	(547.62)
M	(547.80)	547.74
N	(547.72)	(547.72)
O	(547.97)	(547.97)
P	(548.09)	(548.09)
Q	(547.82)	(547.82)
R	(548.12)	(548.12)

\* = ARC LENGTH

MODEL: Sheet View  
FILE NAME: c:\working\df\scat\source\_name\cma22453\162\171-Plan-Border.dgn



USER NAME =	DESIGNED - AS	REVISED - AS 03/17/2026
	DRAWN - AS	REVISED -
	CHECKED - VW	REVISED -
PLOT DATE = 3/18/2026	DATE - 3/18/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CORNER RAMP DETAILS  
CLEVELAND AVE AND COLLINS ST

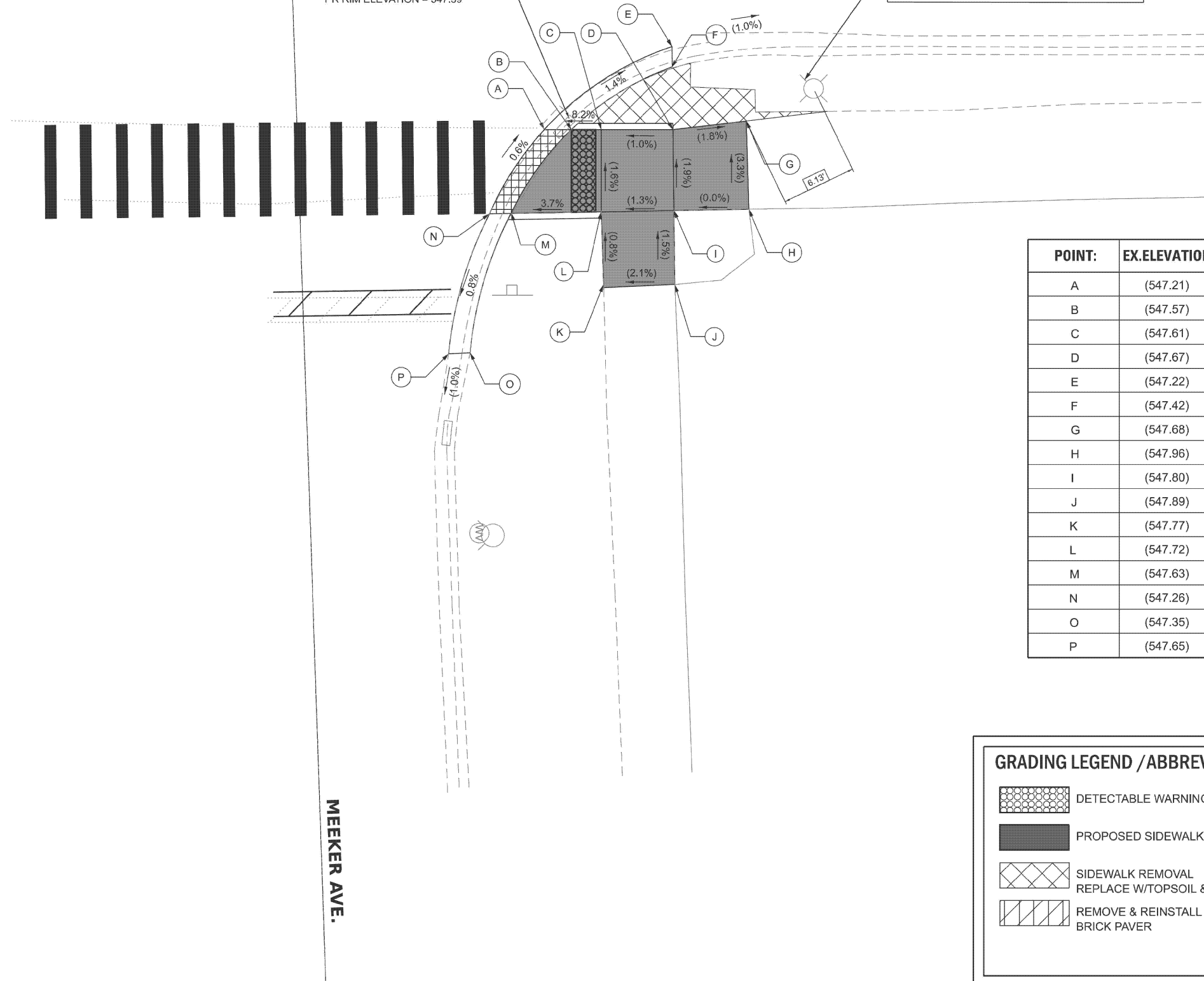
SCALE: 1"=5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 25
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

**COLLINS ST.**

PROP. FRAMES AND LIDS, TYPE 1,  
ADA COMPLIANT, OPEN LID  
PR RIM ELEVATION = 547.39

REFERENCE BENCHMARK ELEV 549.15  
BENCHMARK: N.W. BOLT OF F.H.  
LOCATION: N.E. CORNER OF IL 171 & MEEKER AVE



POINT:	EX.ELEVATION	PR.ELEVATION
A	(547.21)	547.40
B	(547.57)	547.41
C	(547.61)	(547.61)
D	(547.67)	(547.67)
E	(547.22)	(547.22)
F	(547.42)	(547.63)
G	(547.68)	(547.68)
H	(547.96)	(547.96)
I	(547.80)	(547.80)
J	(547.89)	(547.89)
K	(547.77)	(547.77)
L	(547.72)	(547.72)
M	(547.63)	547.46
N	(547.26)	547.45
O	(547.35)	(547.35)
P	(547.65)	(547.65)

SEGMENT	LENGTH(FT)
J-K	5.8
I-J	6.0
K-L	6.2
I-L	5.9
D-I	6.6
H-I	6.1
G-H	7.2
D-G	6.1
D-F	5.1
C-D	5.9
B-F	9.8*
B-C	2.4
C-L	6.7
L-M	7.3
M-O	12.0*
B-M	8.5*

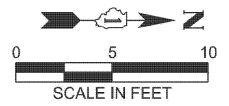
\* = Arc Length

**GRADING LEGEND / ABBREVIATIONS**

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD
- REMOVE & REINSTALL  
BRICK PAVER
- DEPRESSED CURB & GUTTER
- X.XX% GRADING SLOPE
- (X.XX%) EXISTING SLOPE /  
(XXX.XX) EXISTING ELEVATION
- PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

MODEL: Sheet View  
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USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - AS 03/17/2026
DRAWN - AS	CHECKED - VW	REVISED -
PLOT SCALE = 0.16666633' / in.	DATE - 3/18/2026	REVISED -
PLOT DATE = 3/19/2026		

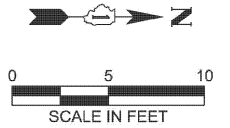
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CORNER RAMP DETAILS  
MEEKER AVE AND COLLINS ST**

SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	26
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

COLLINS ST.



REFERENCE BENCHMARK ELEV 549.28  
BENCHMARK: S.E. BOLT OF F.H.  
LOCATION: S.E. CORNER OF IL 171 & FRANCIS ST

PROP. FRAMES AND LIDS, TYPE 1,  
ADA COMPLIANT, OPEN LID  
PR RIM ELEVATION = 547.52

PROP. FRAMES AND LIDS, TYPE 1,  
ADA COMPLIANT, OPEN LID  
PR RIM ELEVATION = 547.57

DO NOT TIE INTO EXISTING SIDEWALK  
SINCE IT'S IN EXTREMELY POOR CONDITION

FRANCIS ST.

POINT:	EX.ELEVATION	PR.ELEVATION
A	(547.63)	(547.63)
B	(547.94)	(547.94)
C	(547.33)	547.51
D	(547.51)	547.52
E	(547.96)	547.75
F	(547.91)	547.83
G	(547.91)	(547.91)
H	(548.05)	(548.05)
I	(548.15)	547.91
J	(548.14)	547.85
K	(547.63)	547.53
L	(547.48)	547.52
M	(547.54)	(547.54)
N	(547.94)	(547.94)
O	(548.22)	548.38
P	(548.47)	(548.47)

SEGMENT	LENGTH(FT)
B-D	19.2*
D-E	2.8
E-F	5.3
G-F	4.7
G-H	5.0
H-I	4.7
I-F	5.0
I-J	5.3
E-J	5.0
J-K	6.8
D-K	6.4*
I-P	8.1
N-K	5.0*
O-P	6.3
J-O	8.3
A-C	28.0*
L-M	6.4*

\* = Arc Length

SEGMENT	LENGTH(FT)	POINT:	EX.ELAVTION	PR.ELEVATION
G-H	6.2	A	(547.88)	547.60
E-G	4.2	B	(547.53)	547.59
F-H	4.1	C	(547.55)	547.58
E-F	6.6	D	(547.80)	547.57
A-E	11.0	E	(548.13)	(548.13)
C-F	5.2	F	(547.96)	548.00
A-C	9.1*	G	(548.23)	(548.23)
C-I	10.3*	H	(548.03)	(548.03)
D-J	13.4*	I	(548.00)	(548.00)
A-K	4.5*	J	(547.70)	(547.70)
K-M	11.3*	K	(547.92)	(547.92)
B-D	8.6*	L	(547.60)	(547.60)
H-I	4.0	M	(547.68)	(547.68)
		N	(547.63)	(547.63)

\* = Arc Length

**GRADING LEGEND / ABBREVIATIONS**

- DETECTABLE WARNING
- PROPOSED SIDEWALK
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- REMOVE & REINSTALL BRICK PAVER
- DEPRESSED CURB & GUTTER
- X.XX% GRADING SLOPE
- (X.XX%) (XXX.XX) EXISTING SLOPE / EXISTING ELEVATION
- PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

MODEL: Sheet View  
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USER NAME	= mohammad.hamwi	DESIGNED	- AS	REVISED	- AS 03/17/2026
DRAWN	- AS	CHECKED	- VW	REVISED	-
PLOT SCALE	= 0.16666633' / in.	DATE	- 3/18/2026	REVISED	-
PLOT DATE	= 3/19/2026				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CORNER RAMP DETAILS  
FRANCIS AVE AND COLLINS ST

SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	27
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

COLLINS ST.

79

**GRADING LEGEND / ABBREVIATIONS**

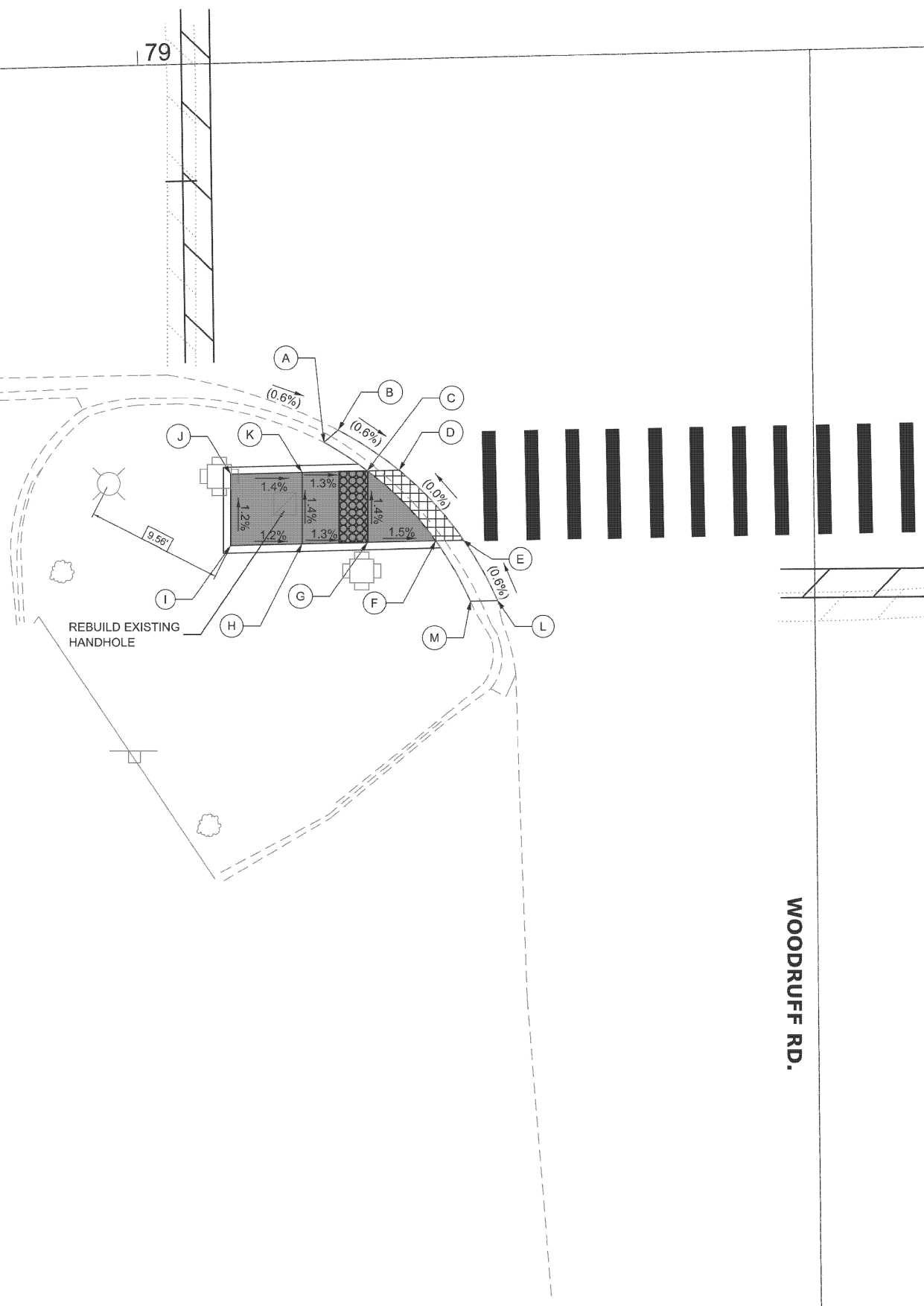
	DETECTABLE WARNING		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER		PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

POINT:	EX.ELEVATION	PR.ELEVATION
A	(553.71)	(553.71)
B	(553.30)	(553.30)
C	(553.75)	553.28
D	(553.27)	(553.27)
E	(553.27)	(553.27)
F	(553.78)	553.28
G	(553.86)	553.35
H	(553.86)	553.41
I	(554.07)	553.47
J	(553.79)	553.41
K	(553.76)	553.34
L	(553.30)	(553.30)
M	(553.81)	(553.81)

SEGMENT	LENGTH(FT)
I-J	5.0
H-I	5.0
J-K	5.0
H-K	5.0
G-H	4.6
C-H	5.0
C-K	4.6
C-F	6.8*
F-G	4.8
F-M	4.8*
A-C	3.7*

\* = Arc Length

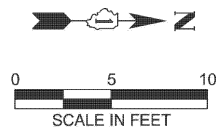


NOTE:

REFERENCE BENCHMARK ELEV 554.72

BENCHMARK: SQUARE CUT IN W.CONC BASE OF T.S. WITH ARM

LOCATION: N.E. CORNER OF IL 171 & WOODRUFF



MODEL: Sheet View  
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USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED - AS 03/17/2026
	DRAWN - AS	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED - VW	REVISED -
PLOT DATE = 3/19/2026	DATE - 3/18/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA CORNER RAMP DETAILS  
WOODRUFF AND COLLINS ST

SCALE: 1"=5'

SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	28
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING (SPECIAL)		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER	=====	PROPOSED SIDE CURB

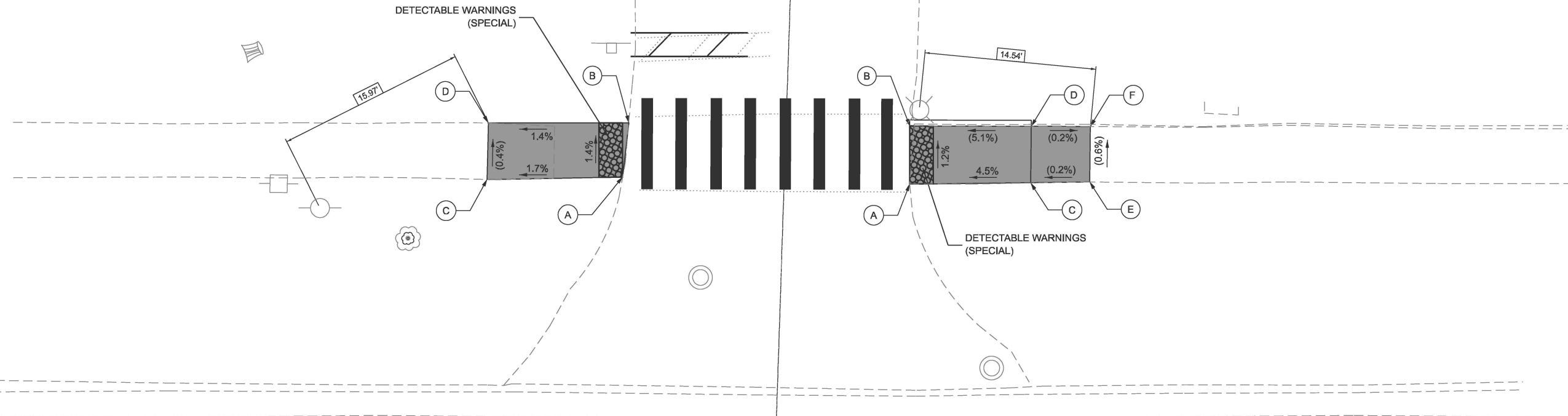
SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

POINT:	EX.ELEVATION	PR.ELEVATION
A	(597.53)	597.37
B	(597.31)	597.31
C	(597.15)	(597.15)
D	(597.14)	(597.14)

SEGMENT	LENGTH(FT)
A-B	4.3
A-C	11.5
B-D	11.9
C-D	4.8

POINT:	EX.ELEVATION	PR.ELEVATION
A	(597.74)	597.61
B	(597.55)	(597.55)
C	(598.07)	(598.07)
D	(598.06)	(598.06)
E	(598.08)	(598.08)
F	(598.05)	(598.05)

SEGMENT	LENGTH(FT)
A-B	4.9
A-C	10.3
B-D	9.9
C-D	4.8
C-E	5.0
D-F	5.0
E-F	4.7



**NOTE:**

REFERENCE BENCHMARK ELEV 603.12

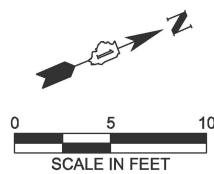
BENCHMARK: "X" IN N.W. BOLT OF F.H.

LOCATION: EAST SIDE OF IL 171 ± 35; S OF C IL 171

"CAST IRON DETECTABLE WARNINGS SHALL BE INSTALLED AT ALL LOCATIONS WITHIN THE CITY OF LOCKPORT".  
CAST IRON DETECTABLE WARNINGS TO BE PAID AS "DETECTABLE WARNINGS (SPECIAL)".

**STATE ST.**

MODEL: Sheet View  
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USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - AS	REVISED -
	CHECKED - VW	REVISED -
PLOT DATE = 3/18/2026	DATE - 3/18/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA CORNER RAMP DETAILS  
17TH ST AND STATE ST**

SCALE: 1"=5'      SHEET      OF      SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	30
CONTRACT NO. 62V71				
ILLINOIS   FED. AID PROJECT				

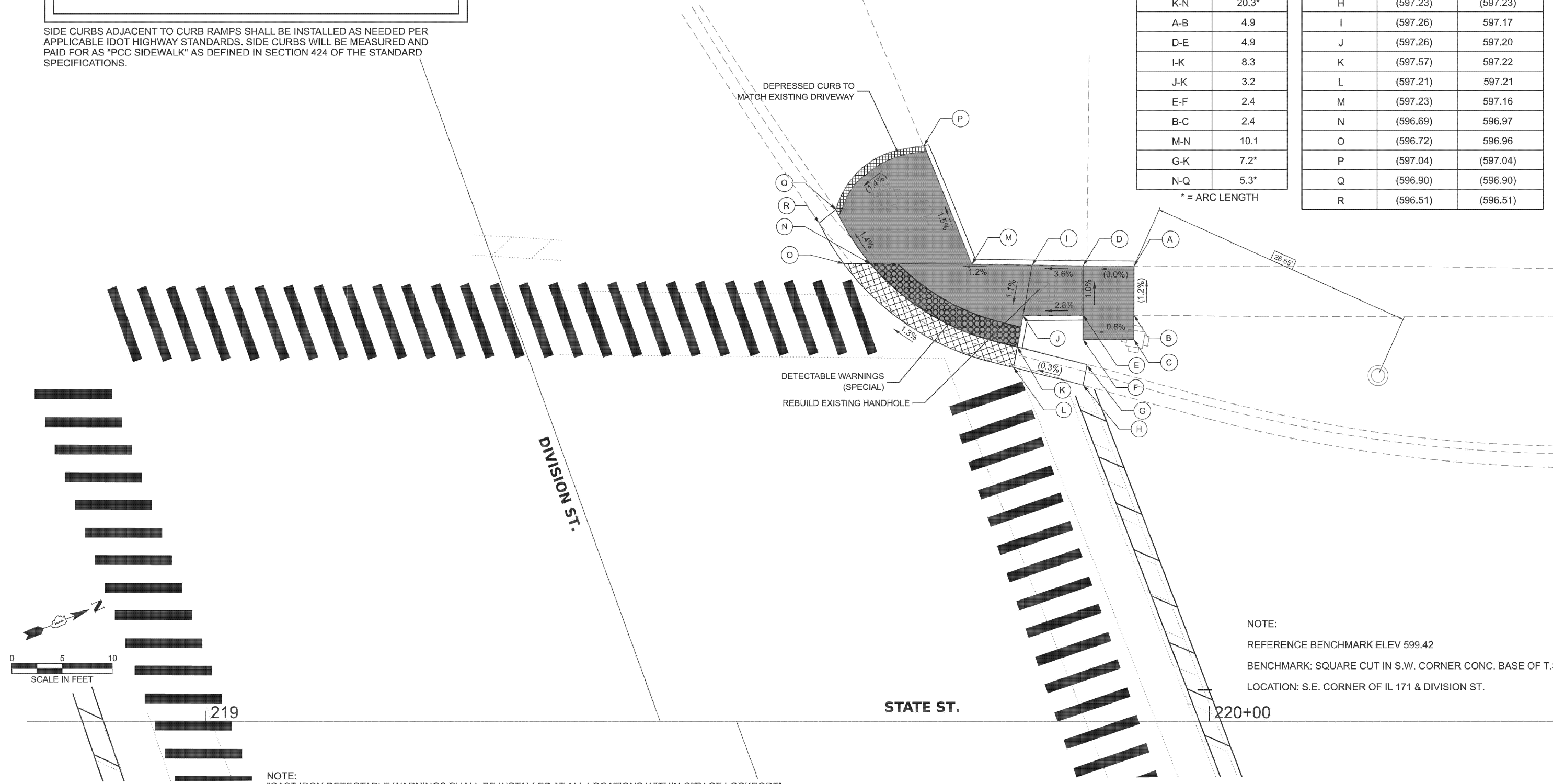
**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING (SPECIAL)		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER		PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

SEGMENT	LENGTH(FT)	POINT:	EX.ELEVATION	PR.ELEVATION
A-D	5.1	A	(597.29)	(597.29)
D-I	5.1	B	(597.35)	(597.35)
I-M	6.0	C	(597.80)	597.38
M-P	8.5	D	(597.29)	(597.29)
P-Q	10.5	E	(597.34)	(597.34)
C-F	5.1	F	(597.62)	597.34
E-J	5.9	G	(597.52)	(597.52)
K-N	20.3*	H	(597.23)	(597.23)
A-B	4.9	I	(597.26)	597.17
D-E	4.9	J	(597.26)	597.20
I-K	8.3	K	(597.57)	597.22
J-K	3.2	L	(597.21)	597.21
E-F	2.4	M	(597.23)	597.16
B-C	2.4	N	(596.69)	596.97
M-N	10.1	O	(596.72)	596.96
G-K	7.2*	P	(597.04)	(597.04)
N-Q	5.3*	Q	(596.90)	(596.90)
		R	(596.51)	(596.51)

\* = ARC LENGTH



NOTE:  
 REFERENCE BENCHMARK ELEV 599.42  
 BENCHMARK: SQUARE CUT IN S.W. CORNER CONC. BASE OF T.S.  
 LOCATION: S.E. CORNER OF IL 171 & DIVISION ST.

NOTE:  
 "CAST IRON DETECTABLE WARNINGS SHALL BE INSTALLED AT ALL LOCATIONS WITHIN CITY OF LOCKPORT".  
 CAST IRON DETECTABLE WARNINGS TO BE PAID AS "DETECTABLE WARNING (SPECIAL)".

MODEL: Sheet View  
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	USER NAME = mohammad.hamwi	DESIGNED - AS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ADA CORNER RAMP DETAILS</b> <b>DIVISION ST AND STATE ST</b>		F.A.P. RTE. = 577	SECTION = FAP 0577 23 SMART	COUNTY = WILL	TOTAL SHEETS = 64	SHEET NO. = 31
	PLOT SCALE = 0.16666833' / in.	CHECKED - VW	REVISED -		SCALE: 1"=5'	SHEET OF 15 SHEETS	STA. TO STA.	CONTRACT NO. 62V71 ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/19/2026	DATE = 3/18/2026	REVISED -								

**GRADING LEGEND / ABBREVIATIONS**

	DETECTABLE WARNING (SPECIAL)		DEPRESSED CURB & GUTTER
	PROPOSED SIDEWALK	X.XX%	GRADING SLOPE
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	(X.XX%) (XXX.XX)	EXISTING SLOPE / EXISTING ELEVATION
	REMOVE & REINSTALL BRICK PAVER	—————	PROPOSED SIDE CURB

SIDE CURBS ADJACENT TO CURB RAMPS SHALL BE INSTALLED AS NEEDED PER APPLICABLE IDOT HIGHWAY STANDARDS. SIDE CURBS WILL BE MEASURED AND PAID FOR AS "PCC SIDEWALK" AS DEFINED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

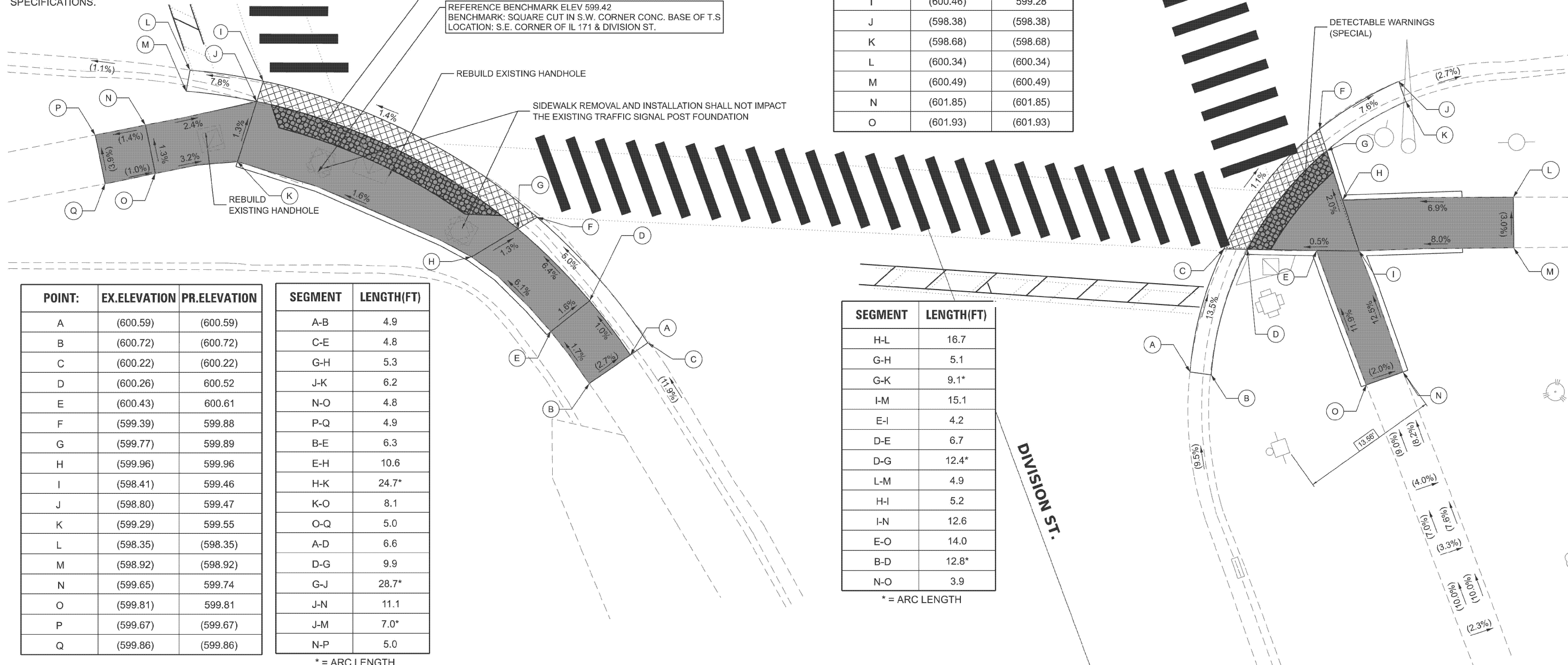
DETECTABLE WARNINGS (SPECIAL)

REFERENCE BENCHMARK ELEV 599.42  
BENCHMARK: SQUARE CUT IN S.W. CORNER CONC. BASE OF T.S  
LOCATION: S.E. CORNER OF IL 171 & DIVISION ST.

REBUILD EXISTING HANDHOLE

SIDEWALK REMOVAL AND INSTALLATION SHALL NOT IMPACT THE EXISTING TRAFFIC SIGNAL POST FOUNDATION

POINT:	EX.ELEVATION	PR.ELEVATION
A	(600.91)	(600.91)
B	(601.34)	(601.34)
C	(599.86)	599.22
D	(600.08)	599.23
E	(600.42)	599.26
F	(598.81)	599.06
G	(599.15)	599.07
H	(599.84)	599.18
I	(600.46)	599.28
J	(598.38)	(598.38)
K	(598.68)	(598.68)
L	(600.34)	(600.34)
M	(600.49)	(600.49)
N	(601.85)	(601.85)
O	(601.93)	(601.93)



POINT:	EX.ELEVATION	PR.ELEVATION
A	(600.59)	(600.59)
B	(600.72)	(600.72)
C	(600.22)	(600.22)
D	(600.26)	600.52
E	(600.43)	600.61
F	(599.39)	599.88
G	(599.77)	599.89
H	(599.96)	599.96
I	(598.41)	599.46
J	(598.80)	599.47
K	(599.29)	599.55
L	(598.35)	(598.35)
M	(598.92)	(598.92)
N	(599.65)	599.74
O	(599.81)	599.81
P	(599.67)	(599.67)
Q	(599.86)	(599.86)

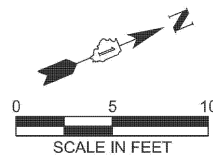
SEGMENT	LENGTH(FT)
A-B	4.9
C-E	4.8
G-H	5.3
J-K	6.2
N-O	4.8
P-Q	4.9
B-E	6.3
E-H	10.6
H-K	24.7*
K-O	8.1
O-Q	5.0
A-D	6.6
D-G	9.9
G-J	28.7*
J-N	11.1
J-M	7.0*
N-P	5.0

\* = ARC LENGTH

SEGMENT	LENGTH(FT)
H-L	16.7
G-H	5.1
G-K	9.1*
I-M	15.1
E-I	4.2
D-E	6.7
D-G	12.4*
L-M	4.9
H-I	5.2
I-N	12.6
E-O	14.0
B-D	12.8*
N-O	3.9

\* = ARC LENGTH

NOTE:  
"CAST IRON DETECTABLE WARNINGS SHALL BE INSTALLED AT ALL LOCATIONS WITHIN CITY OF LOCKPORT".  
CAST IRON DETECTABLE WARNINGS TO BE PAID AS "DETECTABLE WARNING (SPECIAL)".



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PLOT SCALE = 0.16666633' / in.	DRAWN - AS	REVISED -
PLOT DATE = 3/19/2026	CHECKED - VW	REVISED -
	DATE - 3/18/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

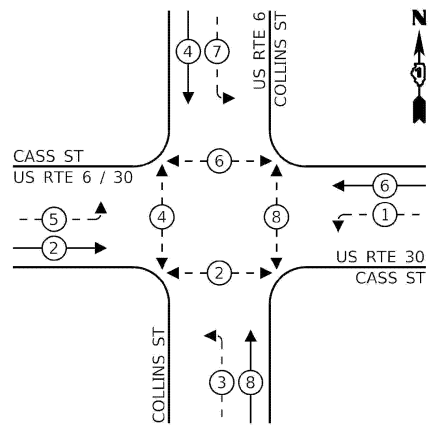
ADA CORNER RAMP DETAILS  
DIVISION ST AND STATE ST

SCALE: 1"=5' SHEET OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	32
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				



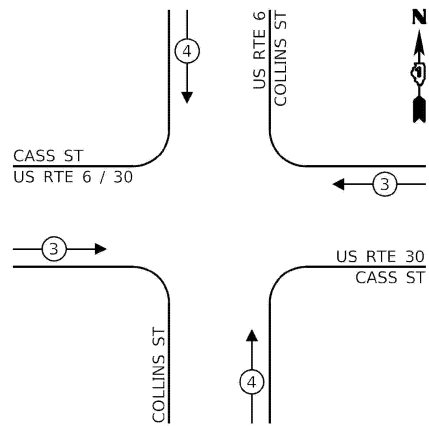
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

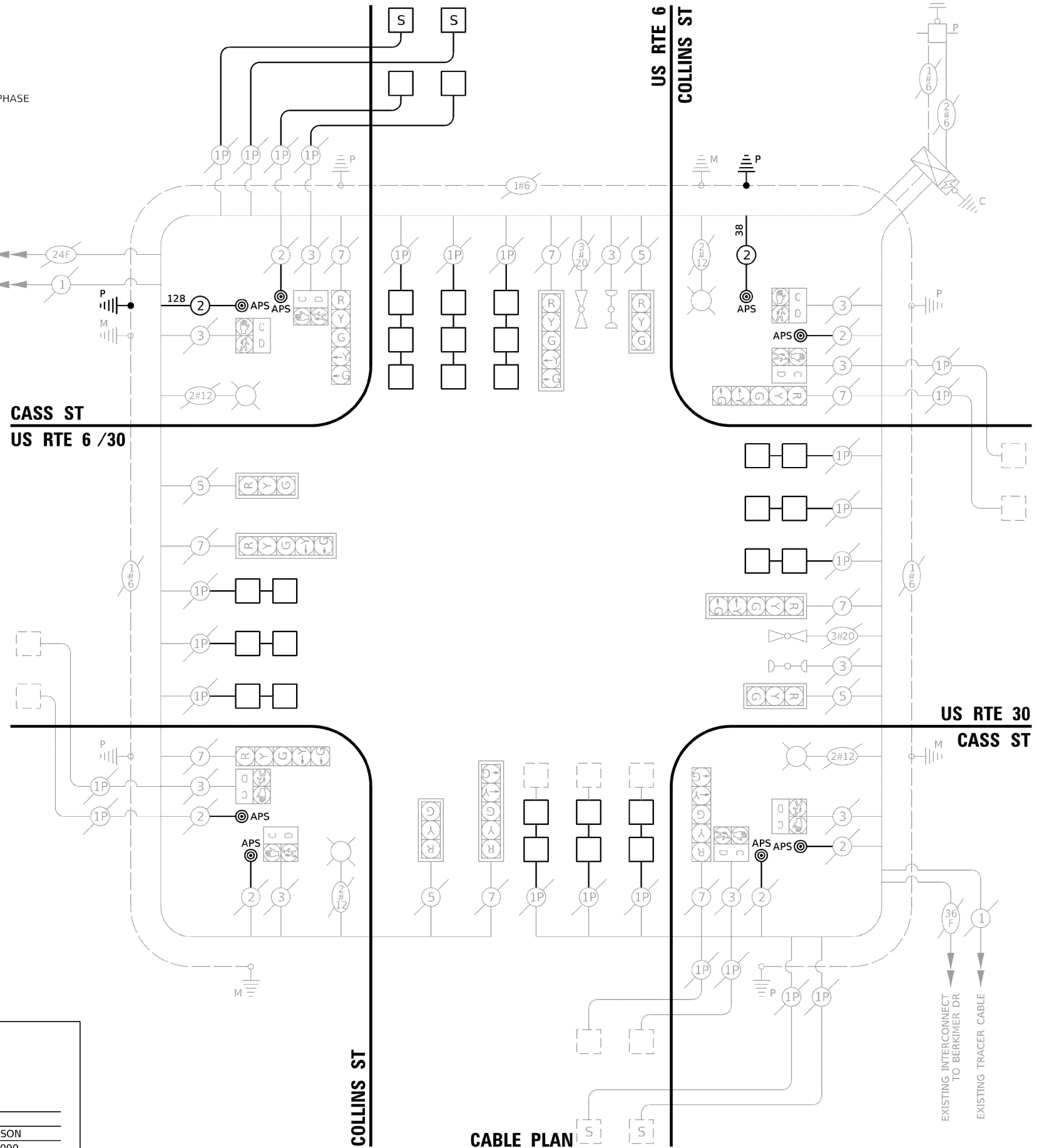
TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	4	11
	4-SECTION	-	14
	5-SECTION	8	13
PROGRAMMABLE	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL CONTROLLER	8	15	120
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	1	35	35
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>			<b>478</b>
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	4	240	960
<b>TOTAL SERVICE WIRE SIZING</b>			<b>2043</b>

ENERGY COSTS - BILLED TO:  
 CITY OF JOLIET  
 150 W JEFFERSON STREET  
 JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 COMPANY: COM. EDISON  
 ACCOUNT NUMBER: 48010-82000  
 METER NUMBER: \_\_\_\_\_

**CASS ST  
US RTE 6 /30**

**US RTE 30  
CASS ST**



**CABLE PLAN**  
(NOT TO SCALE)

**TS 21781  
JOLIET CENTRACS  
(FORMER ECON 123)**

MODEL: Default; FILE NAME: C:\Users\pauliteris\Documents\Projects\2024\0101\_APS\_PROJECT\_MANAGEMENT\13000 - W0\_18 - IL\_Route\_171 - 62V71\CADD\Sheet\Files\02V71\_PEBM\_CABLE.dgn



USER NAME: amaravillias  
 DESIGNED: AM  
 DRAWN: AM  
 CHECKED: BF  
 DATE: 1/23/2026

REVISIONS:  
 REVISION: -  
 REVISION: -  
 REVISION: -  
 REVISION: -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN  
US RTE 6 (COLLINS ST) AND US RTE 30 (CASS ST)**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	34
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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**SCHEDULE OF QUANTITIES**

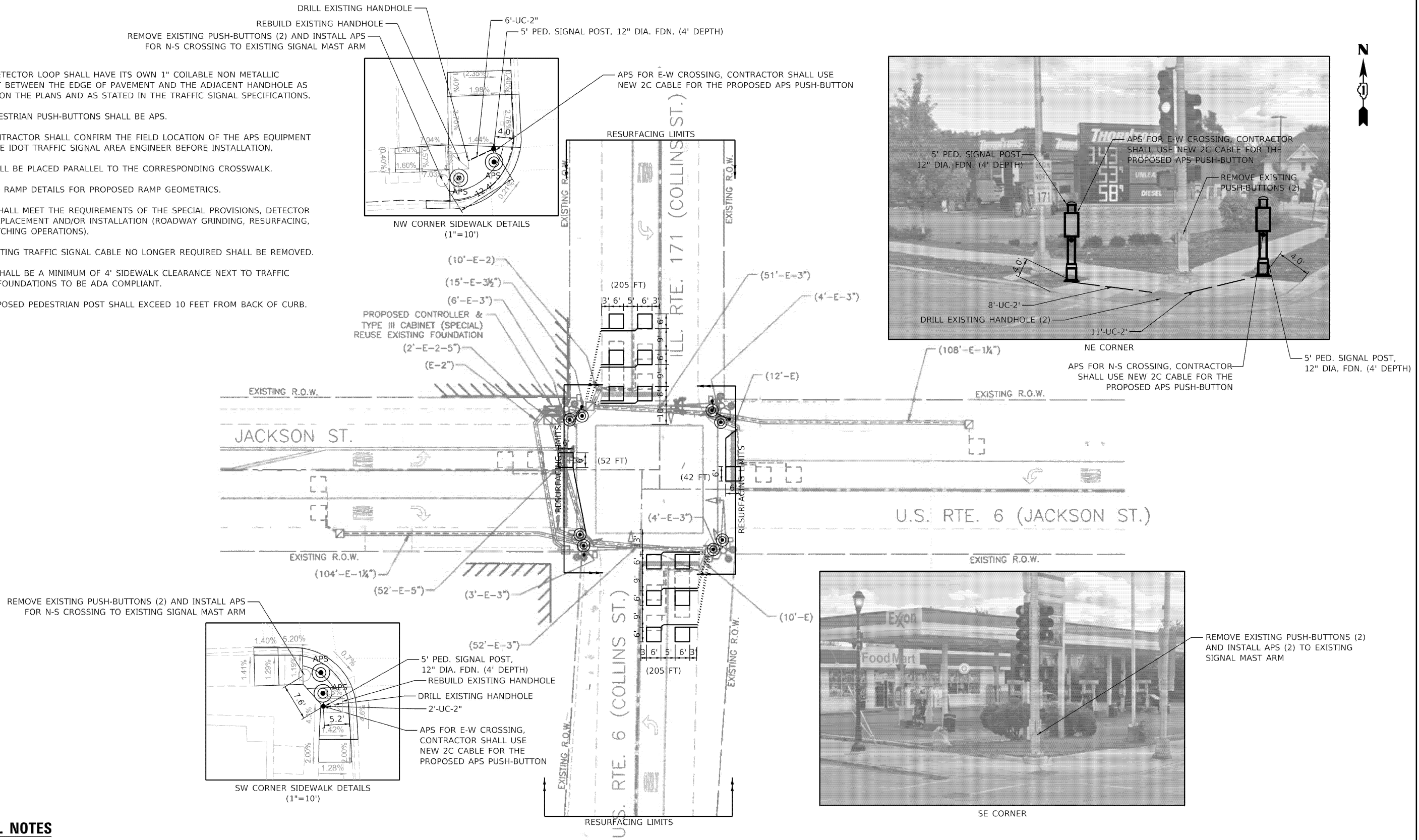
ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	15
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	166
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	21
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	1230
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	107
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TS 21781  
 JOLIET CENTRACS  
 (FORMER ECON 123)**

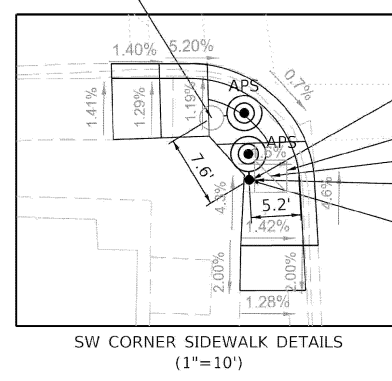
	USER NAME = amaravillas	DESIGNED - AM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES US RTE 6 (COLLINS ST) AND US RTE 30 (CASS ST)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 2.000' / in.	CHECKED - BF	REVISED -			577	FAP 0577 23	WILL	64	35	
PLOT DATE = 1/23/2026	DATE - 1/23/2026	REVISED -	SCALE:		SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
							CONTRACT NO. 62V71				

**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. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.
3. THE CONTRACTOR SHALL CONFIRM THE FIELD LOCATION OF THE APS EQUIPMENT WITH THE IDOT TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
4. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
5. SEE ADA RAMP DETAILS FOR PROPOSED RAMP GEOMETRICS.
6. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
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.
9. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FEET FROM BACK OF CURB.



REMOVE EXISTING PUSH-BUTTONS (2) AND INSTALL APS FOR N-S CROSSING TO EXISTING SIGNAL MAST ARM



**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



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USER NAME = amaravillas	DESIGNED - AM	REVISED -
PLOT SCALE = 100.000' / in.	DRAWN - AM	REVISED -
PLOT DATE = 1/23/2026	CHECKED - BF	REVISED -
	DATE - 1/23/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

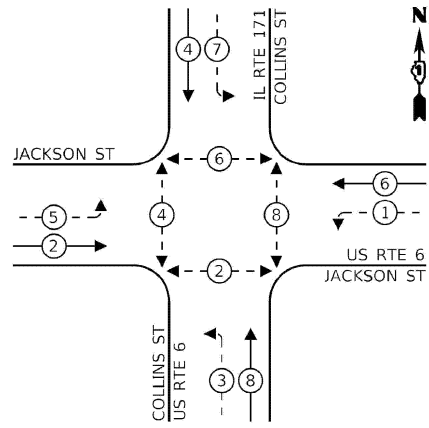
APS AND DETECTOR LOOP INSTALLATION PLAN  
US RTE 6 (JACKSON ST) AND IL RTE 171 (COLLINS ST)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	36
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

TS 22555

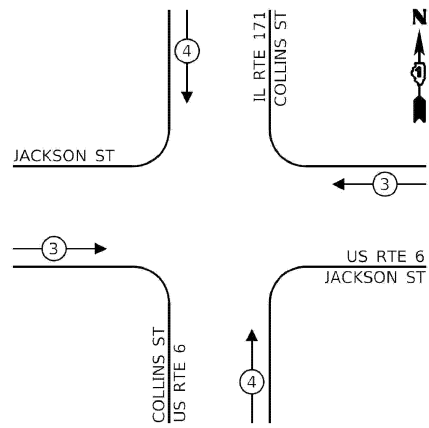
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



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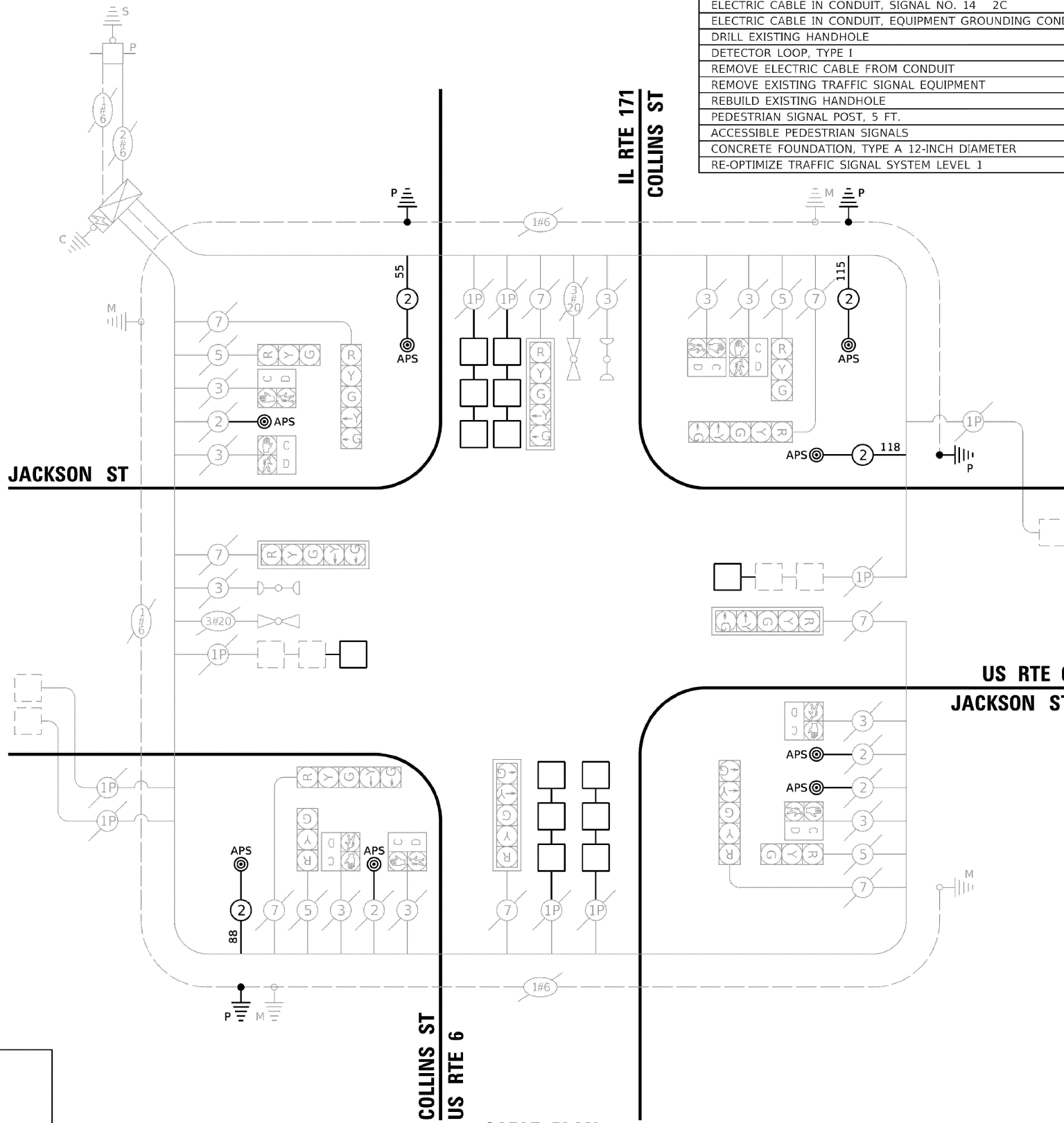
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- ← (⊙) ← PROTECTED/PERMITTED PHASE
- ← (⊙) ← PEDESTRIAN PHASE
- ← (⊙) ← OL OVERLAP

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	27
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	376
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	39
DRILL EXISTING HANDHOLE	EACH	4
DETECTOR LOOP, TYPE I	FOOT	504
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	224
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	4	11
	4-SECTION	-	14
	5-SECTION	8	13
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 OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>		<b>443</b>	
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	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1048</b>	

ENERGY COSTS - BILLED TO:  
CITY OF JOLIET  
150 W JEFFERSON STREET  
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: COM. EDISON  
ACCOUNT NUMBER: 48010-82000  
METER NUMBER: \_\_\_\_\_

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USER NAME = amaravillas  
DESIGNED - AM  
DRAWN - AM  
CHECKED - BF  
DATE - 1/23/2026

REVISIONS:  
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN AND SCHEDULE OF QUANTITIES  
US RTE 6 (JACKSON ST) AND IL RTE 171 (COLLINS ST)

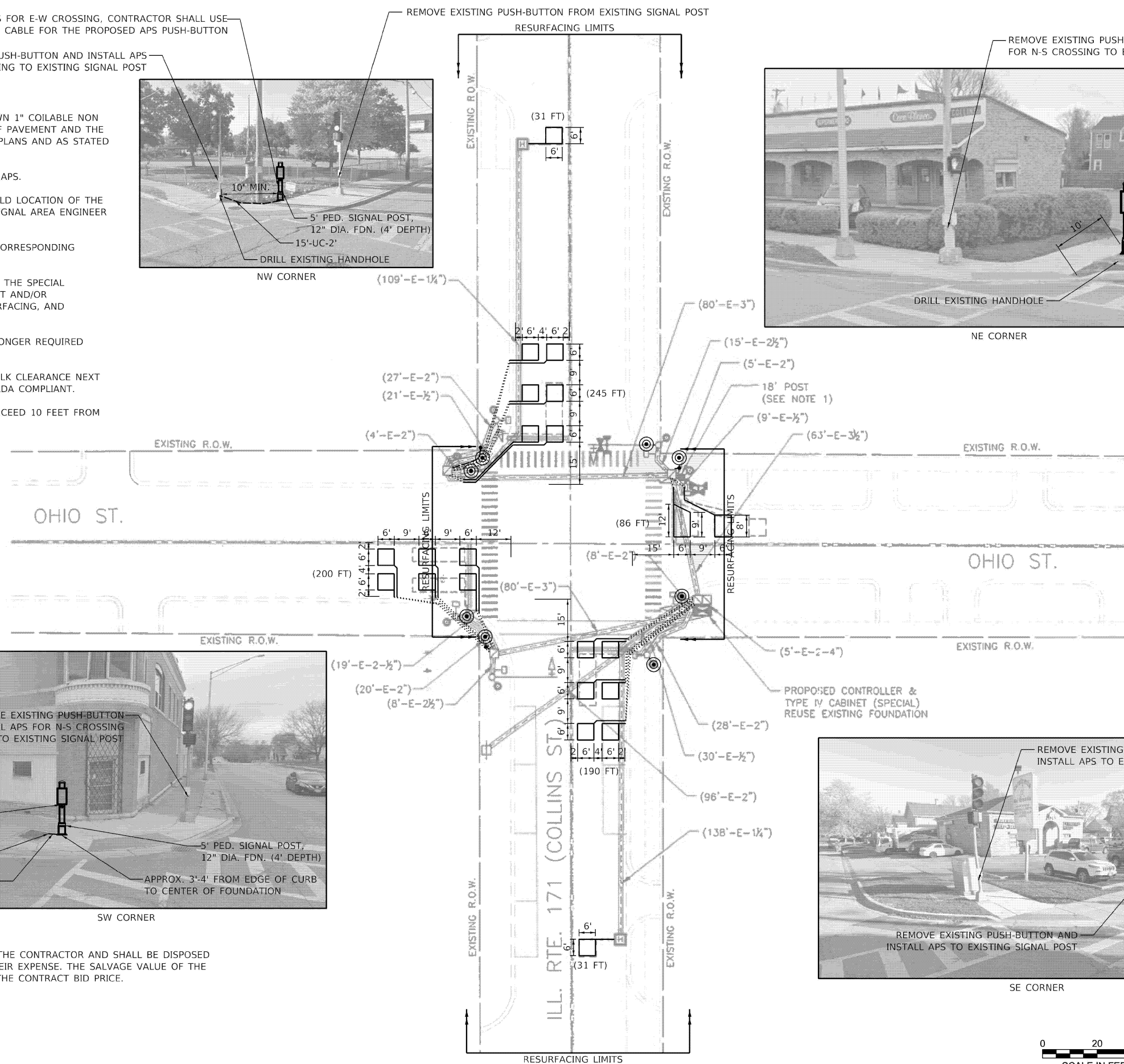
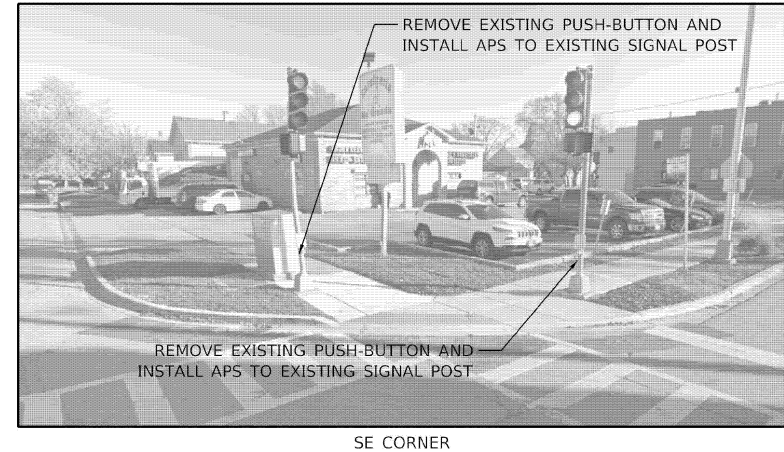
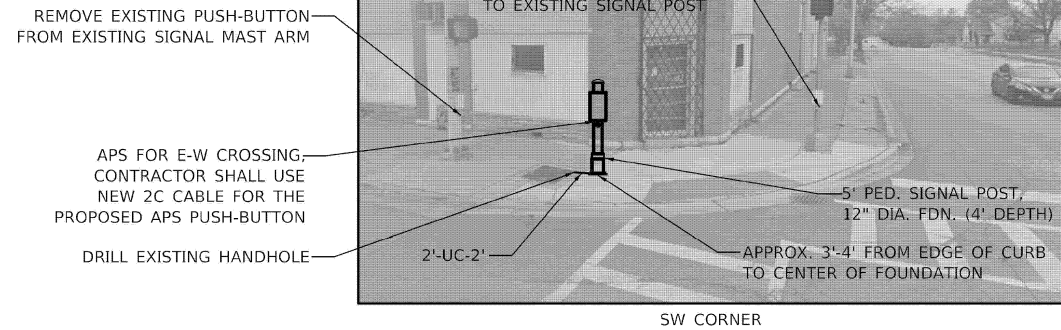
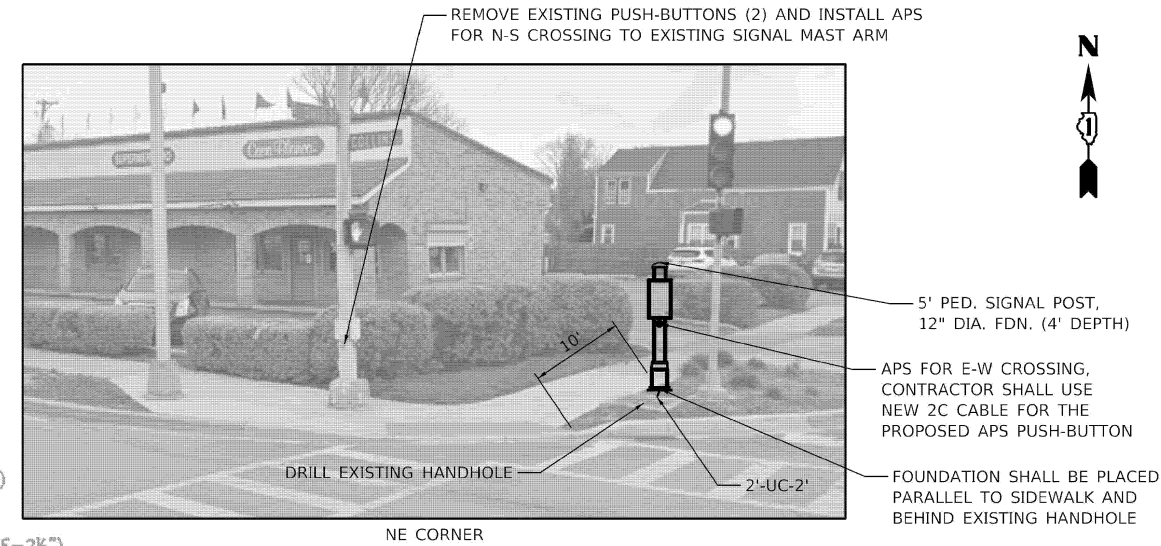
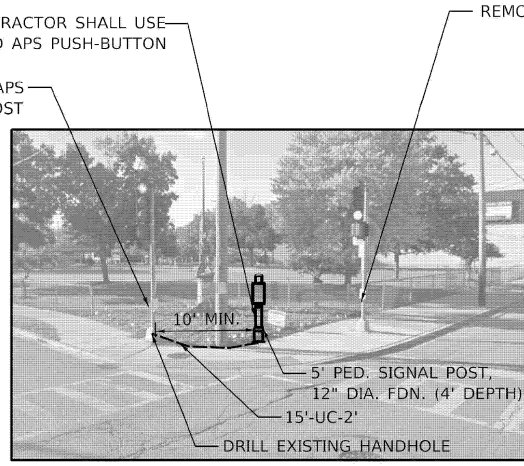
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	37

CONTRACT NO. 62V71

**TS 22555**

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



**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



**TS 22556**

MODEL: Default; FILE NAME: C:\Sharepoint\ITERIS, INC\Systems - Midwest - Chicago Construction\IDOT P18\_204-010.D1\_APS PROJECT MANAGEMENT\13009 - W0\_18 - IL\_Route 171 - 62V71\CAD\DOT\Sheet Files\62V71\_TS\_MOD.dgn



USER NAME = amaravillas	DESIGNED - AM	REVISED -
PLOT SCALE = 100.000 ' / in.	DRAWN - AM	REVISED -
PLOT DATE = 1/23/2026	CHECKED - BF	REVISED -
	DATE - 1/23/2026	REVISED -

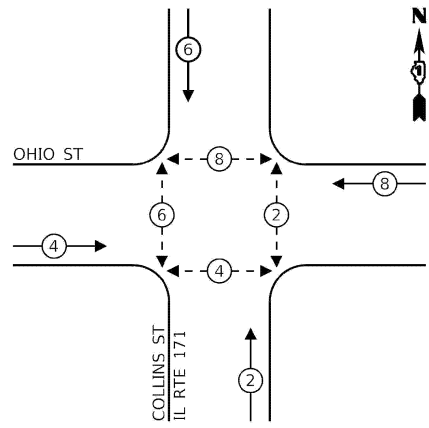
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**APS AND DETECTOR LOOP INSTALLATION PLAN  
IL RTE 171 (COLLINS ST) AND OHIO ST**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	38
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

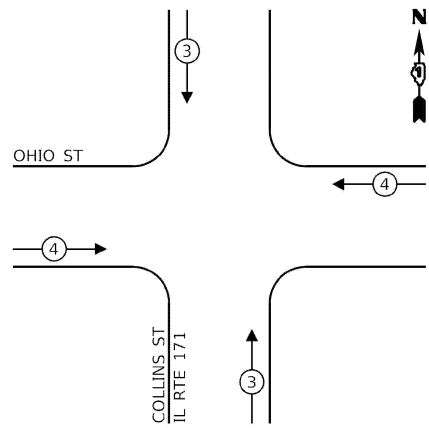
**EXISTING AND PROPOSED CONTROLLER SEQUENCE**



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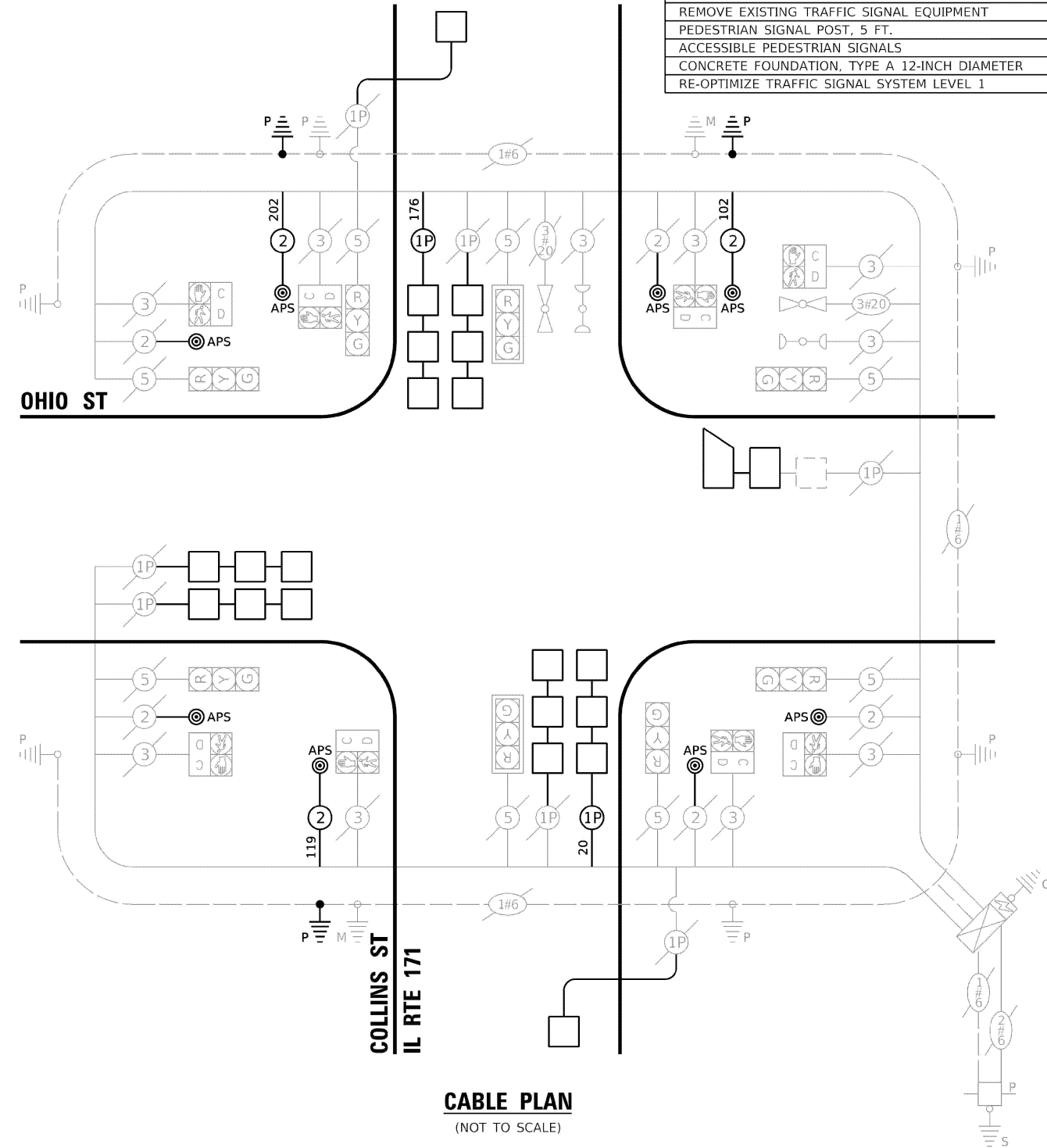
- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	19
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	423
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	196
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	28
DRILL EXISTING HANDHOLE	EACH	3
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	783
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	351
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	8	11
	4-SECTION	-	14
	5-SECTION	-	13
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 OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>			<b>383</b>
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	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>988</b>

ENERGY COSTS - BILLED TO:  
CITY OF JOLIET  
150 W JEFFERSON STREET  
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: COM. EDISON  
ACCOUNT NUMBER: 48010-82000  
METER NUMBER: \_\_\_\_\_

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USER NAME: amaravillas  
DESIGNED - AM  
DRAWN - AM  
CHECKED - BF  
DATE - 1/23/2026

REVISIONS:  
REVISOR: \_\_\_\_\_  
DATE: \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN AND SCHEDULE OF QUANTITIES  
IL RTE 171 (COLLINS ST) AND OHIO ST  
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	39
CONTRACT NO. 62271				
ILLINOIS FED. AID PROJECT				

**TS 22556**

**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. ALL PEDESTRIAN PUSH-BUTTONS SHALL BE AP.
3. THE CONTRACTOR SHALL CONFIRM THE FIELD LOCATION OF THE APS EQUIPMENT WITH THE IDOT TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
4. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
5. SEE ADA RAMP DETAILS FOR PROPOSED RAMP GEOMETRICS.
6. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
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.
9. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FEET FROM BACK OF CURB.



REMOVE EXISTING PUSH-BUTTONS (2) AND INSTALL APS FOR N-S CROSSING TO EXISTING SIGNAL POST  
 DRILL EXISTING HANDHOLE

REBUILD EXISTING HANDHOLE

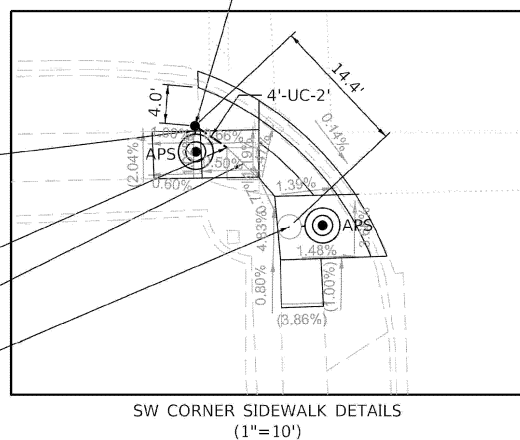
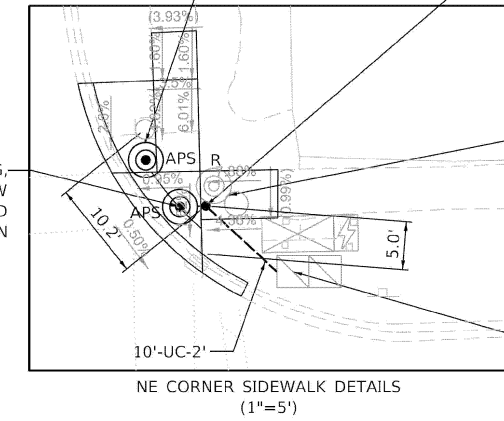
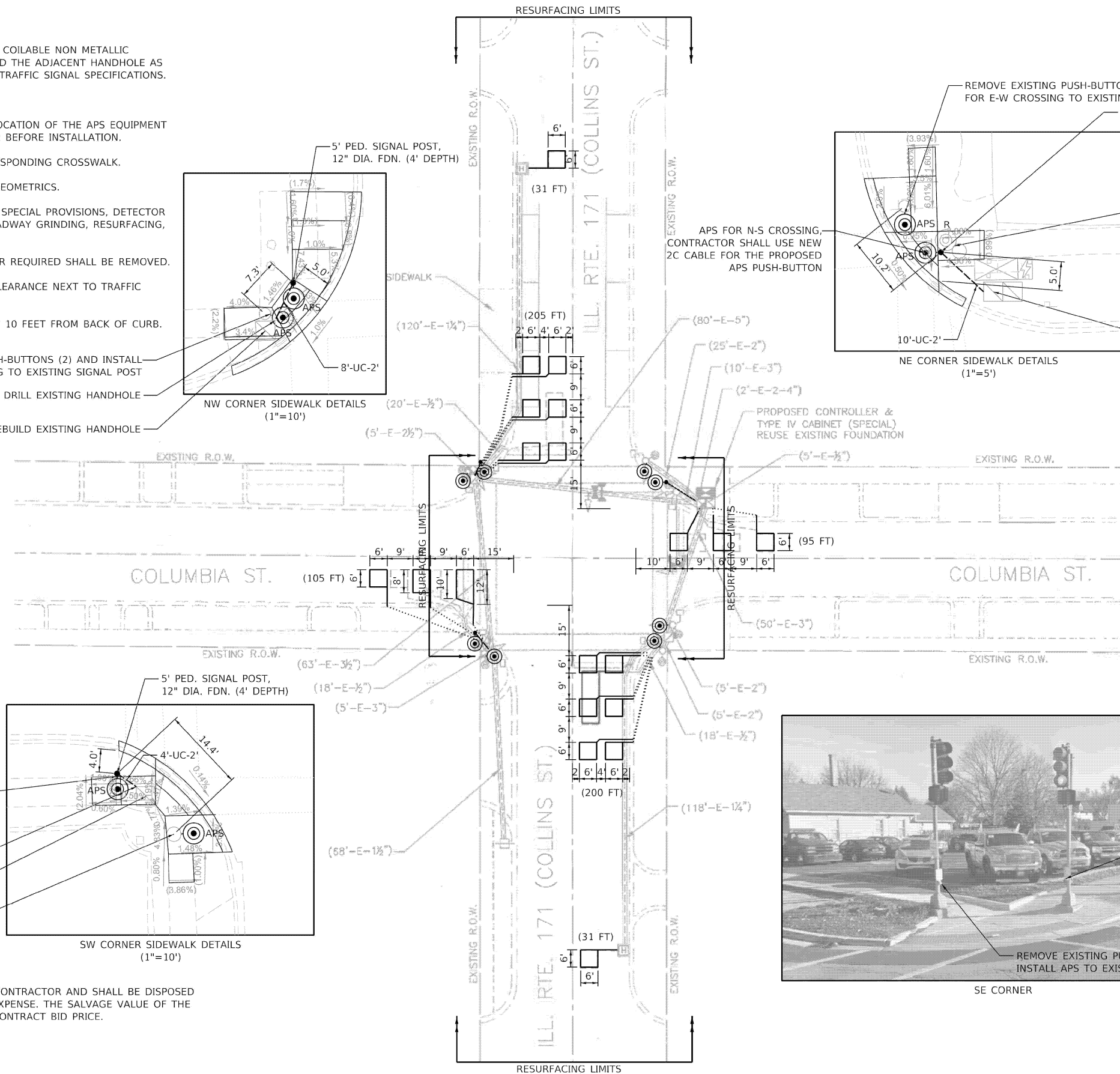
APS FOR E-W CROSSING, CONTRACTOR SHALL USE NEW 2C CABLE FOR THE PROPOSED APS PUSH-BUTTON  
 DRILL EXISTING HANDHOLE  
 REBUILD EXISTING HANDHOLE

REMOVE EXISTING PUSH-BUTTONS (2) AND INSTALL APS FOR N-S CROSSING TO EXISTING SIGNAL POST

**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



SE CORNER



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USER NAME = amaravillas	DESIGNED - AM	REVISED -
PLOT SCALE = 100.000' / in.	DRAWN - AM	REVISED -
PLOT DATE = 1/23/2026	CHECKED - BF	REVISED -
	DATE - 1/23/2026	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN  
 IL RTE 171 (COLLINS ST) AND COLUMBIA ST

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

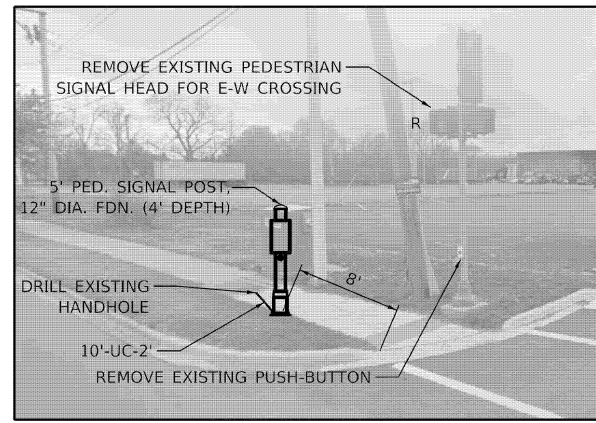
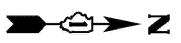
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	40
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

TS 22557

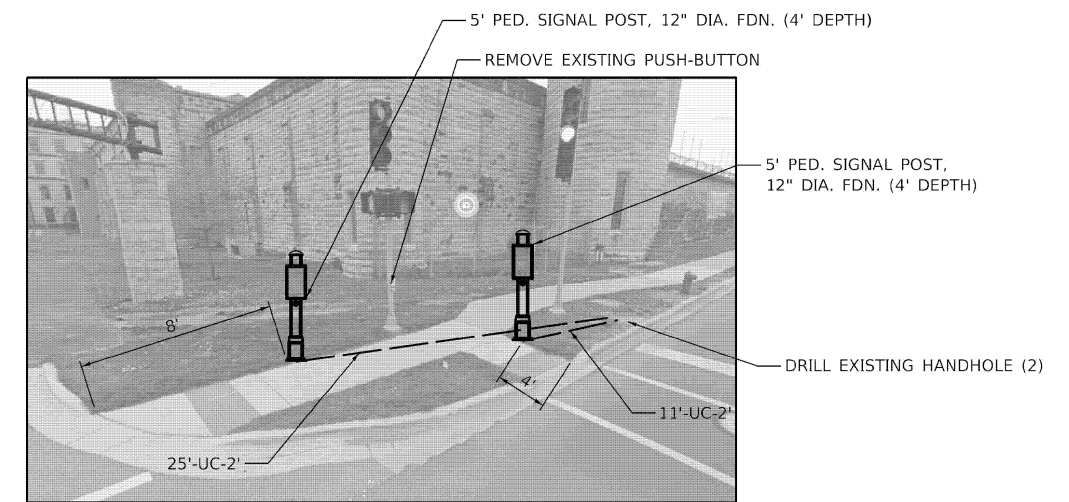


**NOTES:**

- 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.
- ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.
- THE CONTRACTOR SHALL CONFIRM THE FIELD LOCATION OF THE APS EQUIPMENT WITH THE IDOT TRAFFIC SIGNAL AREA ENGINEER BEFORE INSTALLATION.
- APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
- SEE ADA RAMP DETAILS FOR PROPOSED RAMP GEOMETRICS.
- WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
- ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
- THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT.
- NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FEET FROM BACK OF CURB.
- THE MOUNTING LOCATION OF THE VIDEO DETECTION WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATION.

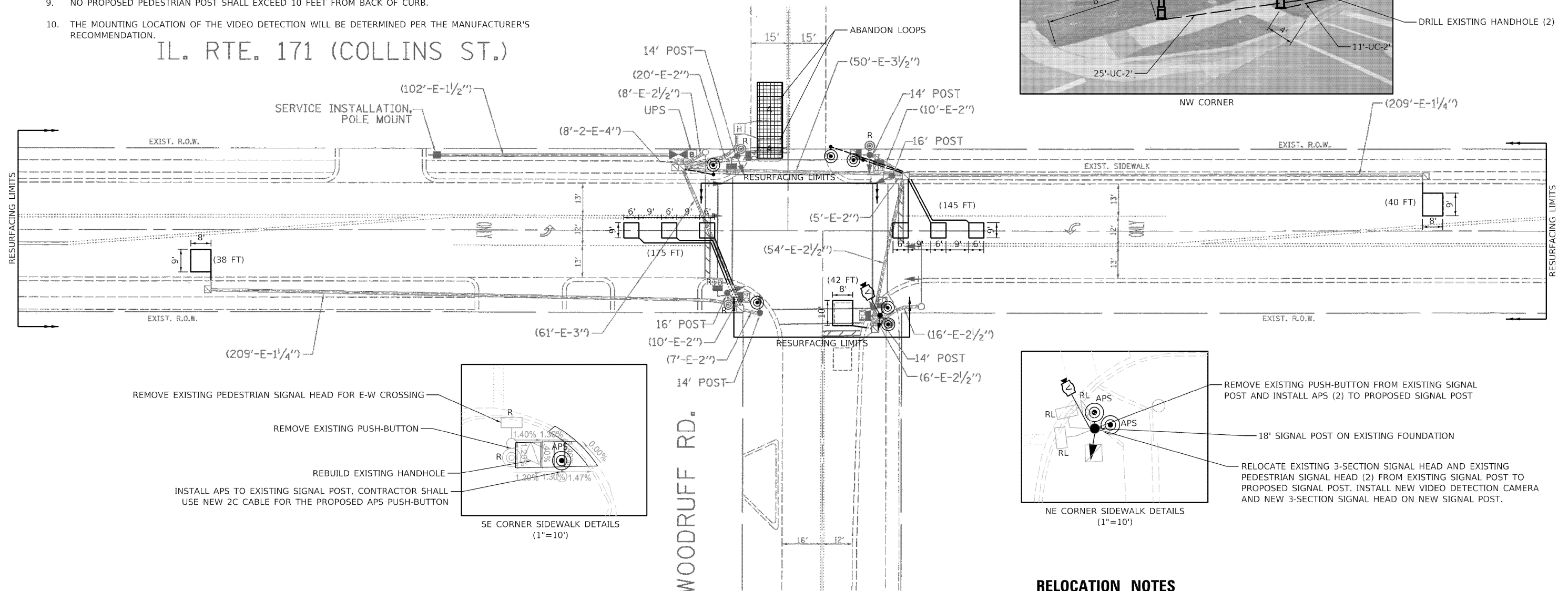


SW CORNER

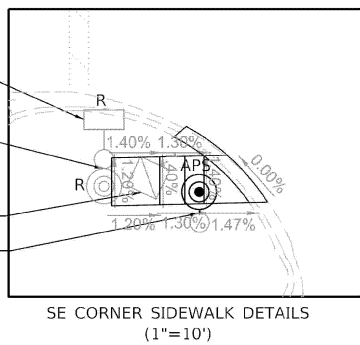


NW CORNER

**IL. RTE. 171 (COLLINS ST.)**



- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FOR E-W CROSSING
- REMOVE EXISTING PUSH-BUTTON
- REBUILD EXISTING HANDHOLE
- INSTALL APS TO EXISTING SIGNAL POST, CONTRACTOR SHALL USE NEW 2C CABLE FOR THE PROPOSED APS PUSH-BUTTON



- REMOVE EXISTING PUSH-BUTTON FROM EXISTING SIGNAL POST AND INSTALL APS (2) TO PROPOSED SIGNAL POST
- 18' SIGNAL POST ON EXISTING FOUNDATION
- RELOCATE EXISTING 3-SECTION SIGNAL HEAD AND EXISTING PEDESTRIAN SIGNAL HEAD (2) FROM EXISTING SIGNAL POST TO PROPOSED SIGNAL POST. INSTALL NEW VIDEO DETECTION CAMERA AND NEW 3-SECTION SIGNAL HEAD ON NEW SIGNAL POST.

**RELOCATION NOTES**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL EQUIPMENT. IF ANY EQUIPMENT IS DAMAGED DURING RELOCATION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE THE EQUIPMENT AT NO ADDITIONAL COST TO THE CONTRACT.

- 1 EACH 3-SECTION SIGNAL HEAD, BRACKED MOUNTED
- 2 EACH PEDESTRIAN SIGNAL HEAD



**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.

- 4 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH PEDESTRIAN SIGNAL HEAD

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APS AND DETECTOR LOOP INSTALLATION PLAN  
IL RTE 171 (COLLINS ST) AND WOODRUFF RD

TS 7610

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PLOT DATE = 1/28/2026	CHECKED - BF	REVISED -
	DATE - 1/28/2026	REVISED -

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DATE - 1/28/2026	REVISED -

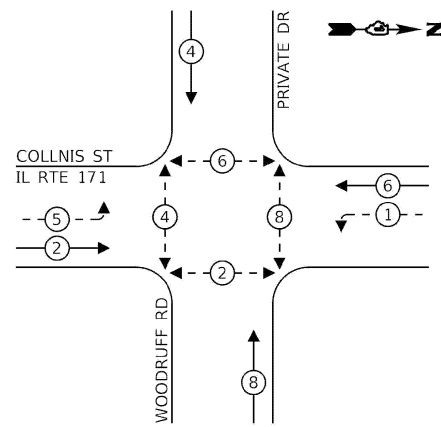
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	42
CONTRACT NO. 62471				
ILLINOIS FED. AID PROJECT				

**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	682
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	322
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	328
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	31
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
DETECTOR LOOP, TYPE I	FOOT	440
RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	730
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
LED SIGNAL FACE, LENS COVER	EACH	1
VIDEO VEHICLE DETECTION SYSTEM	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

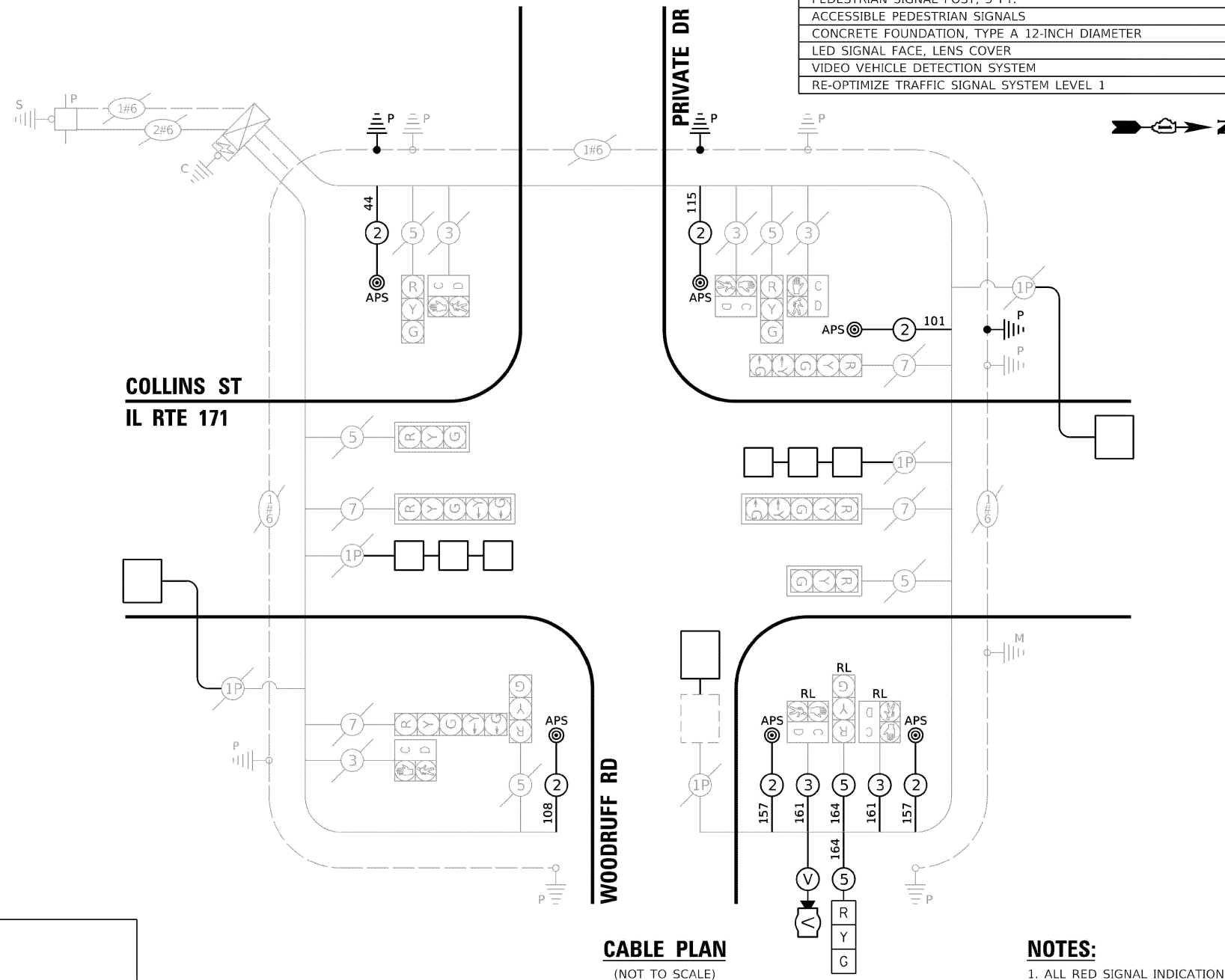
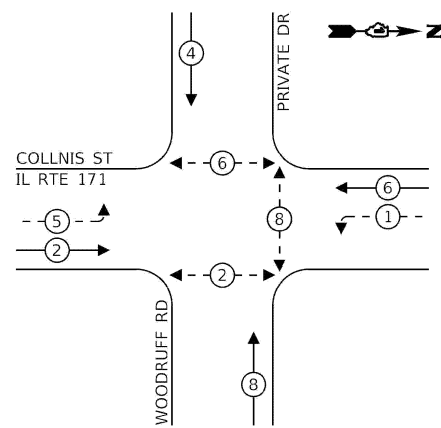
**EXISTING CONTROLLER SEQUENCE**



**LEGEND:**

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

**PROPOSED CONTROLLER SEQUENCE**



**CABLE PLAN**  
(NOT TO SCALE)

**NOTES:**  
1. ALL RED SIGNAL INDICATIONS SHALL HAVE A LENS COVER.

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	7	11
	4-SECTION	-	14
	5-SECTION	4	13
PROGRAMMABLE	3-SECTION	-	22
	4-SECTION	-	32
	5-SECTION	-	28
PEDESTRIAN SIGNAL	6	15	90
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	1	20	20
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>			<b>414</b>
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	-
<b>TOTAL SERVICE WIRE SIZING</b>			<b>1019</b>

ENERGY COSTS - BILLED TO:  
CITY OF JOLIET  
150 W JEFFERSON STREET  
JOLIET, IL 60432

ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: COM. EDISON  
ACCOUNT NUMBER: 48010-82000  
METER NUMBER: 272349015

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USER NAME = amaravillas  
DESIGNED - AM  
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CHECKED - BF  
DATE - 1/23/2026

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN AND SCHEDULE OF QUANTITIES  
IL RTE 171 (COLLINS ST) AND WOODRUFF RD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	43

CONTRACT NO. 6271

**TS 7610**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

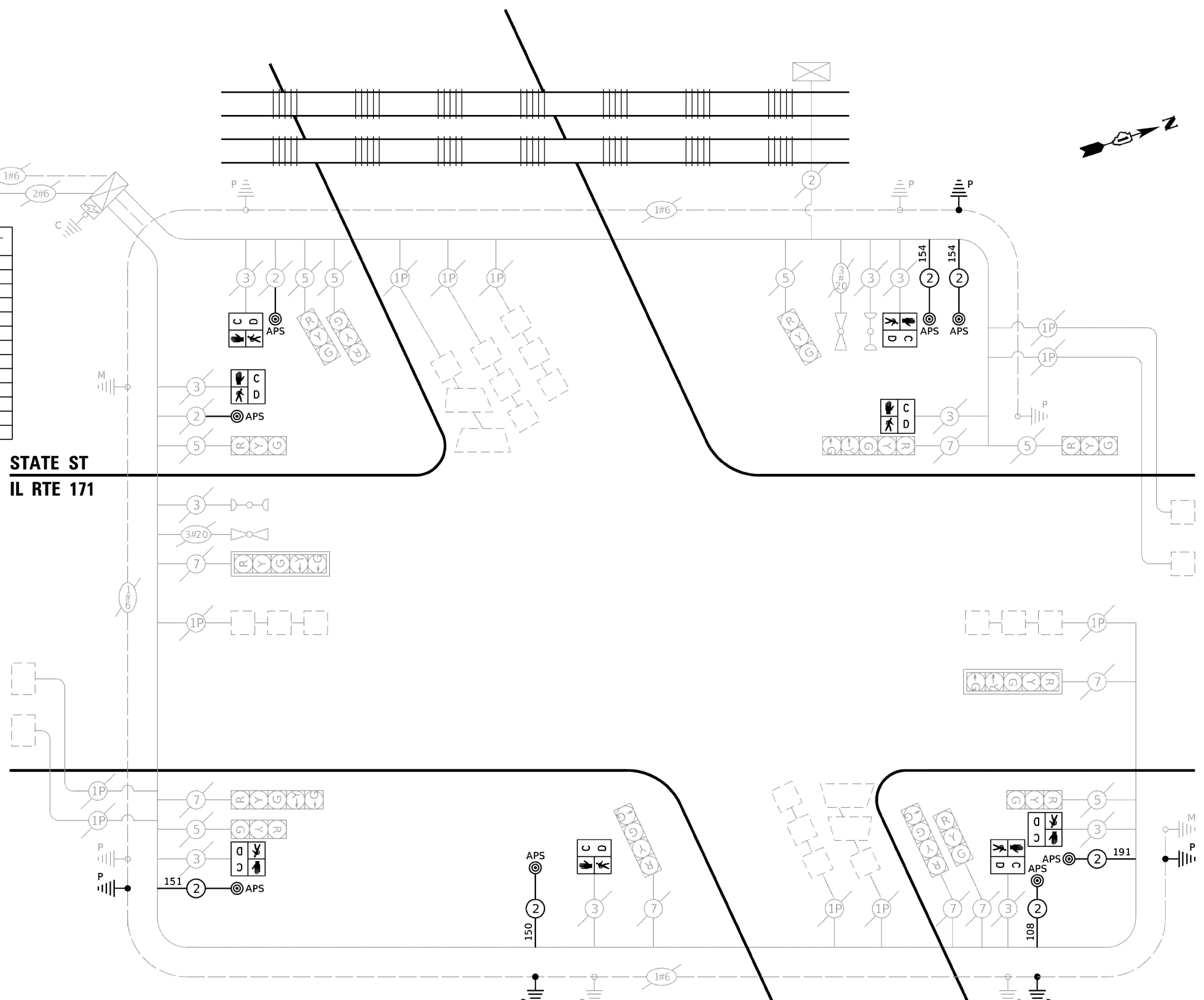


**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	33
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1105
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	48
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	929
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	5
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**STATE ST  
IL RTE 171**

**DIVISION ST**



**CABLE PLAN**  
(NOT TO SCALE)

**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	8	11
	4-SECTION	2	14
	5-SECTION	4	13
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 OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
<b>TOTAL UPS SIZING</b>		<b>463</b>	
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	-
<b>TOTAL SERVICE WIRE SIZING</b>		<b>1068</b>	

ENERGY COSTS - BILLED TO:  
CITY OF LOCKPORT  
222 EAST 9TH STREET  
LOCKPORT, IL 60441

ENERGY SUPPLY: CONTACT: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
COMPANY: COM. EDISON  
ACCOUNT NUMBER: 65490-02111  
METER NUMBER: 273279937

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN AND SCHEDULE OF QUANTITIES  
IL RTE 171 (STATE ST) AND DIVISION ST**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	45
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

**TS 7516**

**SEQUENCE OF OPERATION**

MOVEMENT	1 + 5				1 + 6			2 + 5			2 + 6			4 + 8				F L A S H
PHASE	1	2	3	4	5	6	7	8	9	10	11	12	13A	13B	14	15	16A	
INTERVAL																		
CHANGE TO		1+6	2+5	2+6	ϕ	ϕ	2+6	ϕ	ϕ	2+6				4+8				1+5 1+6 2+5 2+6
IL RTE. 171 NEAR AND FAR RIGHT SIGNALS	N/B	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R
IL RTE. 171 END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	R	R	R	G	G	G	G	G	Y	R	R	R	R	R
IL RTE. 171 NEAR AND FAR RIGHT SIGNALS	S/B	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R
IL RTE. 171 END MAST ARM AND FAR LEFT SIGNALS	S/B	R	R	R	R	G	G	G	R	R	R	G	G	Y	R	R	R	R
DIVISION STREET NEAR RIGHT SIGNAL	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
DIVISION STREET FAR RIGHT AND LEFT SIGNALS	E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
DIVISION STREET ALL SIGNALS	W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R
PEDESTRIAN SIGNALS CROSSING DIVISION STREET ON WEST SIDE OF IL RTE. 171		DW	DW	DW	DW	**FL	DW	DW	DW	DW	**FL	DW	DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING DIVISION STREET ON EAST SIDE OF IL RTE. 171		DW	DW	DW	DW	DW	DW	**FL	DW	DW	**FL	DW	DW	DW	DW	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING IL RTE. 171 ON NORTH SIDE OF DIVISION STREET		DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	**FL	DW	DW	DW
PEDESTRIAN SIGNALS CROSSING IL RTE. 171 ON SOUTH SIDE OF DIVISION STREET		DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	**FL	DW	DW	DW


- \* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
  - \*\* FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
  - ϕ THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN THE BIDIRECTIONAL STRAIGHT THROUGH MOVEMENT IF THE LEFT ARROW TIME IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS.
- W = "WALK"  
 FL = FLASHING "DON'T WALK"  
 DW = "DON'T WALK"

PHASE 2+6 SHALL BE PLACED ON RECALL.

**RAILROAD PREEMPTION SEQUENCE OF OPERATION**

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTOR NUMBER 2														CLEAR TO NORMAL SEQUENCE			
	1	5	8	11	14	2	3	4	5	6	7	8	9	10				
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	2	3	4	5	6	7	8	9	10
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	1J	2	3	4	5	6	7	8	9	10	11
IL RTE. 171 NEAR AND FAR RIGHT SIGNALS	N/B	R	R	R	Y	R	Y	R	R	R	R	R	R	G	Δ			
IL RTE. 171 END MAST ARM AND FAR LEFT SIGNALS	N/B	R	R	R	Y	R	Y	R	R	R	R	R	R	G	Δ			
IL RTE. 171 NEAR AND FAR RIGHT SIGNALS	S/B	R	Y	R	R	R	Y	R	R	R	R	R	R	G	Δ			
IL RTE. 171 END MAST ARM AND FAR LEFT SIGNALS	S/B	R	Y	R	R	R	Y	R	R	R	R	R	R	G	Δ			
DIVISION STREET NEAR RIGHT SIGNAL	E/B	R	R	R	R	R	R	R	G	G	G	Y	R	R	Δ			
DIVISION STREET FAR RIGHT AND LEFT SIGNALS	E/B	R	R	R	R	R	R	R	G	G	G	Y	R	R	Δ			
DIVISION STREET ALL SIGNALS	W/B	R	R	R	R	R	R	R	Y	R	R	R	R	R	Δ			
PEDESTRIAN SIGNALS CROSSING DIVISION STREET ON WEST SIDE OF IL RTE. 171		DW	FL	DW	DW	DW	FL	DW	DW	DW	DW	DW	DW	DW	Δ			
PEDESTRIAN SIGNALS CROSSING DIVISION STREET ON EAST SIDE OF IL RTE. 171		DW	DW	DW	FL	DW	FL	DW	DW	DW	DW	DW	DW	DW	Δ			
PEDESTRIAN SIGNALS CROSSING IL RTE. 171 ON NORTH SIDE OF DIVISION STREET		DW	DW	DW	DW	DW	DW	FL	DW	DW	DW	DW	DW	DW	Δ			
PEDESTRIAN SIGNALS CROSSING IL RTE. 171 ON SOUTH SIDE OF DIVISION STREET		DW	DW	DW	DW	DW	DW	FL	DW	DW	DW	DW	DW	DW	Δ			
INTERNALLY ILLUMINATED NLT SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	Δ			

Δ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

NLT = "NO LEFT TURN" OR 

**FOR INFORMATION PURPOSES ONLY**

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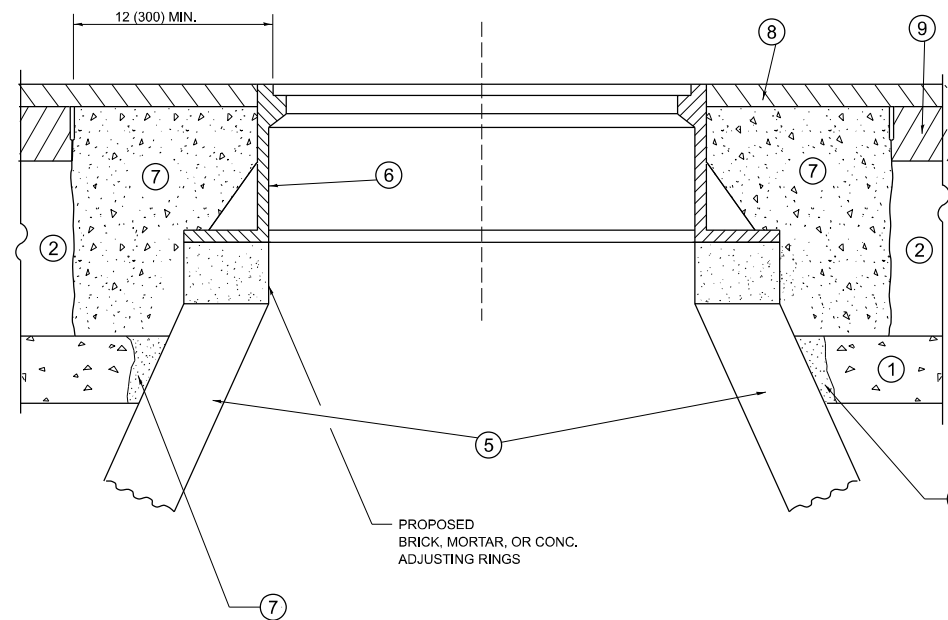
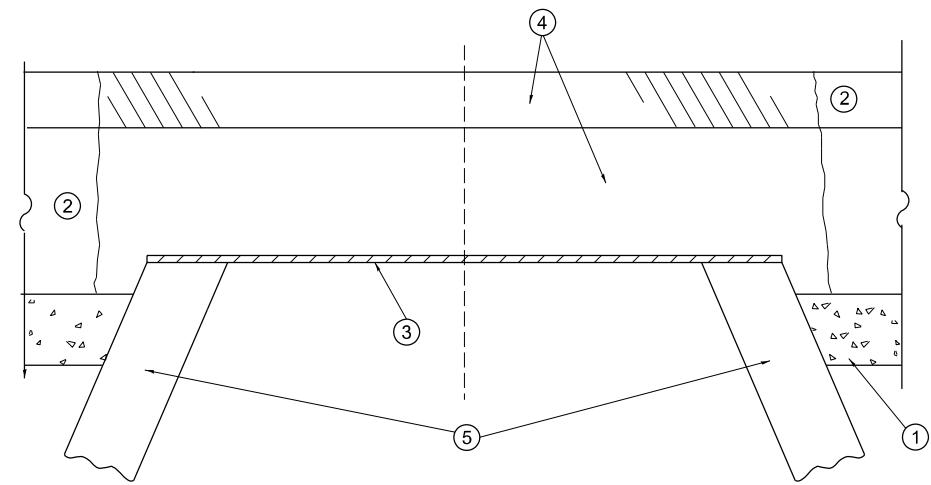
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PLOT DATE = 1/23/2026	DATE - 1/23/2026	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SEQUENCE OF OPERATION AND RAILROAD PREEMPTION SEQUENCE  
IL RTE 171 (STATE ST) AND DIVISION ST

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23	WILL	64	46
CONTRACT NO. 62V71				
ILLINOIS FED. AID PROJECT				

TS 7516



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

**NOTES**

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

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

**STAGE 2 (AFTER PAVEMENT MILLING)**

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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USER NAME = mohammad.hamwi	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 1/29/2026	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

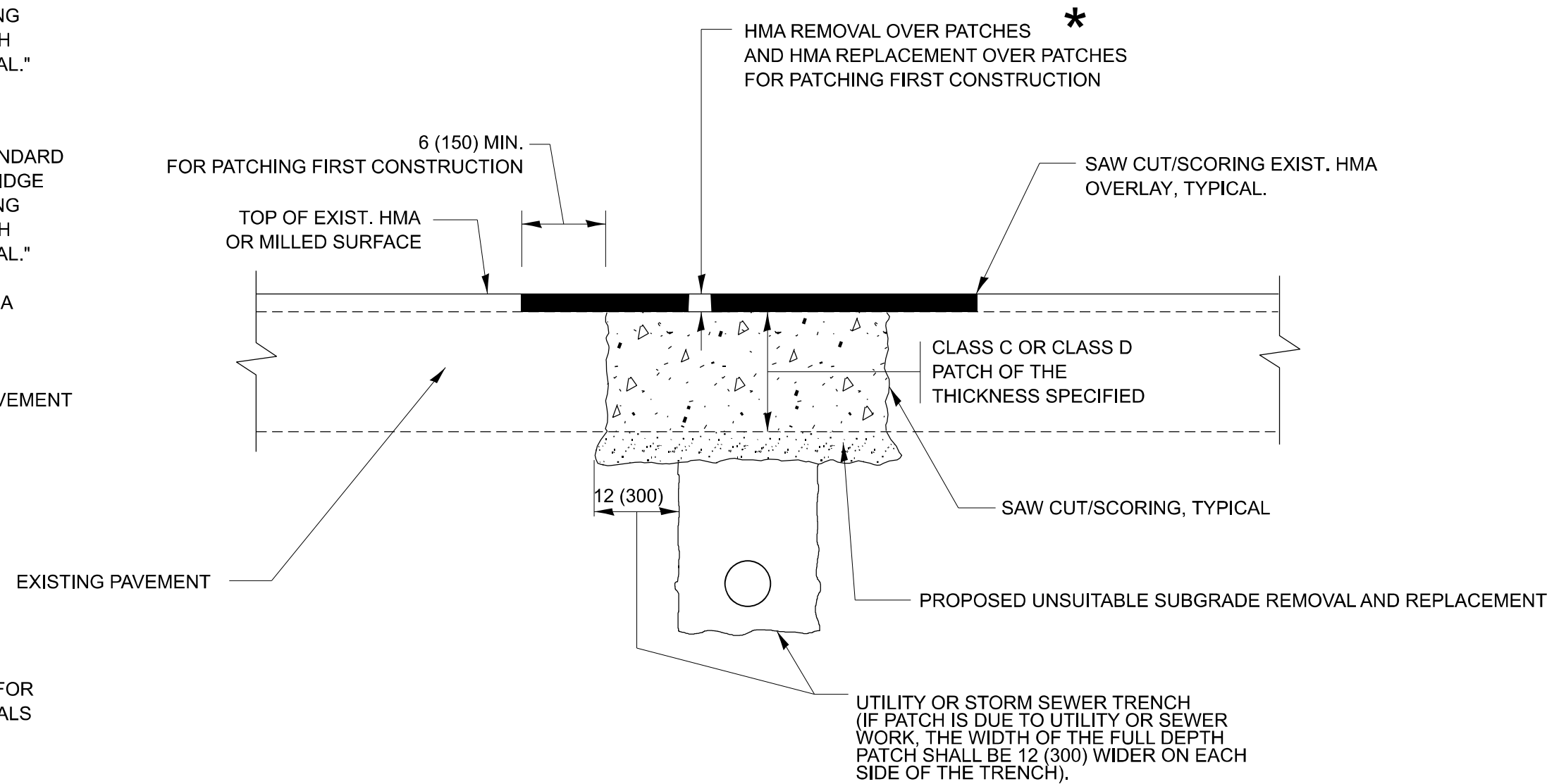
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	47
BD600-03 (BD-08)			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				

## METHOD OF MEASUREMENT

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

## BASIS OF PAYMENT

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



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

## SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

## SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 ½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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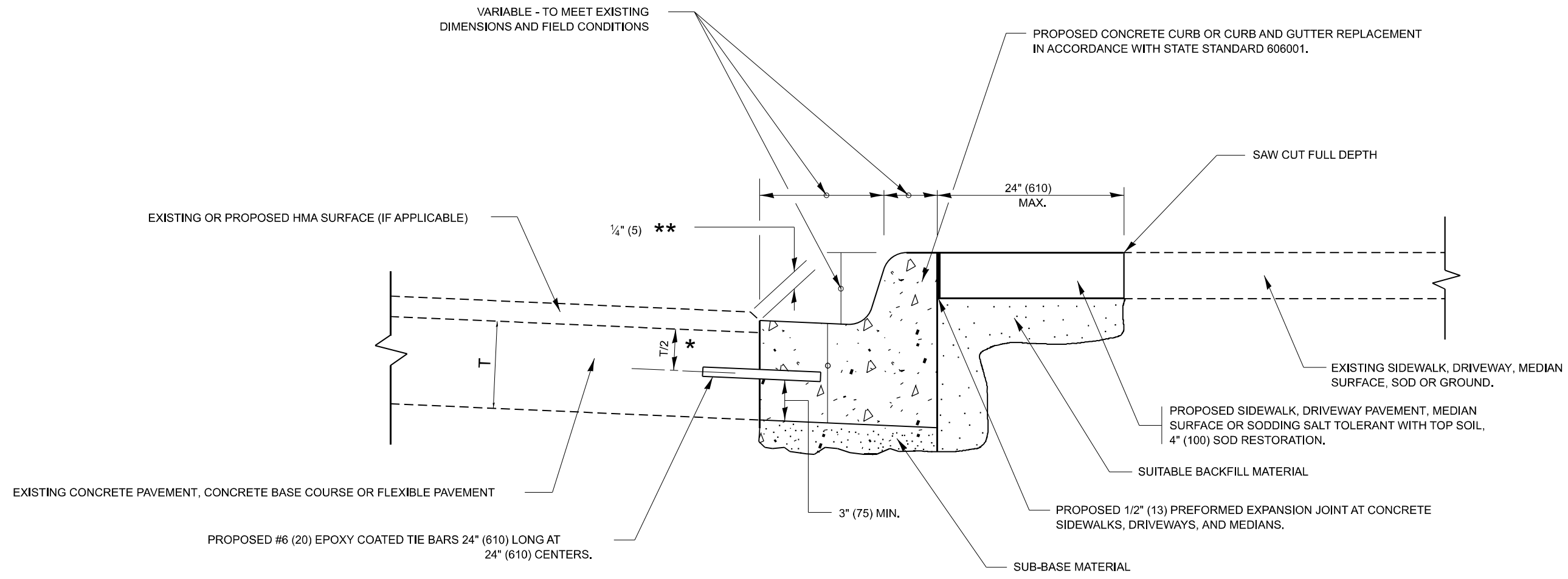
USER NAME = mohammad.hamwi	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 1/29/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	48
BD400-04 (BD-22)			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				



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

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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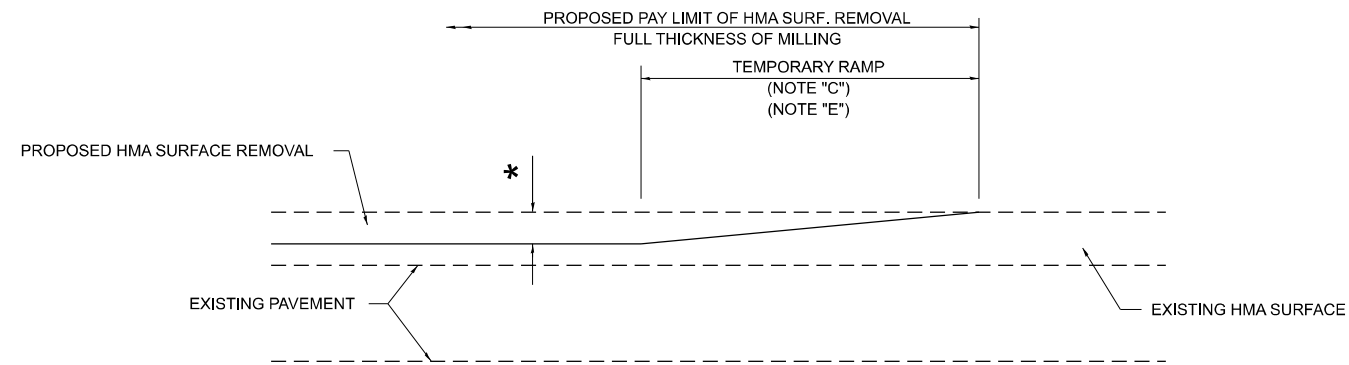
USER NAME = mohammad.hamwi	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 01-22-01
	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 1/29/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT**

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

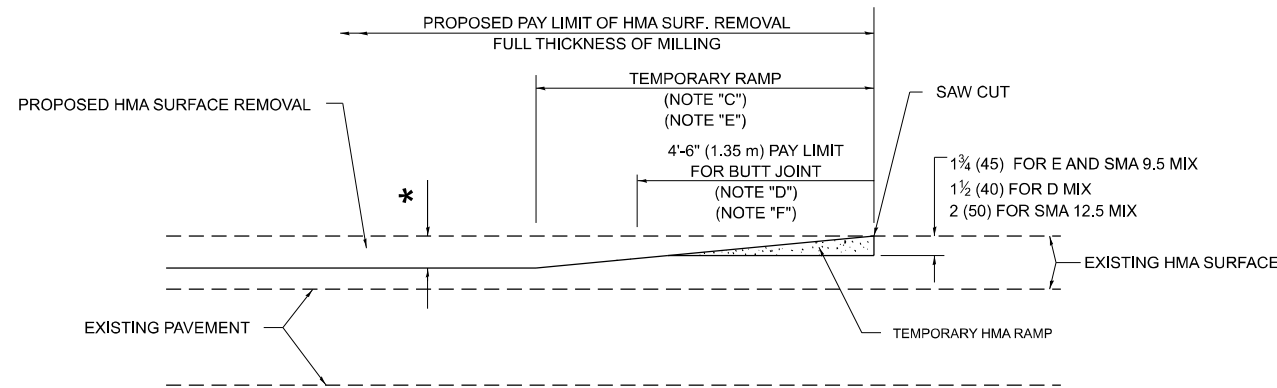
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	49
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 62V71	
ILLINOIS   FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

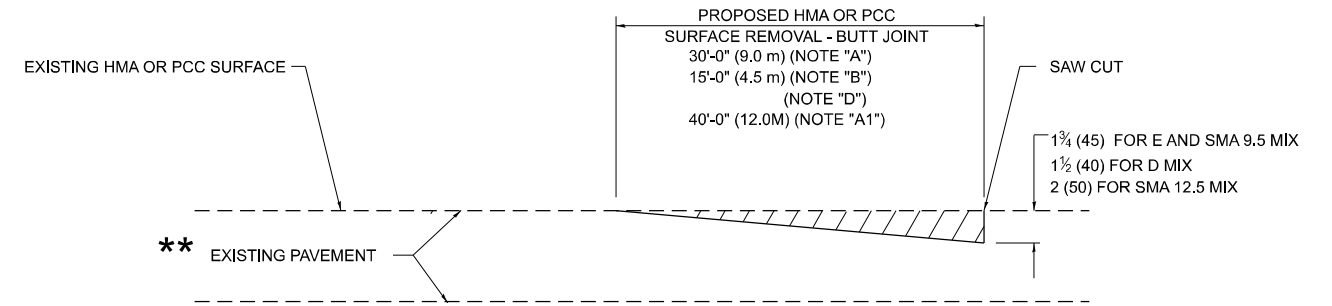


**HMA CONSTRUCTED TEMPORARY RAMP**

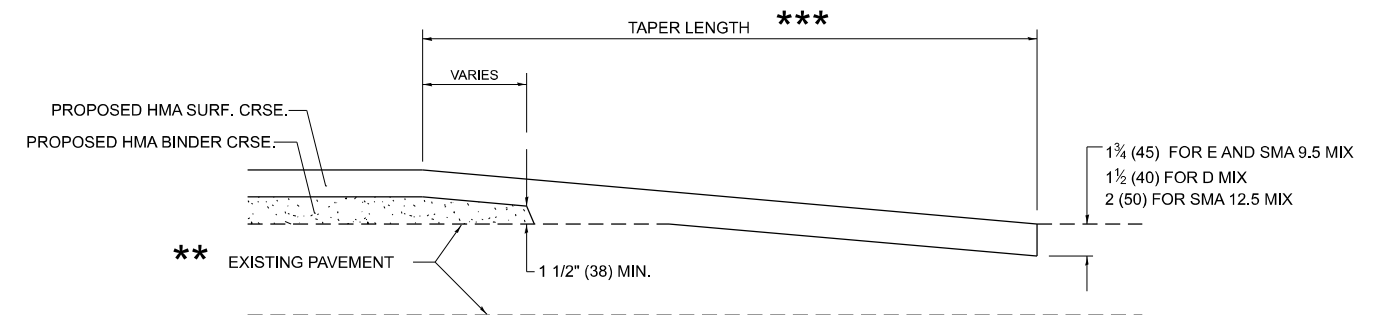
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

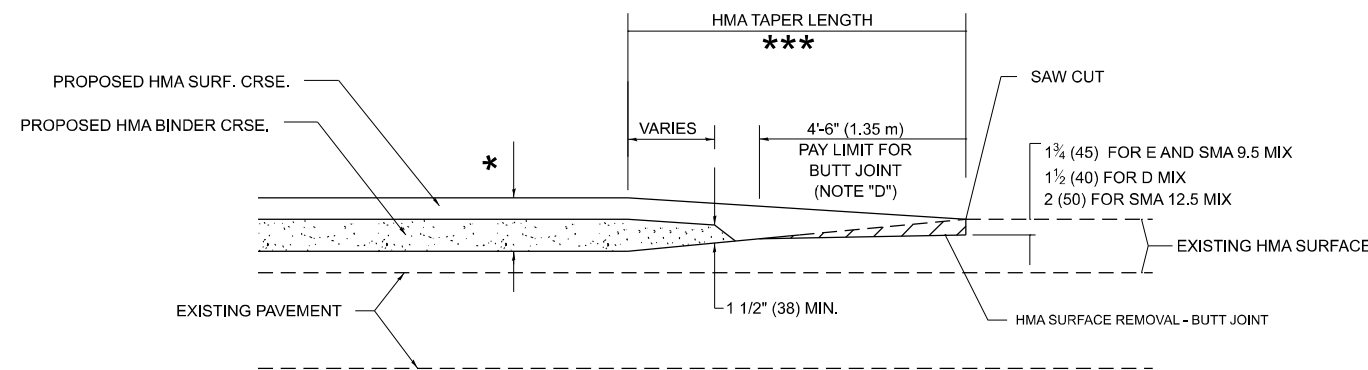
**GENERAL NOTES**

- 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.



**BUTT JOINT AND  
HMA TAPER**

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

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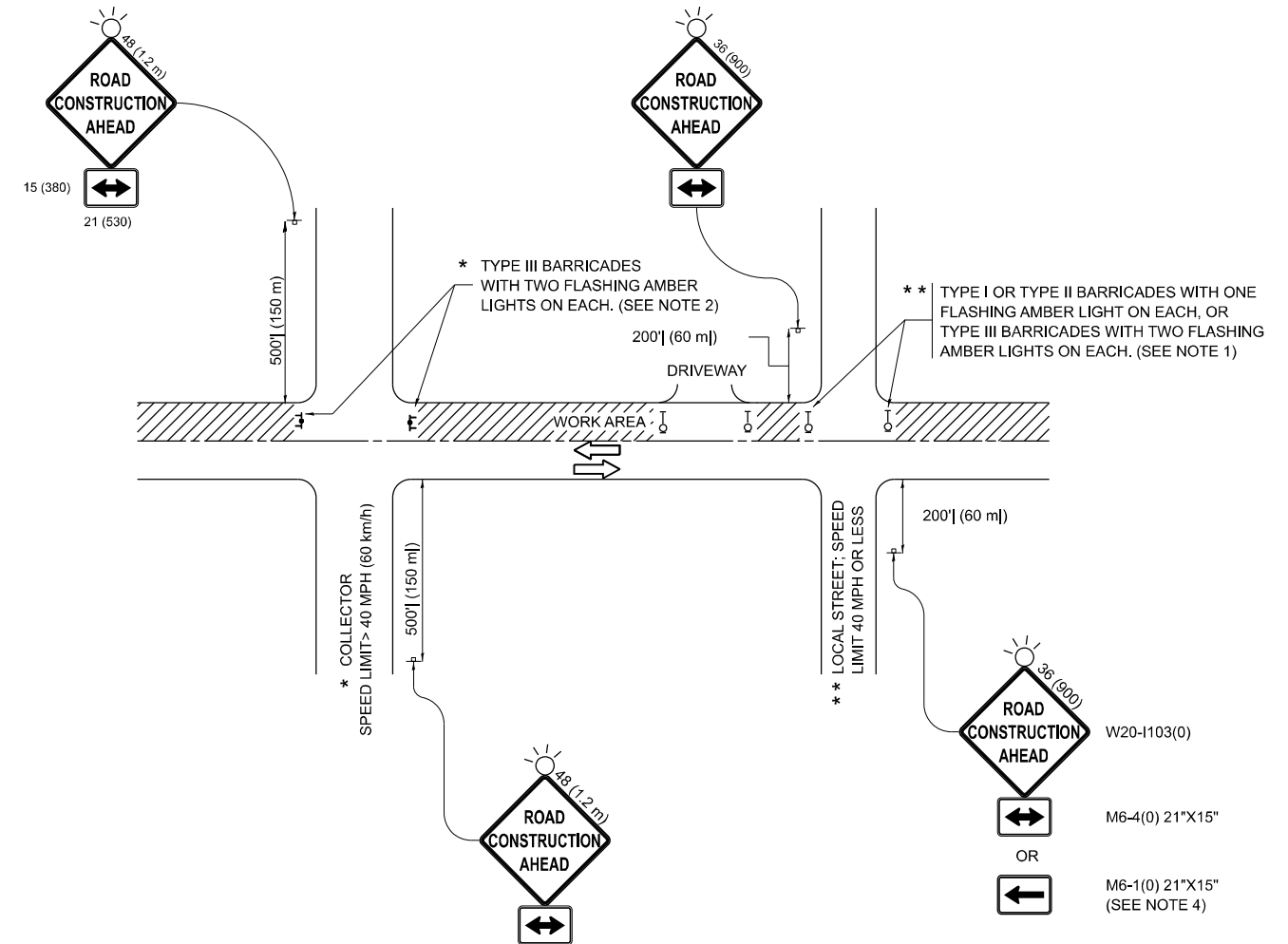
USER NAME = mohammad.hamwi	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 1/29/2026	DATE - 06-13-90	REVISED - K. SMITH 11-19-22

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.
577	FAP 0577 23 SMART	WILL	64	50
<b>BD400-05 BD-32</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

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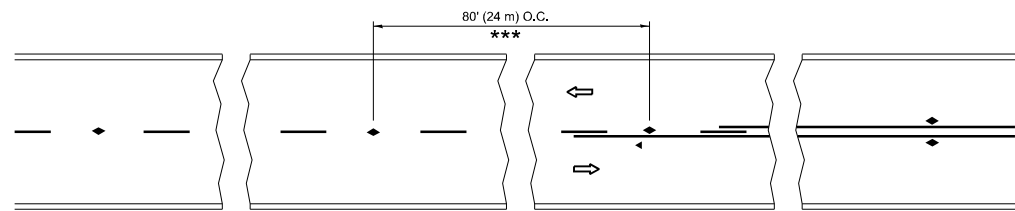
USER NAME = mohammad.hamwi	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 1/29/2026	DATE - 06-89	REVISED - D. SENDERAK 05-03-25

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

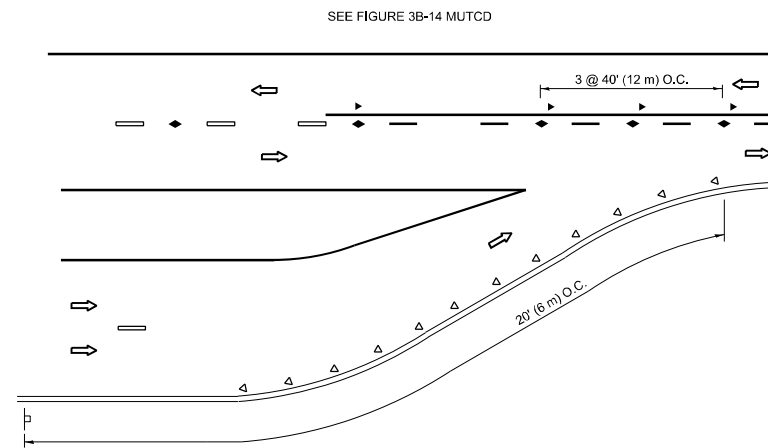
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				

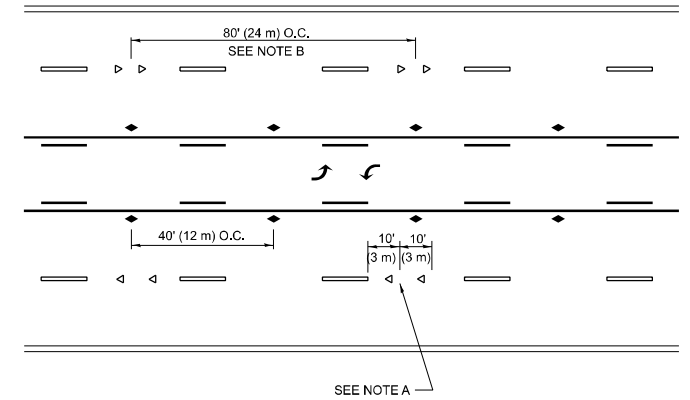


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

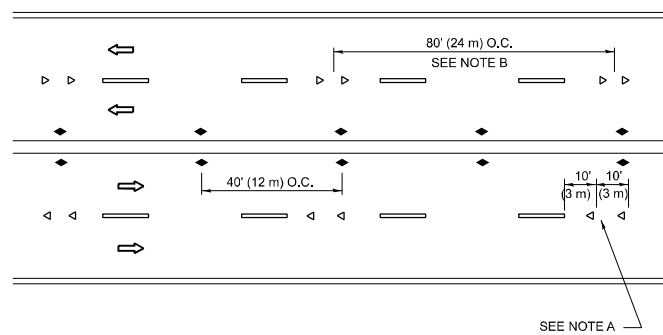
### TWO-LANE/TWO-WAY



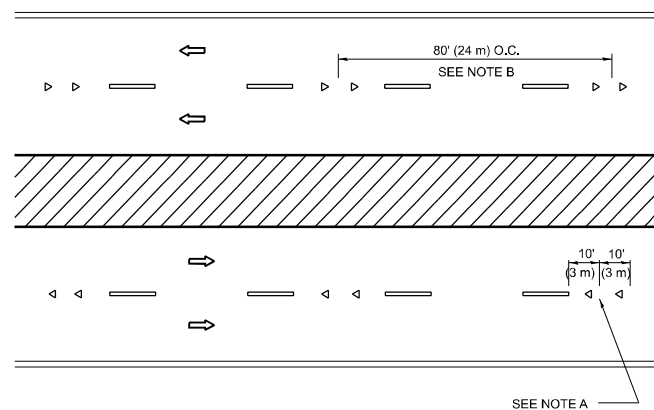
### LANE REDUCTION TRANSITION



### TWO-WAY LEFT TURN



### MULTI-LANE/UNDIVIDED



### MULTI-LANE/DIVIDED

### GENERAL NOTES

- 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

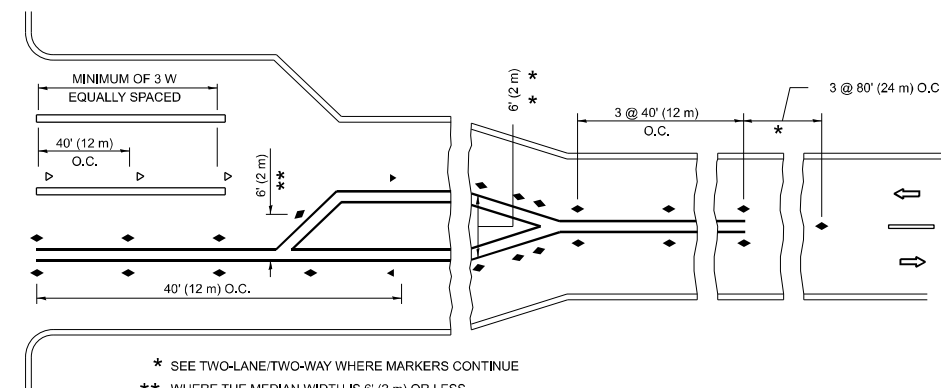
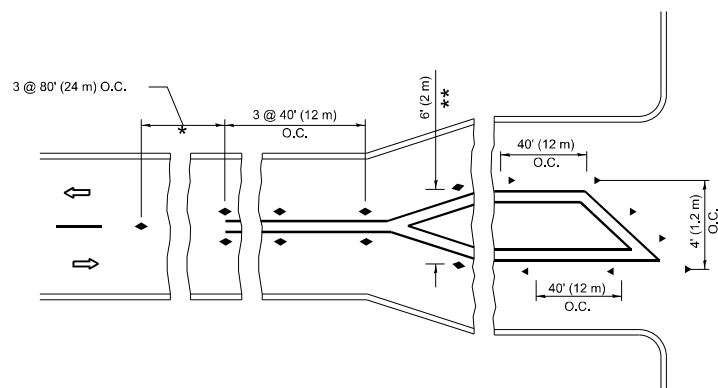
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

### LANE MARKER NOTES

- USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- 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

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

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

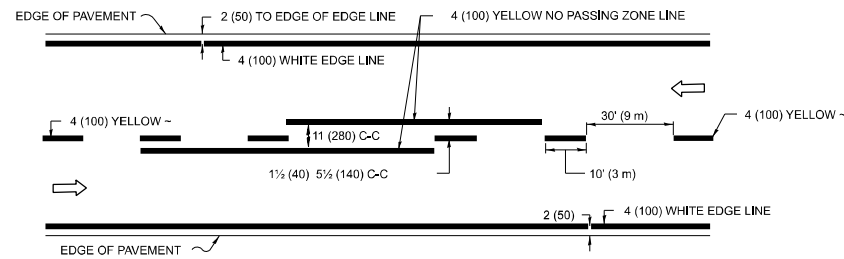
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 1/29/2026	DATE -	REVISED - C. JUCIUS 07-01-13

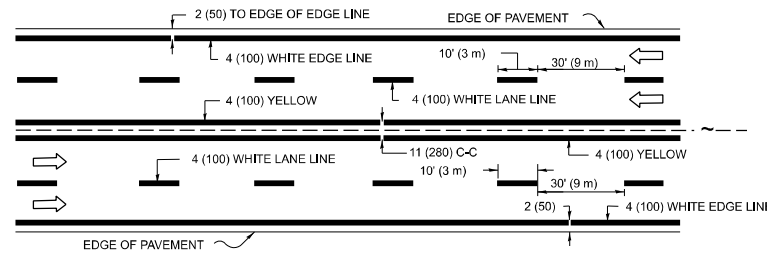
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

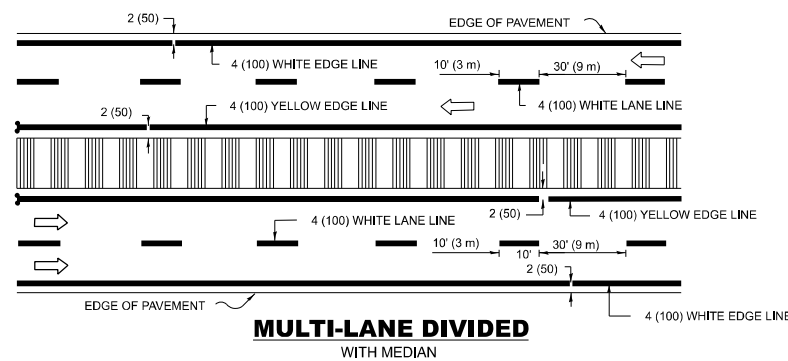
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	52
TC-11			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

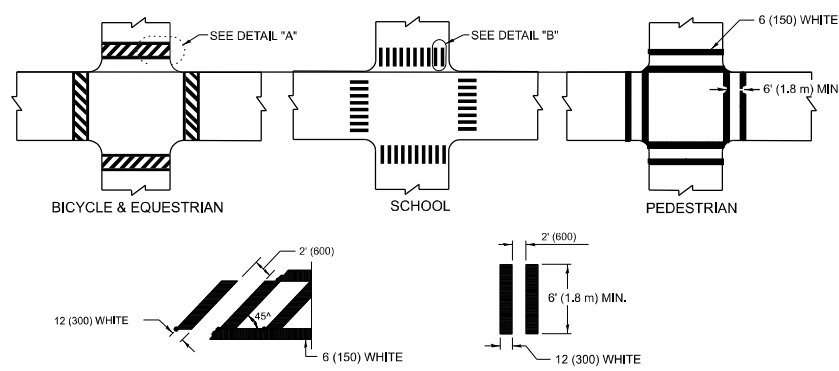


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

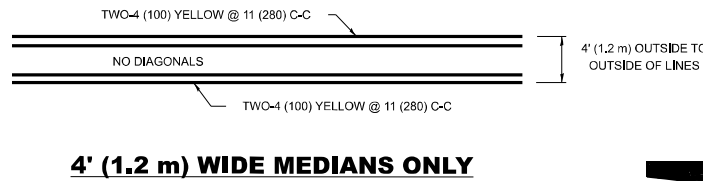


**DETAIL "A"**

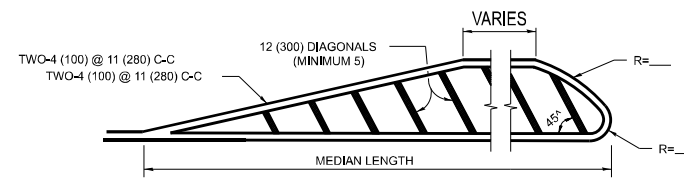
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

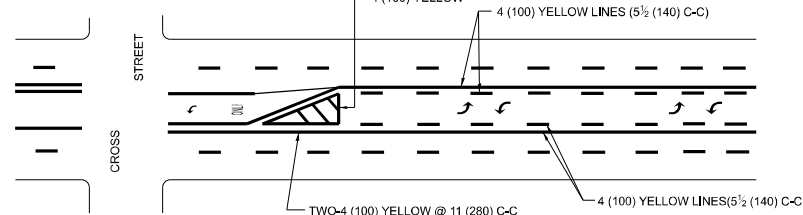


**4' (1.2 m) WIDE MEDIANS ONLY**

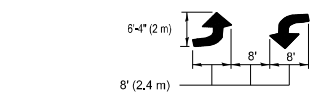


**MEDIANS OVER 4' (1.2 m) WIDE**

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

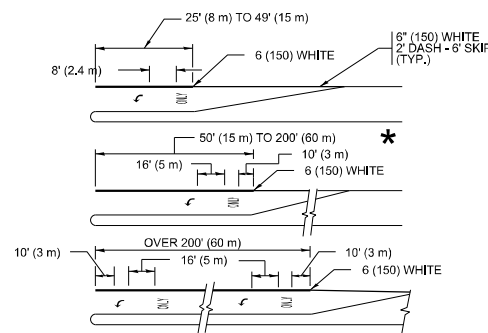


**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

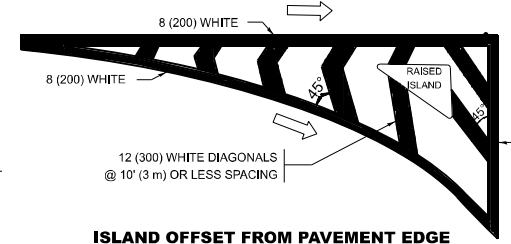
**TYPICAL PAINTED MEDIAN MARKING**



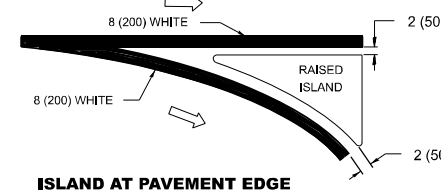
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

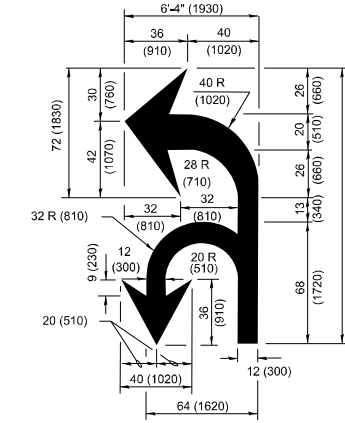


**ISLAND OFFSET FROM PAVEMENT EDGE**

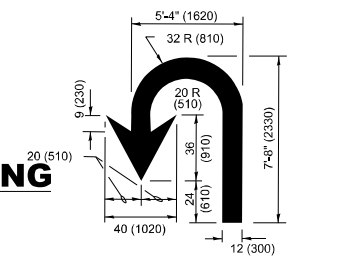


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE-FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 8' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30 MPH (50 km/h) TO 45MPH (70 km/h) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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USER NAME = mohammad.hamwi	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
	CHECKED - C. JUCIUS 04-12-16	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 1/29/2026	DATE - 03-19-90	

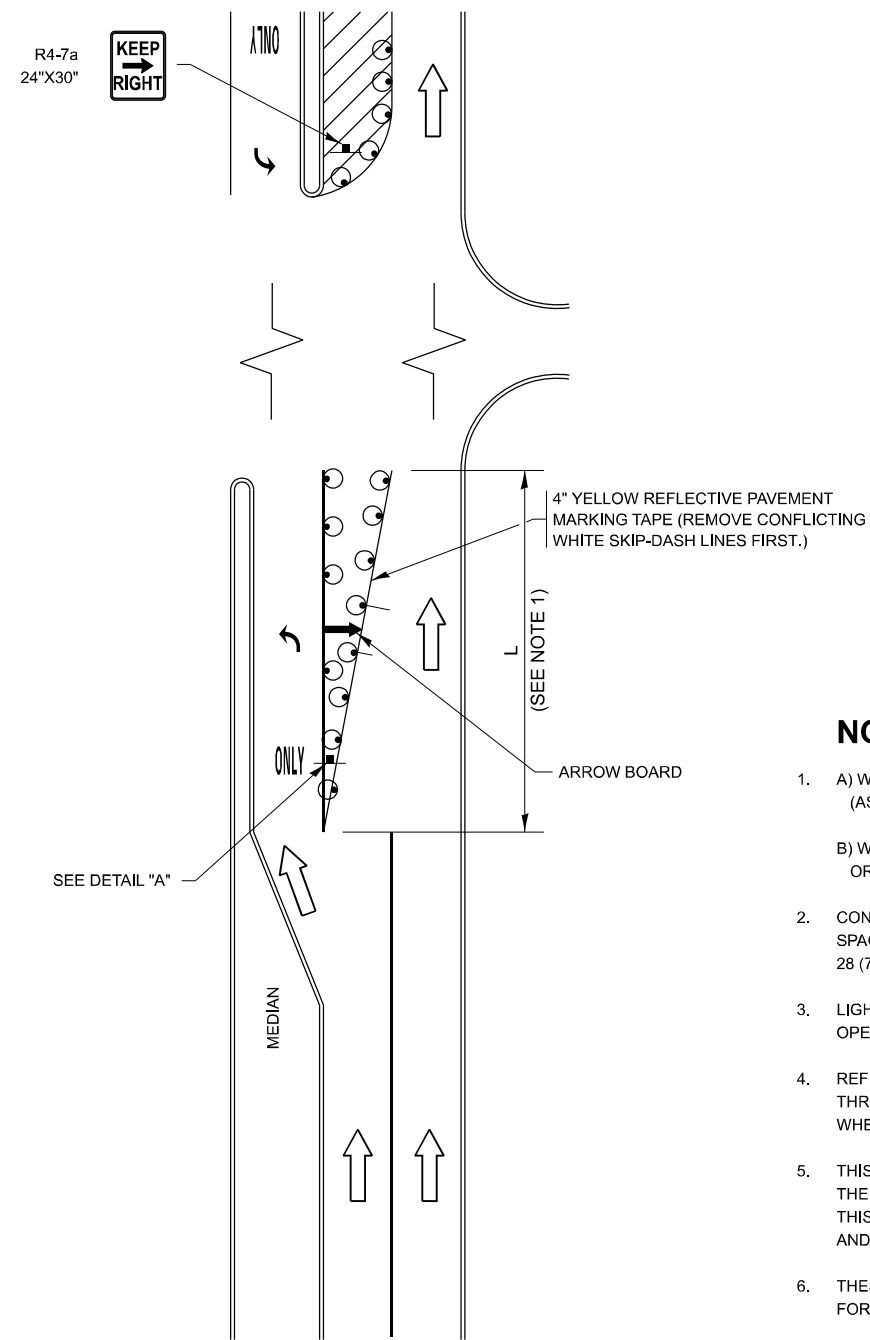
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

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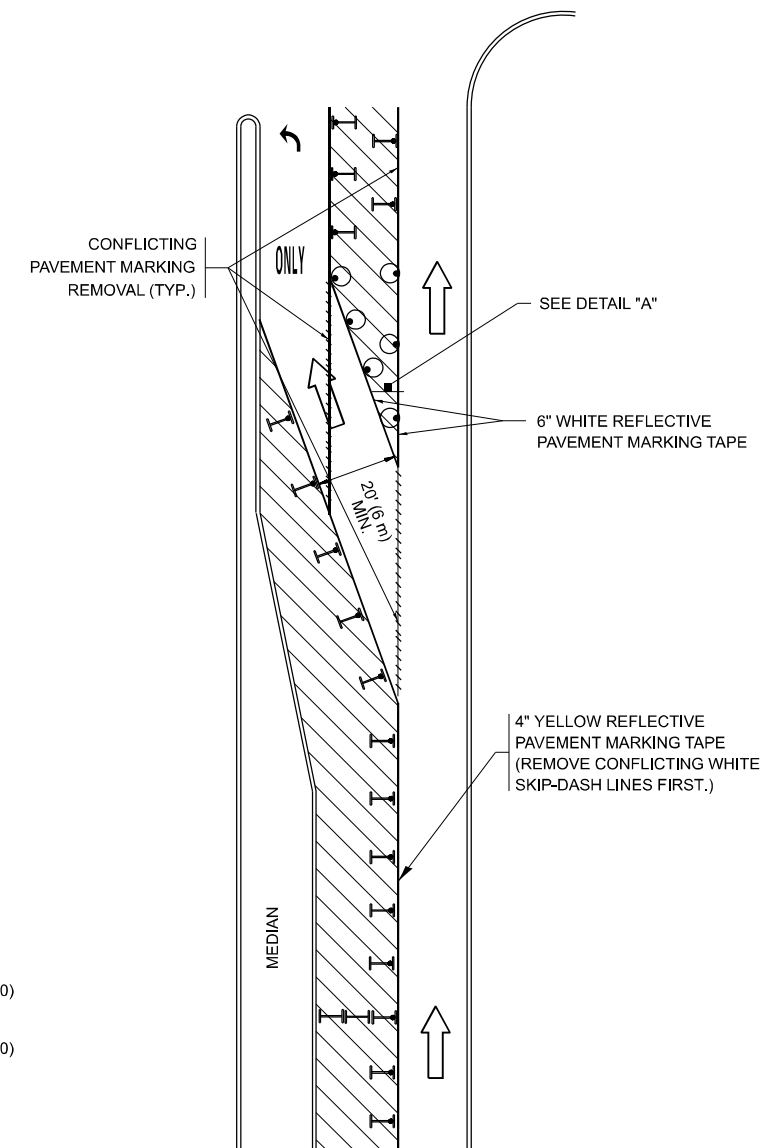
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	53
<b>TC-13</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER










**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



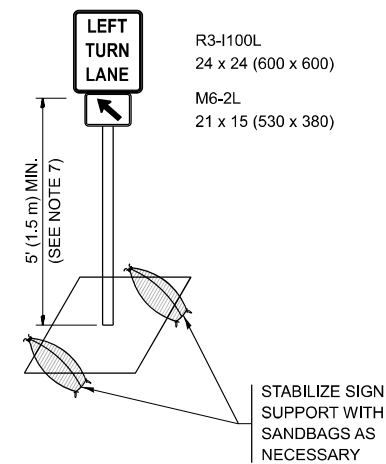
**FIGURE 2**

## LEGEND

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

## NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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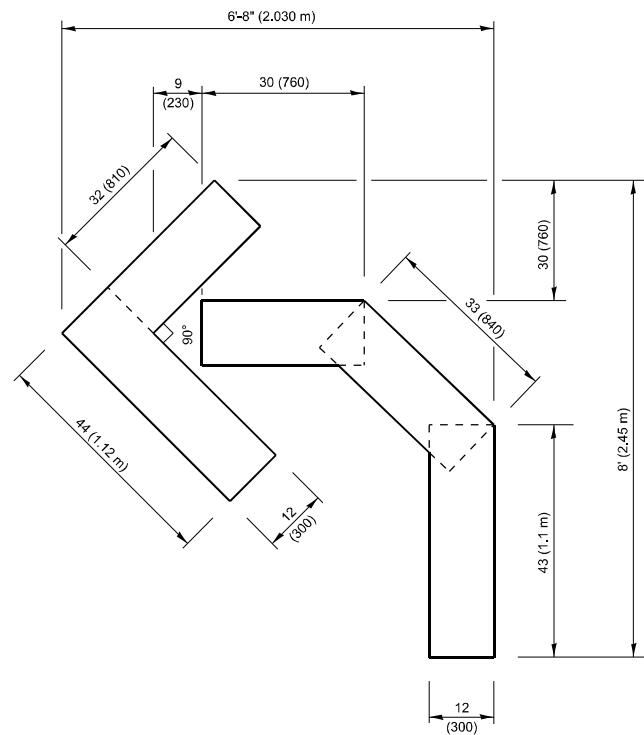
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 1/29/2026	DATE - T. RAMMACHER 01-06-00	REVISED -

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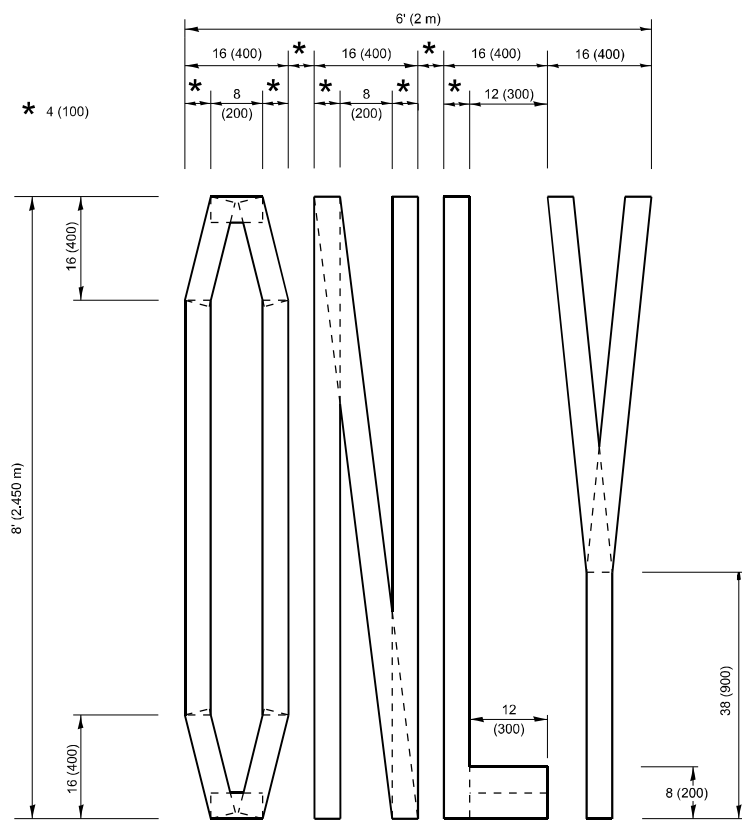
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)**

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

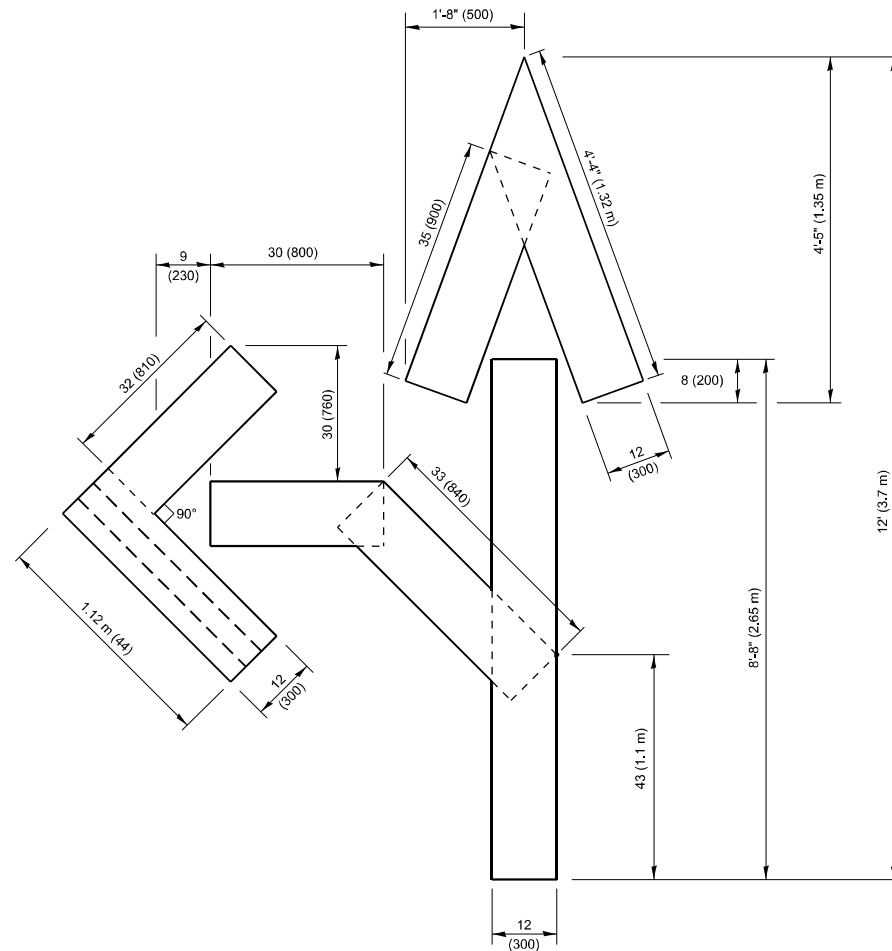
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	54
<b>TC-14</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				



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



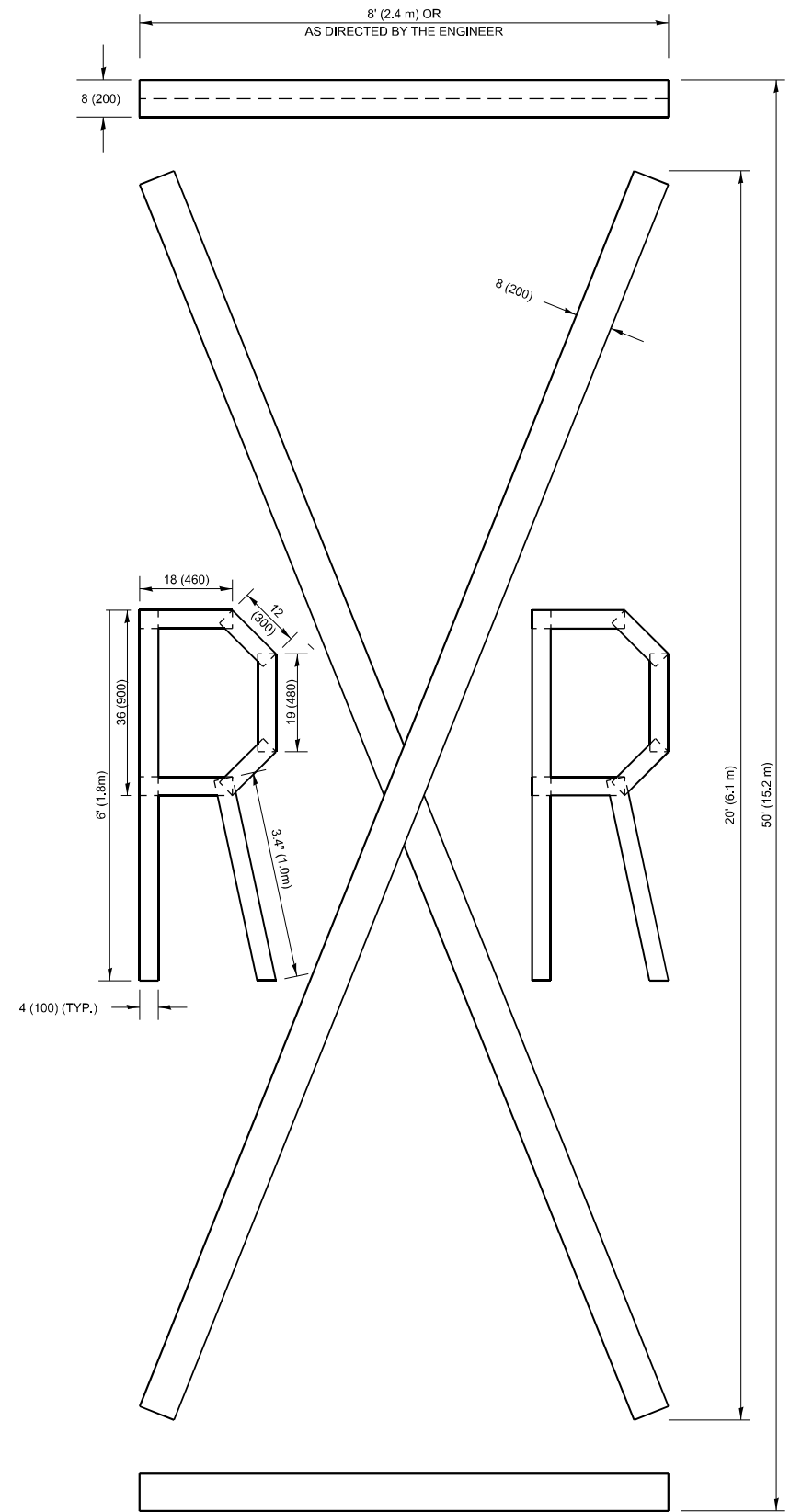
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

**NOTE:**

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



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

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

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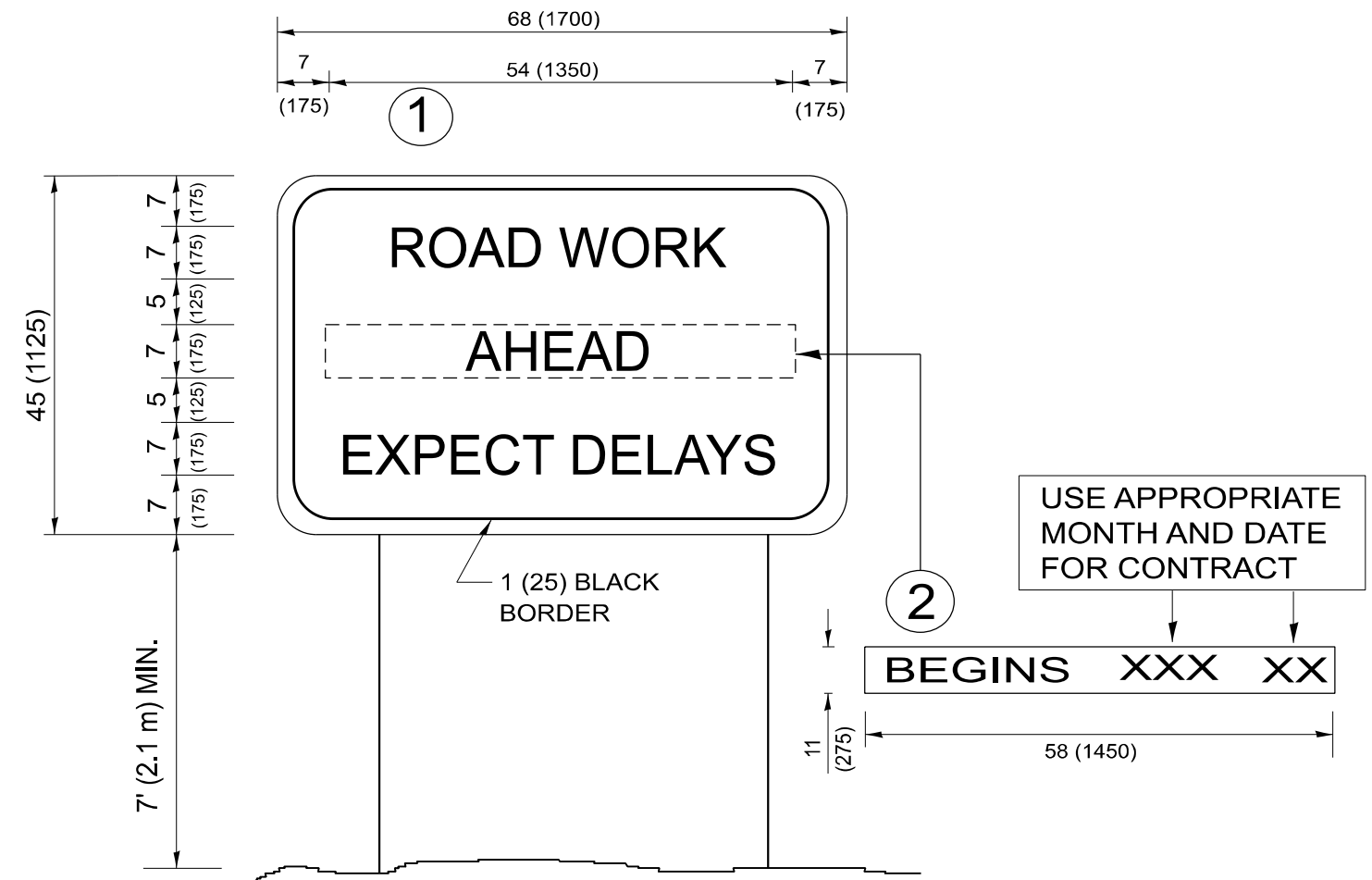
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 1/29/2026	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

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**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	55
<b>TC-16</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

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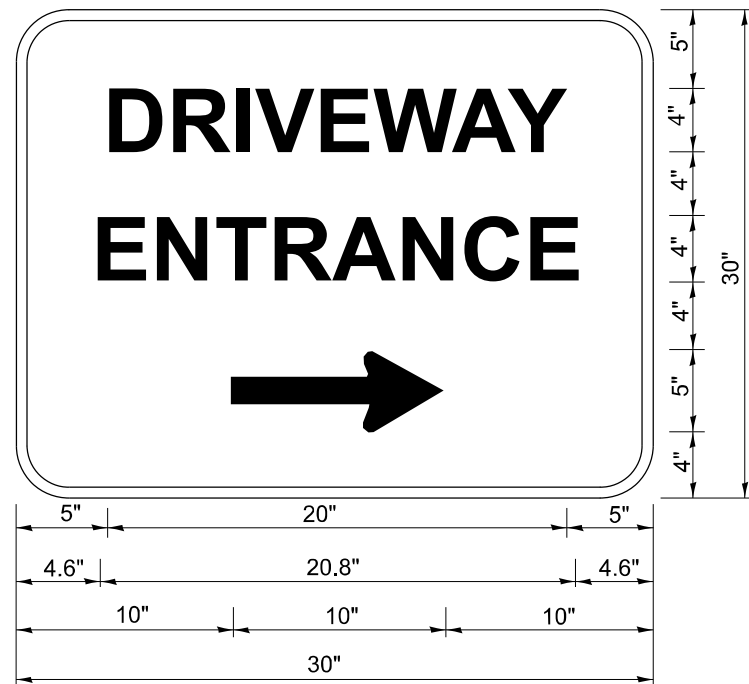
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PLOT DATE = 1/29/2026	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	56
<b>TC-22</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				



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

**NOTES:**

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

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	57
<b>TC-26</b>			CONTRACT NO. 62V71	
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		
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS		
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 CROSSING GATE			ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD CROSSBUCK			ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CONTROLLER BUNGALOW			SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	  	  
CELLULAR MODEM			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C		
TELEPHONE CONNECTION			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			ELECTRIC CABLE, TRACER, NO. 14, 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			SYSTEM ITEM	S	SP	ELECTRIC CABLE, RAILROAD, NO. 14, 3/C		
ALUMINUM MAST ARM ASSEMBLY AND POLE			INTERSECTION ITEM	I	IP	ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			REMOVAL ITEM		R	VENDOR CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			RELOCATE ITEM		RL	EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C		
WOOD POLE			ABANDON ITEM		A	OUTDOOR RATED NETWORK CABLE		
GUY WIRE			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF	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			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	   	   
SIGNAL HEAD WITH BACKPLATE			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
SIGNAL HEAD - PROGRAMMABLE			DETECTOR LOOP, TYPE I		 			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	PREFORMED DETECTOR LOOP	 	 			
PEDESTRIAN SIGNAL HEAD			WIRELESS DETECTOR SENSOR					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON								
RADAR DETECTION 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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PLOT DATE = 1/29/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

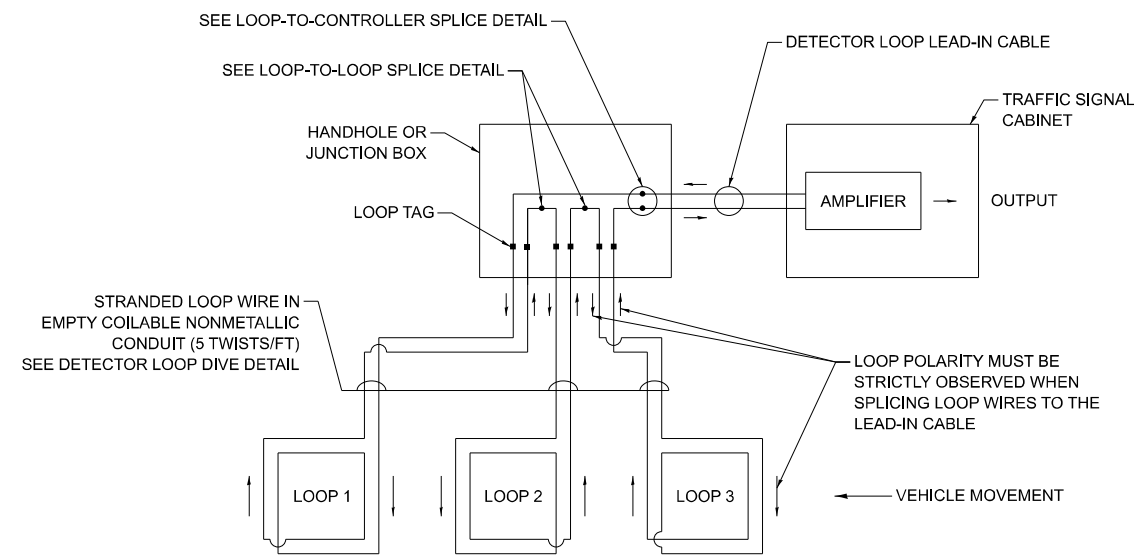
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE    SHEET 1 OF 7 SHEETS    STA. TO STA.

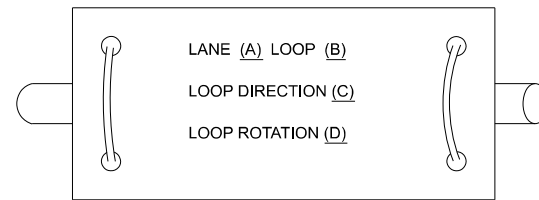
F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 58
<b>TS-01</b>		CONTRACT NO. 62V71		
ILLINOIS FED. AID PROJECT				

## 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.

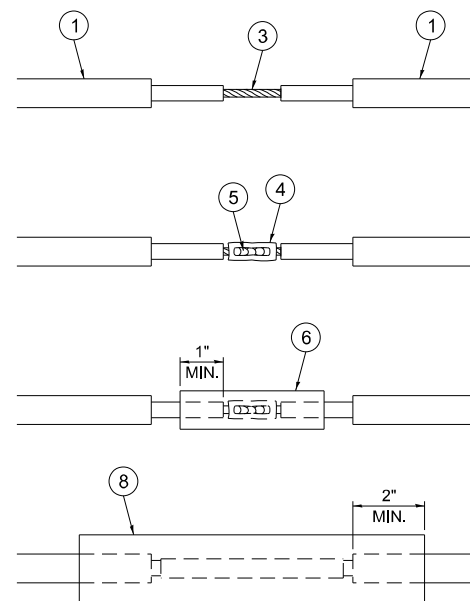


**DETECTOR LOOP WIRING SCHEMATIC**



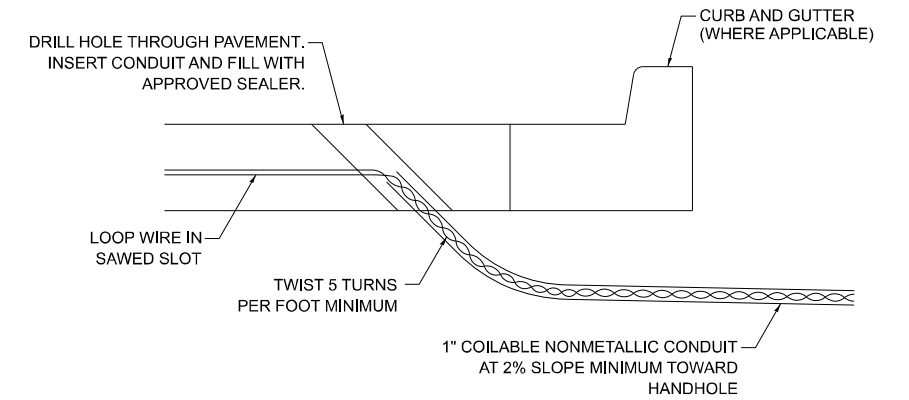
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

## DETECTOR LOOP LEAD-IN CABLE TAG

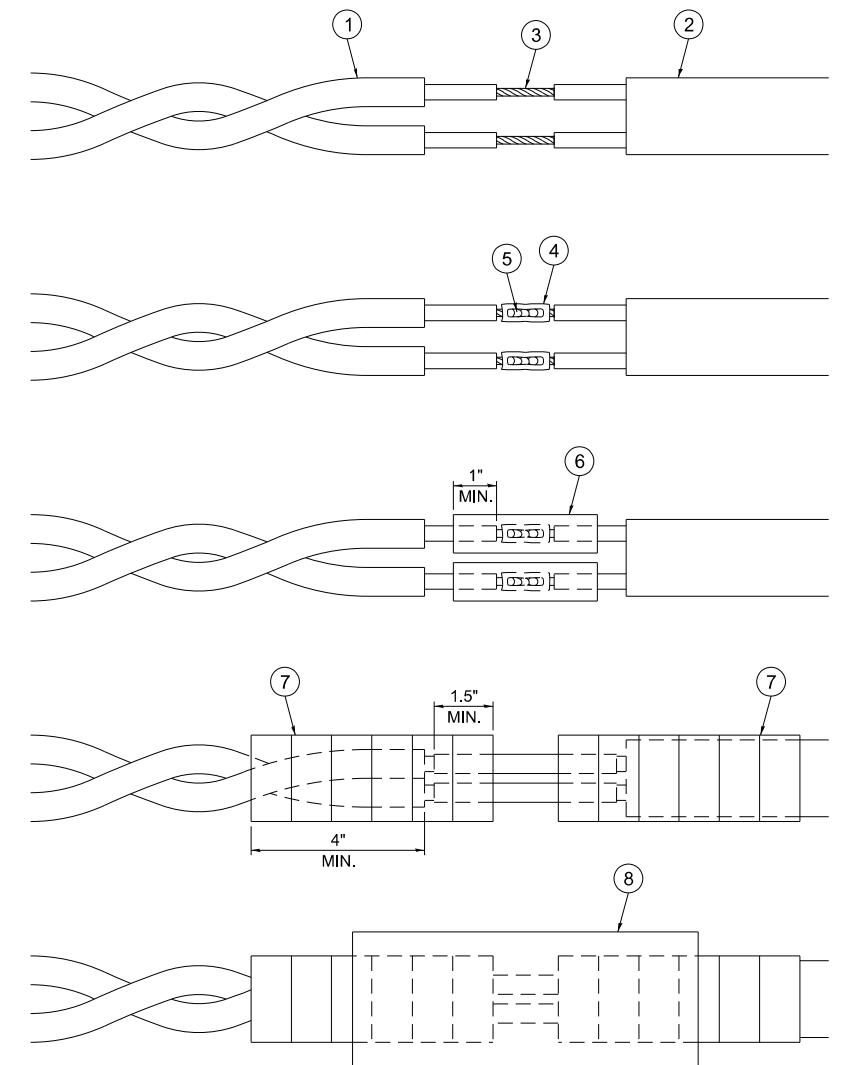


## LOOP-TO-LOOP SPLICE DETAIL

- 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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	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/29/2026	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

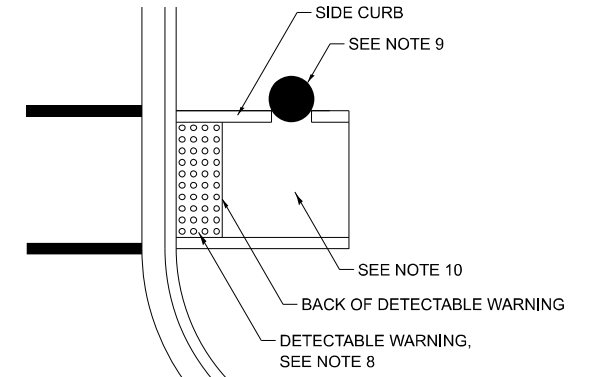
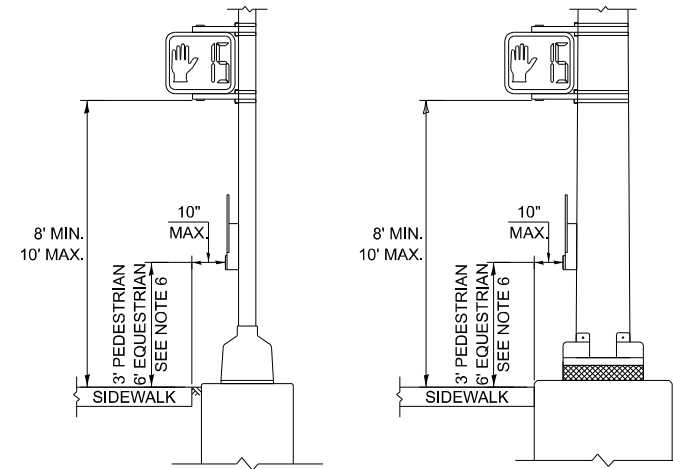
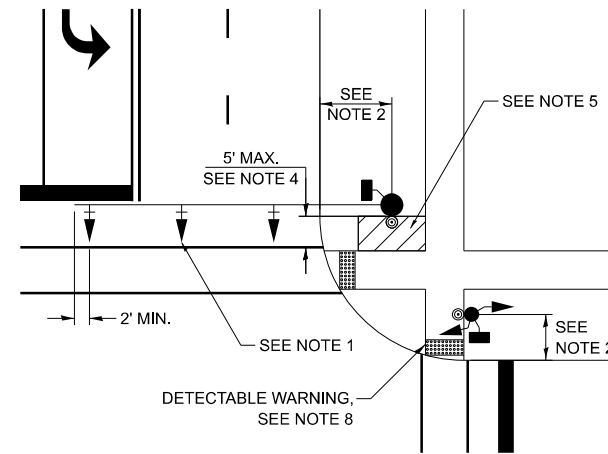
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F.A.P. RTE. 577	SECTION FAP 0577 23 SMART	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 59
TS-01		CONTRACT NO. 62V71		
ILLINOIS FED. AID PROJECT				

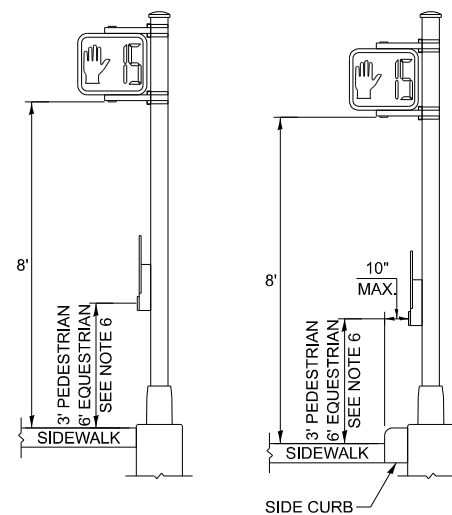
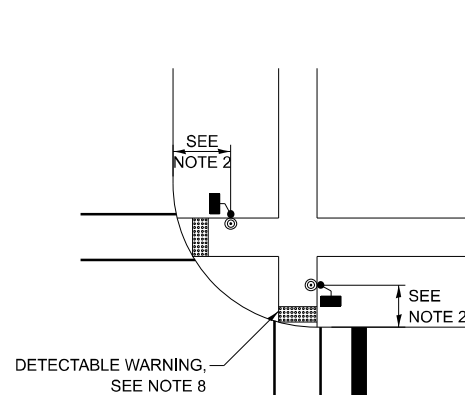
**NOTES:**

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 SHALL 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.

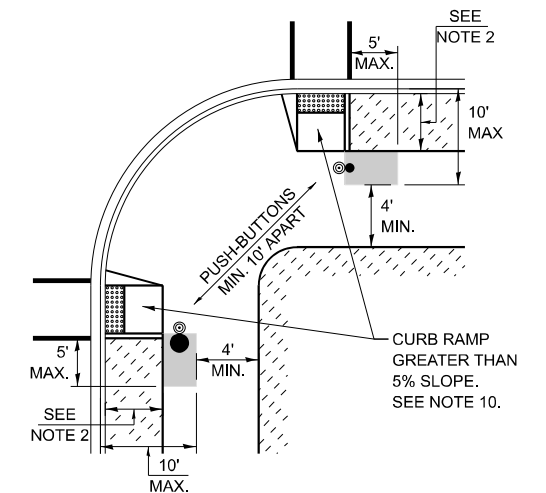
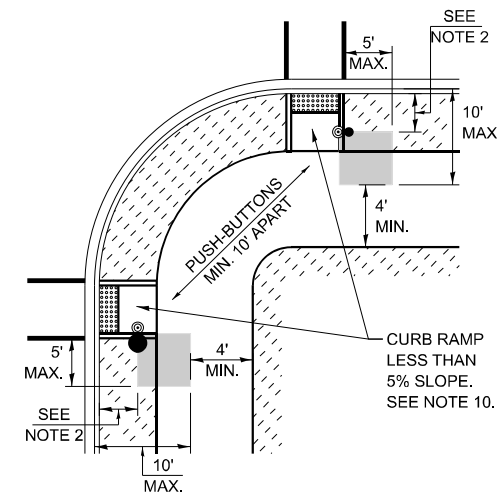
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**



**PEDESTRIAN SIGNAL POST**



**PUSH-BUTTON LOCATIONS**



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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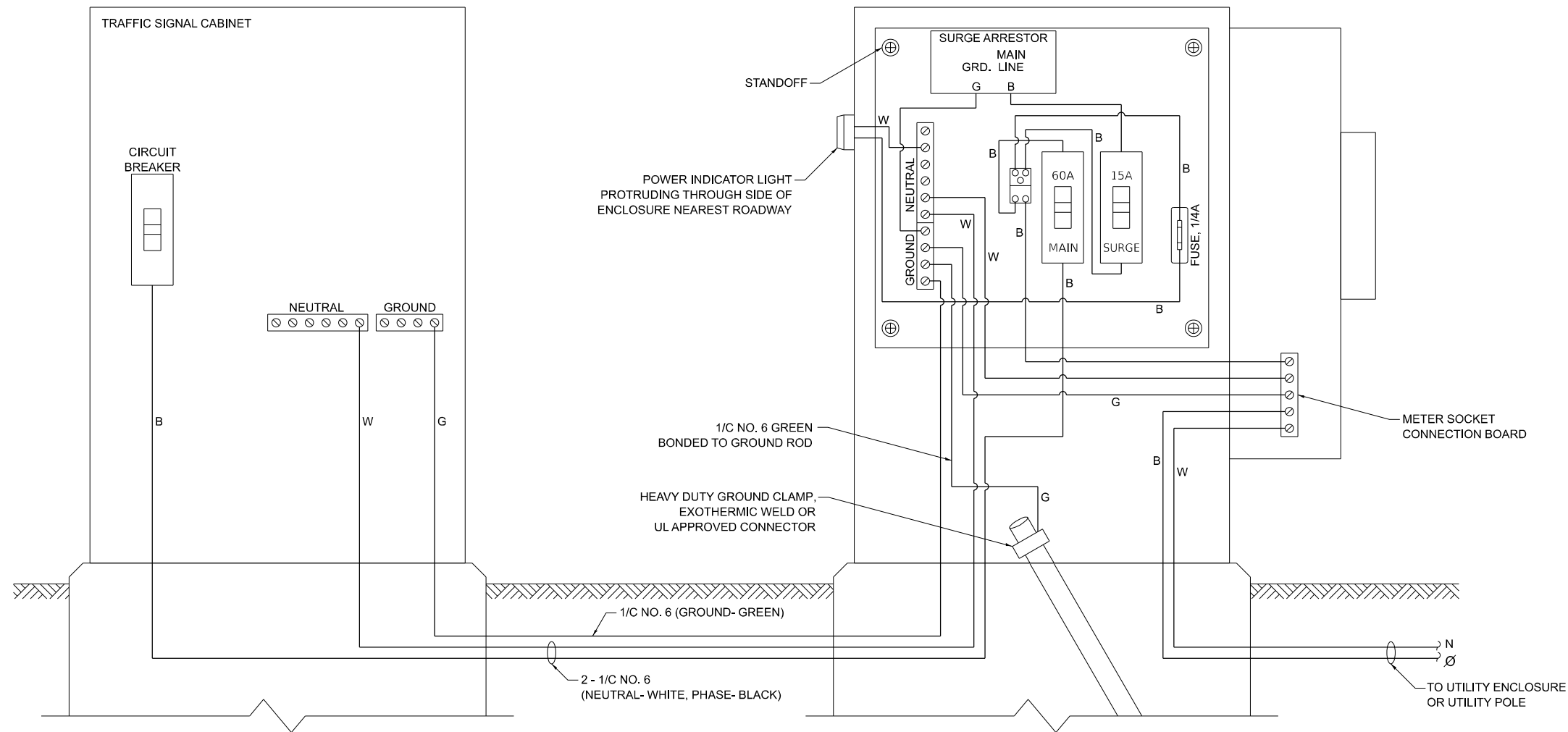
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	CHECKED - NB/KK	REVISED -
PLOT DATE = 1/29/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

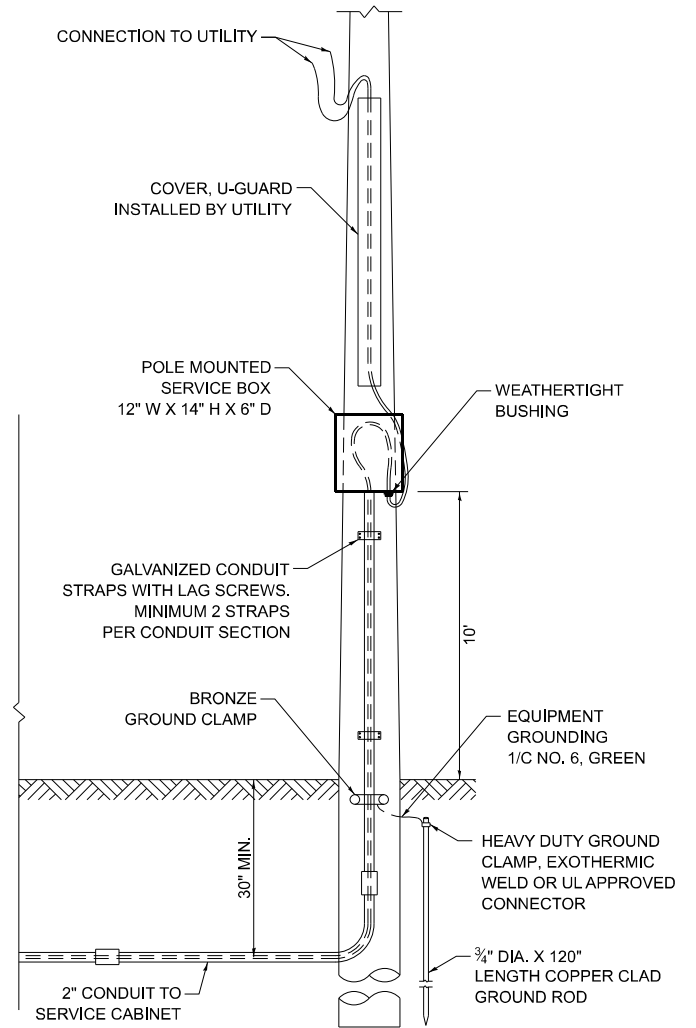
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-01</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				



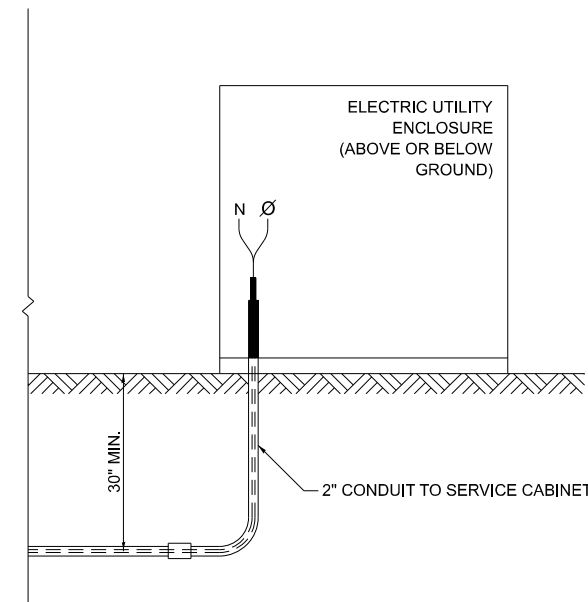
**ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET**

**NOTES:**

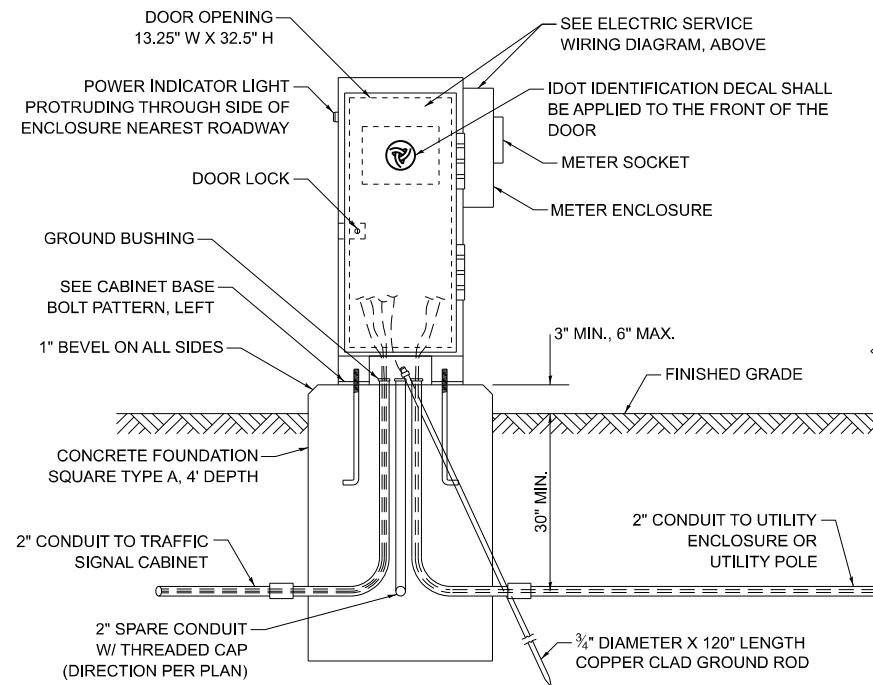
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. 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.



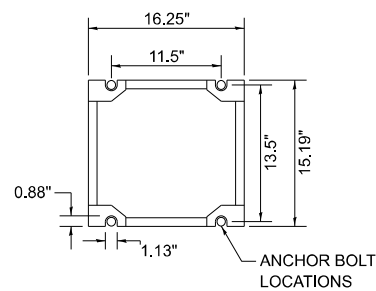
**CONNECTION TO UTILITY POLE**



**CONNECTION TO UTILITY ENCLOSURE**



**SERVICE INSTALLATION - GROUND MOUNTED WITH METER**



**CABINET BASE BOLT PATTERN**

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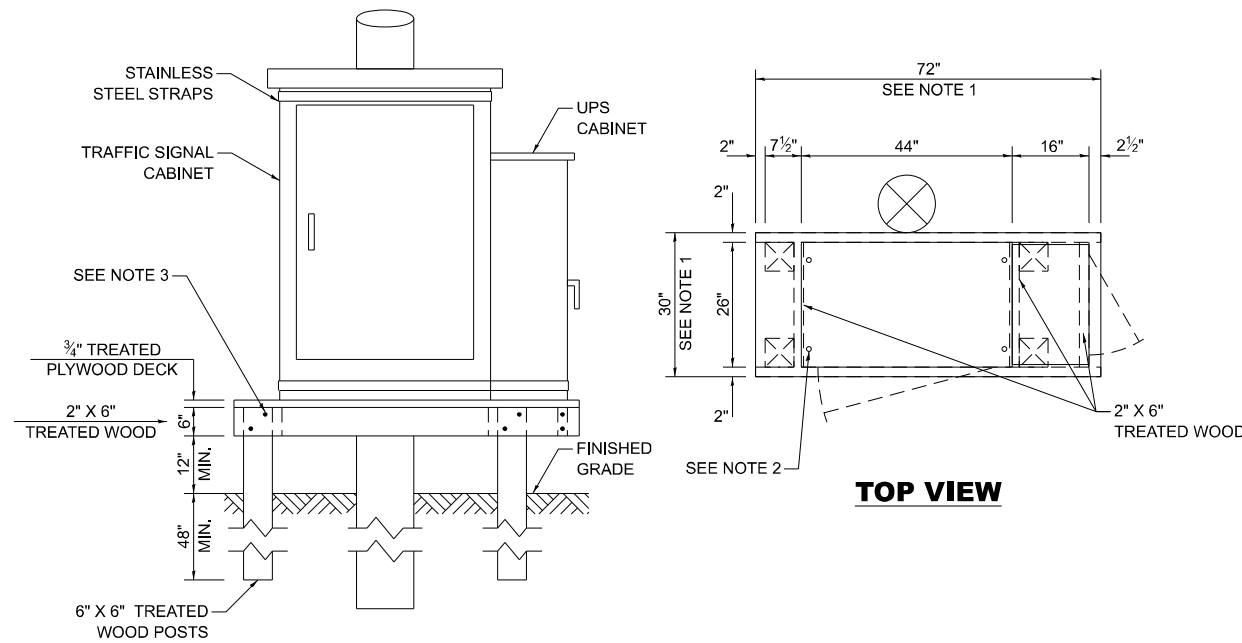
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

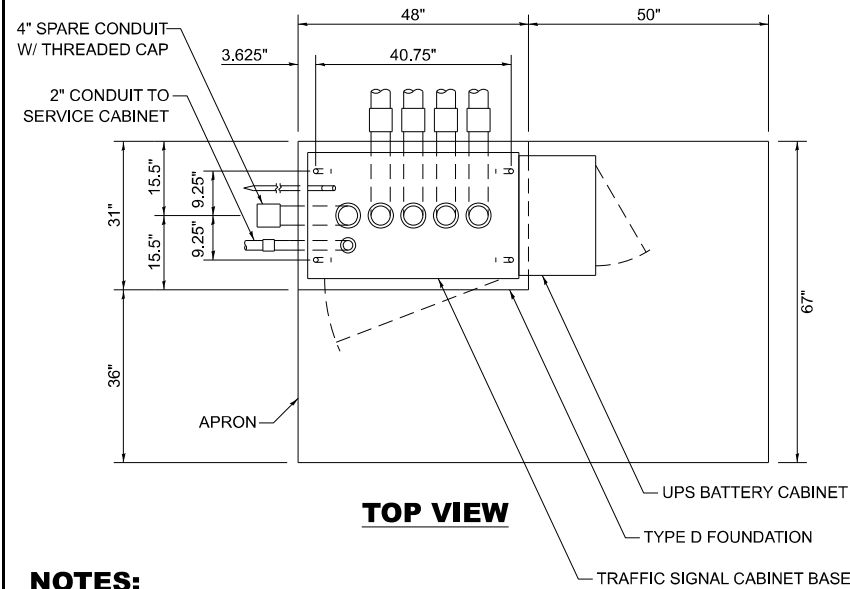
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<b>TS-01</b>		CONTRACT NO. 62V71		
ILLINOIS FED. AID PROJECT				



**NOTES:**

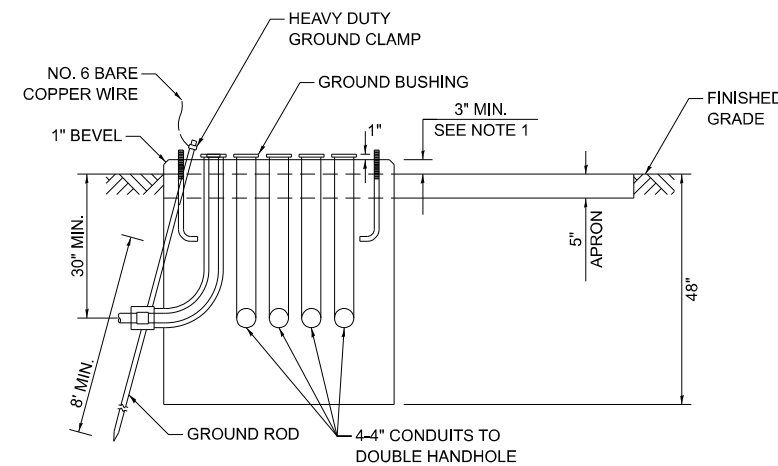
1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" X 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" X 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH 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**

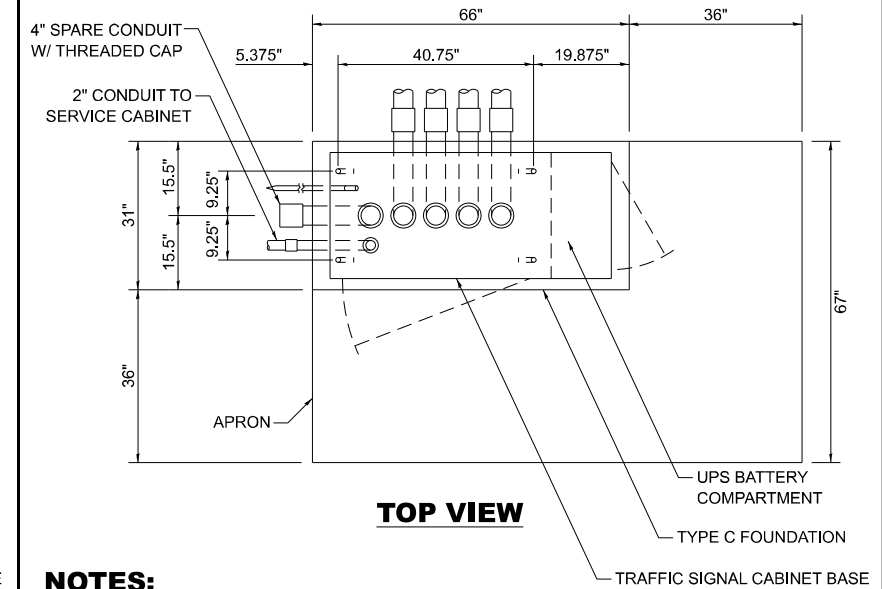


**NOTES:**

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

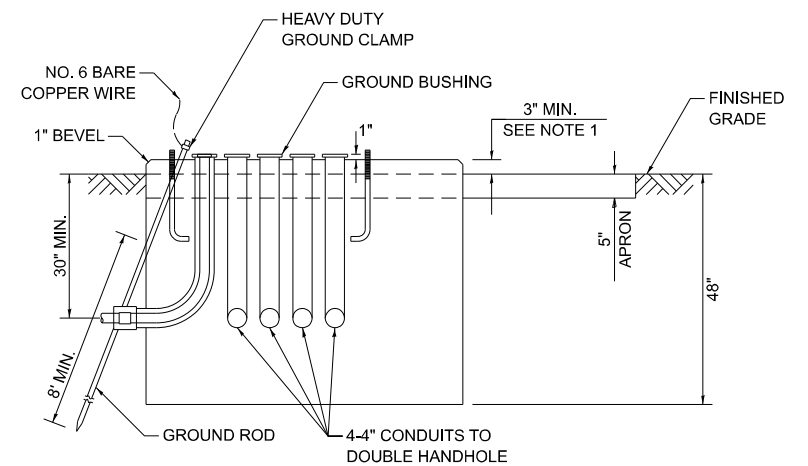


**TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET**



**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**

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**

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**

**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.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

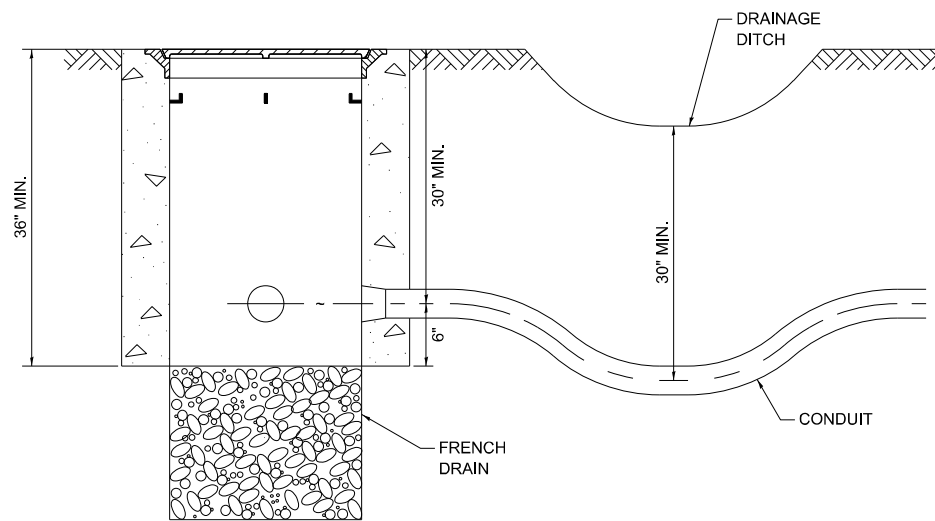
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-01			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				

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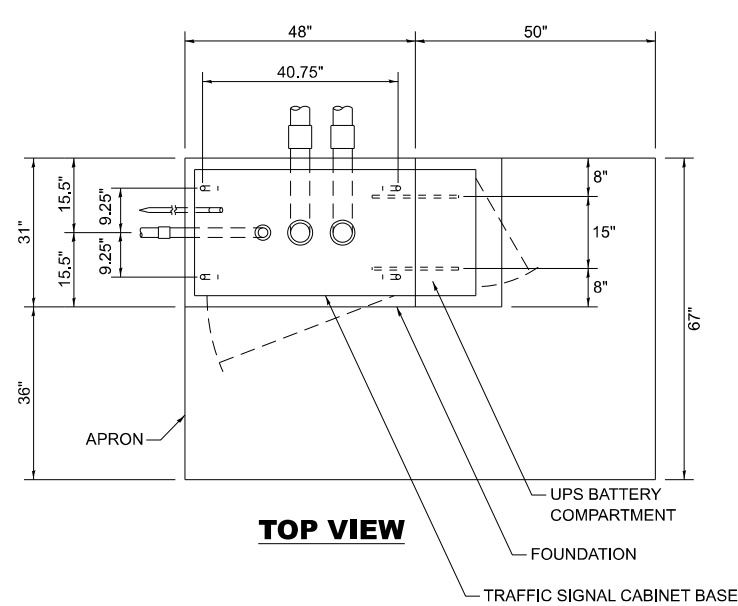
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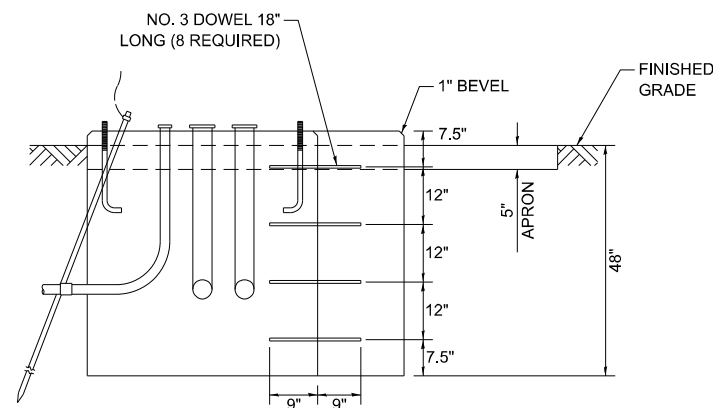
**NOTES:**

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.

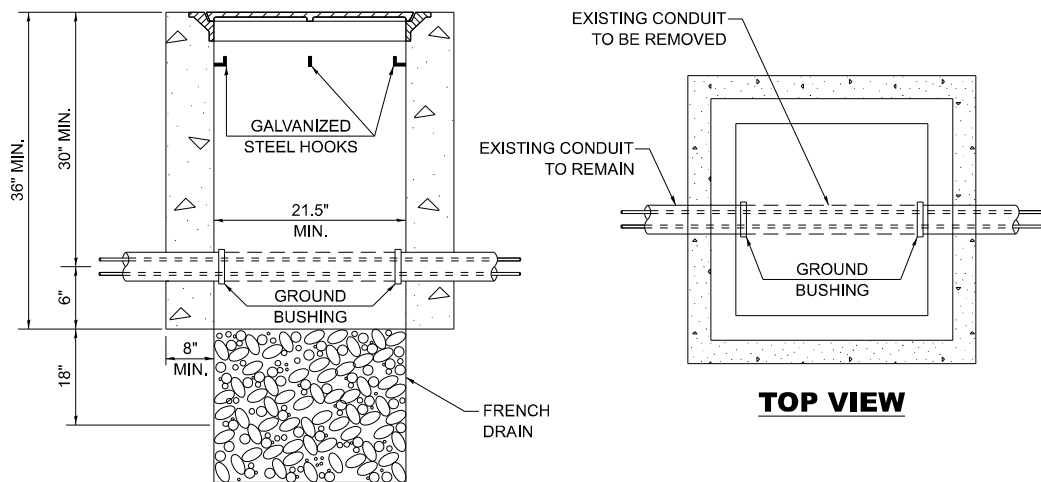
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**



**TOP VIEW**



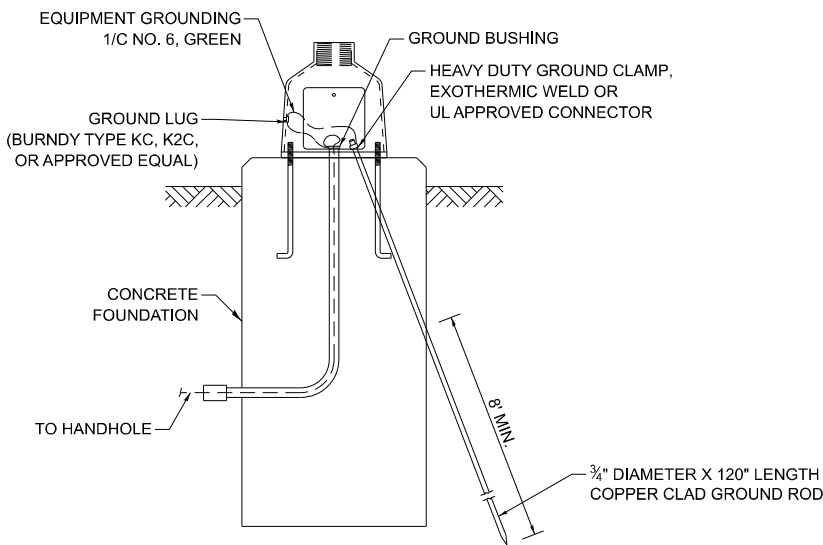
**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**



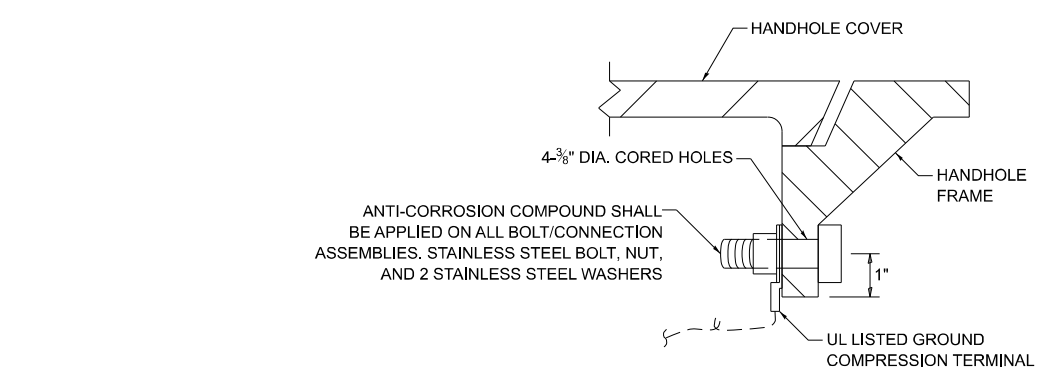
**NOTES:**

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

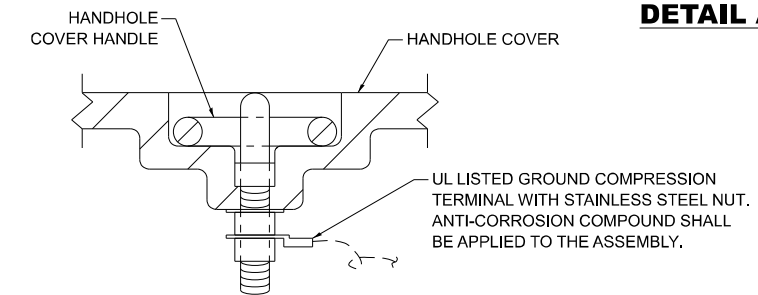
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**



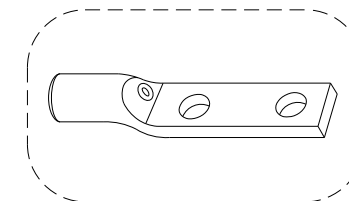
**MAST ARM / POST GROUNDING DETAIL**



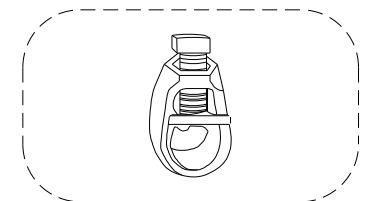
**DETAIL A**



**DETAIL B**



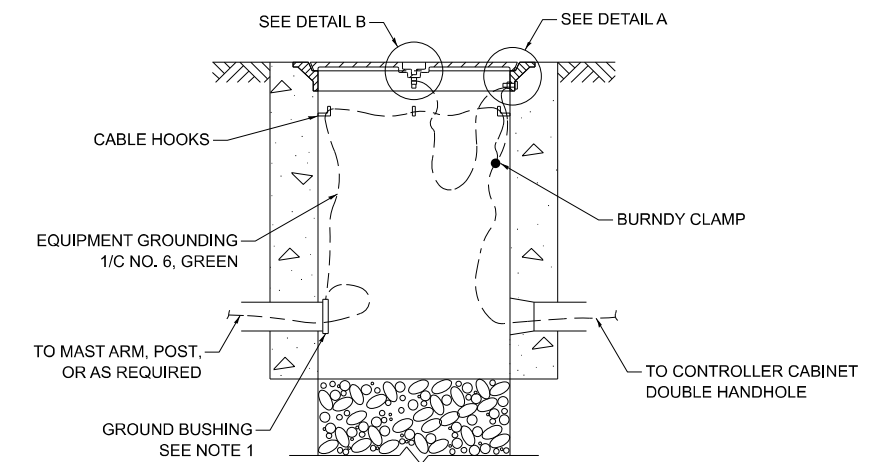
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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

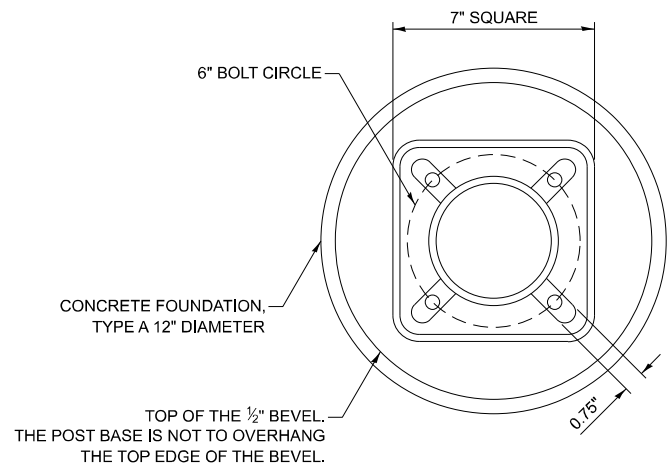
**NOTES:**

1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDED.
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**

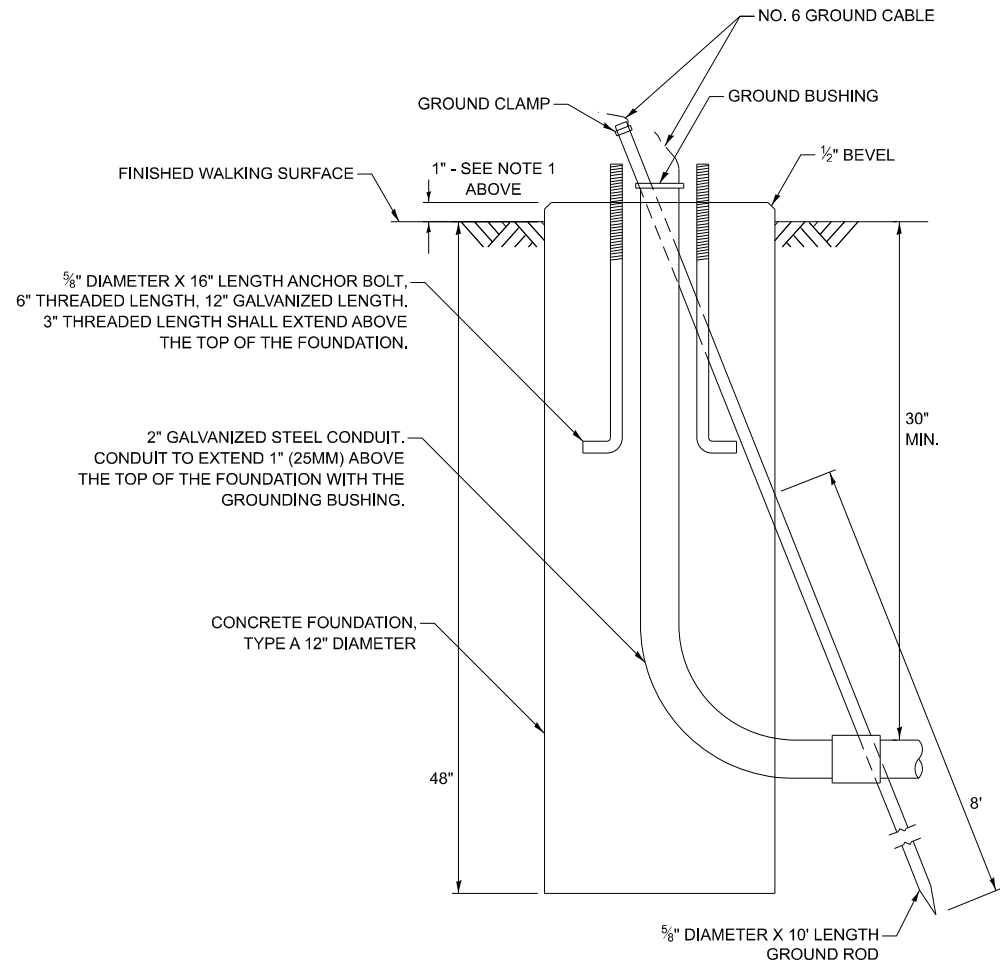
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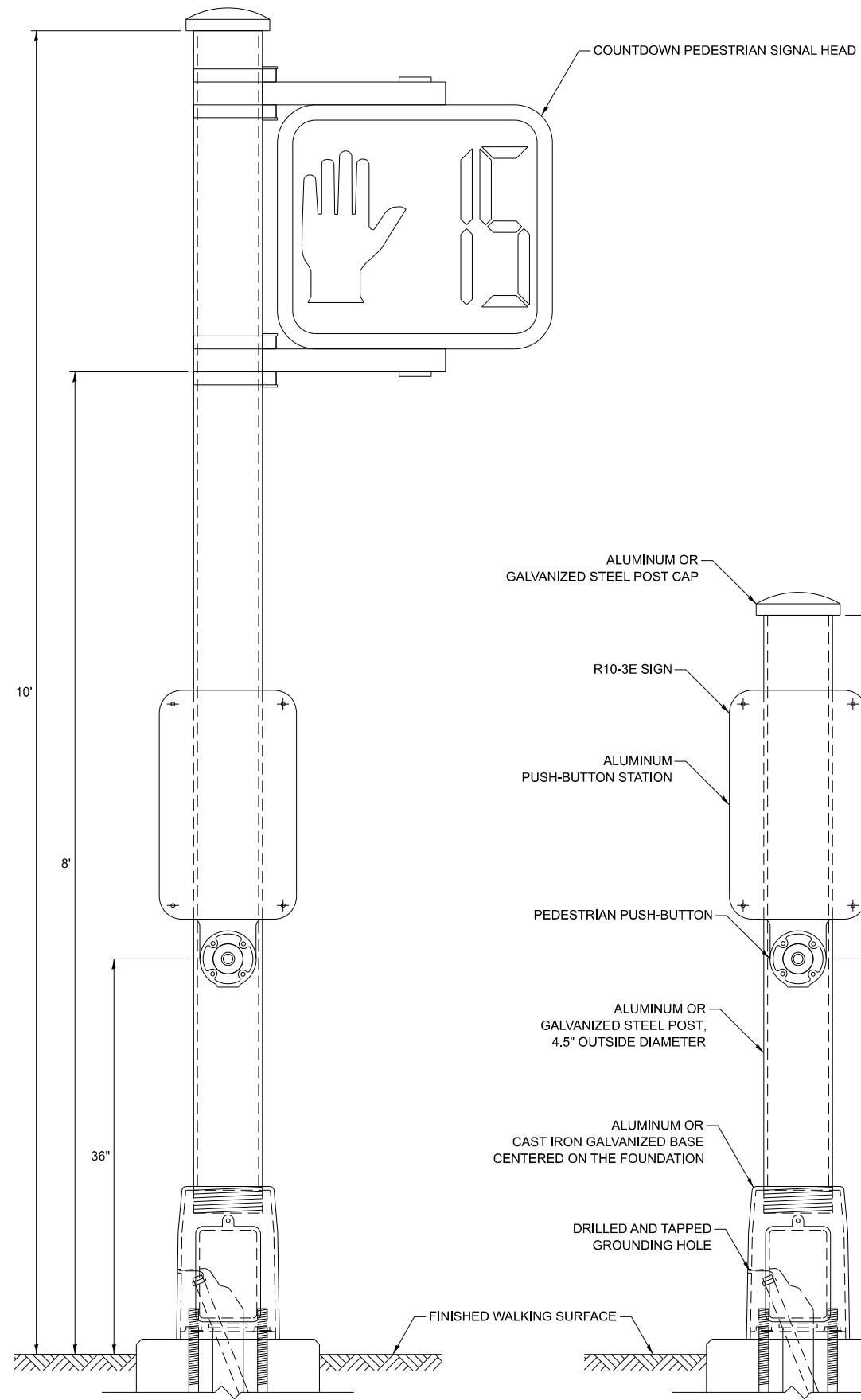
**BOLT PATTERN**

**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.

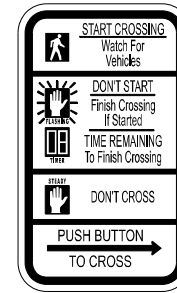


**CONCRETE FOUNDATION,  
TYPE A 12-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**

**PEDESTRIAN SIGNAL POST, 5 FT.**



R10-3E  
9" X 15"



W10-101  
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 W10-101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

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

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	FAP 0577 23 SMART	WILL	64	64
<b>TS-01</b>			CONTRACT NO. 62V71	
ILLINOIS FED. AID PROJECT				