

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	66	1
		ILLINOIS	CONTRACT NO. 80C49	

\* 56 + 1 = 57 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGE OF LEMONT.

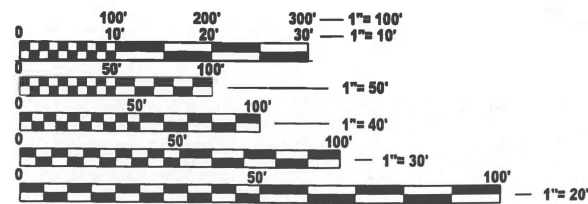
**PROPOSED  
HIGHWAY PLANS**  
FAP. ROUTE 577: IL 171 (ARCHER AVENUE)  
WILL CO LINE TO 123RD ST / McCARTHY RD  
SECTION 2025-2106-RS  
PROJECT: NHPP-3AA9(224)  
DESIGNED OVERLAY, NEW SHOULDERS, ADA IMPROVEMENTS  
COOK COUNTY

C-91-132-26

**TRAFFIC DATA:**

FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL

IL 171 (ARCHER AVE)  
PROJECT BEGINS TO McCARTHY RD  
ADT (2025) = 16,100 VPD  
SPEED LIMIT = 45-50 MPH

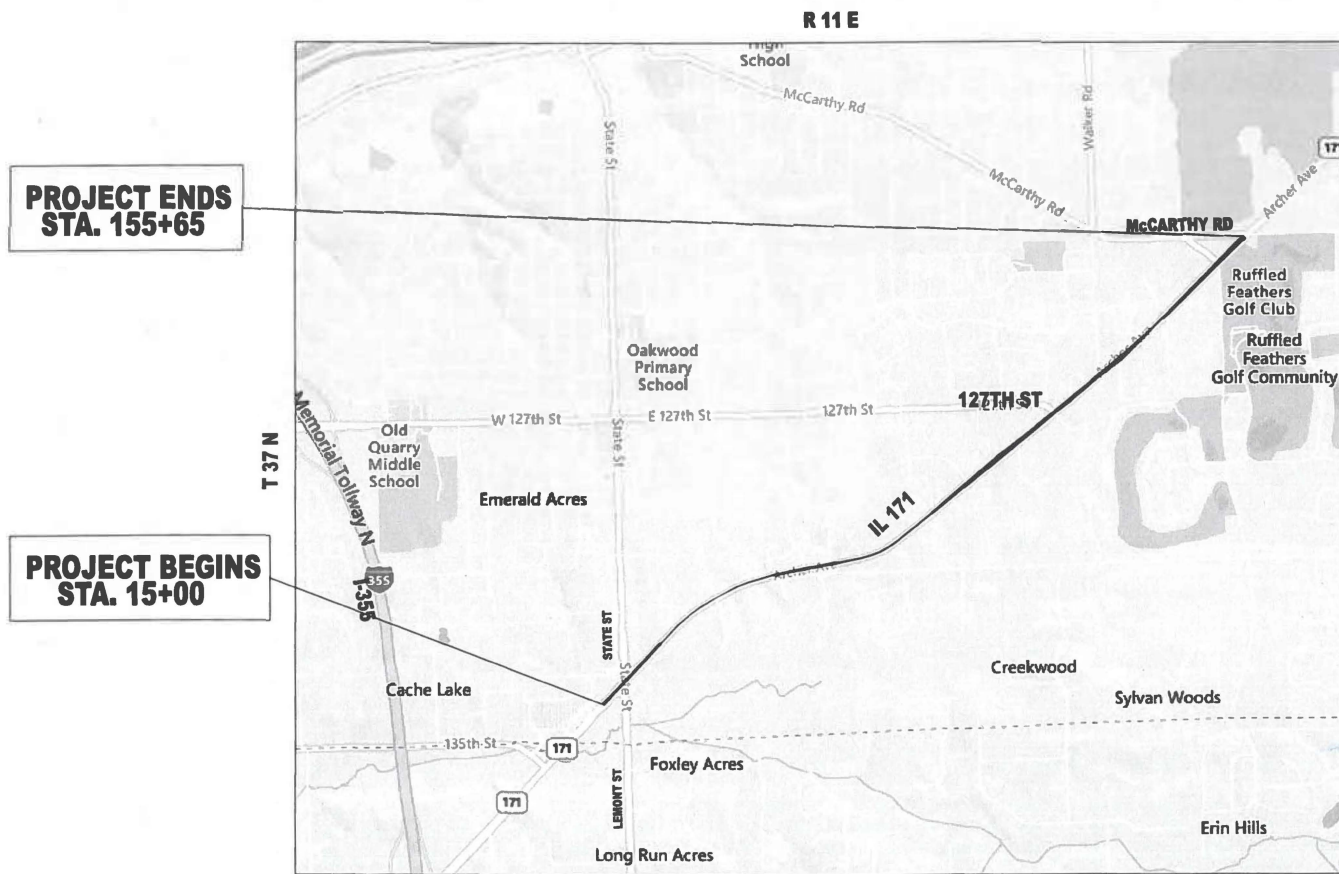


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 80C49



PROJECT ENDS  
STA. 155+65

PROJECT BEGINS  
STA. 15+00

LEMONT TOWNSHIP  
GROSS & NET LENGTH = 14,065 FT. = 2.66 MILES



LOCATION OF SECTION INDICATED THUS: - [Red Arrow]

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED Jan 28<sup>th</sup> 2026  
Joseph Rios IR  
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

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## STATE STANDARDS

STANDARD NO.	DESCRIPTION
00001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
482011-03	HMA SHOULDERS STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-05	FRAME AND LIDS TYPE 1
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

## GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF LEMONT, WITHIN COOK COUNTY.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. 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.
5. 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.
6. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS AREA TRAFFIC FIELD TECHNICIAN, AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
7. 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.
8. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.
9. PAVEMENT MARKING TAPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
10. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
11. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
13. THE CONTRACTOR SHALL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171 AT LEAST 2 WEEKS IN ADVANCE OF WORK FOR LAYOUT OF THE FORESTRY WORK AND LANDSCAPING ITEMS THAT DON'T HAVE LOCATIONS SPECIFIED IN THE PLANS SUCH AS WEED CONTROL, TREE CARE AND MULCH PLACEMENT.
14. ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, SIDEWALK REMOVAL, P.C.C. SIDEWALK 5", DRIVEWAY REMOVAL AND REPLACEMENT, BRICK PAVER REMOVAL AND REINSTALL, AND DRAINAGE ADJUSTMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
15. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
16. 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.
17. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHS WHERE THE SPEED LIMIT IS 40 MPH OR LESS, AND 1 INCH. WHERE THE SPEED LIMIT IS OVER 40 MPH WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

**SEE SHEET 3 FOR CONTINUATION**

MODEL: GenNotesSh01 [Sheet]  
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USER NAME = Nedat.Qarut	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD INDEX OF SHEETS, STATE STANDARDS &amp; GENERAL NOTES</b>	SCALE:	SHEET	OF 2	SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED -	PLOT SCALE = 0.16666833' / in.			CHECKED -	REVISED -	577	2025-2106-RS	COOK	56	2					
PLOT DATE = 1/30/2026	DATE -	REVISED -			CONTRACT NO. 80C49											
												ILLINOIS	FED. AID PROJECT			

## GENERAL NOTES CONTINUED

18. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
19. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
20. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

## GEOTECHNICAL NOTES

1. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
2. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
3. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER 9 INCHES SHALL BE CS 1 OR RR1.
4. THE AGGREGATE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
5. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.

## MAINTENANCE OF TRAFFIC NOTES

1. WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT AT A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY WILL NOT BE ALLOWED AT LOCATIONS WHERE THE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE NEAREST OPEN TRAFFIC LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC, THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DROP-OFF TO LESS THAN THE SPECIFIED MAXIMUM DROP-OFF DEPTH SHOWN IN TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY AND ENSURE THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES / DRUMS AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. IF THE ABOVE REQUIREMENTS CAN'T BE MET, AND IT IS DETERMINED THAT OVERNIGHT LANE CLOSURES AND / OR TEMPORARY CONCRETE BARRIER WALL INSTALLATION WILL BE NECESSARY, THEN IDOT WRITTEN APPROVAL WILL BE REQUIRED PRIOR TO THE INSTALLATION OF THESE ITEMS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT. WHERE POSITIVE PROTECTION (TEMPORARY CONCRETE BARRIER PER STD. 704001) IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.

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	USER NAME = Nedat.Qarut	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD INDEX OF SHEETS, STATE STANDARDS &amp; GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			577	2025-2106-RS	COOK	56	2	
	PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -			CONTRACT NO. 80C49					
	PLOT DATE = 1/30/2026	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					DESIGNED OVERLAY	TS IMPROV.	DESIGNED OVERLAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
0005	0021	0005								
CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	161	161						
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	69	69						
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5						
20200100	EARTH EXCAVATION	CU YD	4325	4325						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	255	255						
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	775	775						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	290	290						
21400100	GRADING AND SHAPING DITCHES	FOOT	250	250						
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25						
25003115	INTERSEEDING, CLASS 1B	ACRE	0.50	0.50						
25003312	INTERSEEDING, CLASS 4A	ACRE	5.90	5.90						
25100630	EROSION CONTROL BLANKET	SQ YD	150	150						
25200110	SODDING, SALT TOLERANT	SQ YD	290	290						
28000400	PERIMETER EROSION BARRIER	FOOT	450	450						
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	255	255						
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	7710	7710						
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	17350	17350						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	42700	42700						
40600370	LONGITUDINAL JOINT SEALANT	FOOT	30550	30550						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	95	95						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	405	405						

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					DESIGNED OVERLAY	TS IMPROV.	DESIGNED OVERLAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
0005	0021	0005								
CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	6620	6620						
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	6200	6200						
42001300	PROTECTIVE COAT	SQ YD	260	260						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	905	905						
42400800	DETECTABLE WARNINGS	SQ FT	100	100						
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	4170	4170						
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	59090	59090						
44000600	SIDEWALK REMOVAL	SQ FT	700	700						
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	100	100						
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	235	235						
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	1000	1000						
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SQ YD	100	100						
44201855	CLASS D PATCHES, TYPE III, 17 INCH	SQ YD	150	150						
44201857	CLASS D PATCHES, TYPE IV, 17 INCH	SQ YD	200	200						
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	5975	5975						
45200300	JOINT OR CRACK FILLING	POUND	1710	1710						
48101200	AGGREGATE SHOULDERS, TYPE B	TON	785	785						
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	7710	7710						
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3						
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	7	7						
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	950	950						

\* = SPECIALITY ITEM  
Δ = NON-PARTICIPATING WORK (100% STATE)

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USER NAME = NedaI.Qarut	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / MCCARTHY RD  
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	4
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				DESIGNED OVERLAY	TS IMPROV.	DESIGNED OVERLAY			
				80% FED 20% STATE	80% FED 20% STATE	100% STATE			
				0005	0021	0005			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY						
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	19	19					
63200310	GUARDRAIL REMOVAL	FOOT	950	950					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4325	4325					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	30	30					
67100100	MOBILIZATION	L SUM	1	1					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1					
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	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					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	261680	261680					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	21810	21810					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2850	2850					
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	196260	196260					
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	18240	18240					

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				DESIGNED OVERLAY	TS IMPROV.	DESIGNED OVERLAY			
				80% FED 20% STATE	80% FED 20% STATE	100% STATE			
				0005	0021	0005			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY						
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	2835	2835					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	9150	9150					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	1665	1665					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	65420	65420					
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	19	19					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	950	950					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	65420	65420					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6080	6080					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	945	945					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3050	3050					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	555	555					
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	185	185					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3700	3700					
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1125	1125					
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	495	495					
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	85	85					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	950	950					
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	40	40					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	950	950					
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	568	568			568		
* 81400200	HEAVY-DUTY HANDHOLE	EACH	9	9			9		

\* = SPECIALITY ITEM  
Δ = NON-PARTICIPATING WORK (100% STATE)

MODEL: SOQ 2 [Sheet]  
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USER NAME = Nedat.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	5
CONTRACT NO. 80C49				
ILLINOIS		FED. AID PROJECT		

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				DESIGNED OVERLAY	TS IMPROV.	DESIGNED OVERLAY			
				80% FED 20% STATE	80% FED 20% STATE	100% STATE			
0005	0021	0005							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY						
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4		4				
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	205		205				
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	70		70				
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1469		1469				
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	55		55				
* 87900200	DRILL EXISTING HANDHOLE	EACH	10		10				
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2857		2857				
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1720		1720				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4		4				
* 89502380	REMOVE EXISTING HANDHOLE	EACH	9		9				
* K0026700	TREE CARE	EACH	23	23					
* K0029624	WEED CONTROL, TEASEL	GALLON	0.50	0.50					
* K0036120	MULCH PLACEMENT 4"	SQ YD	250	250					
* X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
* X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	12	12					
* X0327120	WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT	ACRE	5.90	5.90					
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1		1				
* X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	5.36	5.36					
* X2010516	SELECTIVE CLEARING	UNIT	19.7	19.7					
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	120	120					
* X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	4	4					

SUMMARY OF QUANTITIES				TYPE CODE					
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
				DESIGNED OVERLAY	TS IMPROV.	DESIGNED OVERLAY			
				80% FED 20% STATE	80% FED 20% STATE	100% STATE			
0005	0021	0005							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY						
X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	560	560					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	100	100					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	435	435					
Δ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	375			375			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5	5					
X6700407	ENGINEER'S FIELD OFFICE, TYPEA (D1)	CAL MO	12	12					
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	104	104					
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2			2			
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4			4			
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	35			35			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
Δ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	25			25			
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	4			4			
* Z0051400	REMOVING AND RESETTING POSTS	EACH	80	80					
Ø Z0076600	TRAINEES	HOUR	500	500					
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

Ø 0042

\* = SPECIALITY ITEM  
Δ = NON-PARTICIPATING WORK (100% STATE)

MODEL: SOQ\_3 [Sheet]  
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USER NAME = Nedaj.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / MCCARTHY RD  
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	6
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

# TREE REMOVAL SCHEDULE

20100110 - TREE REMOVAL (6 TO 15 UNITS DIAMETER)	
STATION	QUANTITY
48+00	13
51+00	14
87+00	13
95+50LT (3 TREES)	24
96+50LT (2 TREES)	12
139+00 (2 TREES)	25
142+75 (8 TREES)	60
TOTAL	161 UNITS

K0026700 - TREE CARE	
STATION	QUANTITY
21+00	3
59+00 TO 64+00 RT	13
65+00 TO 67+00 RT	7
TOTAL	23 EACH

X2010516- SELECTIVE CLEARING	
STATION	QUANTITY
95+50 LT	0.40
97+50 LT	0.40
106+50 to 107+50 LT	2.50
116+50 to 117+00 RT	1.30
128+00 to 129+50 RT	3.80
135+00 to 137+00	5.0
142+50 to 145+00	6.30
TOTAL	19.70 UNITS

20100210 - TREE REMOVAL (OVER 15 UNITS DIAMETER)	
STATION	QUANTITY
38+00	30
97+50 LT	17
107+50 LT	22
TOTAL	69 UNITS

X2010350- TREE REMOVAL, ACRES (SPECIAL)	
STATION	QUANTITY
33+25 TO 41+25 LT	0.46
29+00 to 40+00 RT	0.63
39+25 to 41+25 RT	0.11
39+00 to 44+00 LT	0.30
49+75 to 55+00 RT	0.30
50+50 to 52+50 LT	0.11
53+00 to 59+00 LT	0.34
59+00 to 63+00 RT	0.23
65+00 to 71+00 RT	0.34
65+00 to 79+00 LT	0.80
82+25 to 86+75 LT	0.26
84+00 to 87+00 RT	0.17
89+00 to 92+00 LT	0.17
90+75 to 94+25 RT	0.23
99+50 to 102+00 LT	0.14
98+50 to 101+50 RT	0.17
102+00 to 107+00 RT	0.30
133+00 to 138+25 LT	0.30
TOTAL	5.36 ACRES

X2100002 - PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	
STATION	QUANTITY
129+00 to 133+00 LT	4
TOTAL	4 UNITS

20101350 - TREE PRUNING (OVER 10 INCH DIAMETER)	
STATION	QUANTITY
99+00 L	5
TOTAL	5 EACH

MODEL: Schedule02 (Sheet)  
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PLOT SCALE = 0.16666833' / in.	DRAWN -	REVISED -
PLOT DATE = 1/30/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
SCHEDULE OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	7
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

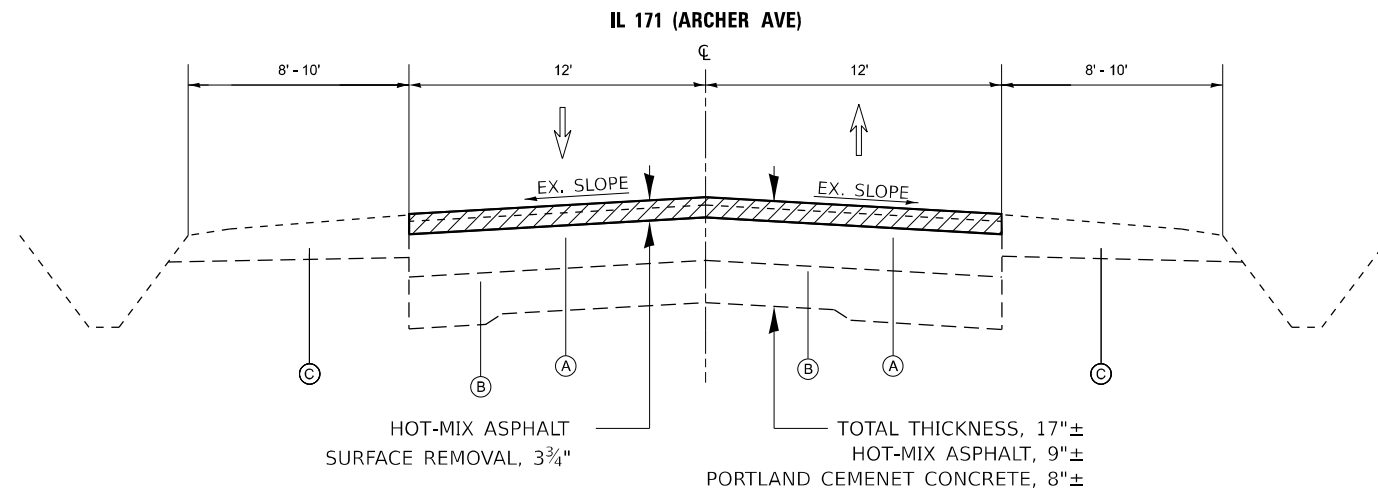


**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT PAVEMENT 11"±
- (B) PORTLAND CEMENT CONCRETE PAVEMENT 8"±
- (C) AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SHOULDER
- (E) COMBINATION CURB AND GUTTER

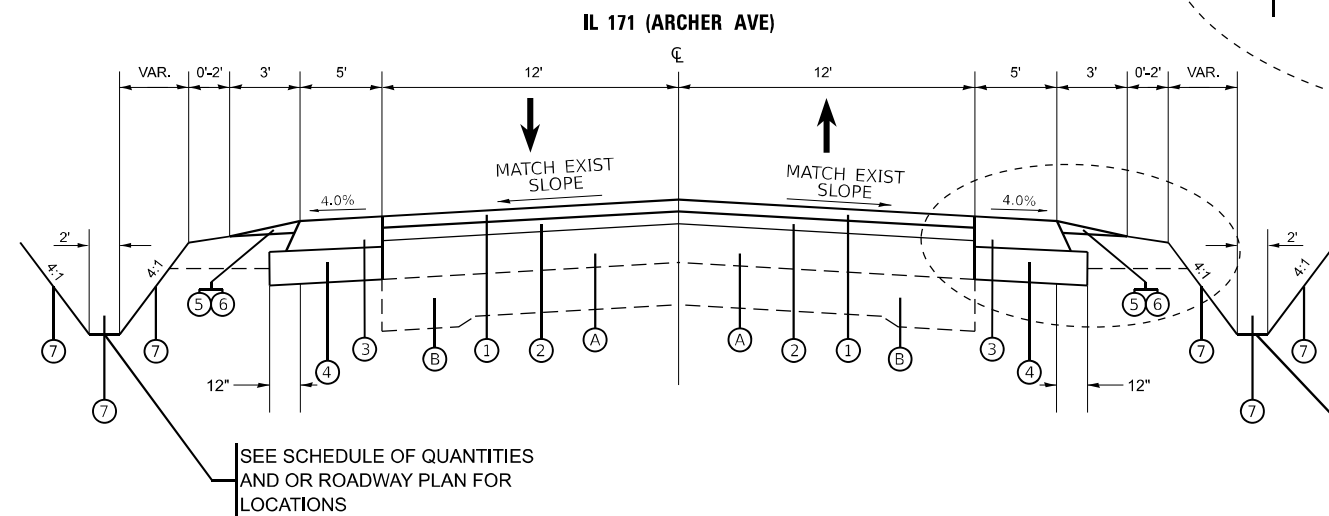
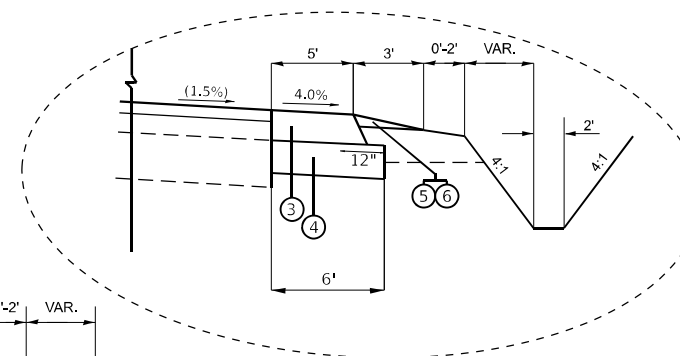
**PROPOSED LEGEND**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- ③ HOT-MIX ASPHALT SHOULDERS, 8"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ AGGREGATE WEDGE SHOULDERS, TYPE B (TON)
- ⑥ GRADING AND SHAPING SHOULDERS
- ⑦ GRADING AND SHAPING DITCHES
- ⑧ PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER



**EXISTING TYPICAL - RESURFACING**

STA. 24+00 TO STA. 56+00  
 STA. 73+50 TO STA. 88+00  
 STA. 102+00 TO STA. 118+00  
 STA. 124+00 TO STA. 144+00



**PROPOSED TYPICAL - RESURFACING**

STA. 24+00 TO STA. 56+00  
 STA. 73+50 TO STA. 88+00  
 STA. 102+00 TO STA. 118+00  
 STA. 124+00 TO STA. 144+00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ N des	
<b>PAVEMENT RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"	4.0% AT 70 GYR.	QCP
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"	4.0% AT 70 GYR.	QCP
<b>PAVEMENT RESURFACING - SHOULDER ONLY</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"	4.0% AT 70 GYR.	QC/QA
<b>HOT-MIX ASPHALT SHOULDERS 8"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"	4.0% AT 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6 1/2"	4.0% AT 70 GYR.	QC/QA
<b>TEMPORARY RAMP (SPECIAL)</b>		
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 (VAR. DEPTH)	4.0% AT 70 GYR.	QC/QA
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4.0% AT 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 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.
- NOTE 3: THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
- NOTE 4: LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BINDER COURSE, IL-9.5, N70.
- NOTE 5: WHEN SHOULDER RESURFACING OF 6 FEET OR LESS IS ALLOWED TO BE PLACED SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE, THE MAINLINE QUALITY MANAGEMENT PROGRAM WILL BE ENFORCED FOR THE MAINLINE AND SHOULDER.

MODEL: Typical Sheet 2 (Sheet)  
 FILE NAME: c:\p\work\171\171typical.dgn

USER NAME = Nedat.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 2/21/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
 TYPICAL SECTIONS**

SCALE: SHEET 1 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

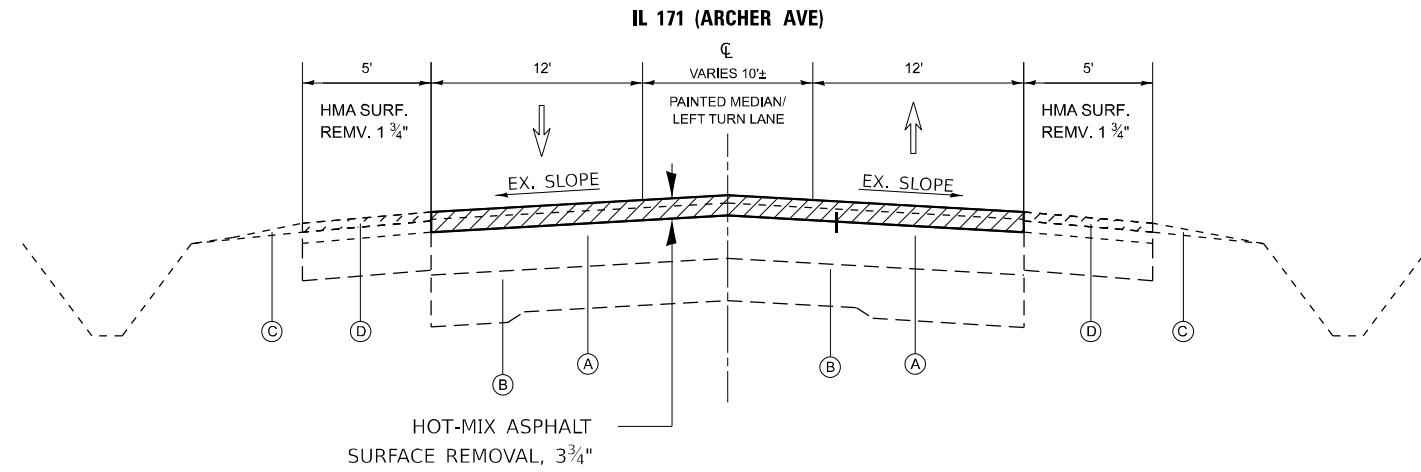
F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 9
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT PAVEMENT 11"±
- (B) PORTLAND CEMENT CONCRETE PAVEMENT 8"±
- (C) AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SHOULDER
- (E) COMBINATION CURB AND GUTTER

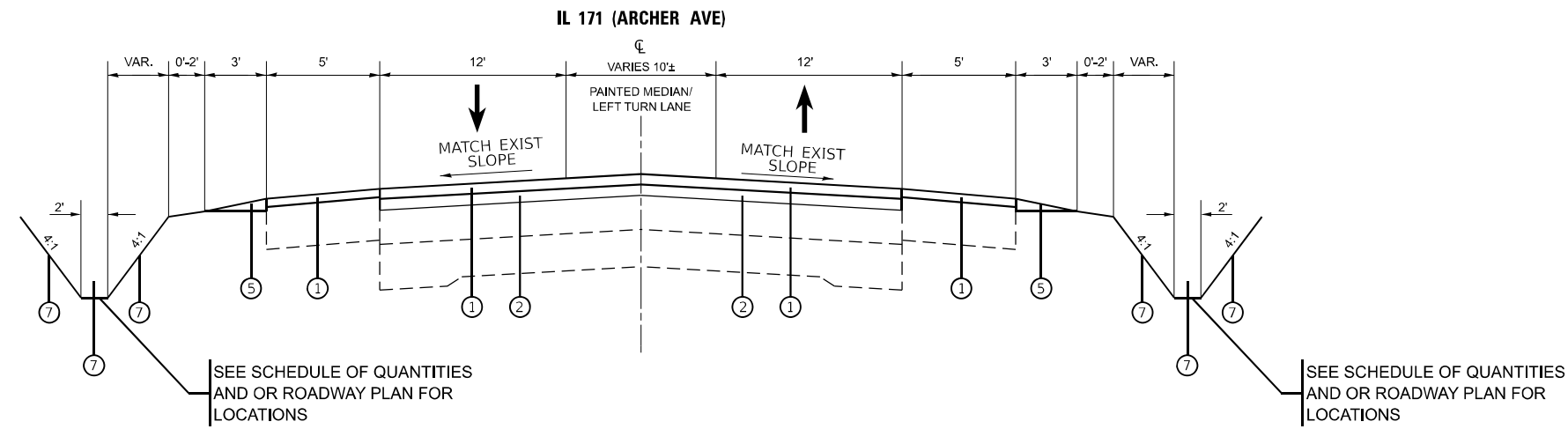
**PROPOSED LEGEND**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- ③ HOT-MIX ASPHALT SHOULDERS, 8"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ AGGREGATE WEDGE SHOULDERS, TYPE B (TON)
- ⑥ GRADING AND SHAPING SHOULDERS
- ⑦ GRADING AND SHAPING DITCHES
- ⑧ PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER



**EXISTING TYPICAL SECTION**

STA. 56+00 TO STA. 73+50  
 STA. 88+00 TO STA. 102+00  
 STA. 118+00 TO STA. 124+00



**PROPOSED TYPICAL SECTION**

STA. 56+00 TO STA. 73+50  
 STA. 88+00 TO STA. 102+00  
 STA. 118+00 TO STA. 124+00

SEE SCHEDULE OF QUANTITIES  
 AND OR ROADWAY PLAN FOR  
 LOCATIONS

SEE SCHEDULE OF QUANTITIES  
 AND OR ROADWAY PLAN FOR  
 LOCATIONS

MODEL: Typical Sheet 4 [Sheet]  
 FILE NAME: c:\p\work\171\171typical.dgn

USER NAME = Nedat.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
 TYPICAL SECTIONS**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

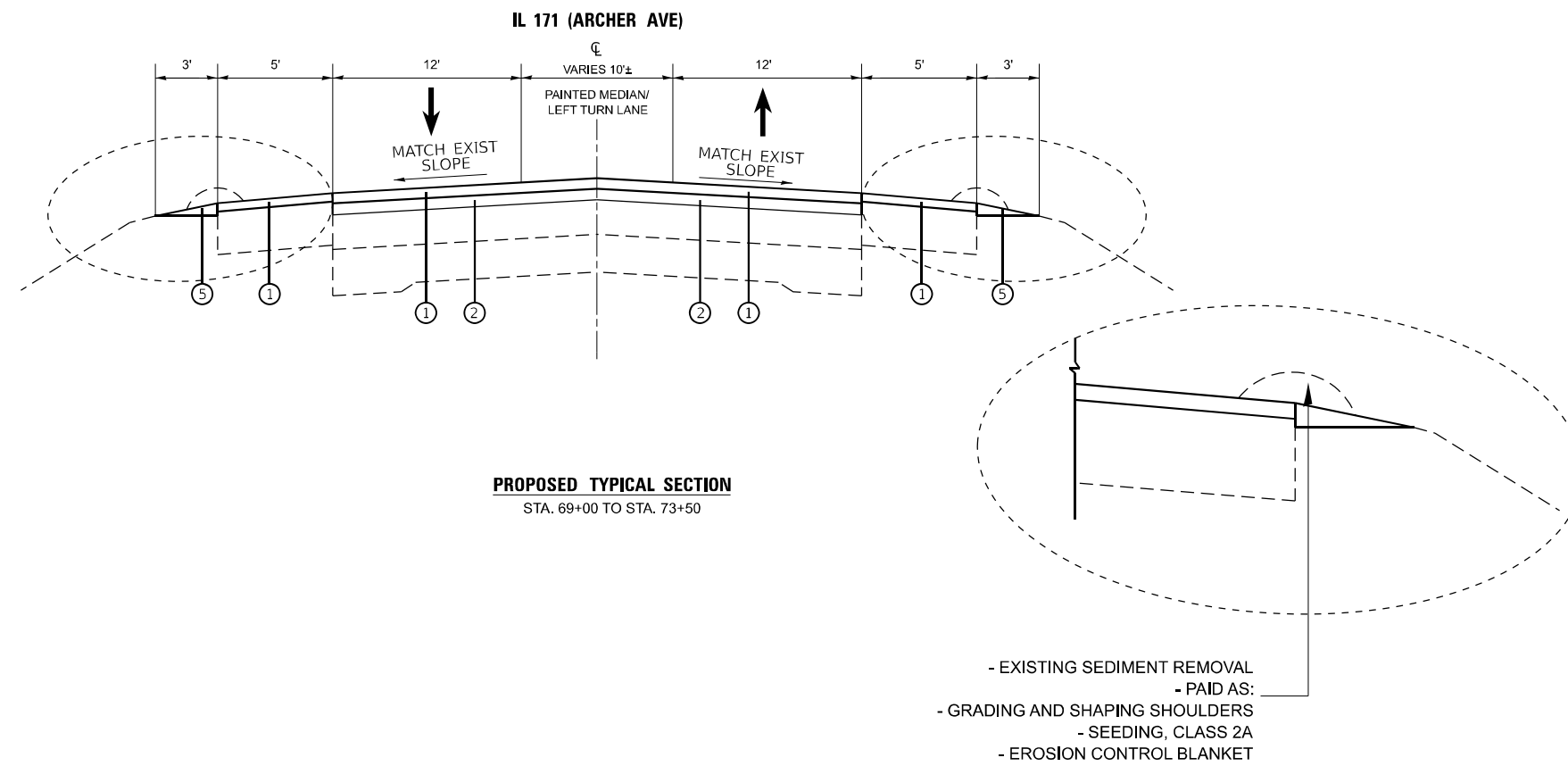
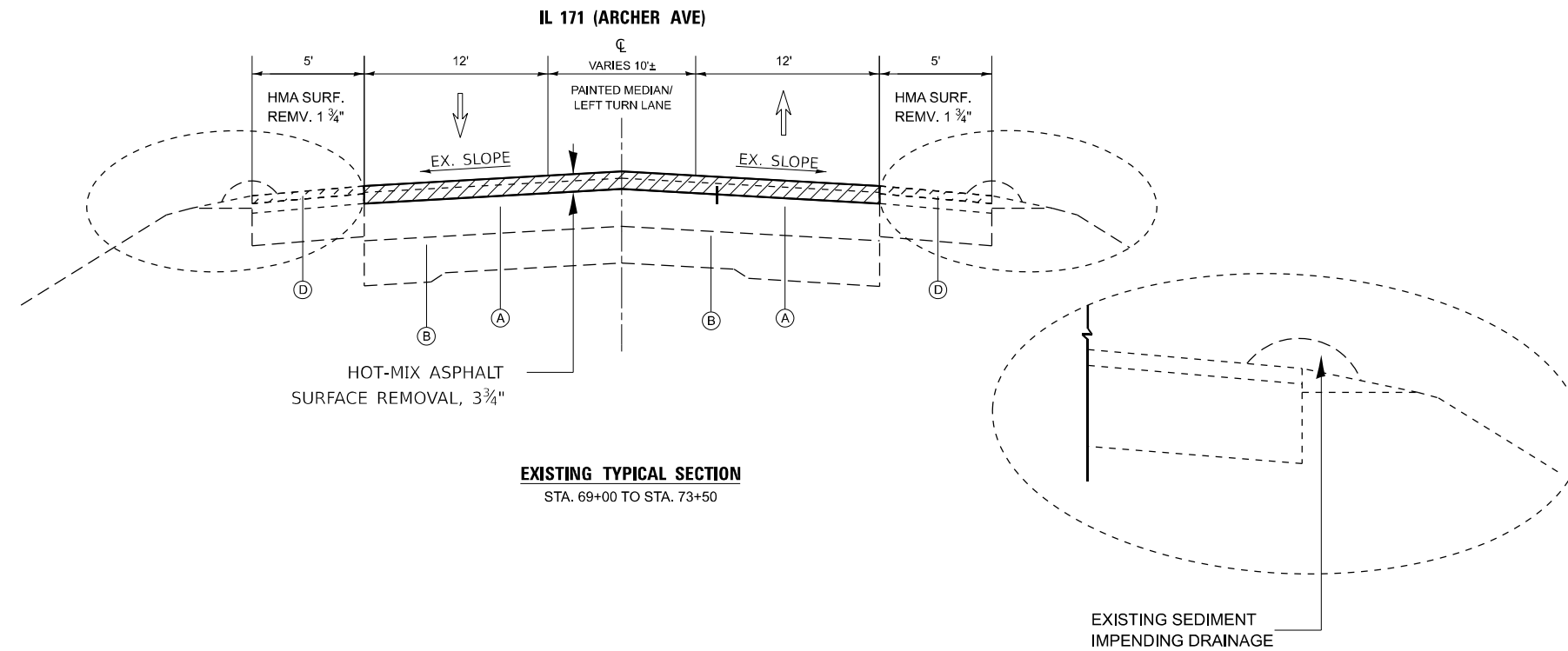
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	10
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT PAVEMENT 11"±
- (B) PORTLAND CEMENT CONCRETE PAVEMENT 8"±
- (C) AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SHOULDER
- (E) COMBINATION CURB AND GUTTER

**PROPOSED LEGEND**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- ③ HOT-MIX ASPHALT SHOULDERS, 8"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ AGGREGATE WEDGE SHOULDERS, TYPE B (TON)
- ⑥ GRADING AND SHAPING SHOULDERS
- ⑦ GRADING AND SHAPING DITCHES
- ⑧ PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER



MODEL: Typical Sheet\_1 [Sheet]  
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	DRAWN -	REVISED -
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PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
TYPICAL SECTIONS**

SCALE: SHEET 3 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

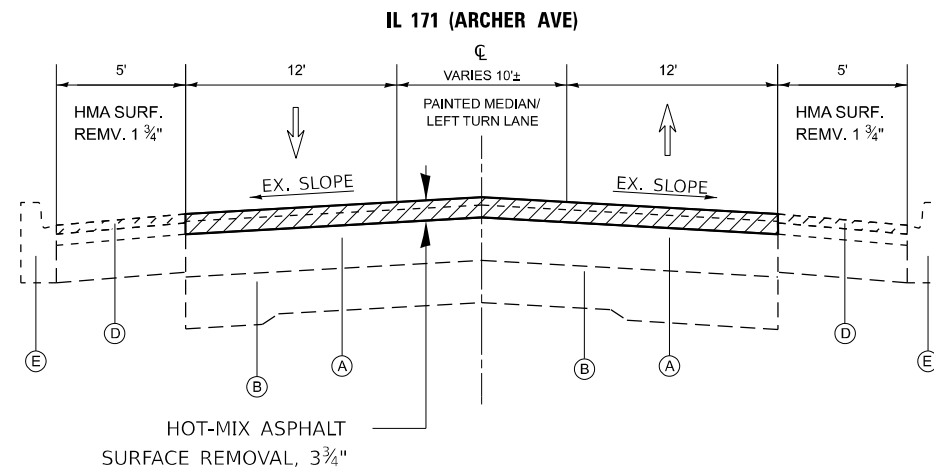
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	11
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT PAVEMENT 11"±
- (B) PORTLAND CEMENT CONCRETE PAVEMENT 8"±
- (C) AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SHOULDER
- (E) COMBINATION CURB AND GUTTER

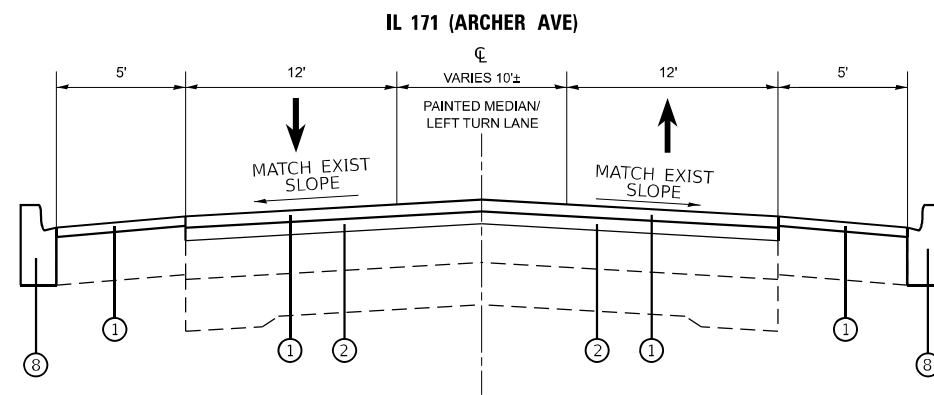
**PROPOSED LEGEND**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 3/4"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- ③ HOT-MIX ASPHALT SHOULDERS, 8"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ AGGREGATE WEDGE SHOULDERS, TYPE B (TON)
- ⑥ GRADING AND SHAPING SHOULDERS
- ⑦ GRADING AND SHAPING DITCHES
- ⑧ PORTLAND CEMENT CONCRETE COMBINATION CURB AND GUTTER



**EXISTING TYPICAL SECTION**

STA. 144+00 TO STA. 155+63



**PROPOSED TYPICAL SECTION**

STA. 144+00 TO STA. 155+63

MODEL: Typical Sheet 3 (Sheet)  
FILE NAME: c:\p\work\171\171typical.dgn

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

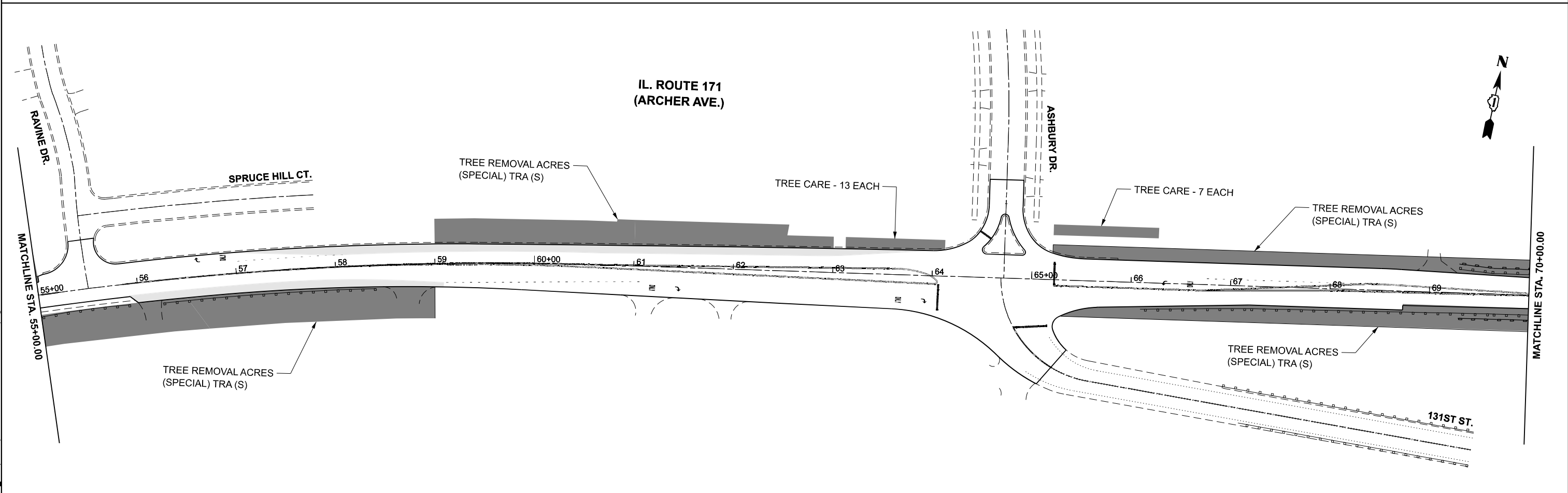
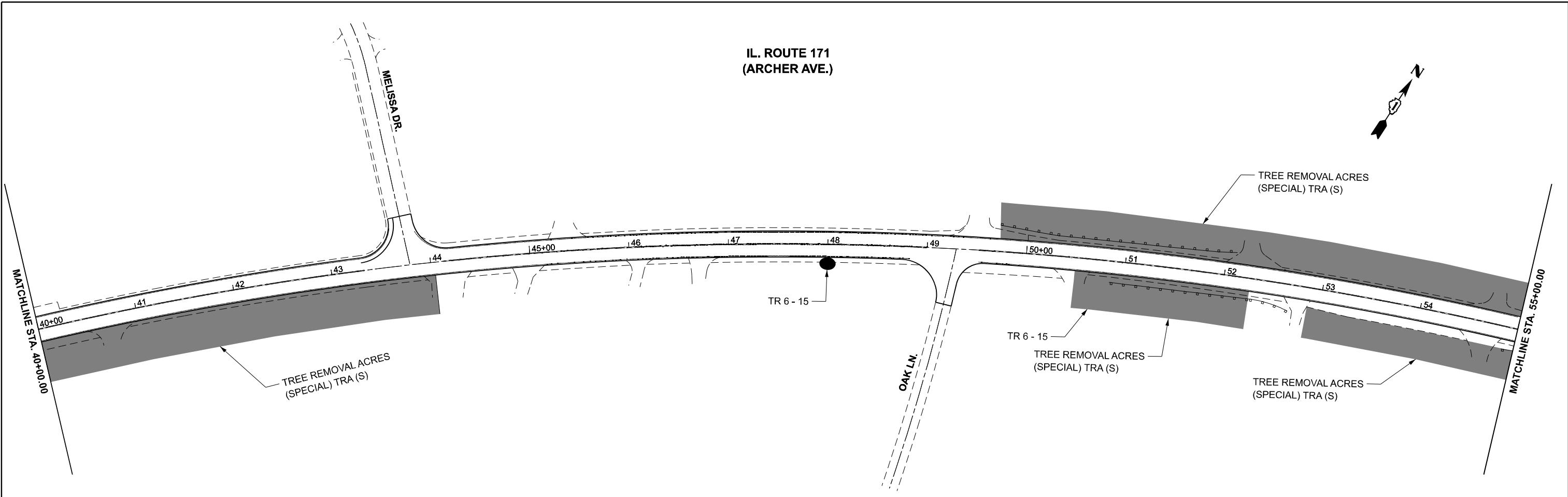
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
TYPICAL SECTIONS**

SCALE: SHEET 4 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	12
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				





MODEL: LandSoc - Plan 3 (Sheet)  
 FILE NAME: c:\p\work\willco\carum\1056841\11326-shit-landscp.dgn

USER NAME = Nedat.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

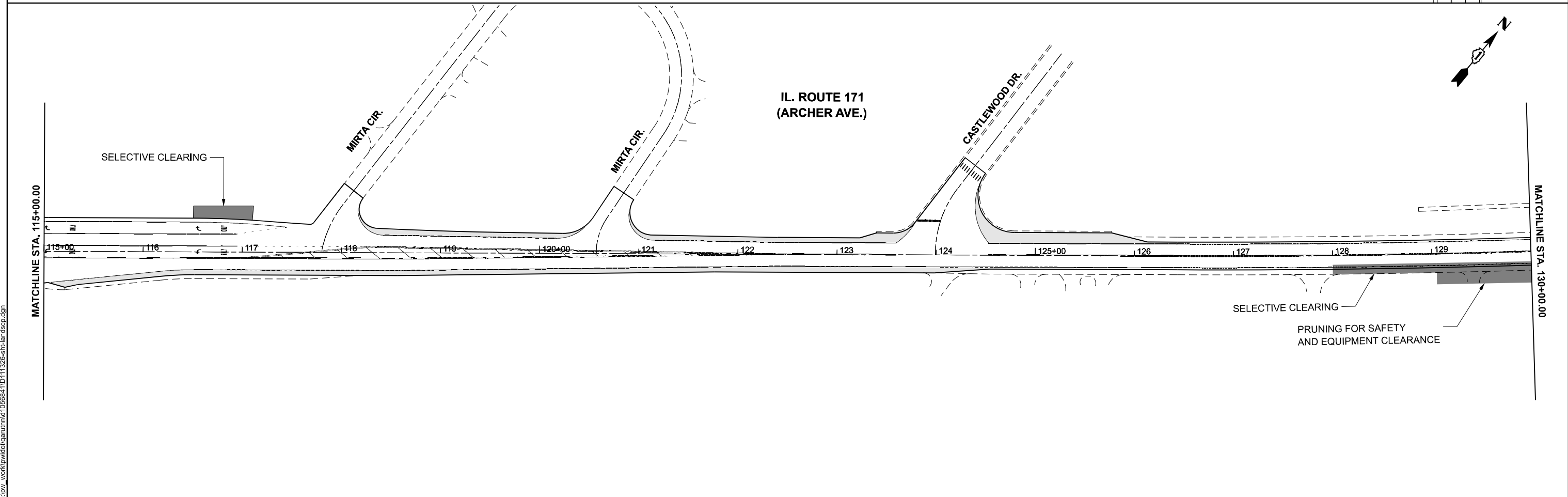
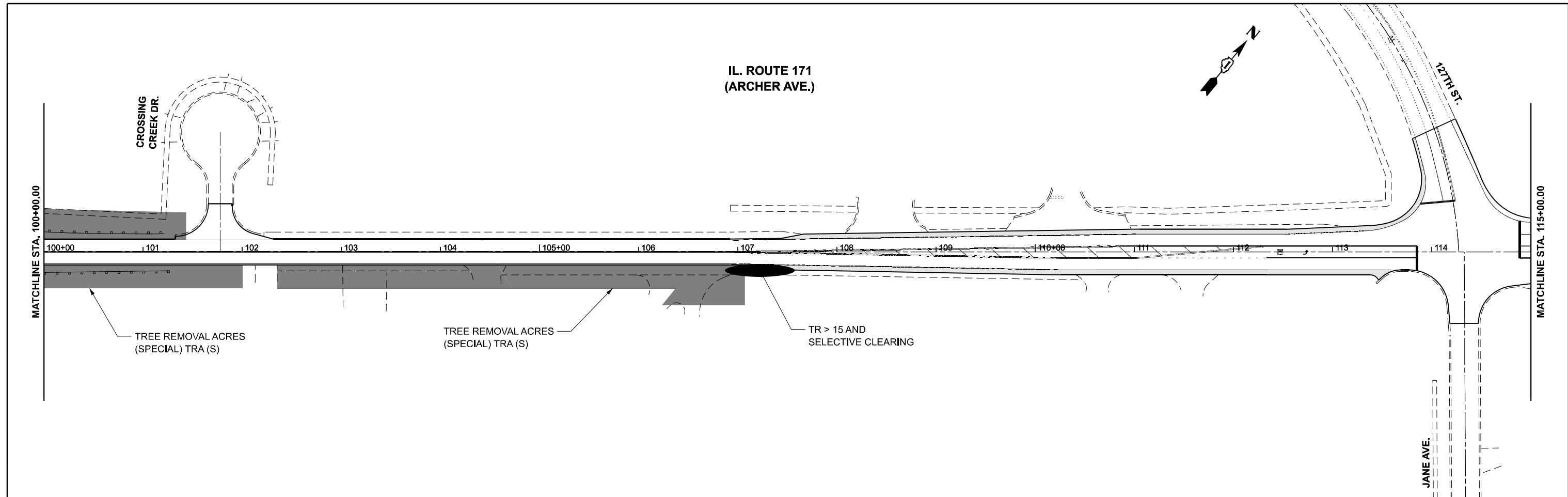
**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
 TREE REMOVAL PLAN**

SCALE: SHEET 2 OF 5 SHEETS STA. 40+00.00 TO STA. 70+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	14
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				



MODEL: LandSca - Plan 7 (Sheet)  
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USER NAME = Nedat.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / McCARTHY RD  
 TREE REMOVAL PLAN**

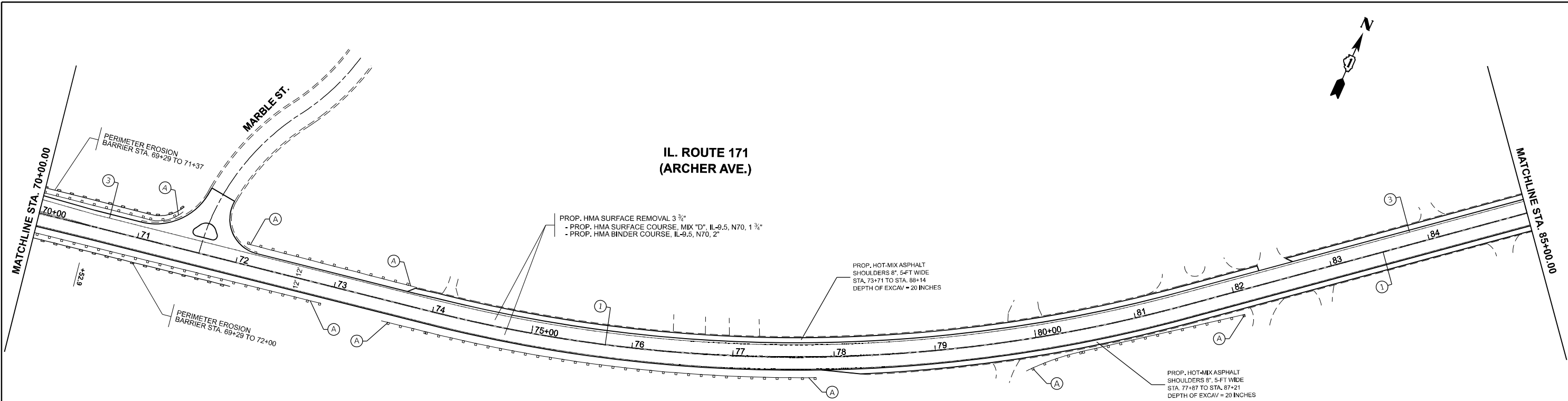
SCALE: 1"=50'      SHEET 4      OF 5      SHEETS      STA. 100+00.00      TO STA. 130+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	16
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				



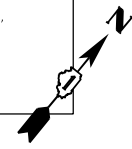




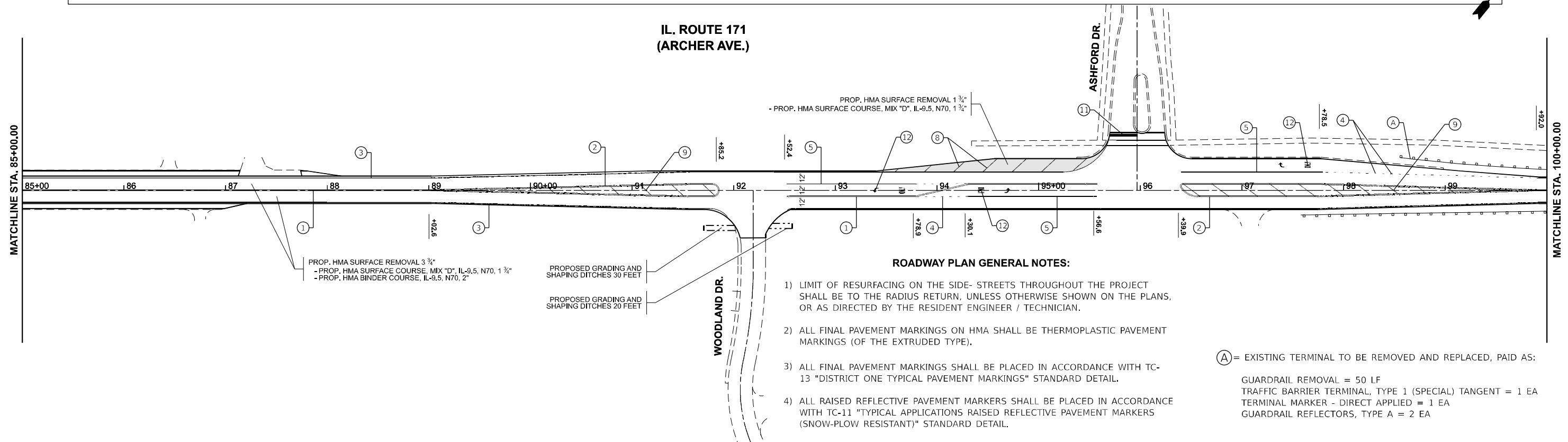


PAVEMENT MARKING LEGEND

① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) YELLOW (TYP.)	⑬ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑰ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" SOLID DIAGONAL 45° @ 75' C-C, WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW MEDIAN, 2 @ 11" C-C (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID, LONGITUDINAL BARS @ 90° WHITE (TYP.)	⑭ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW MEDIAN, 2 @ 11" C-C (TYP.)	⑱ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) YELLOW (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID DIAGONAL 45° @ 20' C-C, WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)	⑮ PROP. MODIFIED URETHANE PAVEMENT MARKING, LINE 4" SOLID EDGE LINE WHITE (TYP.)	⑲ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID DIAGONAL 45° @ 75' C-C, WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)	⑯ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑳ PROP. MODIFIED URETHANE PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)



IL. ROUTE 171 (ARCHER AVE.)



ROADWAY PLAN GENERAL NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

(A) = EXISTING TERMINAL TO BE REMOVED AND REPLACED, PAID AS:

GUARDRAIL REMOVAL = 50 LF  
 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT = 1 EA  
 TERMINAL MARKER - DIRECT APPLIED = 1 EA  
 GUARDRAIL REFLECTORS, TYPE A = 2 EA

MODEL: EXCL - Plan 5 (Sheet)  
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USER NAME = Nedat.Qarut	DESIGNED -	REVISD -
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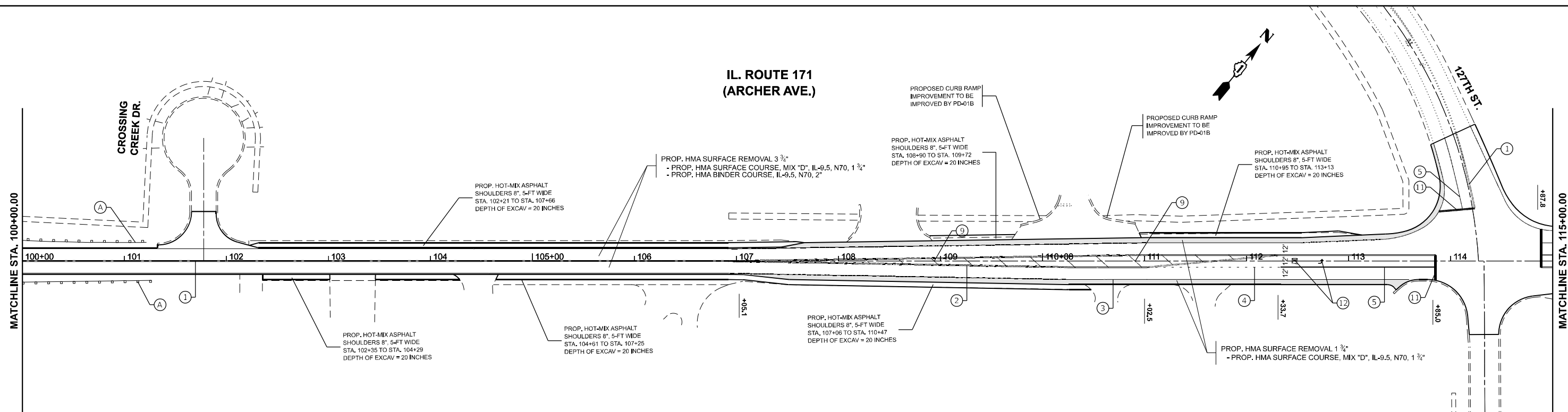
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / MCCARTHY RD  
ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET 3 OF 5 SHEETS STA. 70+00.00 TO STA. 100+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	20
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

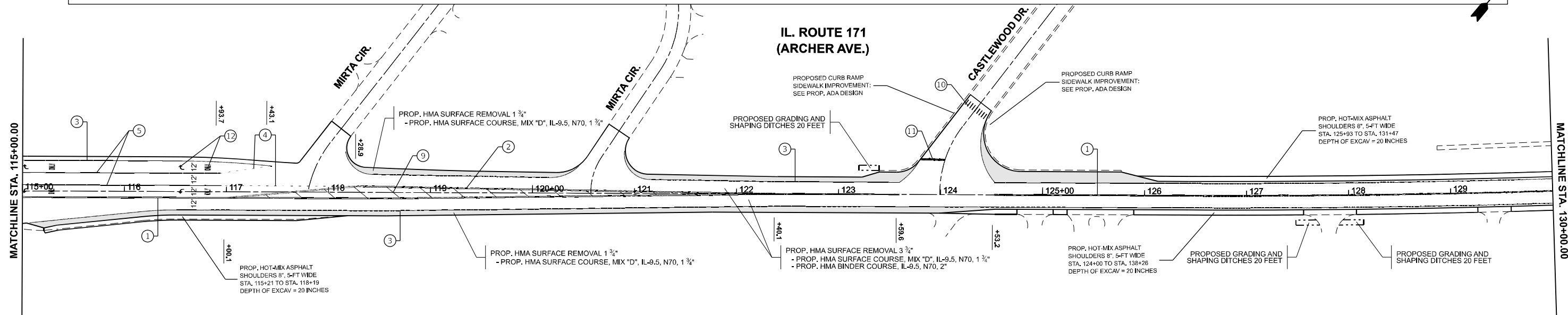
**IL. ROUTE 171  
(ARCHER AVE.)**



**PAVEMENT MARKING LEGEND**

① PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑤ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑨ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) YELLOW (TYP.)	⑬ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑰ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" SOLID DIAGONAL 45° @ 75' C-C, WHITE (TYP.)
② PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW MEDIAN, 2 @ 11" C-C (TYP.)	⑥ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)	⑩ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID, LONGITUDINAL BARS @ 90° WHITE (TYP.)	⑭ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW MEDIAN, 2 @ 11" C-C (TYP.)	⑱ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) YELLOW (TYP.)
③ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)	⑦ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID DIAGONAL 45° @ 20' C-C, WHITE (TYP.)	⑪ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)	⑮ PROP. MODIFIED URETHANE PAVEMENT MARKING, LINE 4" SOLID EDGE LINE WHITE (TYP.)	⑲ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
④ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)	⑧ PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" SOLID DIAGONAL 45° @ 75' C-C, WHITE (TYP.)	⑫ PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)	⑯ PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)	⑳ PROP. MODIFIED URETHANE PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)

**IL. ROUTE 171  
(ARCHER AVE.)**



**ROADWAY PLAN GENERAL NOTES:**

- Ⓐ = EXISTING TERMINAL TO BE REMOVED AND REPLACED, PAID AS:  
 GUARDRAIL REMOVAL = 50 LF  
 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT = 1 EA  
 TERMINAL MARKER - DIRECT APPLIED = 1 EA  
 GUARDRAIL REFLECTORS, TYPE A = 2 EA
- LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
  - ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
  - ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
  - ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVE) WILL CO LINE TO 123RD ST / MCCARTHY RD  
ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET 4 OF 5 SHEETS STA. 100+00.00 TO STA. 130+00.00

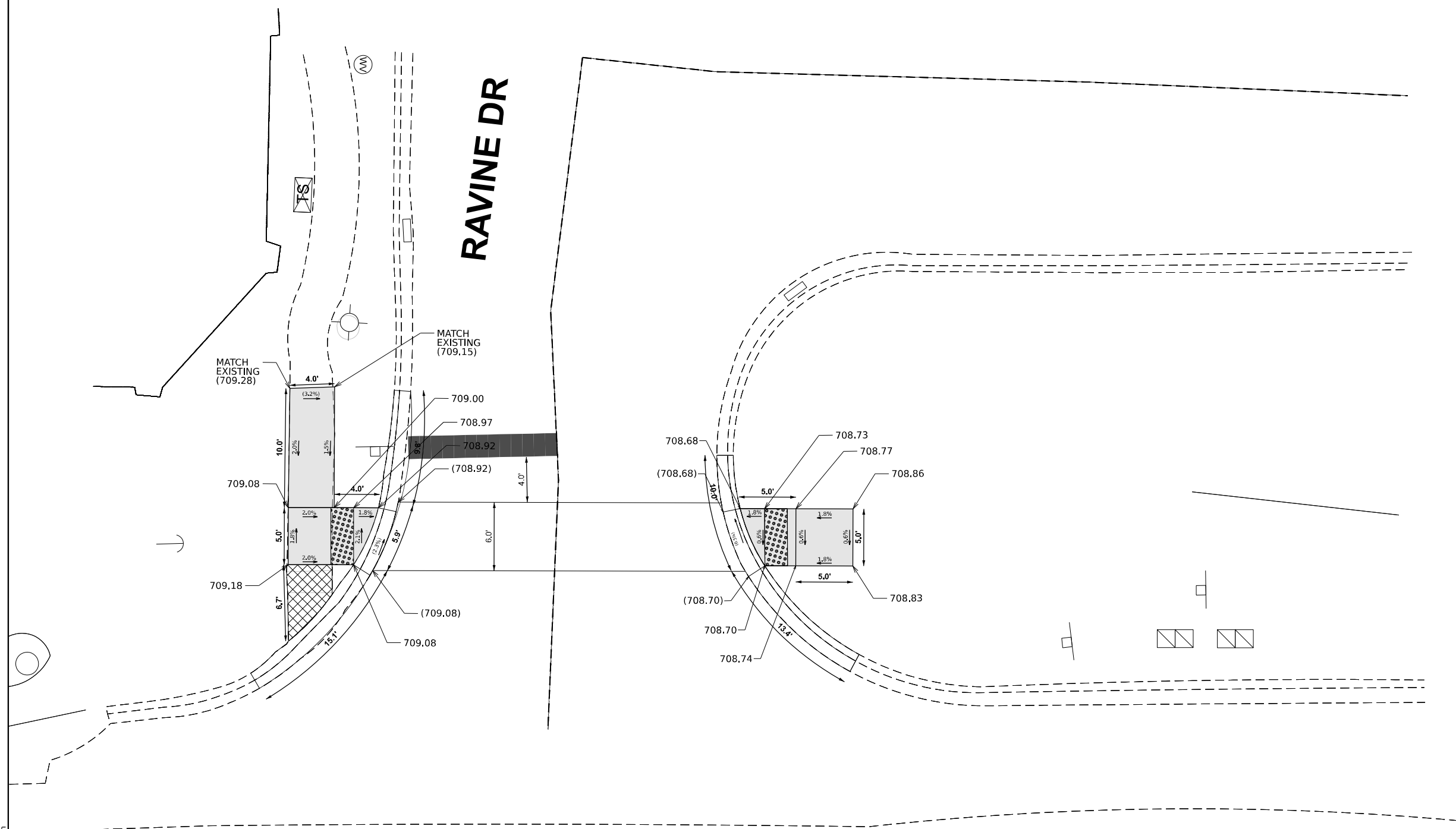
F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 21
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				





# SPRUCE HILL CT

# RAVINE DR



# IL 171 (ARCHER AVE)

### DESIGNER NOTES

BENCHMARK REFERENCE ELEVATION: 709.16  
 BENCHMARK: "□" SQUARE AT WEST FACE OF LIGHT POLE BASE  
 LOCATION: NW QUADRANT AT IL 171 (ARCHER AVE) AND RAVINE DR.

### LEGEND

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

### CONSTRUCTION NOTES

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

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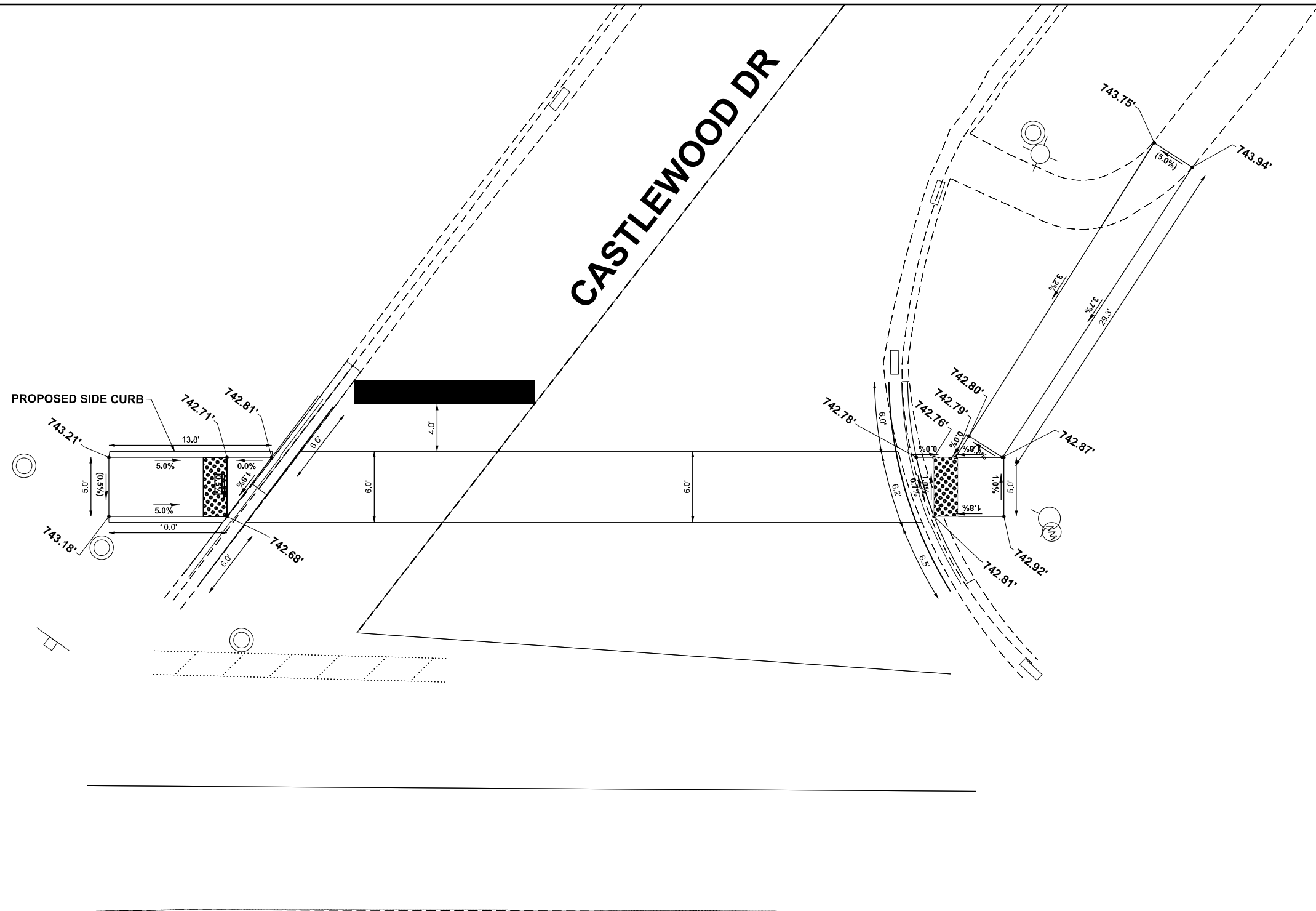
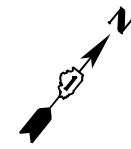
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PLOT DATE = 1/30/2026	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 171 (ARCHER AVENUE) AT RAVINE DRIVE  
 CURB RAMPS IMPROVEMENT PLAN NE & NW QUADRANTS

SCALE: SHEET 1 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	23
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				



# IL 171 (ARCHER AVE)

### DESIGNER NOTES

BENCHMARK REFERENCE ELEVATION: 745.16  
 BENCHMARK: TAC BOLT ON HYDRANT  
 LOCATION: NW QUADRANT AT IL 171 (ARCHER AVE) AND CASTLEWOOD DR.

### LEGEND

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

### CONSTRUCTION NOTES

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

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 171 (ARCHER AVENUE) AT CASTLEWOOD DRIVE  
CURB RAMPS IMPROVEMENT PLAN NW & SW QUADRANTS**

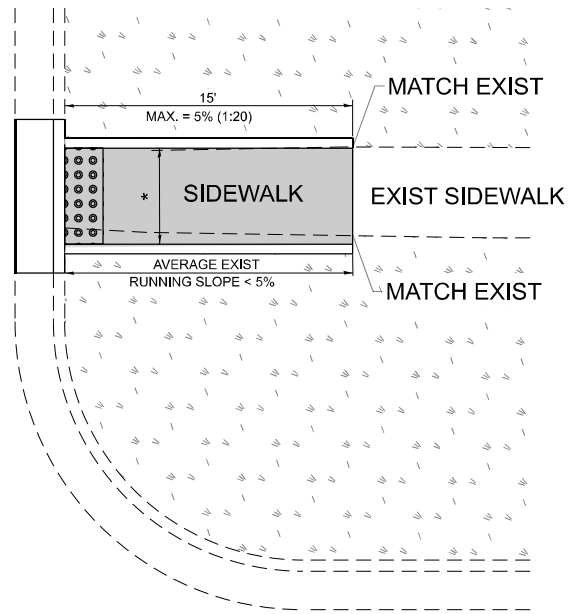
SCALE: SHEET 2 OF 4 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

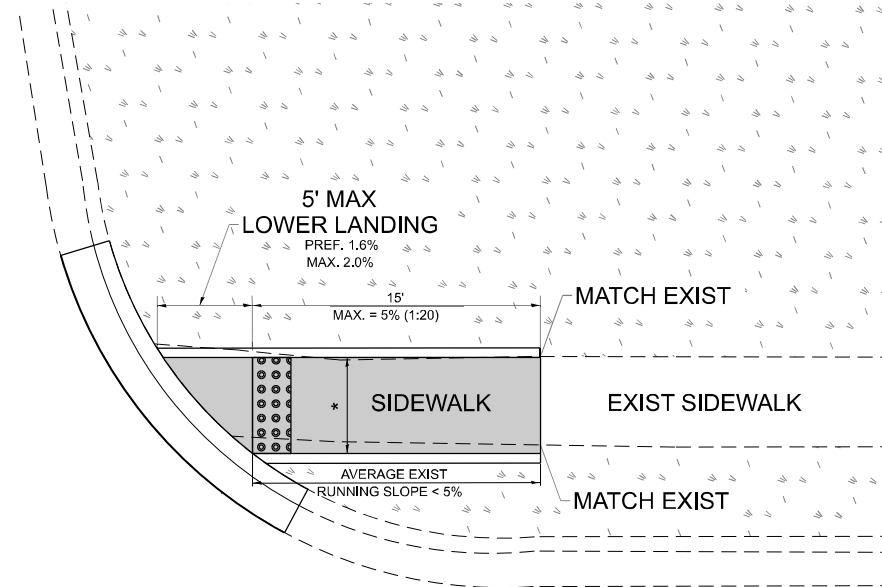


# ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

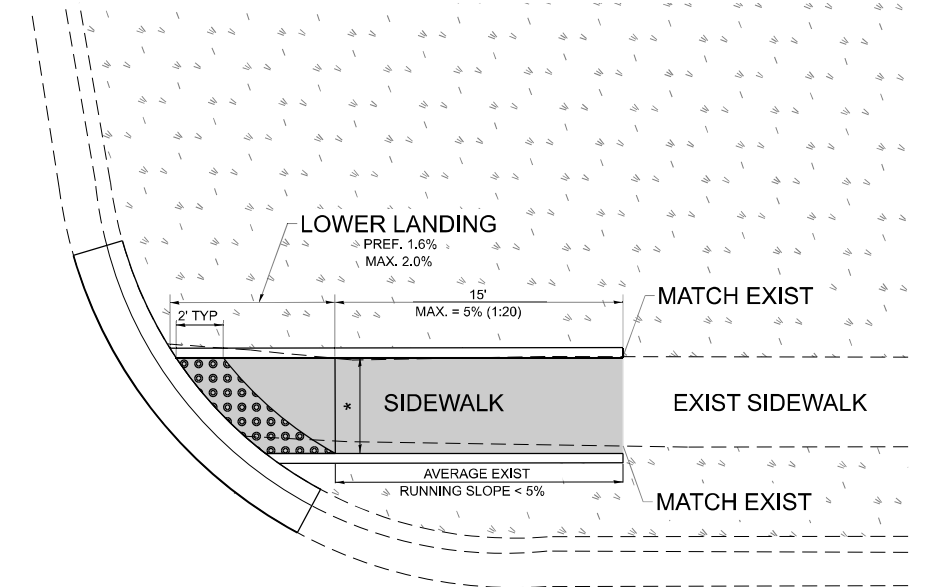
**PD-01A**



**PD-01B**



**PD-01C**



**LEGEND**

- EXIST. GRASS
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- PROPOSED SIDE CURB

**CONSTRUCTION NOTES:**

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

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PLOT DATE = 1/30/2026	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS  
(PD-01)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	26
<b>PD-01</b>		CONTRACT NO. 80C49		
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 P EV	 P EV
UNINTERRUPTIBLE POWER SUPPLY			DOUBLE HANDHOLE			SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	 RB P EV	 RB P EV
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
MASTER CONTROLLER			JUNCTION BOX			ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"	 	 
MASTER MASTER CONTROLLER			RAILROAD 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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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

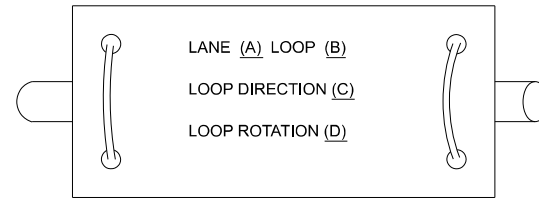
**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 27
<b>TS-01</b>		CONTRACT NO. 80C49		
ILLINOIS FED. AID PROJECT				

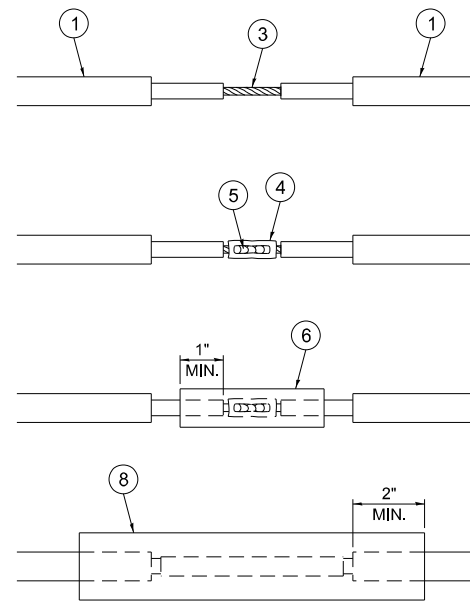
**DETECTOR LOOP NOTES:**

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.



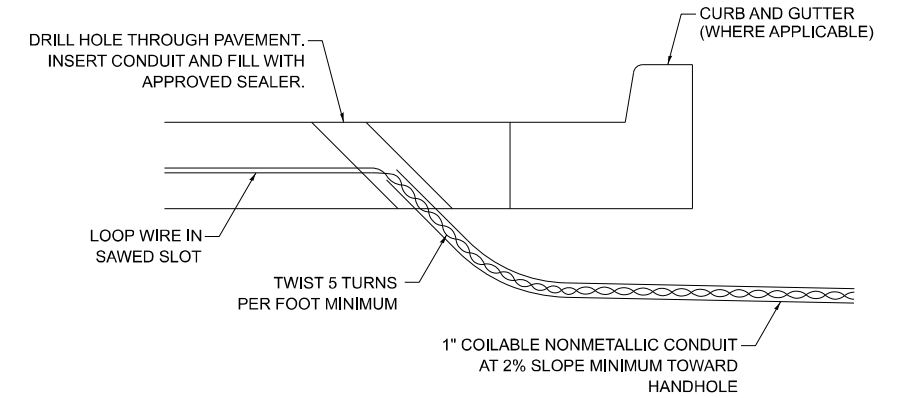
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

**DETECTOR LOOP LEAD-IN CABLE TAG**

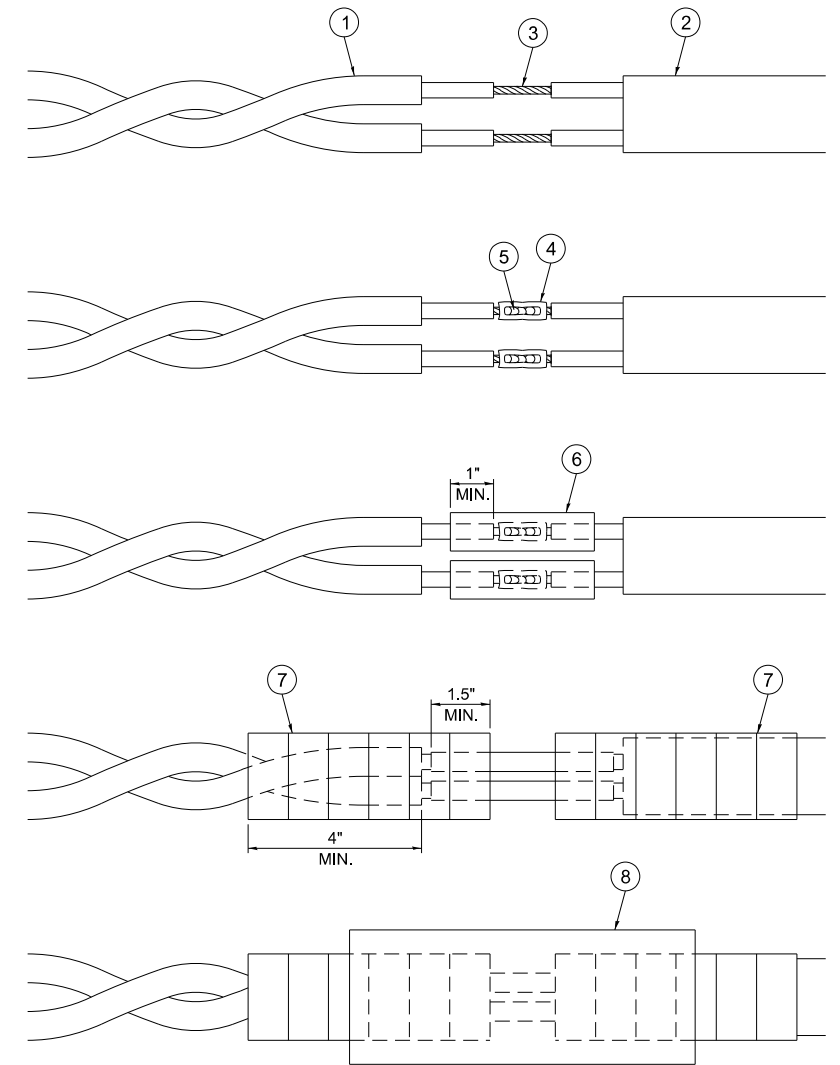


**LOOP-TO-LOOP SPLICE DETAIL**

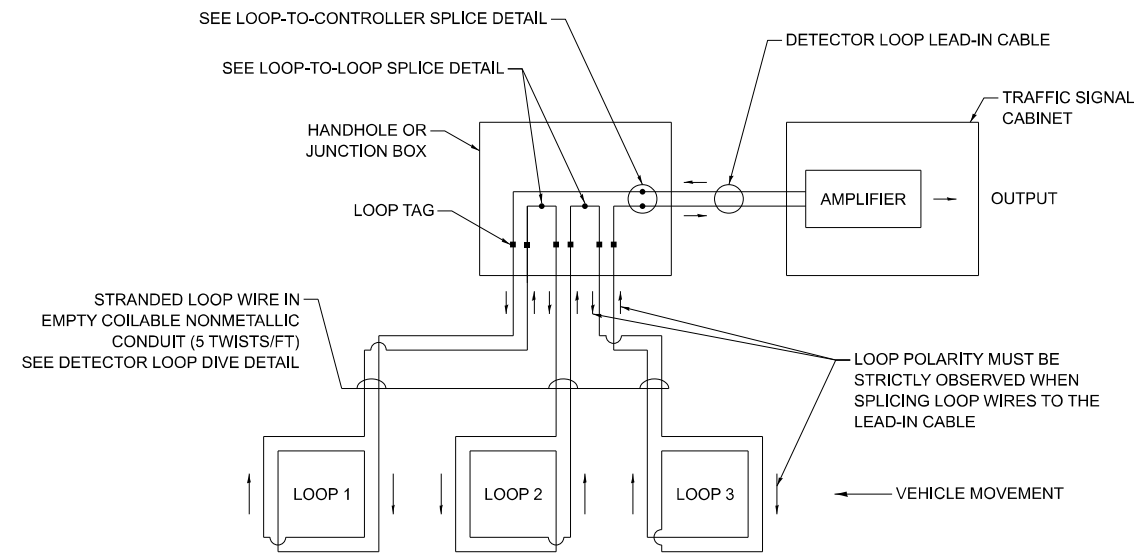
- ① DETECTOR LOOP CABLE.
- ② DETECTOR LOOP LEAD-IN CABLE
- ③ BARE CONDUCTORS TWISTED TOGETHER.
- ④ BUTT SPLICE CRIMP CONNECTOR.
- ⑤ SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- ⑥ WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, 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**



**DETECTOR LOOP WIRING SCHEMATIC**

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PLOT DATE = 1/30/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

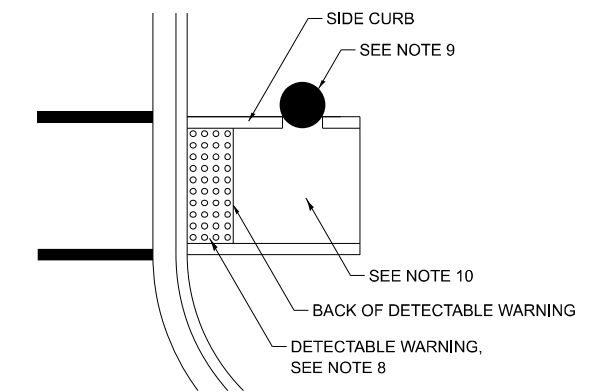
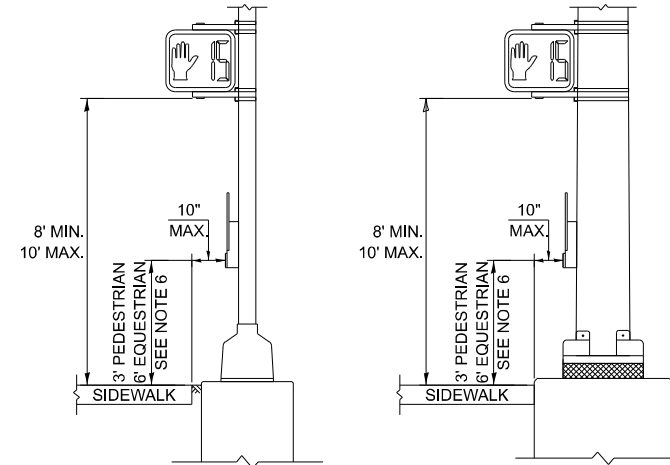
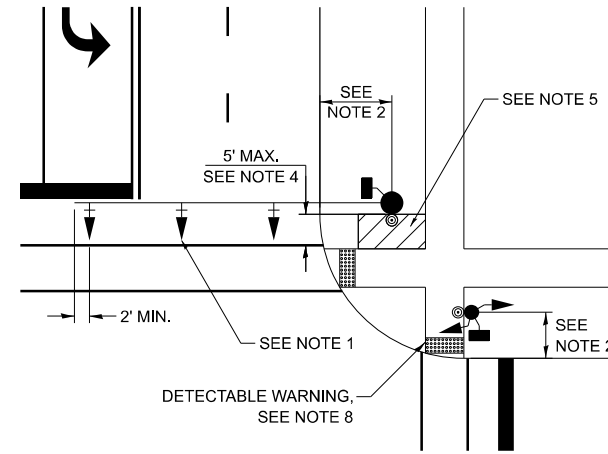
SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 28
<b>TS-01</b>		CONTRACT NO. 80C49		
ILLINOIS FED. AID PROJECT				

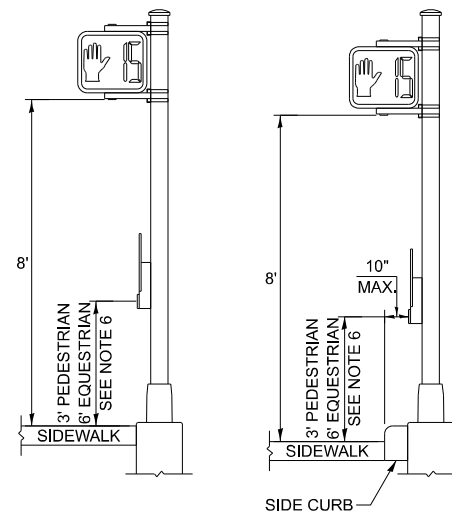
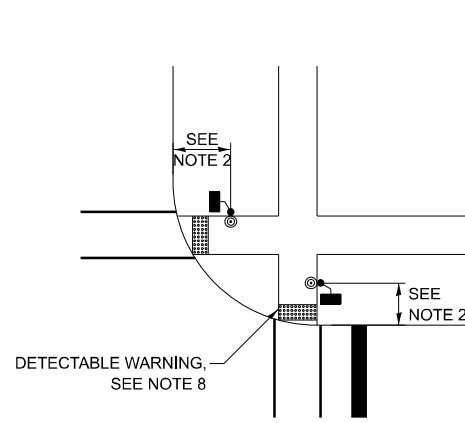
**NOTES:**

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.

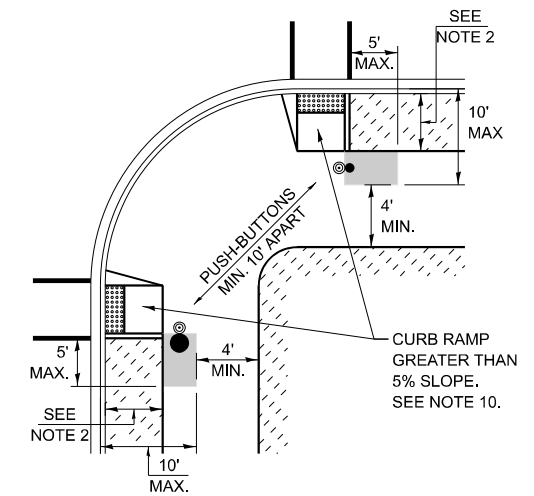
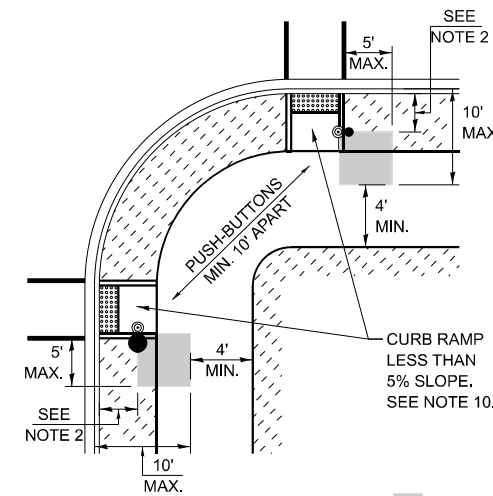
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**



**PEDESTRIAN SIGNAL POST**



**PUSH-BUTTON LOCATIONS**



■ PREFERRED PUSH-BUTTON LOCATION

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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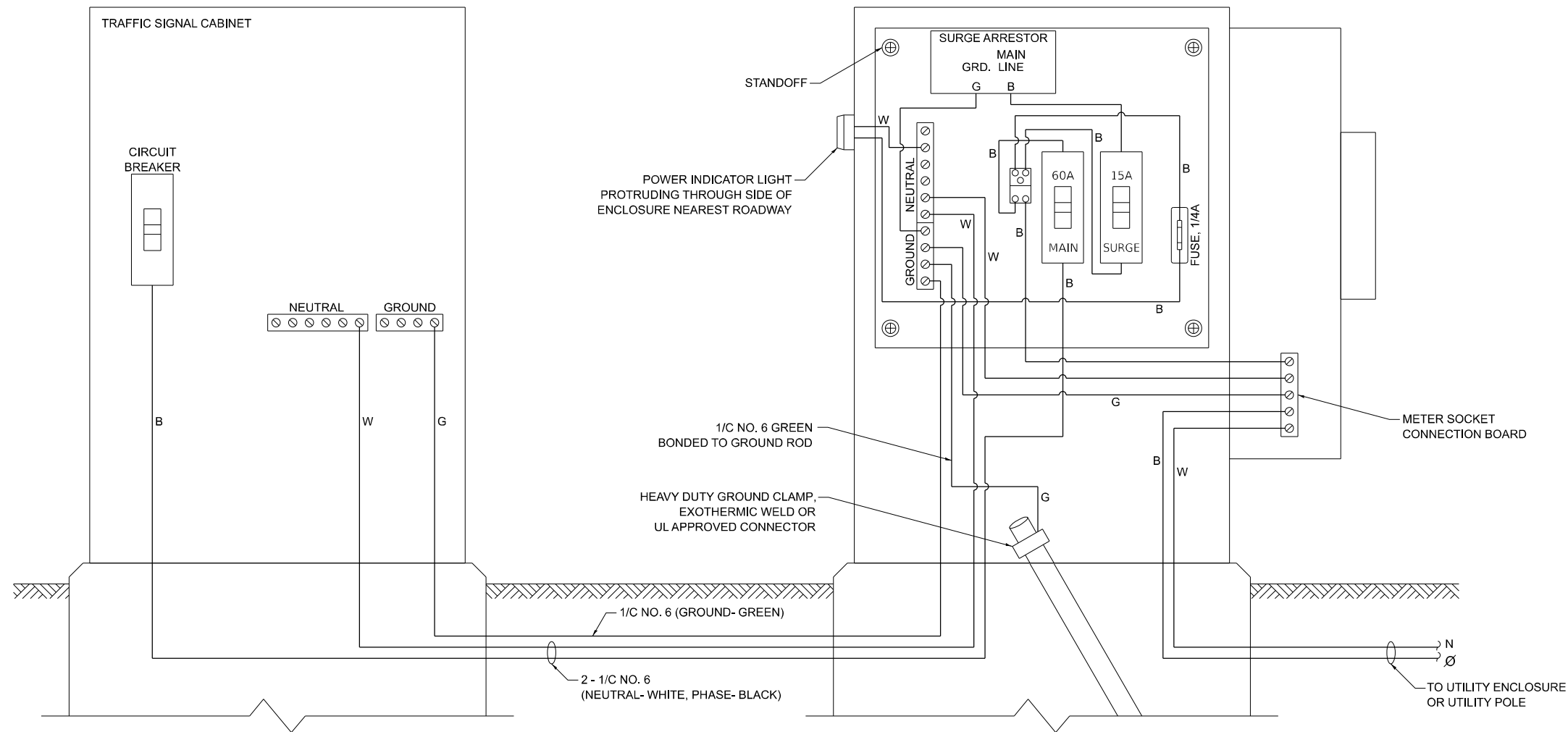
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PLOT DATE = 1/30/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

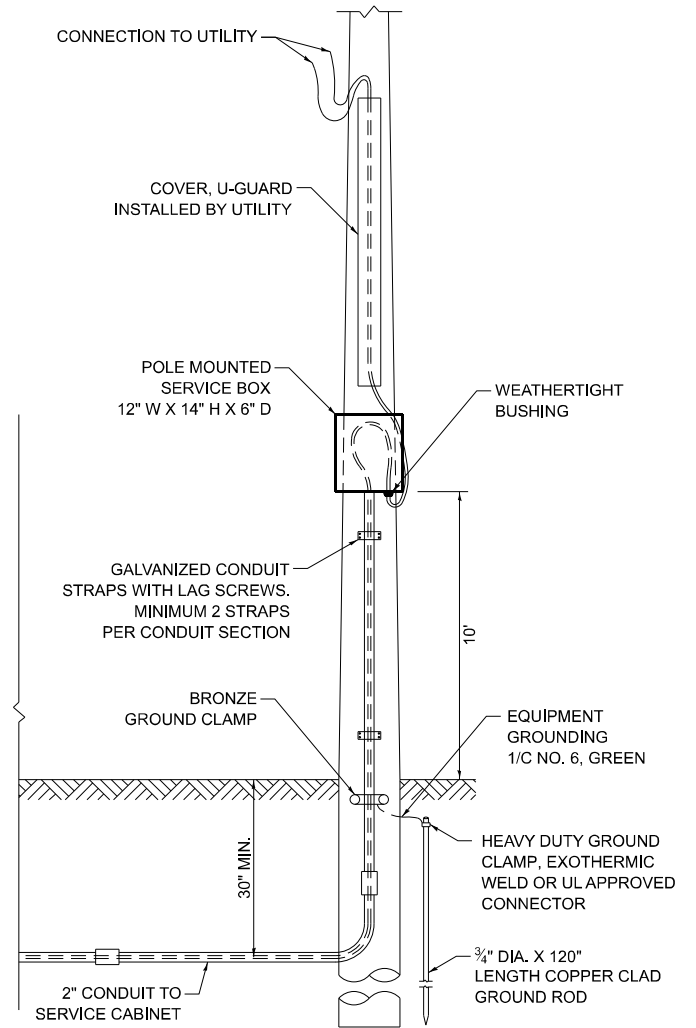
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	29
<b>TS-01</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				



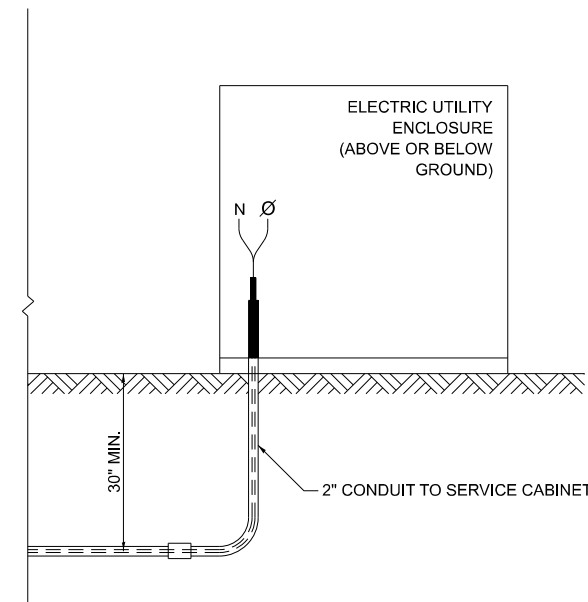
**ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET**

**NOTES:**

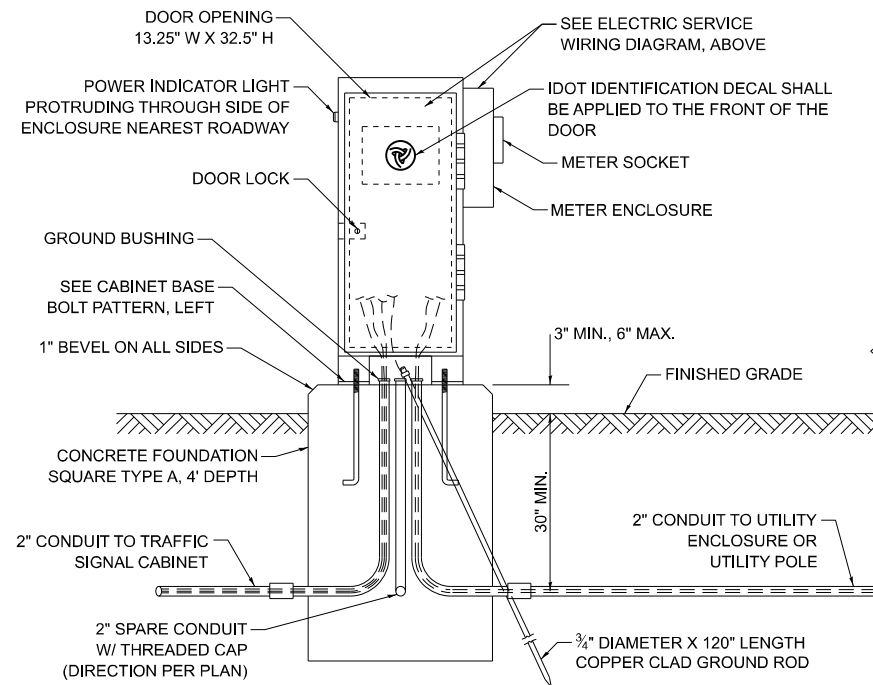
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3.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



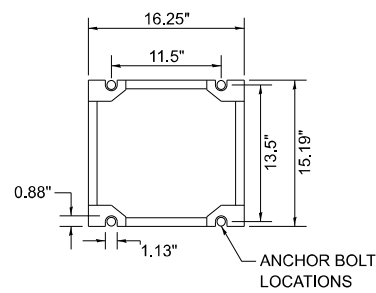
**CONNECTION TO UTILITY POLE**



**CONNECTION TO UTILITY ENCLOSURE**



**SERVICE INSTALLATION - GROUND MOUNTED WITH METER**



**CABINET BASE BOLT PATTERN**

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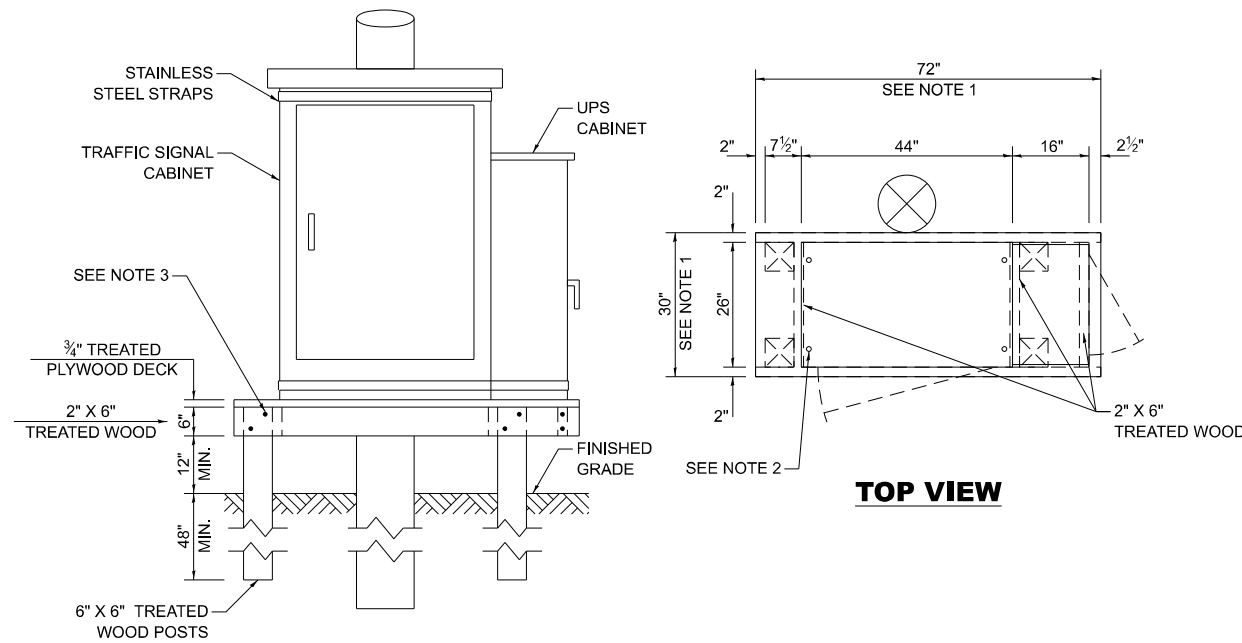
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 30
<b>TS-01</b>		CONTRACT NO. 80C49		
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.

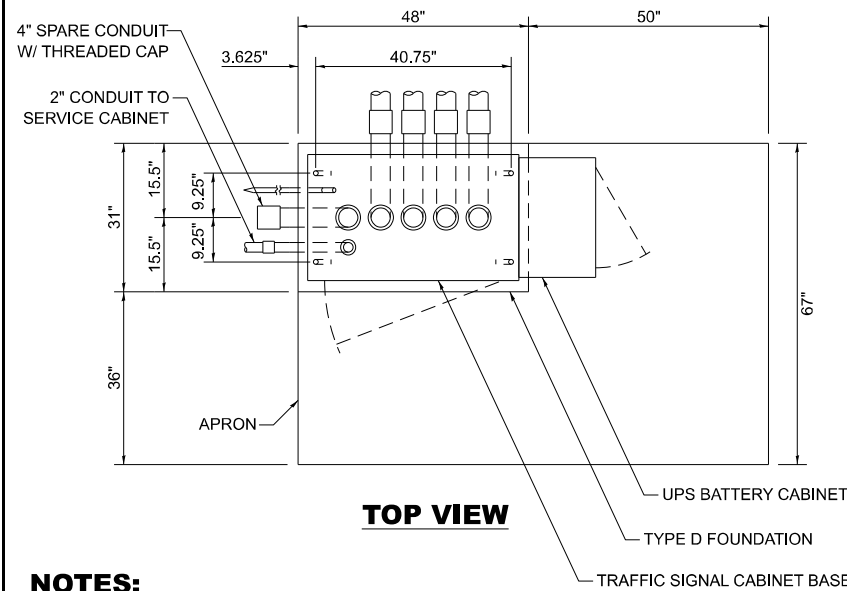
**TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM**

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

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

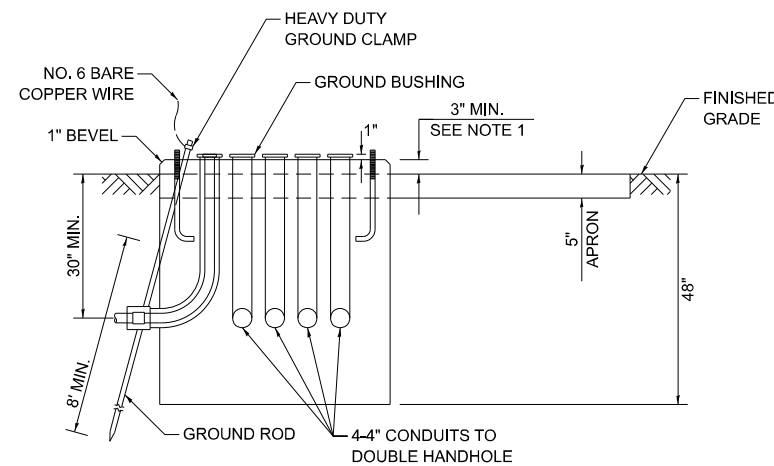
**TYPE E FOUNDATION NOTES:**

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

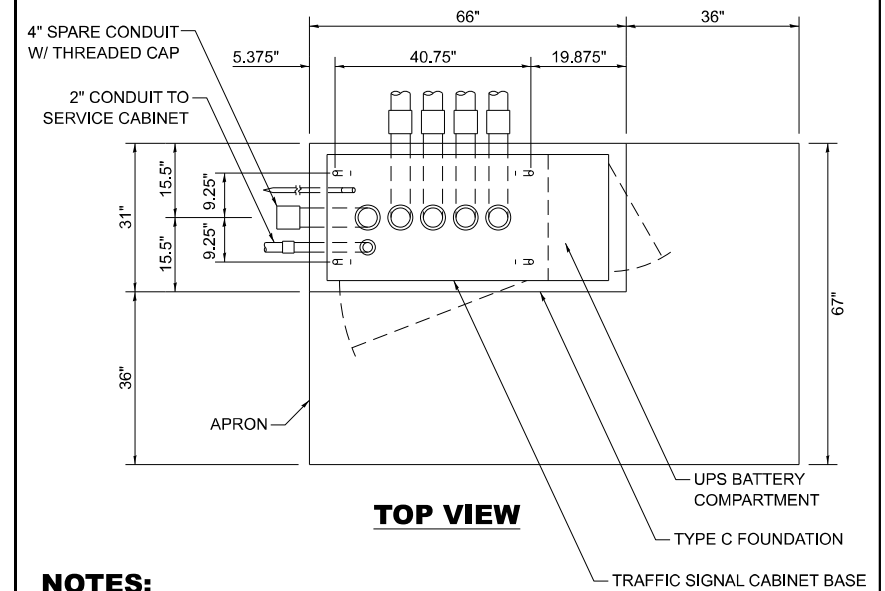


**NOTES:**

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

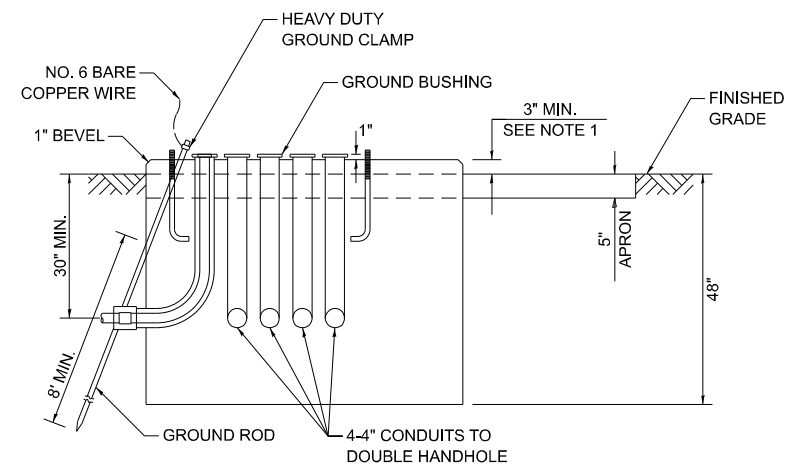


**TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET**



**NOTES:**

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



**TYPE C FOUNDATION SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS**

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

**DEPTH OF FOUNDATIONS TYPES A, C & D**

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

**VERTICAL CABLE LENGTH**

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

**CABLE SLACK LENGTH**

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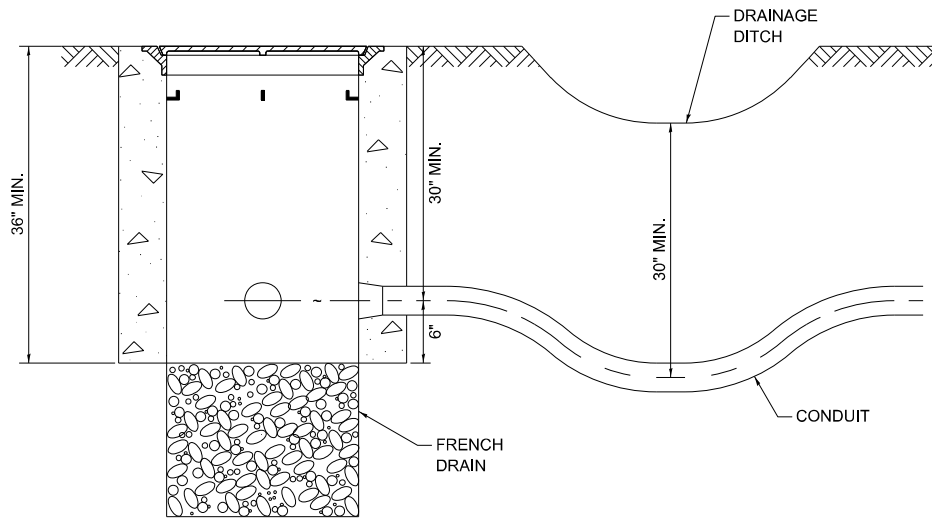
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

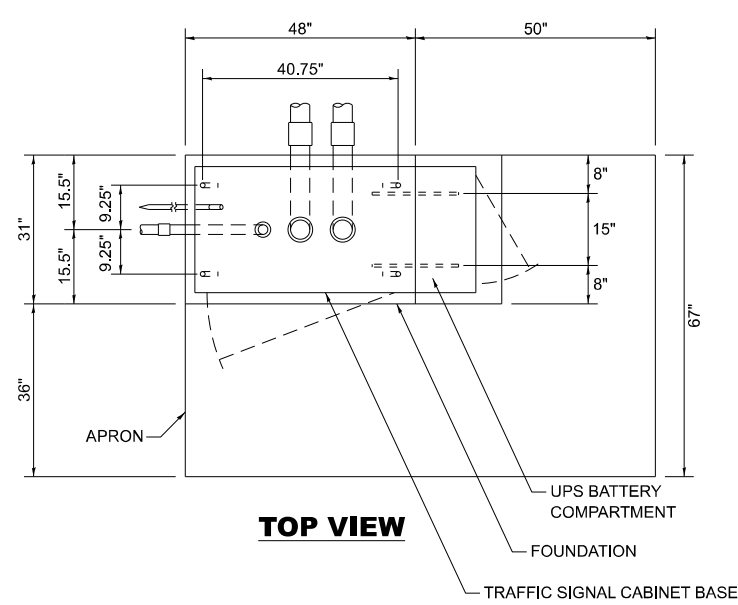
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<b>TS-01</b>		CONTRACT NO. 80C49		
ILLINOIS FED. AID PROJECT				



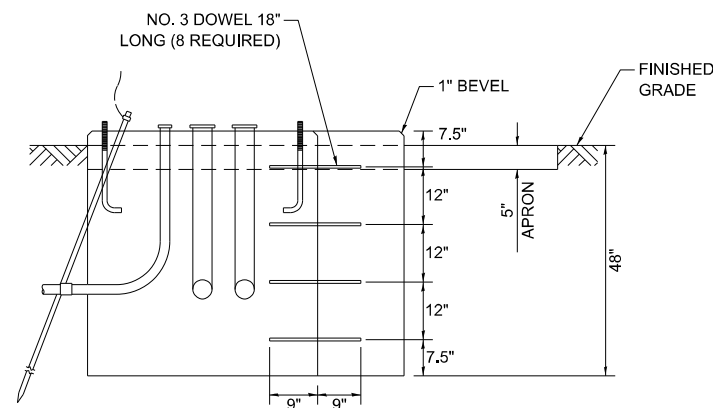
**NOTES:**

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.

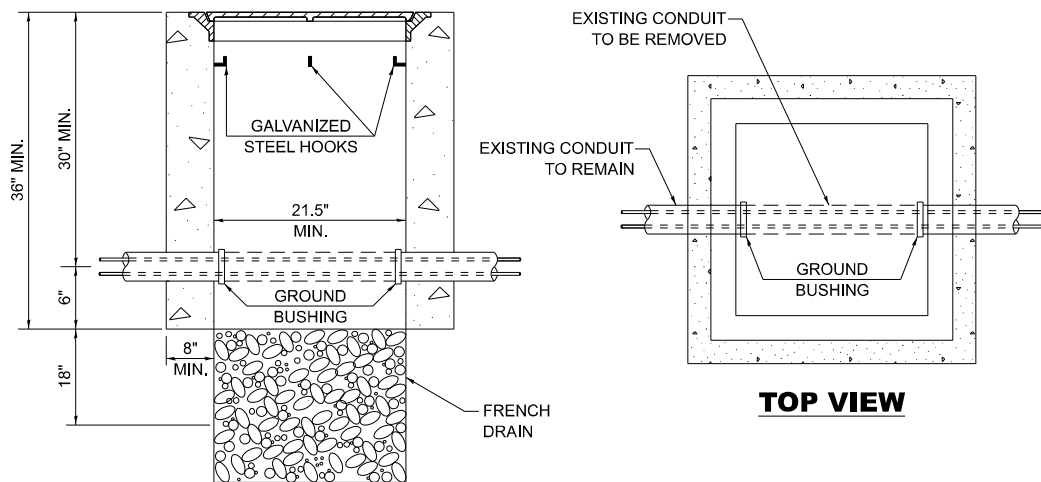
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**



**TOP VIEW**



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

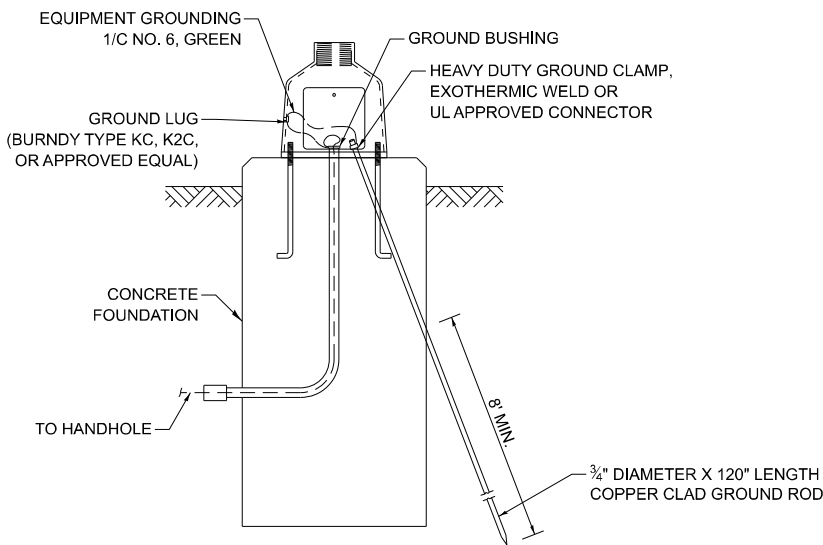


**TOP VIEW**

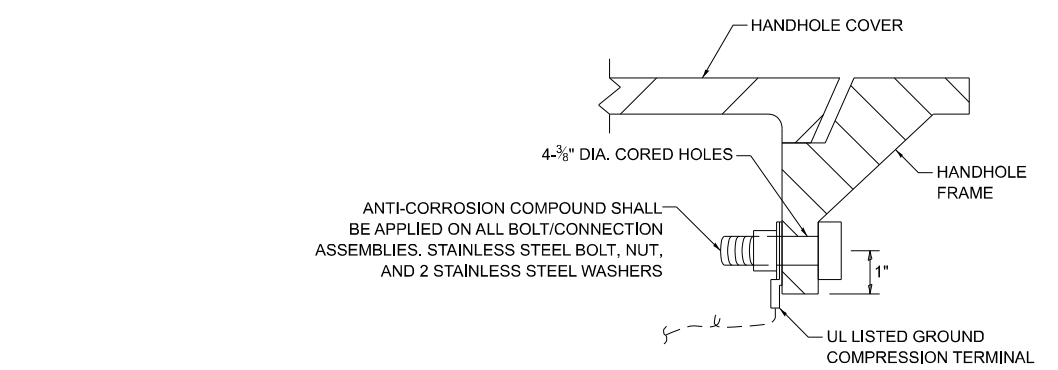
**NOTES:**

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.

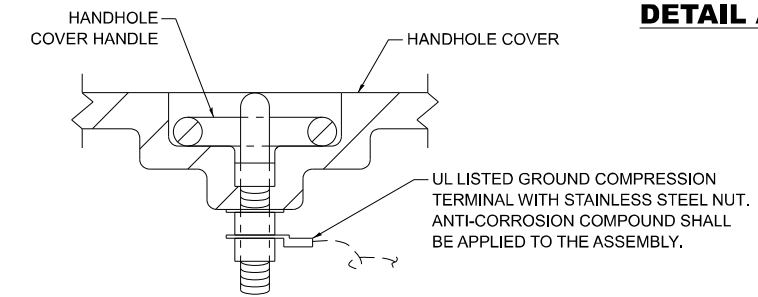
**HANDHOLE TO INTERCEPT EXISTING CONDUIT**



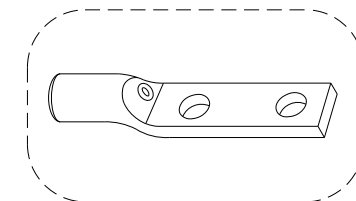
**MAST ARM / POST GROUNDING DETAIL**



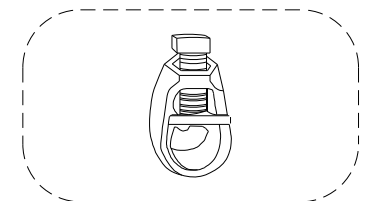
**DETAIL A**



**DETAIL B**



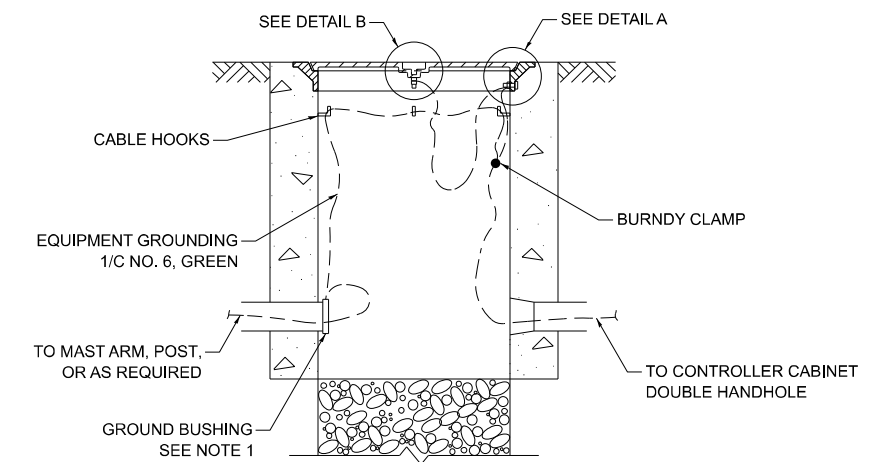
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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

**NOTES:**

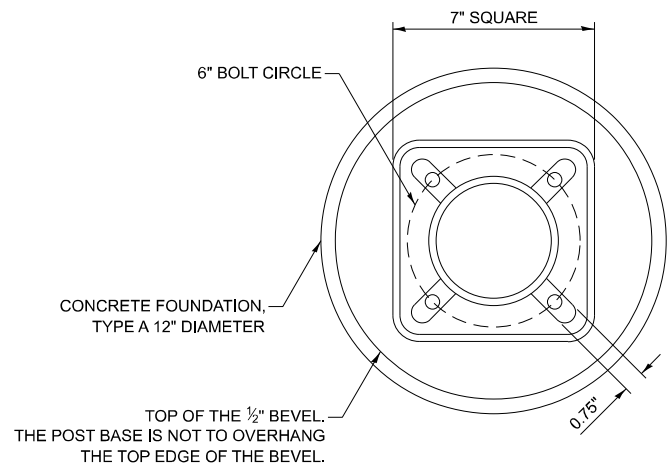
1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDING.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME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



**HANDHOLE GROUNDING DETAIL**

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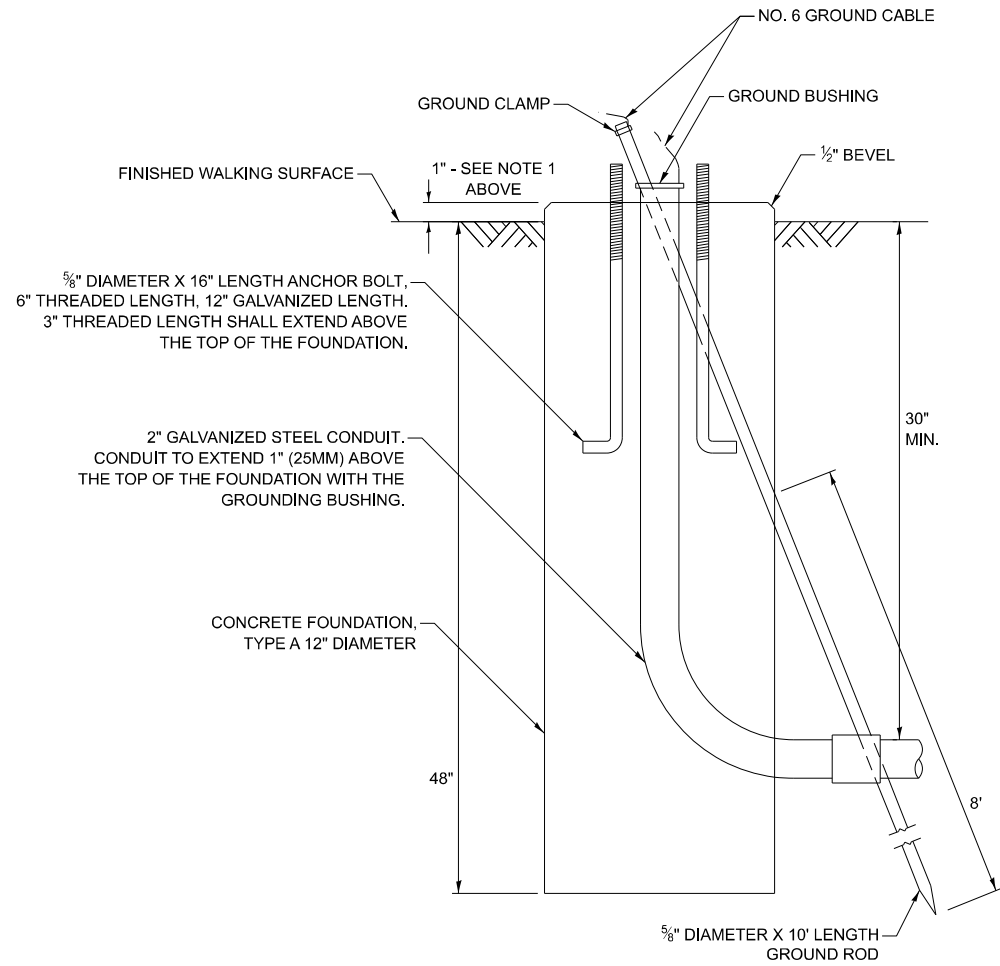
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PLOT DATE = 1/29/2026	DATE - 10/15/2025	REVISED -



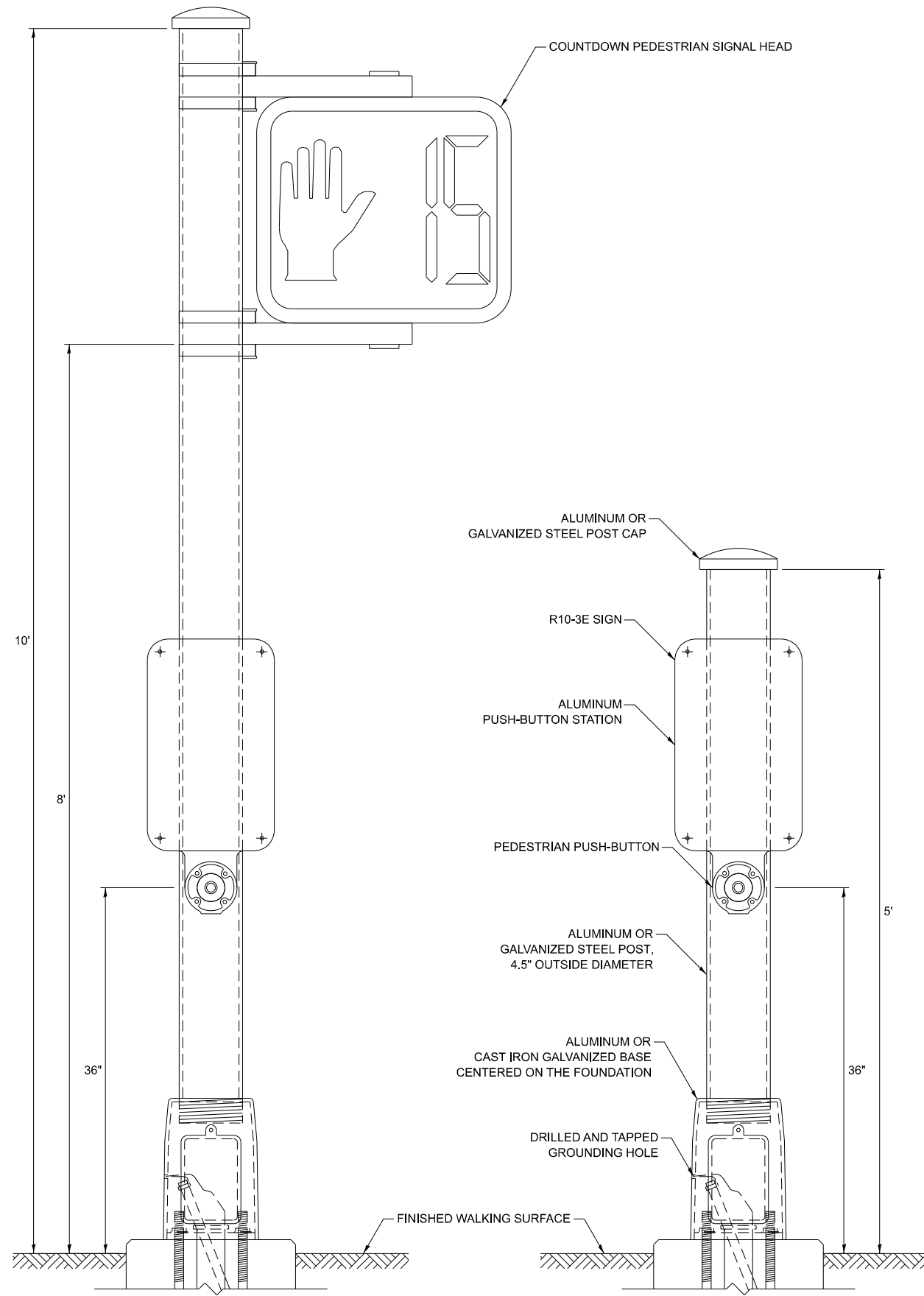
**BOLT PATTERN**

**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.

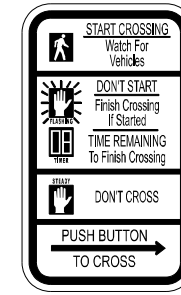


**CONCRETE FOUNDATION,  
TYPE A 12-INCH DIAMETER**



**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-0541 (Sheet)  
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PLOT DATE = 1/30/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

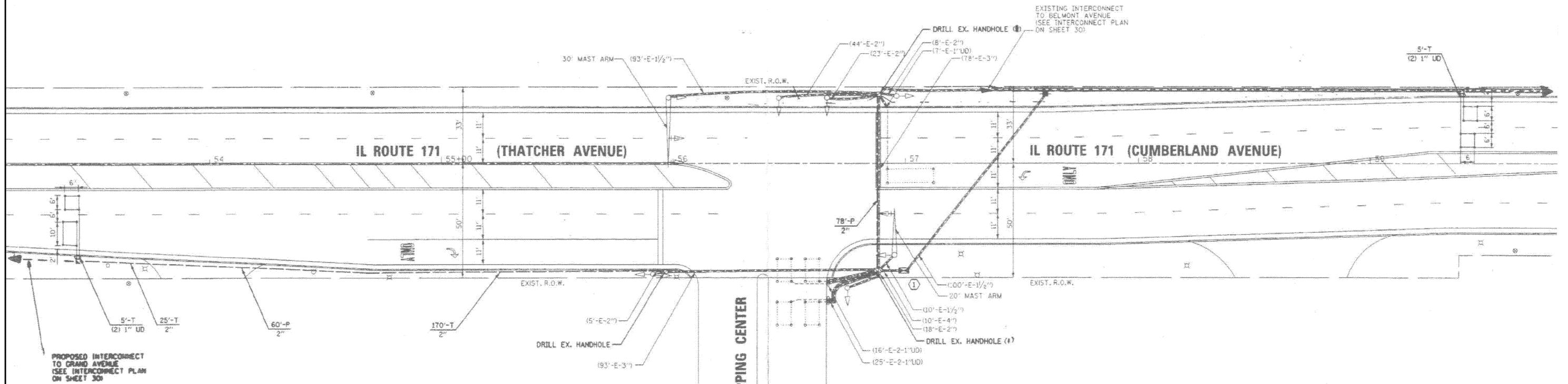
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 33
<b>TS-01</b>		CONTRACT NO. 80C49		
ILLINOIS FED. AID PROJECT				



# FOR REFERENCE ONLY



**TRAFFIC SIGNAL LEGEND**

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER SERVICE INSTALLATION			EMERGENCY VEHICLE LIGHT DETECTOR		
SIGNAL HEAD			CONFIRMATION BEACON		
SIGNAL HEAD WITH BACKPLATE			SIGNAL HEAD OPTICALLY PROGRAMMED		
SIGNAL HEAD, PEDESTRIAN			CONDUIT SPLICE		
SIGNAL POST			WOOD POLE		
MAST ARM ASSEMBLY AND POLE, STEEL			RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
MAST ARM ASSEMBLY AND POLE, ALUMINUM			VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE			RAILROAD CONTROL CABINET		
UNIT DUCT			TELEPHONE CONNECTION		
COMMON TRENCH			ILLUMINATED SIGN "NO LEFT TURN"		
HANDHOLE			ILLUMINATED SIGN "NO RIGHT TURN"		
HEAVY DUTY HANDHOLE			MICROWAVE VEHICLE SENSOR		
DOUBLE HANDHOLE					
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)					
PEDESTRIAN PUSHBUTTON DETECTOR					
DETECTOR LOOP					
CAST IRON JUNCTION BOX					

MODEL: Detector Loop 8 (Sheet)  
FILE NAME: c:\p\work\ts4203\ts4203-sh-detailed.dgn

**TS 4203  
EAGLE 2J**

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

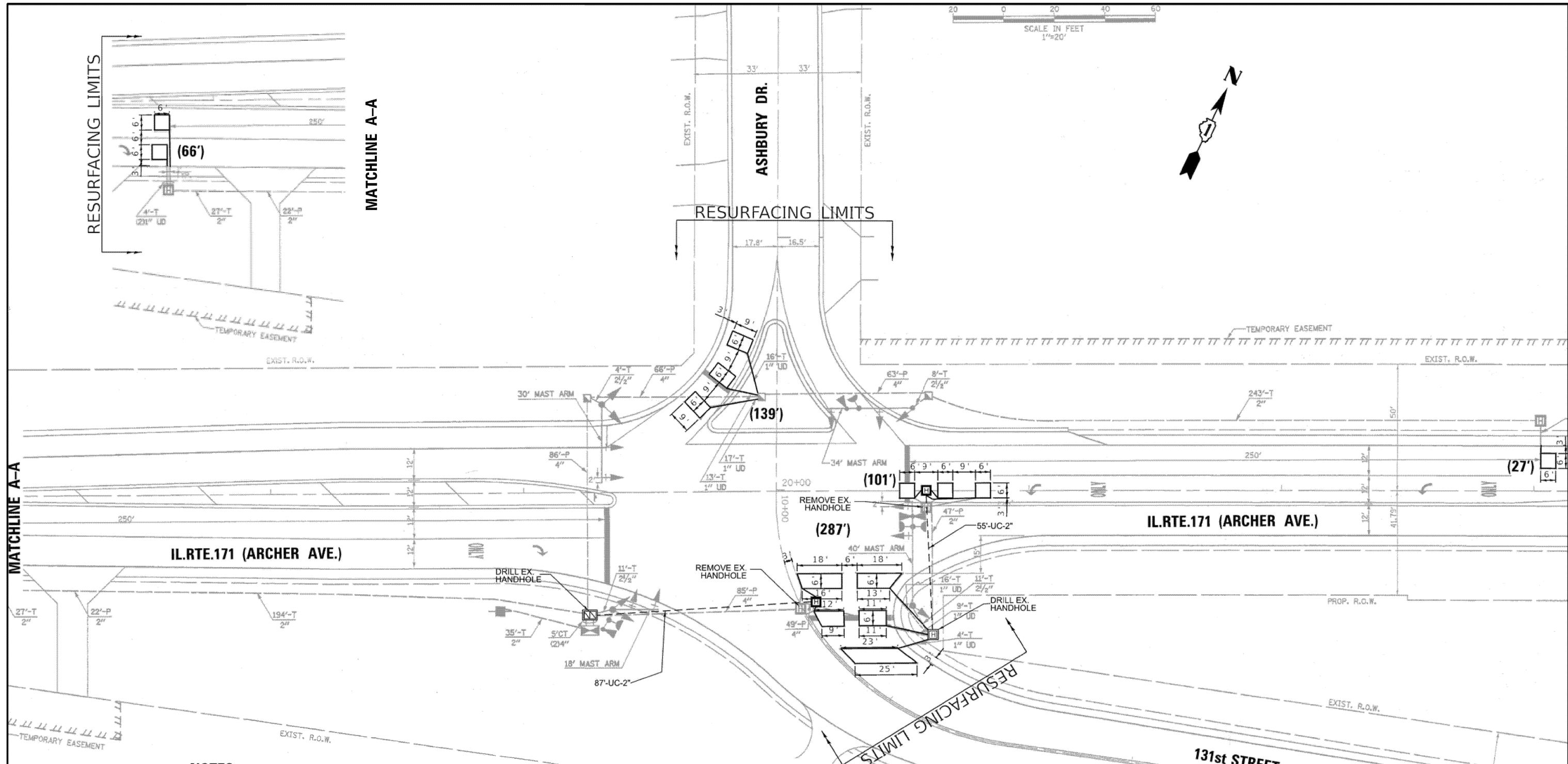
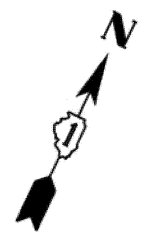
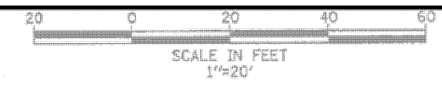
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL PLAN  
IL RTE. 171 (ARCHER AVE.) AT THATCHER WOODS SHOPPING CENTER**

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 33A
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET Detector Loop 8 SHEETS STA. TO STA.





- NOTES:**
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
  2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	142
HEAVY-DUTY HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	337
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP, TYPE I	FOOT	620
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	328
REMOVE EXISTING HANDHOLE	EACH	2

MODEL: Detector Loop 2 (Sheet)  
 FILE NAME: c:\pwworkspace\garumid1056841\11326-sh-details.dgn

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

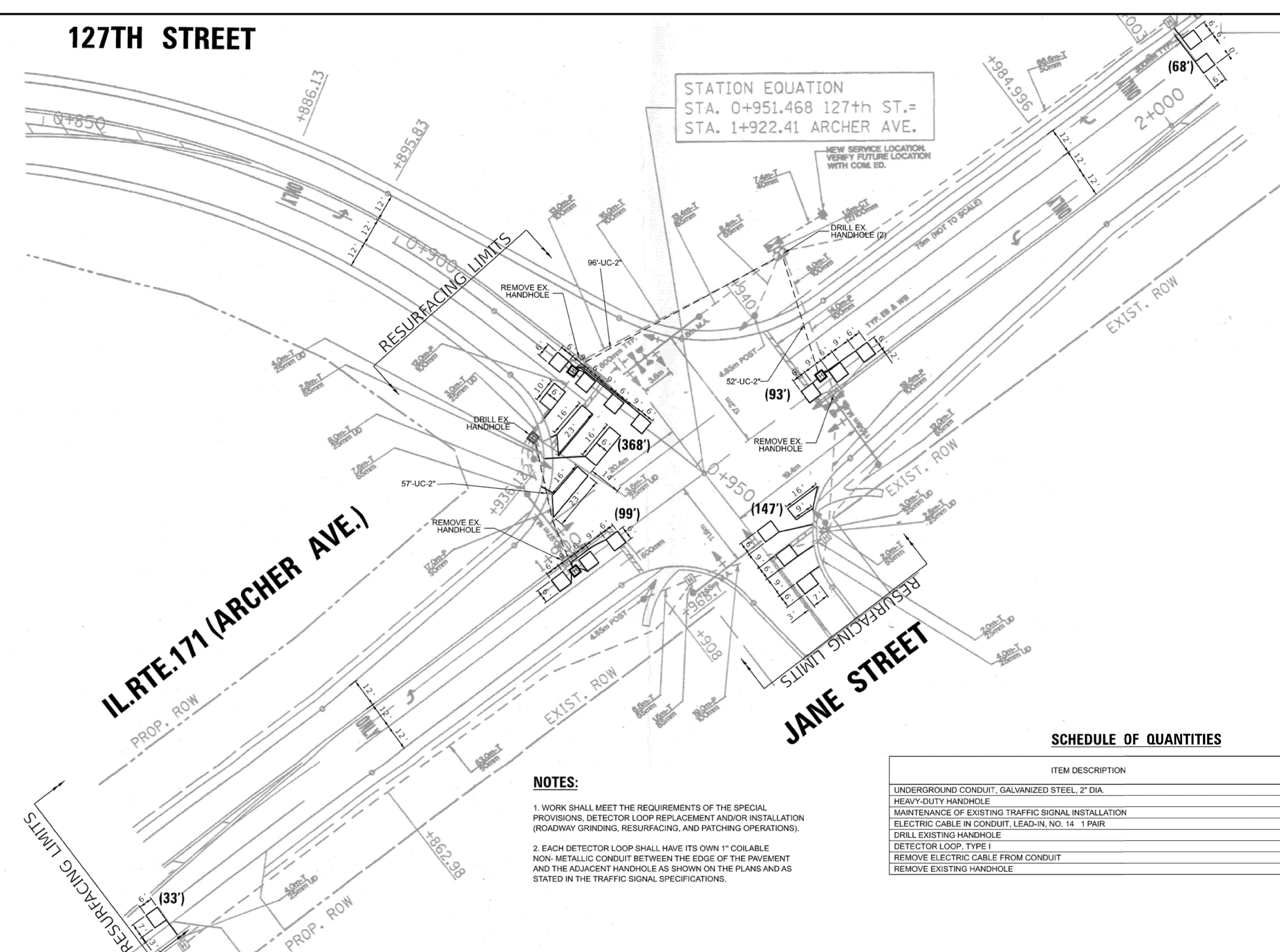
**DETECTOR LOOP REPLACEMENT PLAN  
IL RTE. 171 (ARCHER AVE.) AT ASHBURY DR.**

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

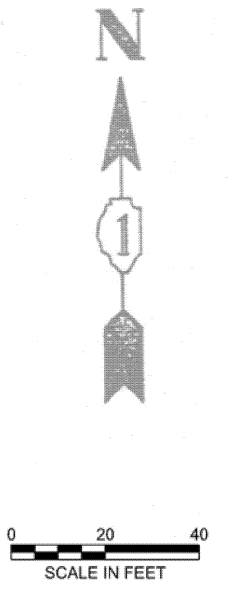
F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 35
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

**TS 21473**

# 127TH STREET



STATION EQUATION  
 STA. 0+951.468 127th ST.=  
 STA. 1+922.41 ARCHER AVE.



IL. RTE. 171 (ARCHER AVE.)

JANE STREET

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	205
HEAVY-DUTY HANDHOLE	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	422
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	808
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	415
REMOVE EXISTING HANDHOLE	EACH	3

TS 2226

MODEL: Detector Loop 3 (Sheet)  
 FILE NAME: c:\pwworking\arunm1056841\11326-shi-details.dgn

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

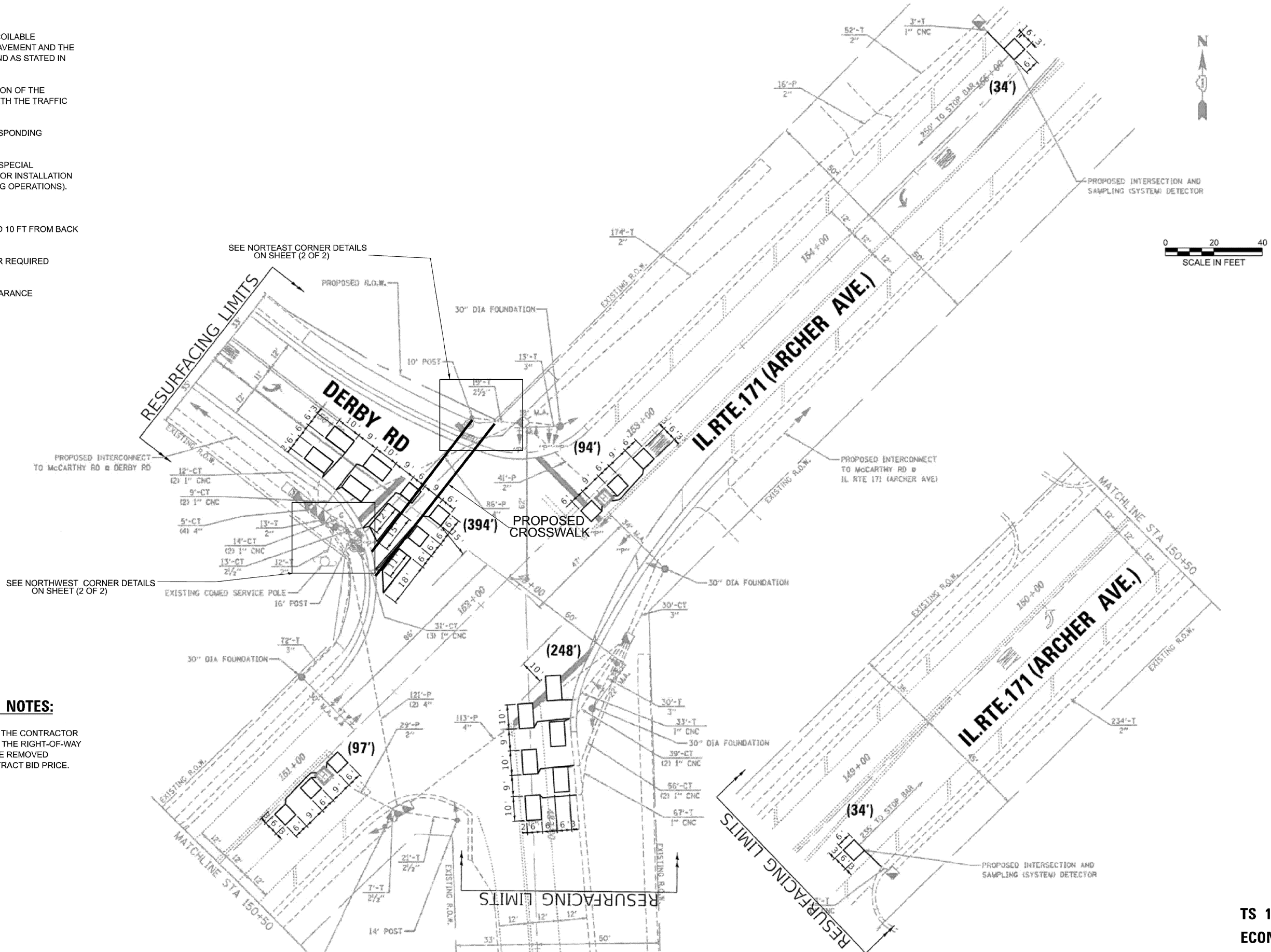
**DETECTOR LOOP REPLACEMENT PLAN**  
**IL RTE. 171 (ARCHER AVE.) AT 127TH STREET (JANE STREET)**

SCALE: SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 36
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.
3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.
4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
5. ALL PUSH BUTTONS SHALL BE APS
6. NO PROPOSED PEDESTRIAN POST SHALL EXCEED 10 FT FROM BACK OF CURB
7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED
8. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE NEXT TO TRAFFIC SIGNAL FOUNDATIONS TO BE ADA COMPLIANT



**REMOVAL AND RELOCATION NOTES:**

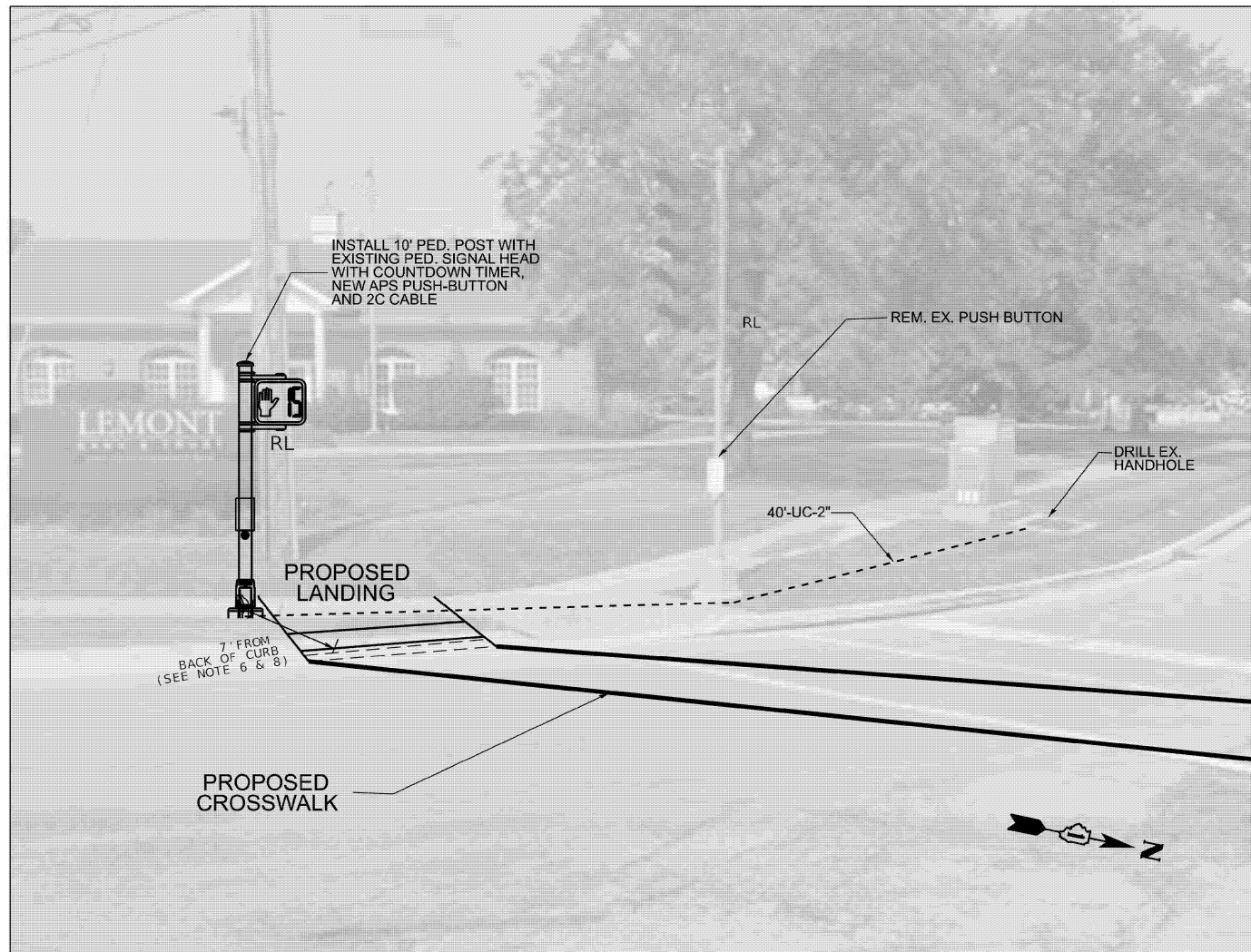
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 2 EACH PEDESTRIAN PUSH-BUTTON

MODEL: Detector Loop 4 (Sheet)  
 FILE NAME: c:\p\work\k\av\01\056841\11326-spl-details.dgn

**TS 14861  
ECON 31**

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 1 OF 2) IL RTE. 171 (ARCHER AVE.) AT DERBY ROAD</b>	F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 37	
	DRAWN -	REVISED -			SCALE: SHEET 11 OF 14 SHEETS STA. TO STA.	CONTRACT NO. 80C49				
	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/30/2026	DATE -	REVISED -								



NORTHWEST CORNER



NORTHEAST CORNER

MODEL: Detector Loop 5 (Sheet)  
FILE NAME: c:\pwworking\arunm\1056841\11326-shi-details.dgn

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/29/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

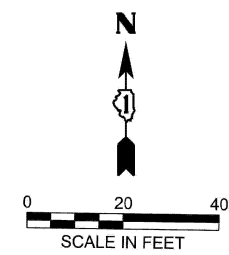
TRAFFIC SIGNAL MODERNIZATION PLAN (SHEET 2 OF 2)  
IL RTE. 171 (ARCHER AVE.) AT DERBY ROAD

SCALE: SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	38
CONTRACT NO. 80C49				
ILLINOIS FED. AID PROJECT				

TS 14861  
ECON 31



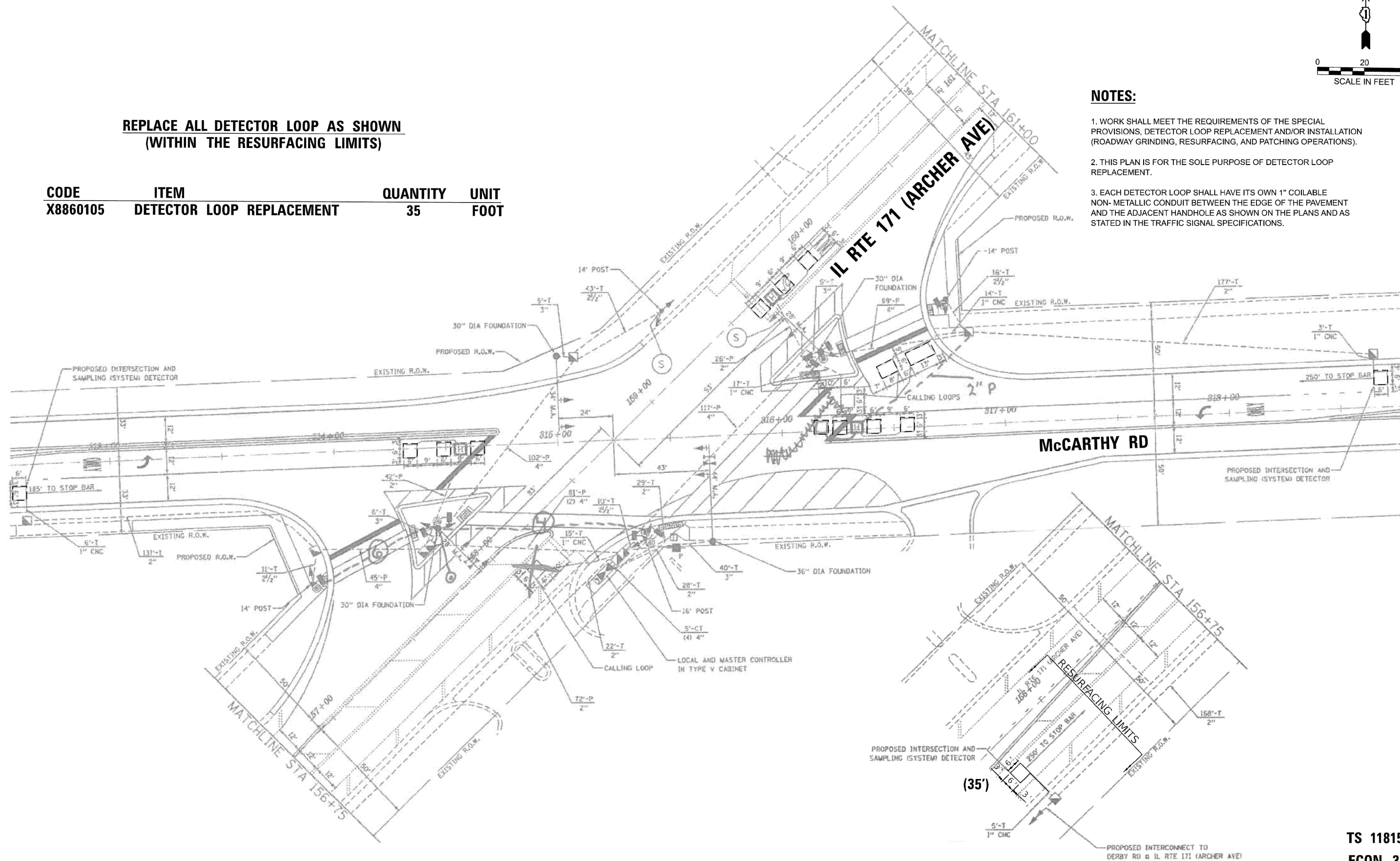


**REPLACE ALL DETECTOR LOOP AS SHOWN  
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	35	FOOT

**NOTES:**

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF THE PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



MODEL: Detector Loop 7 (Sheet)  
FILE NAME: c:\pwworkspace\garum\1056841\11326-shi-details.dgn

**TS 11815  
ECON 31**

USER NAME = Nedal.Qarut	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN IL RTE. 171 (ARCHER AVE.) AT MCCARTHY RD.</b>	F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 40	
	DRAWN -	REVISED -			SCALE: SHEET 14 OF 14 SHEETS STA. TO STA.	CONTRACT NO. 80C49				
	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
PLOT DATE = 1/30/2026	DATE -	REVISED -								

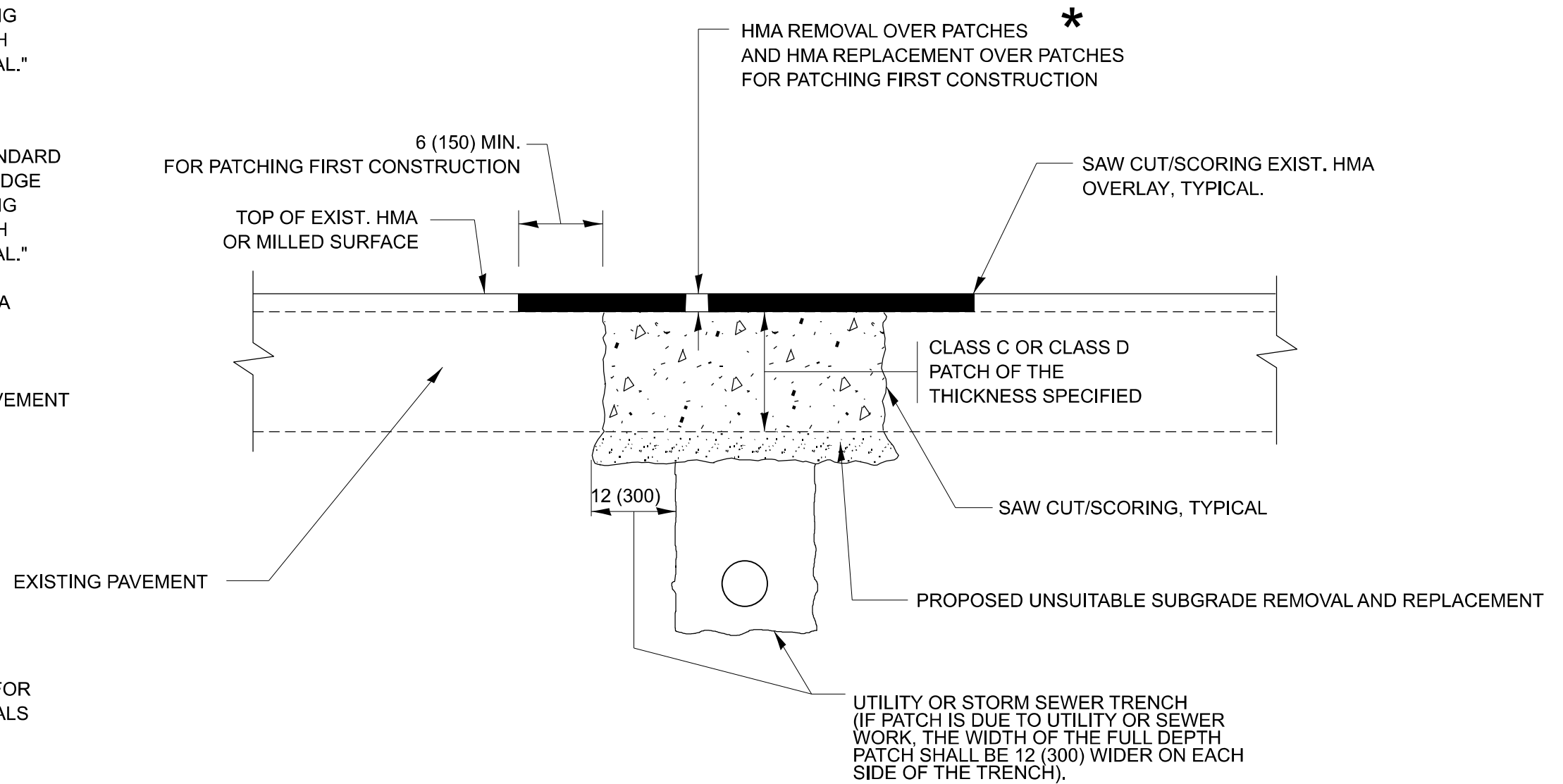


## METHOD OF MEASUREMENT

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.

MODEL: BD-22 (Sheet)  
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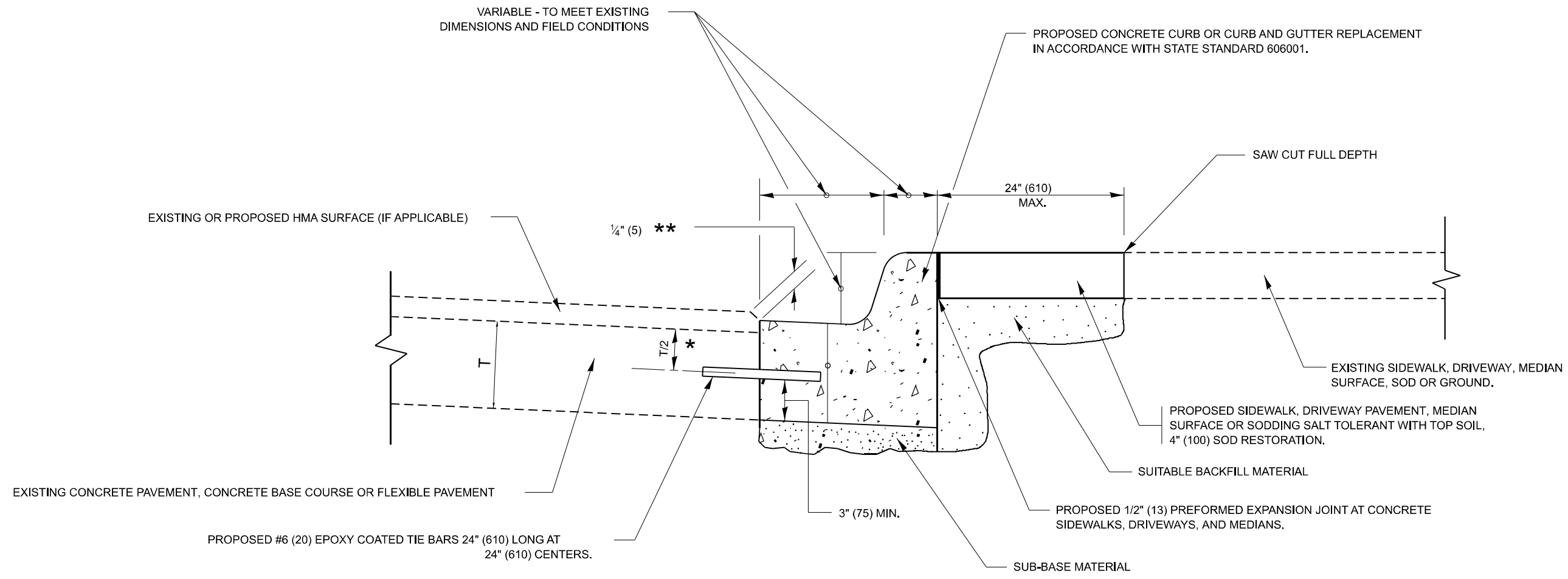
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	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 1/30/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

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	2025-2106-RS	COOK	56	42
BD400-04 (BD-22)			CONTRACT NO. 80C49	
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.

MODEL: BD-24 (Sheet)  
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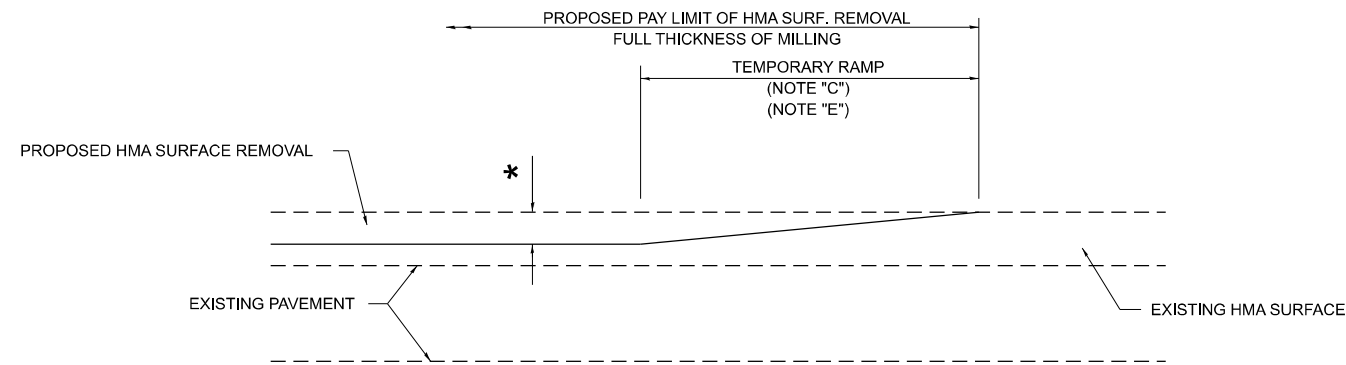
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 1/30/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

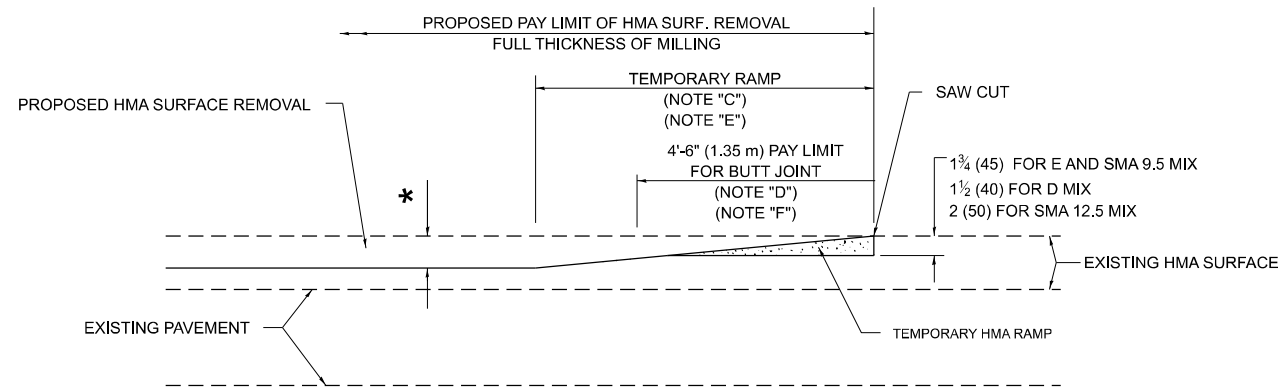
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	43
<b>BD600-06 (BD-24)</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

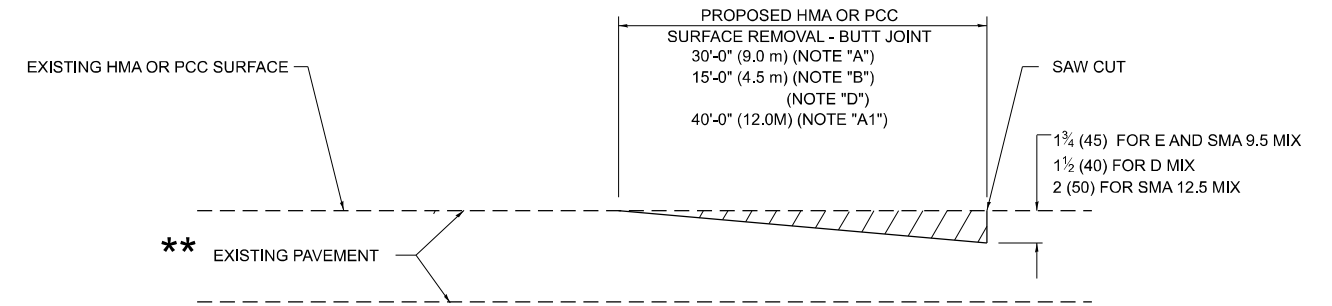


**HMA CONSTRUCTED TEMPORARY RAMP**

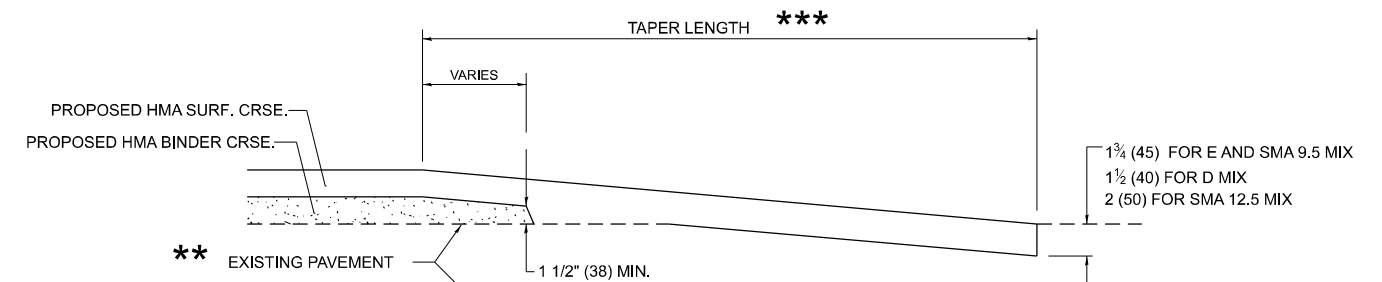
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**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.

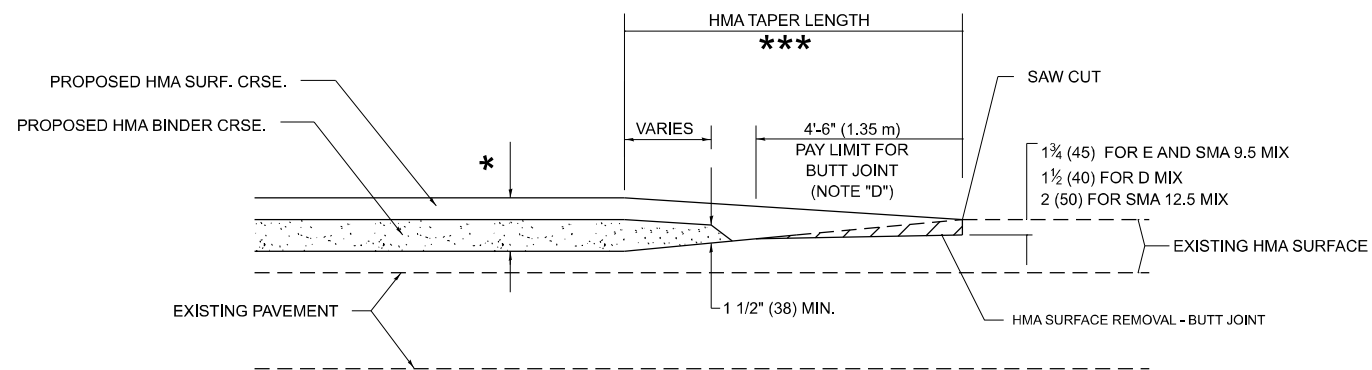
**GENERAL NOTES**

- 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**

MODEL: BD-32 (Sheet)  
FILE NAME: c:\paw\work\paw\cag\mmd\1056841\11326-shr-Dist\Sigs.dgn

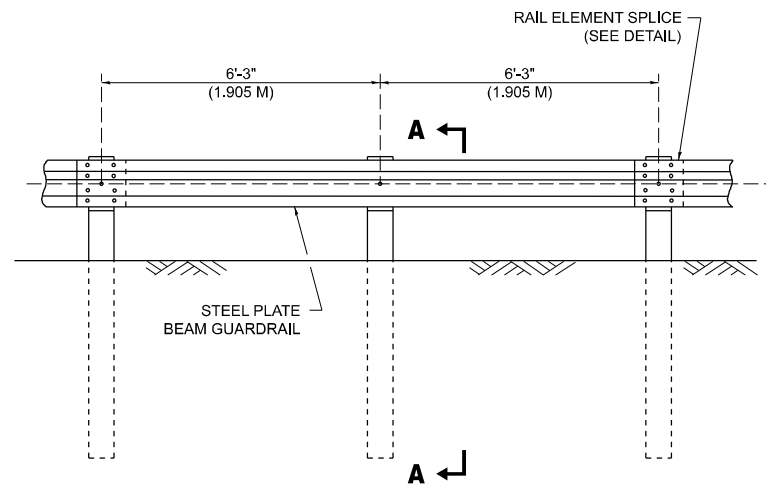
USER NAME = Nedat.Qarut	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 1/30/2026	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**BUTT JOINT AND HMA TAPER DETAILS**

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

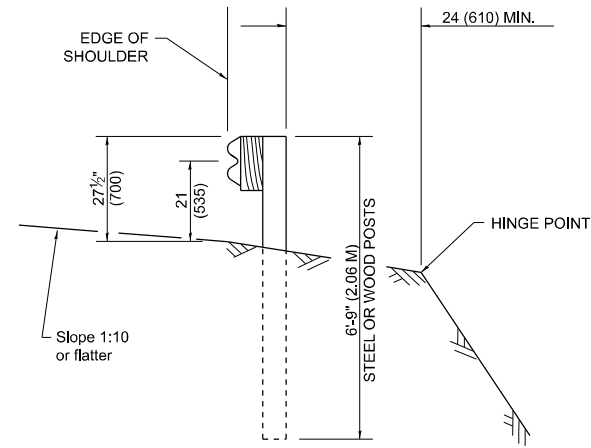
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	44
<b>BD400-05 BD-32</b>		CONTRACT NO. 80C49		
ILLINOIS FED. AID PROJECT				



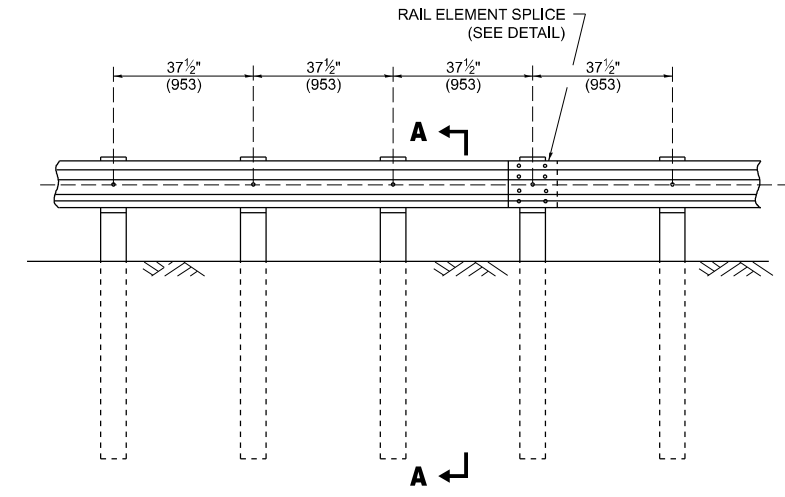
**ELEVATION**

**TYPE A**

6'-3" (1.905 M) TYPICAL POST SPACING



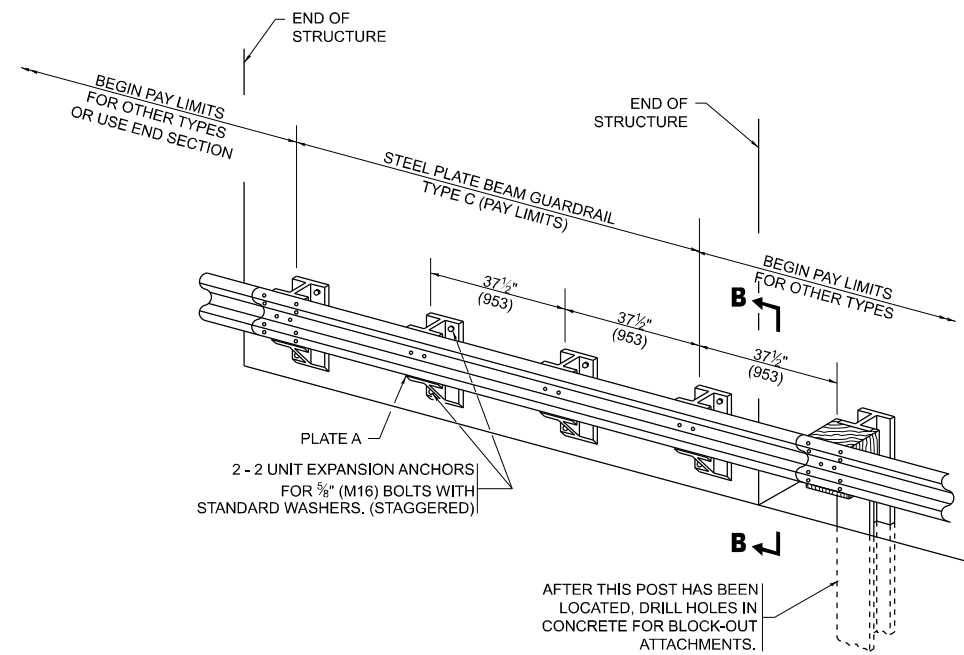
**SECTION A-A**



**ELEVATION**

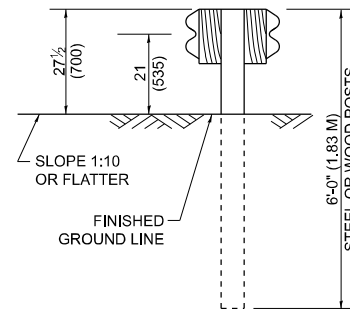
**TYPE A**

37 1/2 (953) CLOSED POST SPACING

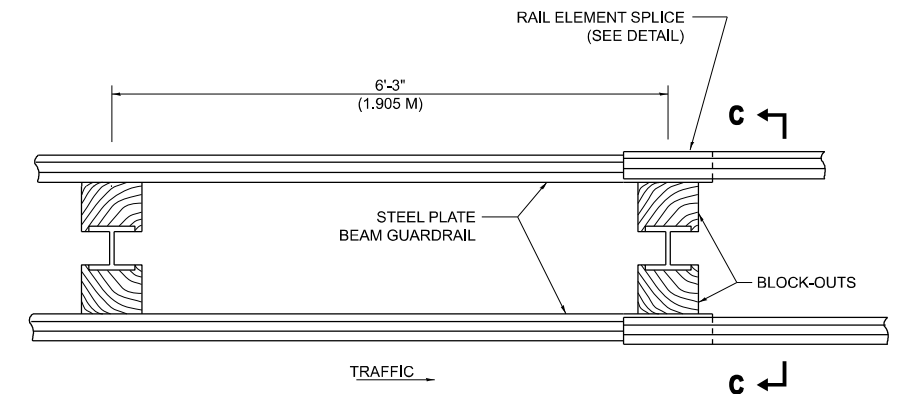


**TYPE C**

37 1/2" (953) BLOCK-OUT SPACING



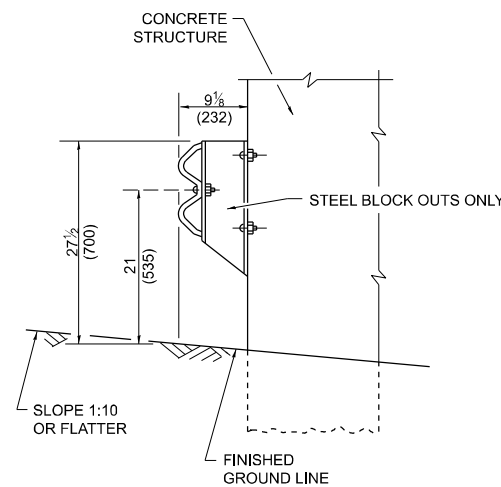
**SECTION C-C**



**PLAN**

**TYPE D**

DOUBLE STEEL PLATE BEAM GUARDRAIL  
6'-3" (1.905 M) TYPICAL POST SPACING



**SECTION B-B**

**GENERAL NOTES**

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

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

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

MODEL: BM-21a (Sheet)  
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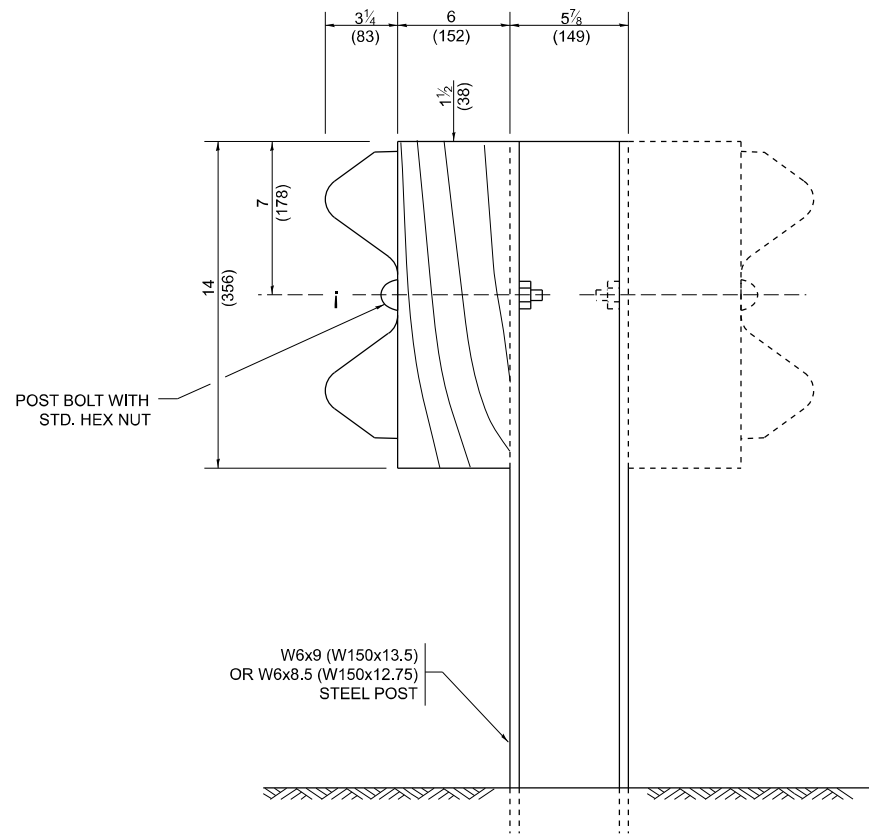
USER NAME = Nedat.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

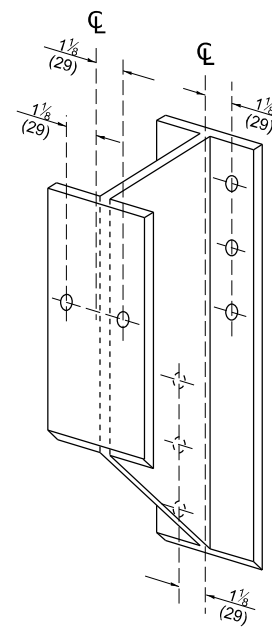
REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

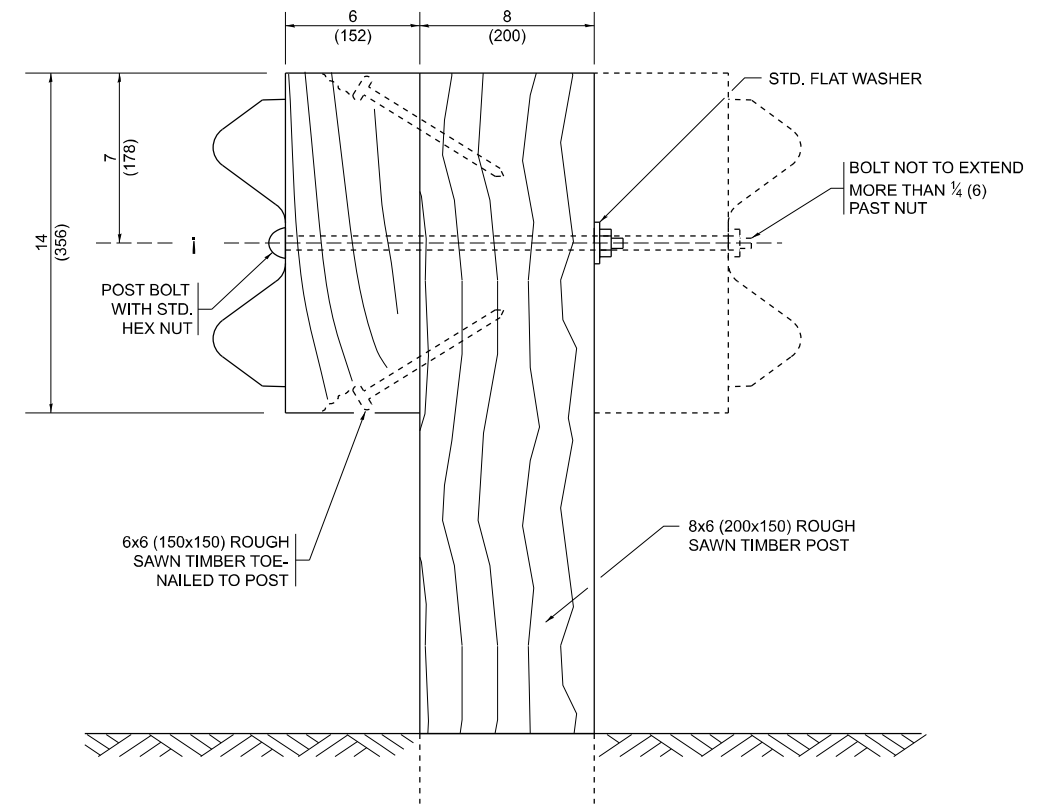
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	45
<b>BM-21</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				



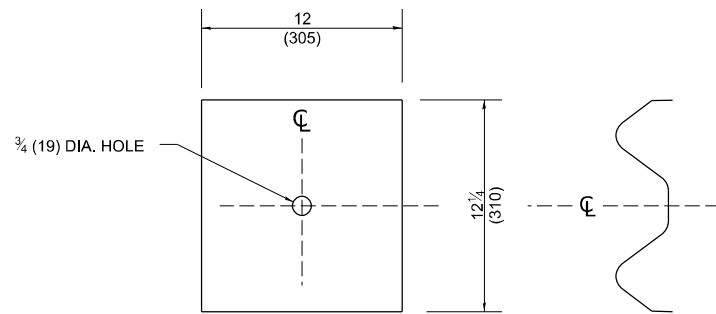
**STEEL POST CONSTRUCTION**



**STEEL BLOCK-OUT DETAIL**



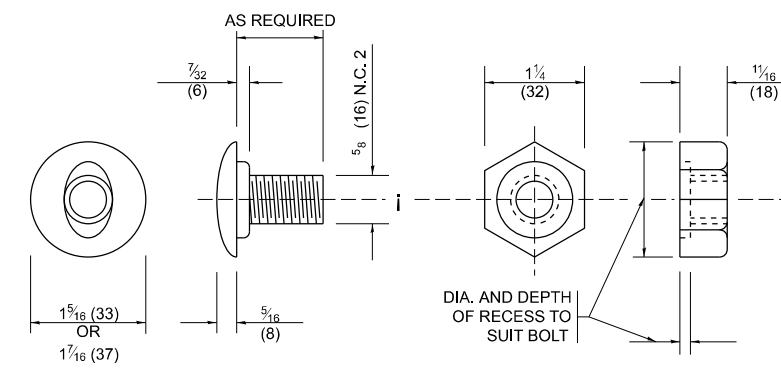
**WOOD POST CONSTRUCTION**



**NOTE:**

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

**PLATE A**



**POST OR SPLICE BOLT & NUT**

MODEL: BM-21b (Sheet)  
FILE NAME: c:\p\work\project\garum\1056841\11326-shr-dist\Sigs.dgn

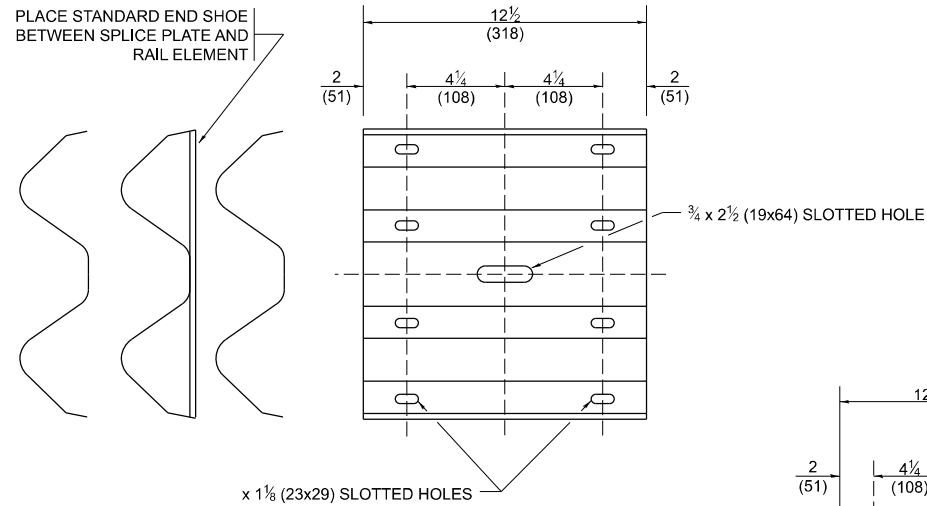
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

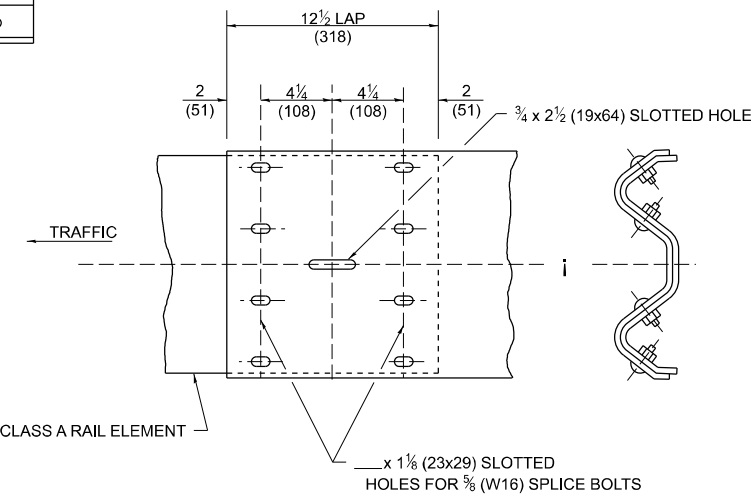
**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

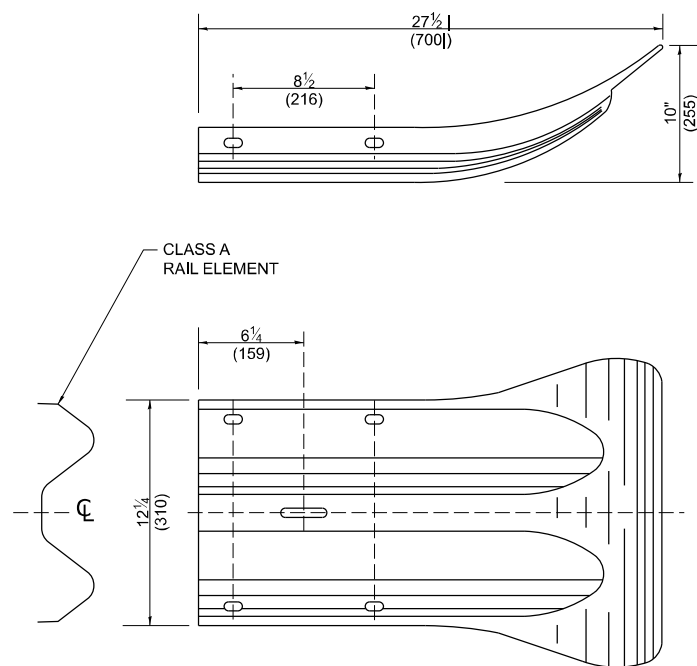
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	46
<b>BM-21</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				



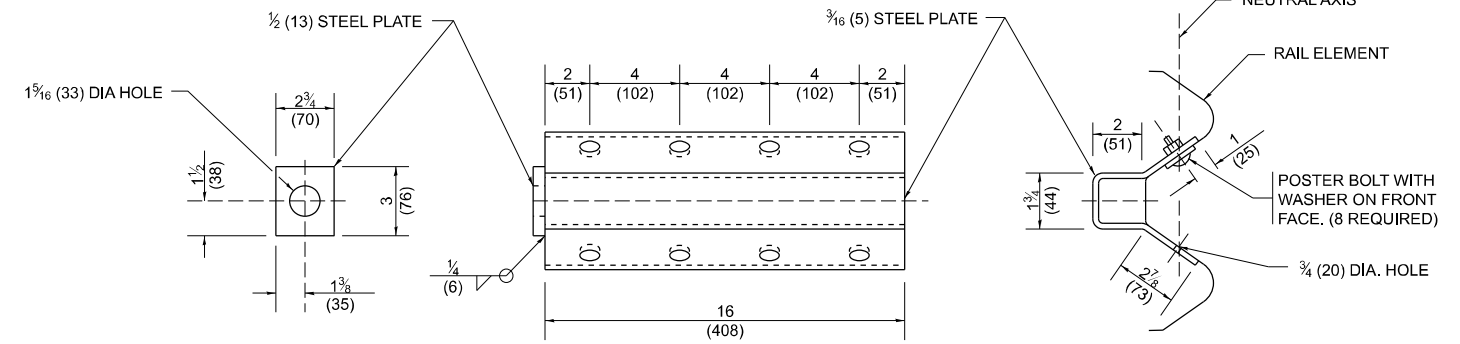
**SPLICE PLATE**



**RAIL ELEMENT SPLICE**



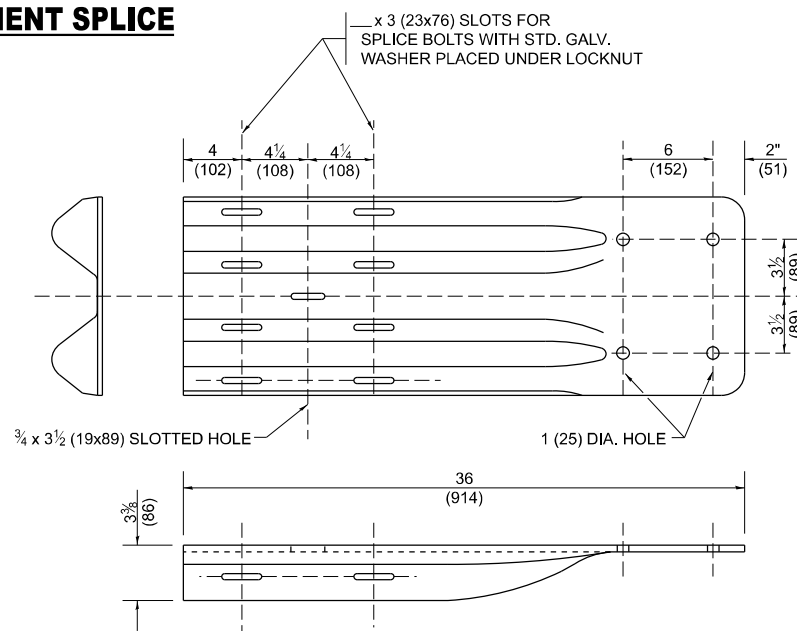
**END SECTION**



**NOTE:**

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

**ANCHORE PLATE T DETAILS**



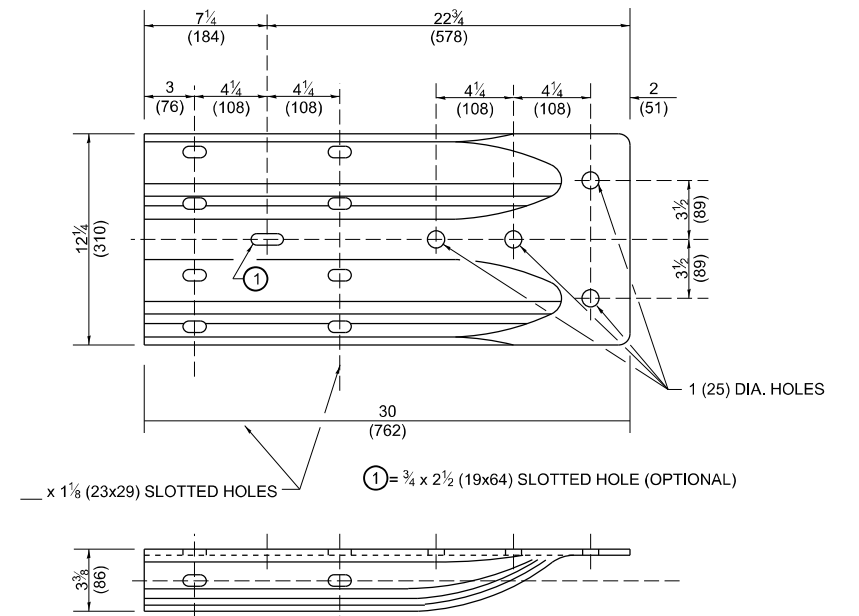
**END SHOE**

**NOTE:**

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



**ALTERNATE END SHOE**

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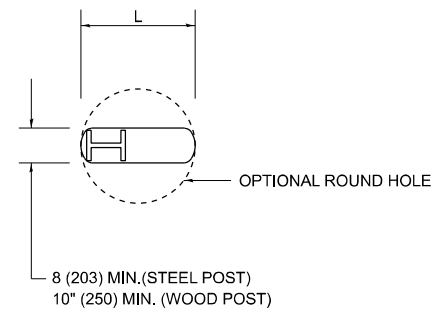
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

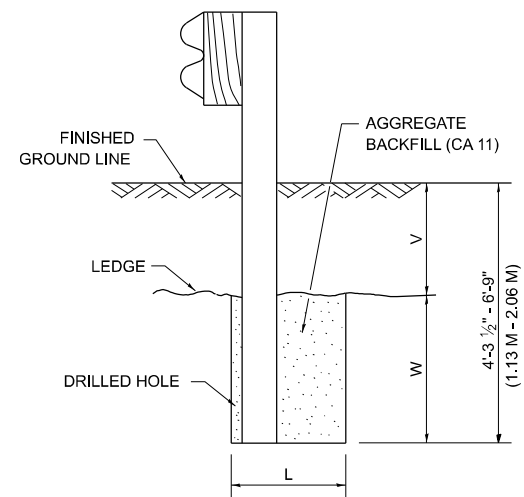
**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 47
<b>BM-21</b>		CONTRACT NO. 80C49		
ILLINOIS FED. AID PROJECT				



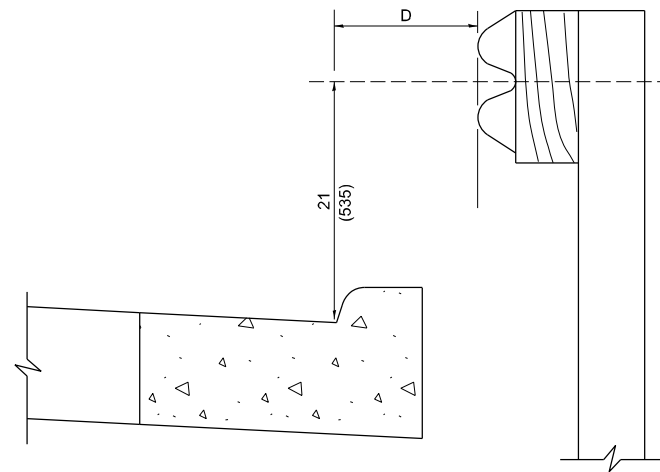
**PLAN**



**NOTE:**  
LEDGE LINE IS TOP OF ROCK LEDGE OR HARD SLAG FILL.

**ELEVATION**

**FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED**



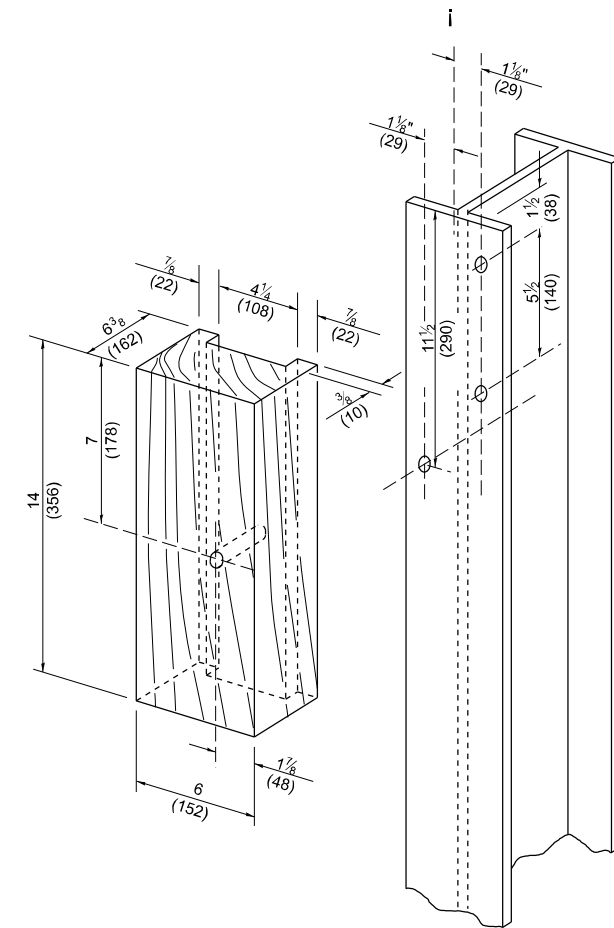
**NOTE:**

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

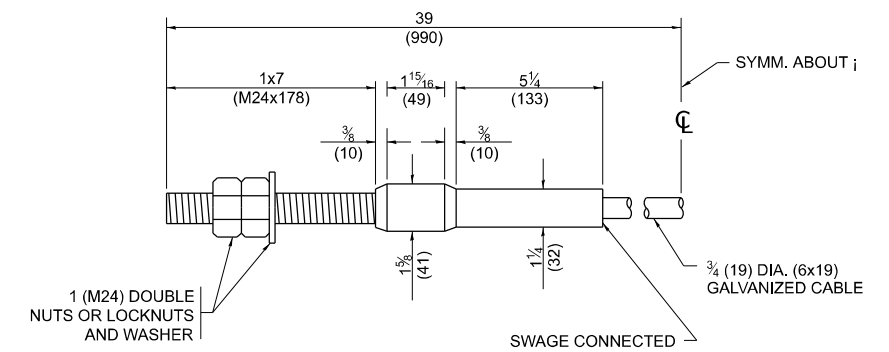
**GUARDRAIL PLACED BEHIND CURB**

(D = 0 DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



**WOOD BLOCK - OUT AND STEEL POST DETAILS**



**CABLE ASSEMBLY**

(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)  
TIGHTEN TO TAUT TENSION

MODEL: BM-21d (Sheet)  
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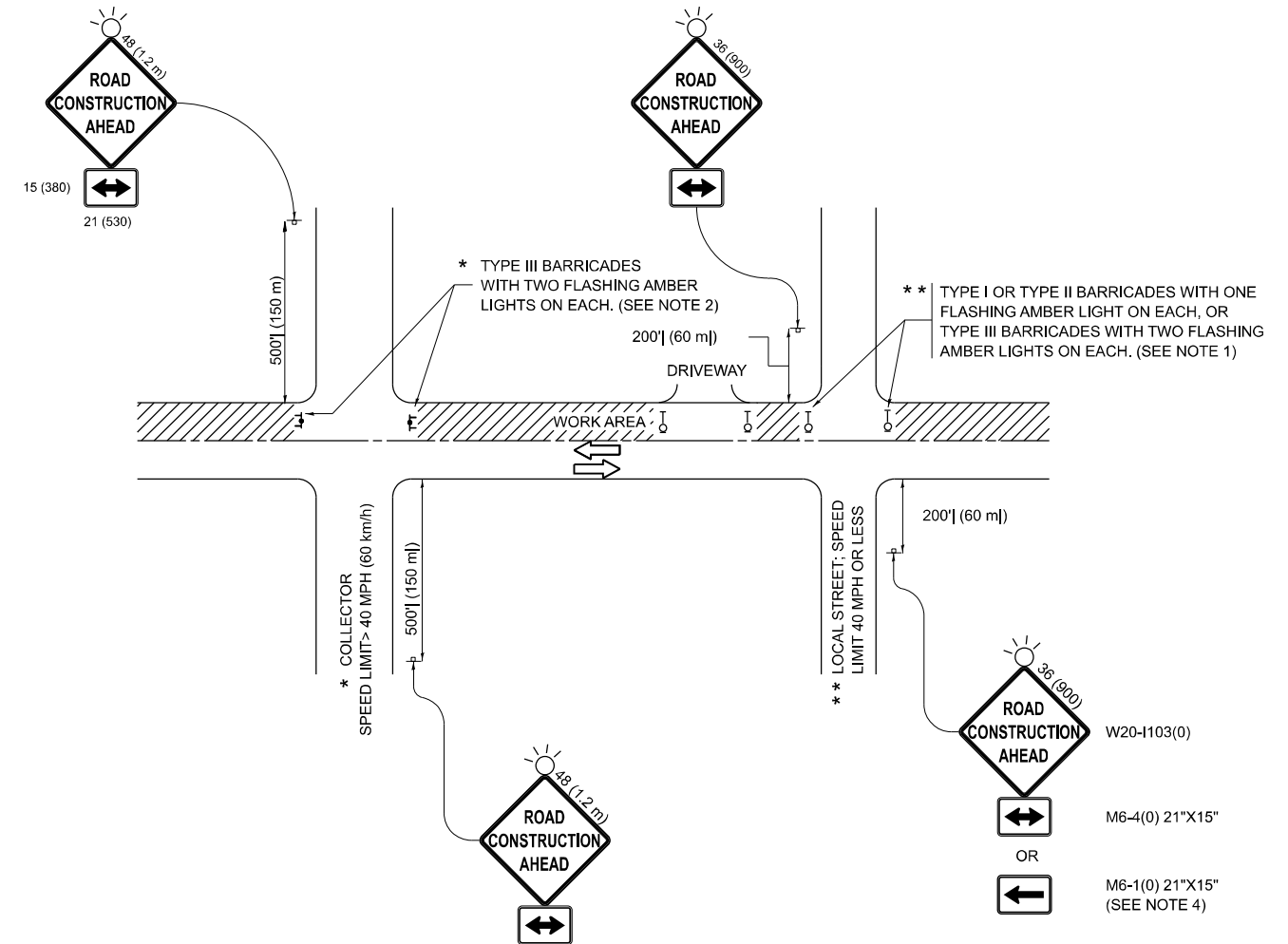
USER NAME = Nedal.Qarut	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

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

F.A.P. RTE. 577	SECTION 2025-2106-RS	COUNTY COOK	TOTAL SHEETS 56	SHEET NO. 48
<b>BM-21</b>		CONTRACT NO. 80C49		
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.

MODEL: TC-10 (Sheet)  
FILE NAME: c:\p\work\qarut\qarut\1056841\11326-shr-dist\Sigs.dgn

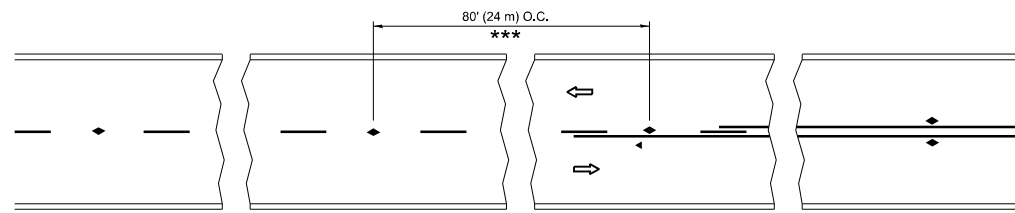
USER NAME = Nedat.Qarut	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 1/30/2026	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

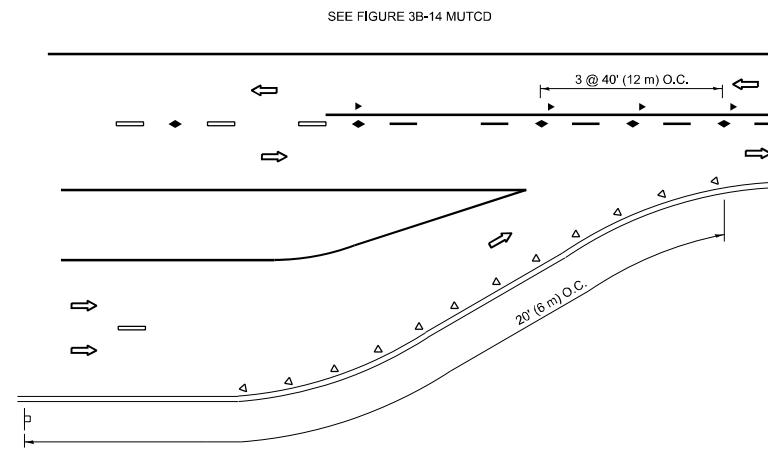
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TC-10</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				

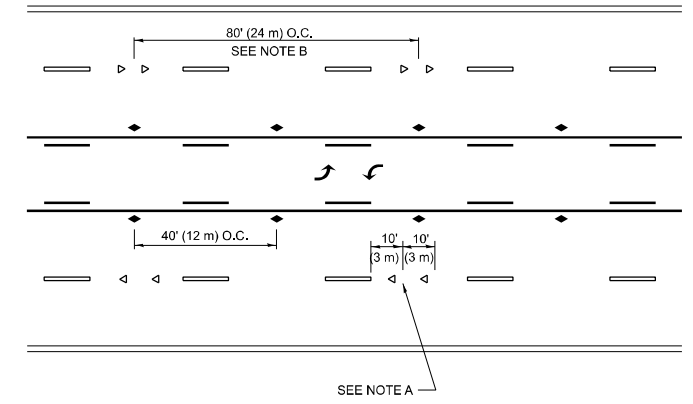


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

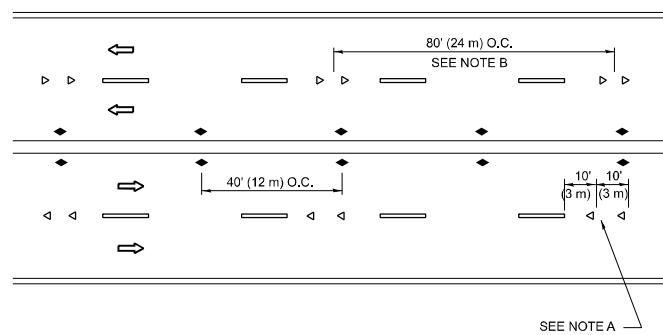
### TWO-LANE/TWO-WAY



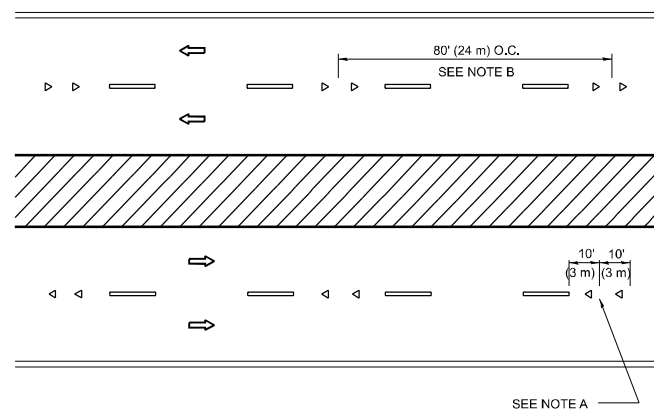
### LANE REDUCTION TRANSITION



### TWO-WAY LEFT TURN



### MULTI-LANE/UNDIVIDED



### MULTI-LANE/DIVIDED

### GENERAL NOTES

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

### SYMBOLS

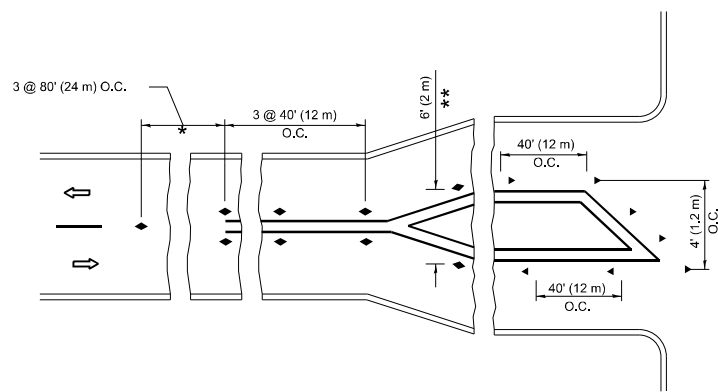
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

### LANE MARKER NOTES

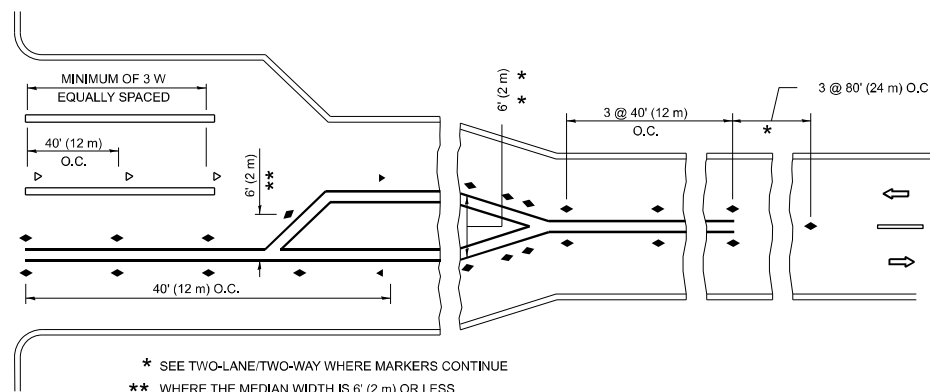
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

### DESIGN NOTES

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



### TURN LANES



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

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

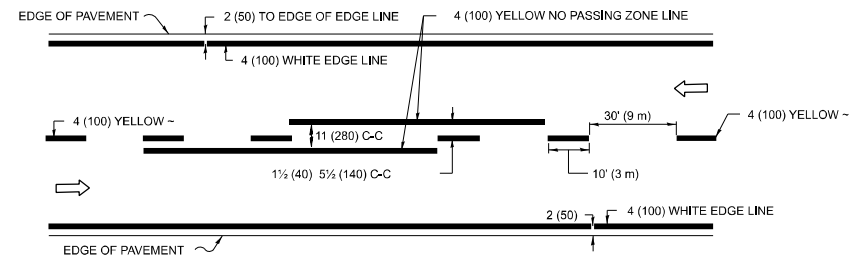
MODEL: TC-11 (Sheet)  
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USER NAME = Nedat.Qarut	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 1/30/2026	DATE -	REVISED - C. JUCIUS 07-01-13

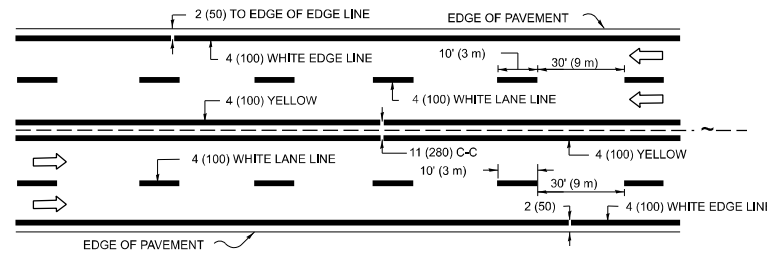
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

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

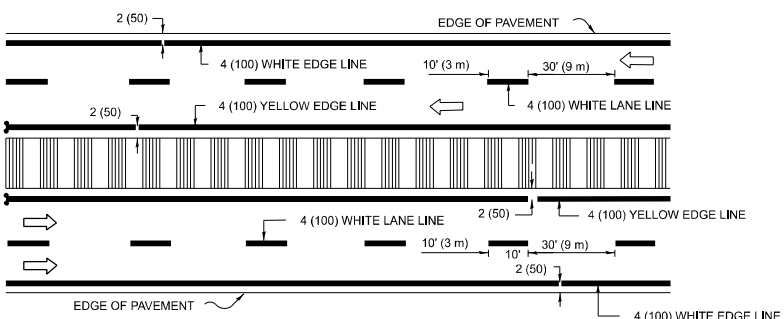
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	50
TC-11			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

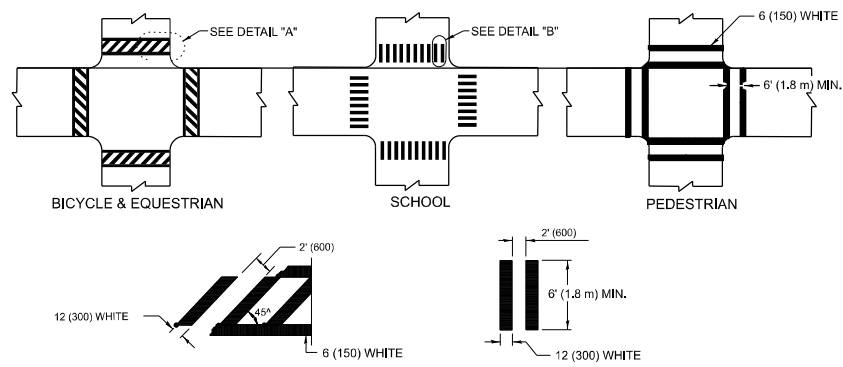


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

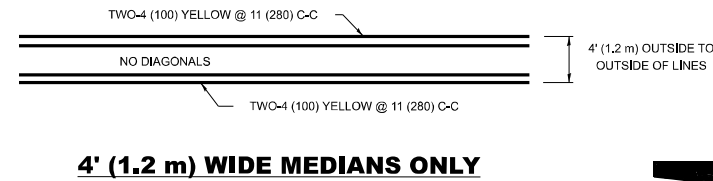


**DETAIL "A"**

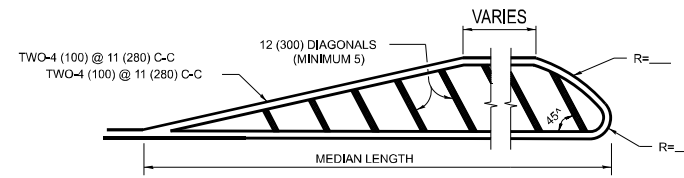
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

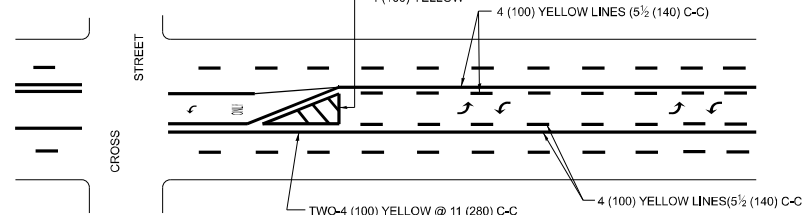


**4' (1.2 m) WIDE MEDIANS ONLY**

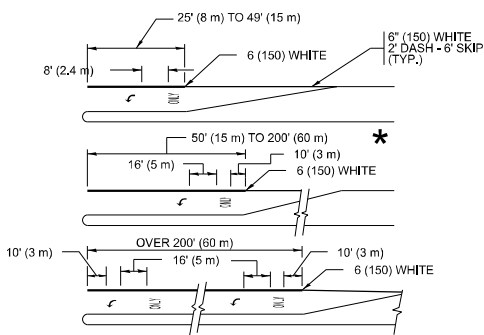


**MEDIANS OVER 4' (1.2 m) WIDE**

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))



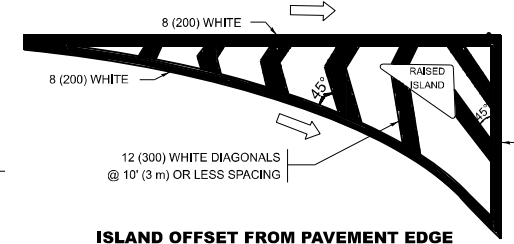
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



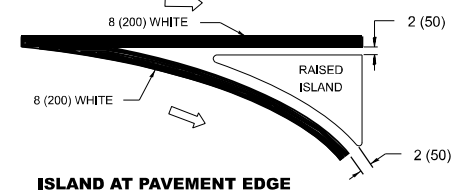
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**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".

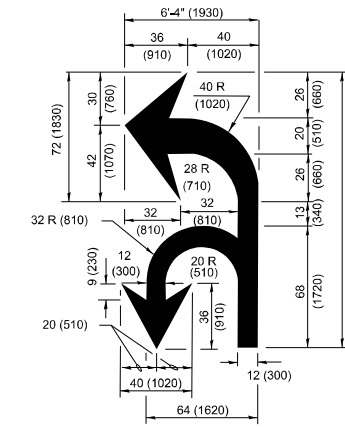


**ISLAND OFFSET FROM PAVEMENT EDGE**

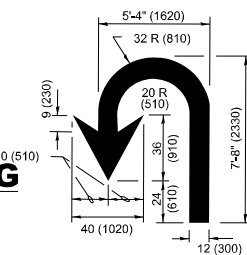


**ISLAND AT PAVEMENT EDGE**

**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 6' (1.8 m) LETTERS: 15 (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.

MODEL: TC-13 (Sheet)  
FILE NAME: c:\p\work\wv\ob\garum\1056841\11326-shr-Dist\Dist.dwg

USER NAME = Nedat.Qarut	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 12-21-15
	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 1/30/2026	DATE - 03-19-90	

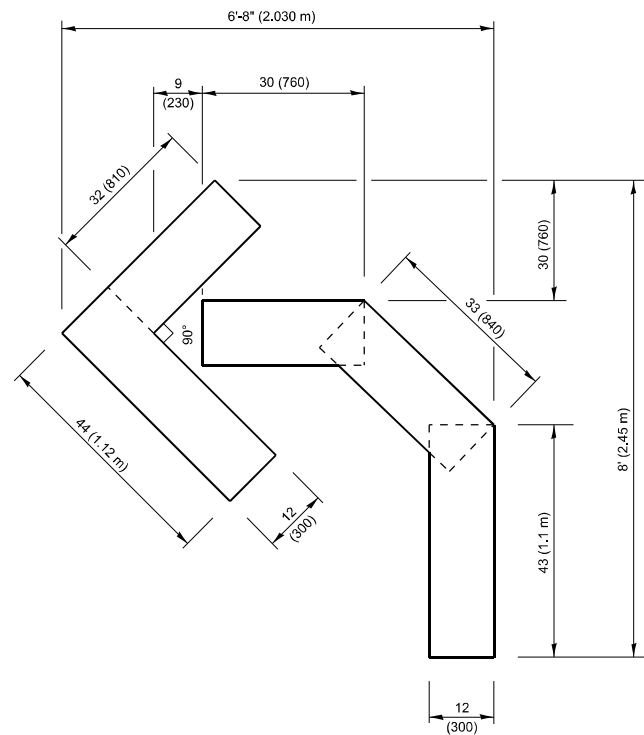
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

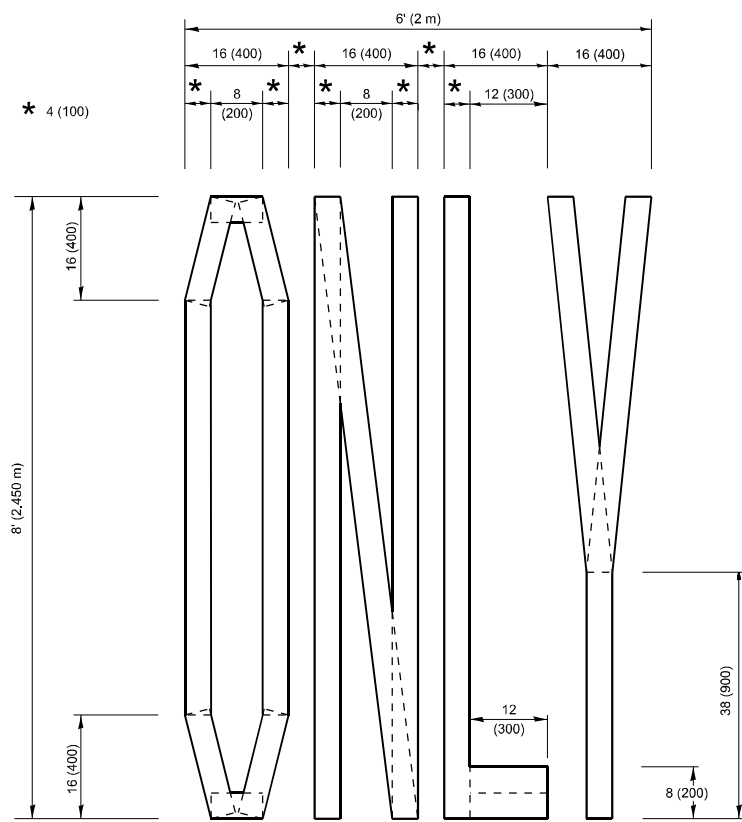
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	51
<b>TC-13</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				

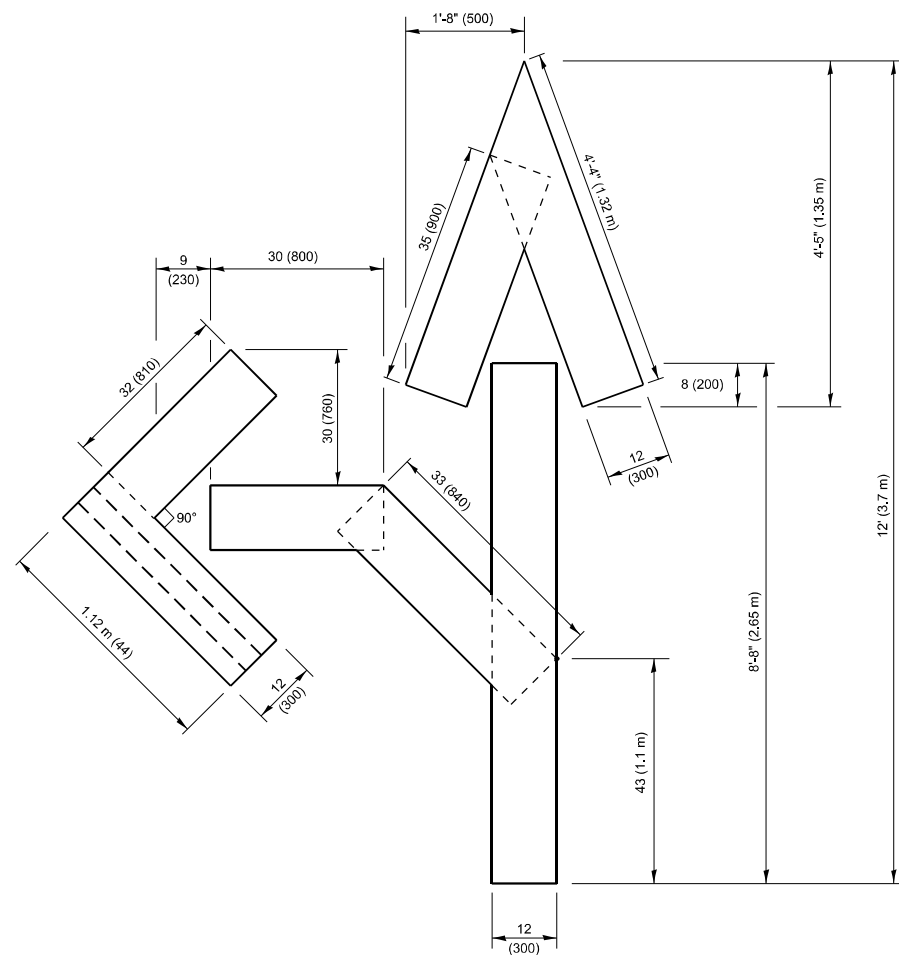




**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)



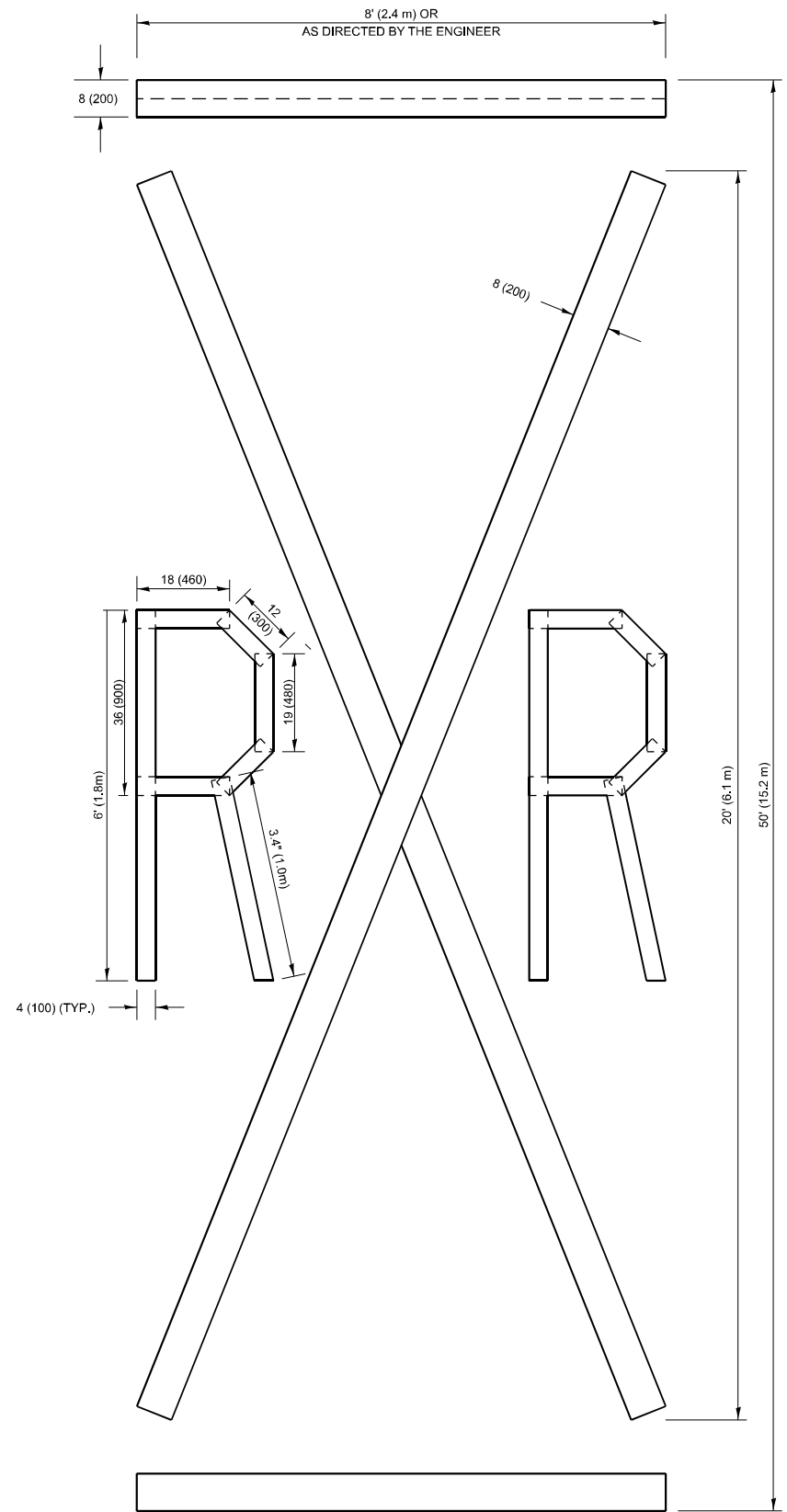
**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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.

MODEL: TC-16 (Sheet)  
 FILE NAME: c:\p\work\pav\marking\056841D11326-shr-Dist\Shts.dgn

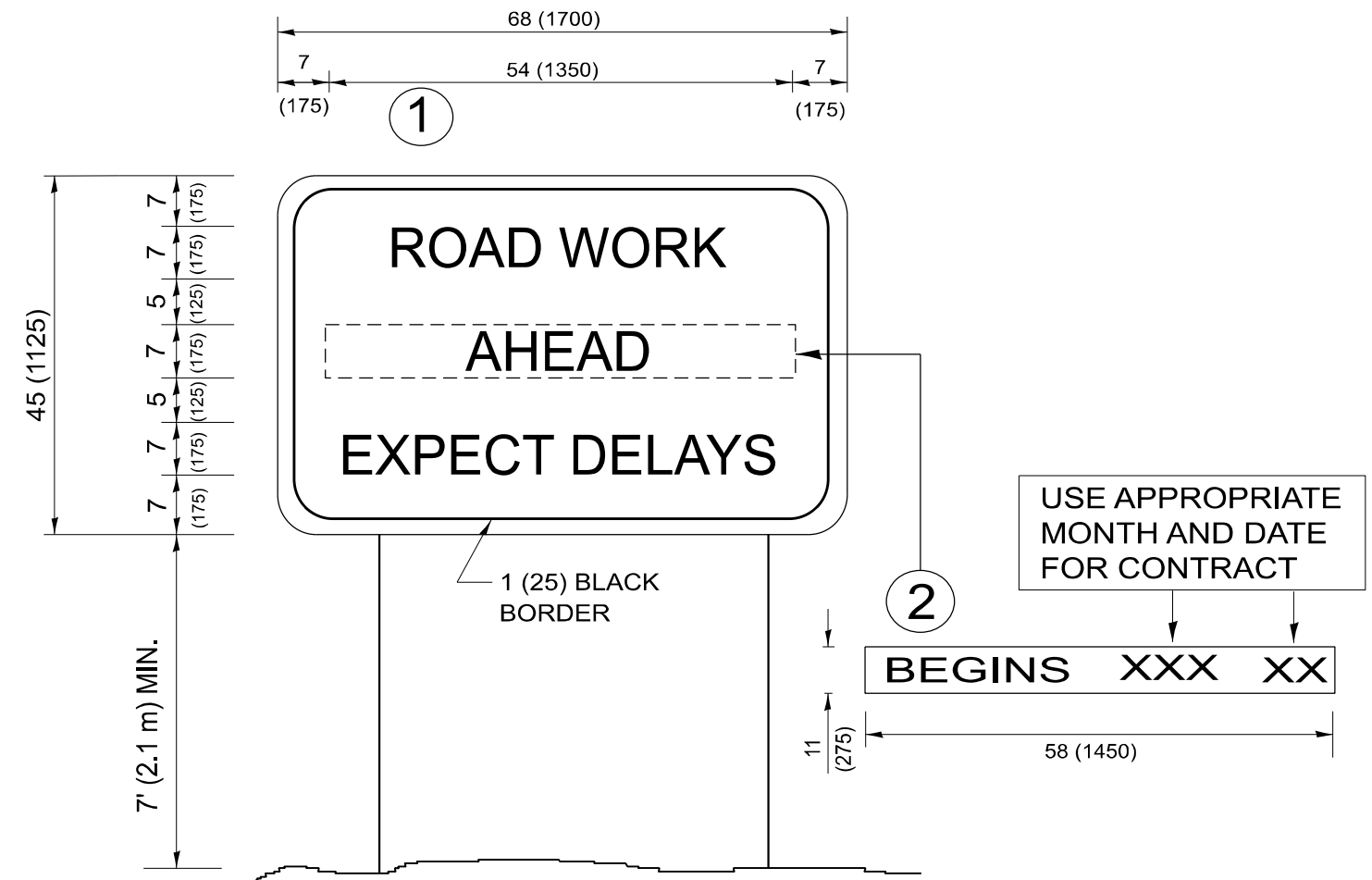
USER NAME = Nedat.Qarut	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 1/30/2026	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	53
<b>TC-16</b>		CONTRACT NO. 80C49		
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.

MODEL: TC-22 (Sheet)  
FILE NAME: c:\p\work\work\garut\mtd1056841\11326-shr-Dist\Dist\ss.dgn

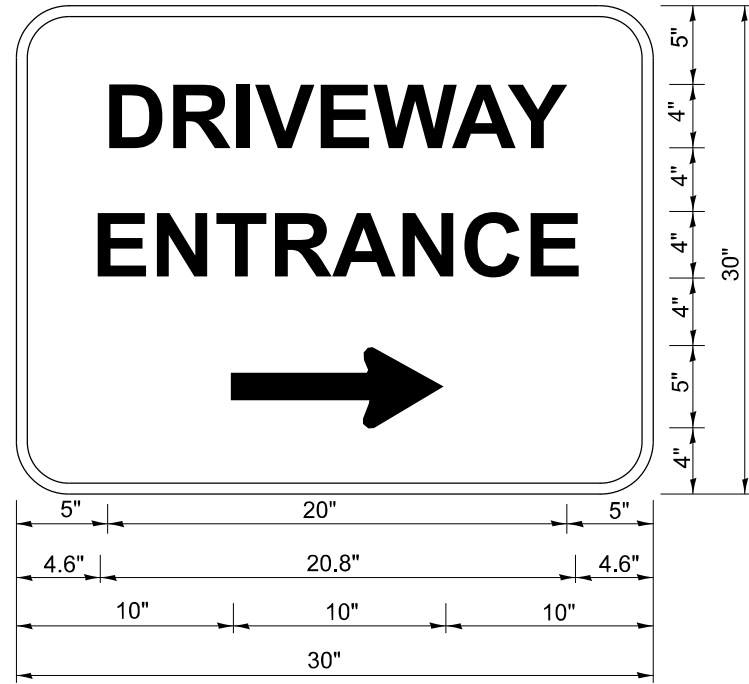
USER NAME = Nedat.Qarut	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 1/30/2026	DATE -	REVISED - C. JUCIUS 01-31-07

**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	2025-2106-RS	COOK	56	54
<b>TC-22</b>			CONTRACT NO. 80C49	
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".

MODEL: TC-26 (Sheet)  
 FILE NAME: c:\p\work\project\garum\1056841\11326-shit-Dist\Dist\Sigs.dgn

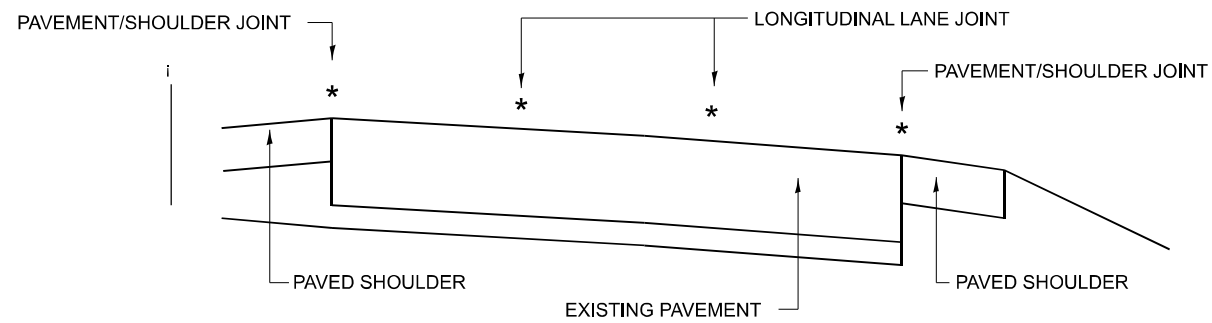
USER NAME = Nedat.Qarut	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

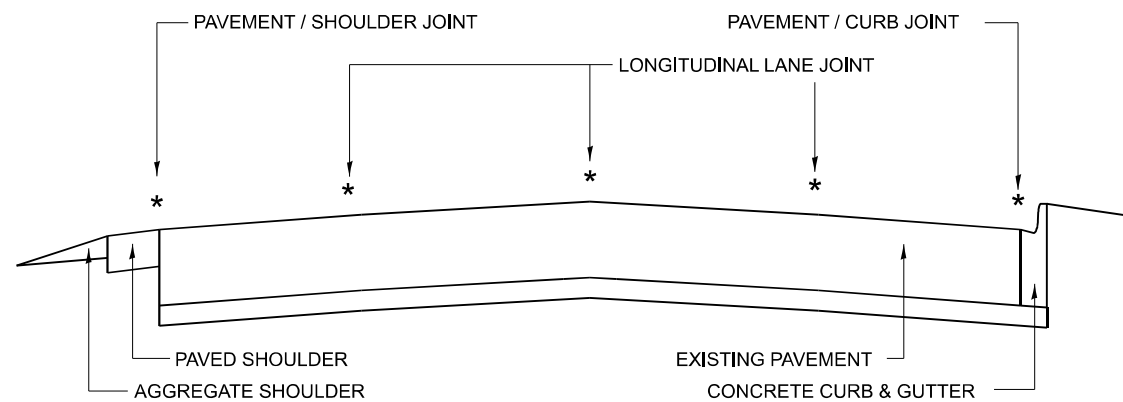
**DRIVEWAY ENTRANCE SIGNING**

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

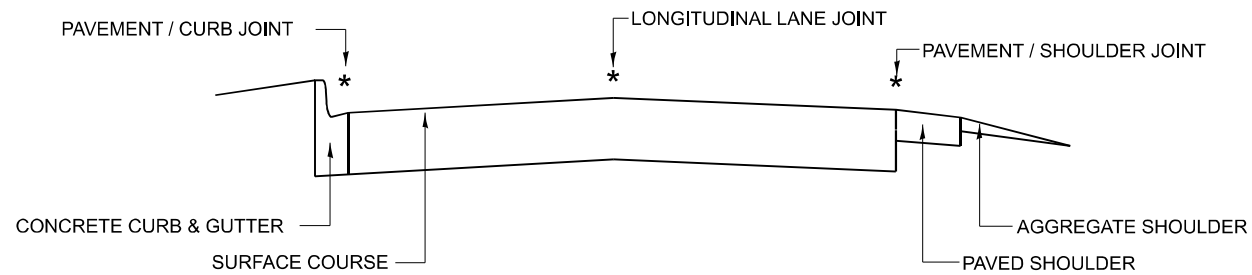
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	55
<b>TC-26</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				



**MULTI-LANE DIVIDED PAVEMENT**



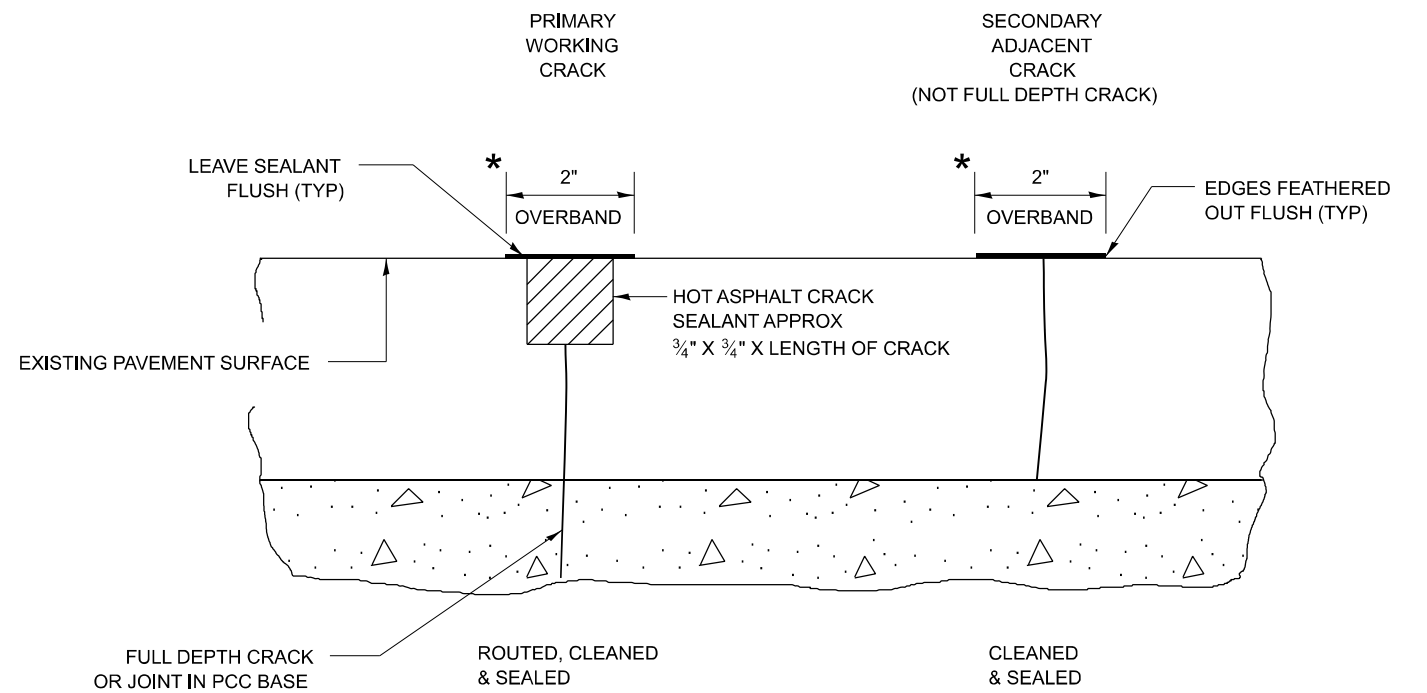
**MULTI-LANE UNDIVIDED PAVEMENT**



**TWO-LANE PAVEMENT**

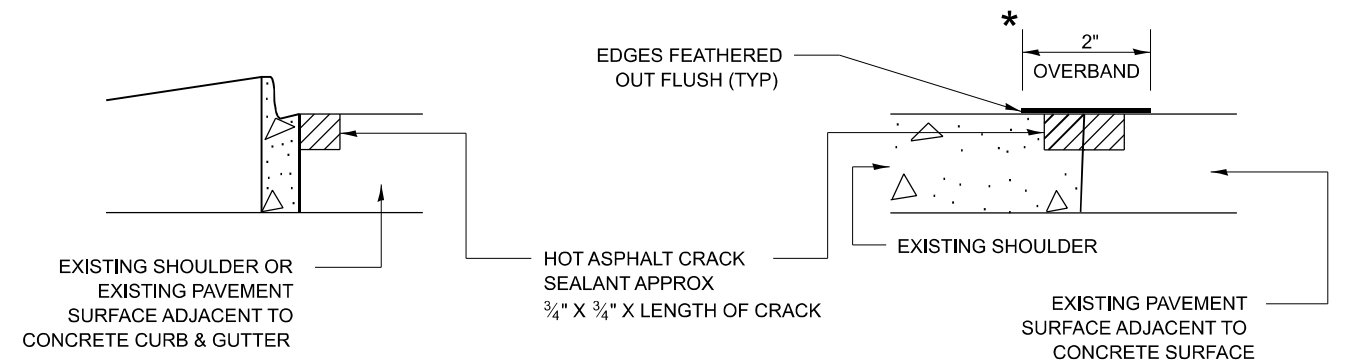
\* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

**GENERAL EXISTING TYPICAL SECTIONS  
(APPLIES TO HMA AND PCC PAVEMENTS)**



\* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

**LONGITUDINAL JOINT**



**CRACK & JOINT SEALING DETAIL**

MODEL: PD-11 (Sheet)  
FILE NAME: c:\p\work\project\garum\1056841\11326-shr-Dist\Dist.dgn

USER NAME = Nedat.Qarut	DESIGNED - F. Aqueel / A. Midy	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2026	DATE - 10/08/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CRACK & JOINT SEALING DETAIL  
(PD-11)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	2025-2106-RS	COOK	56	56
<b>PD-11</b>			CONTRACT NO. 80C49	
ILLINOIS FED. AID PROJECT				