

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	1
		ILLINOIS	CONTRACT NO. 80B28	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

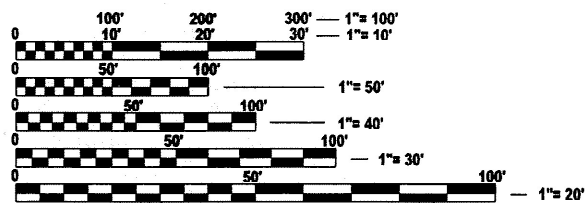
IMPROVEMENT LOCATED IN
THE CITY OF ROLLING MEADOWS
AND VILLAGE OF SCHAUMBURG

DESIGN DESIGNATION
IL ROUTE 62 - OTHER PRINCIPAL ARTERIAL

TRAFFIC DATA
ADT: 25,200 VPD (2023)
POSTED SPEED: 35 MPH (E OF RADISSON WAY)
DESIGN SPEED: 40 MPH (E OF RADISSON WAY)
POSTED SPEED: 40 MPH (W OF RADISSON WAY)
DESIGN SPEED: 45 MPH (W OF RADISSON WAY)

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630 724 9200 phone
www.v3co.com

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS



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.

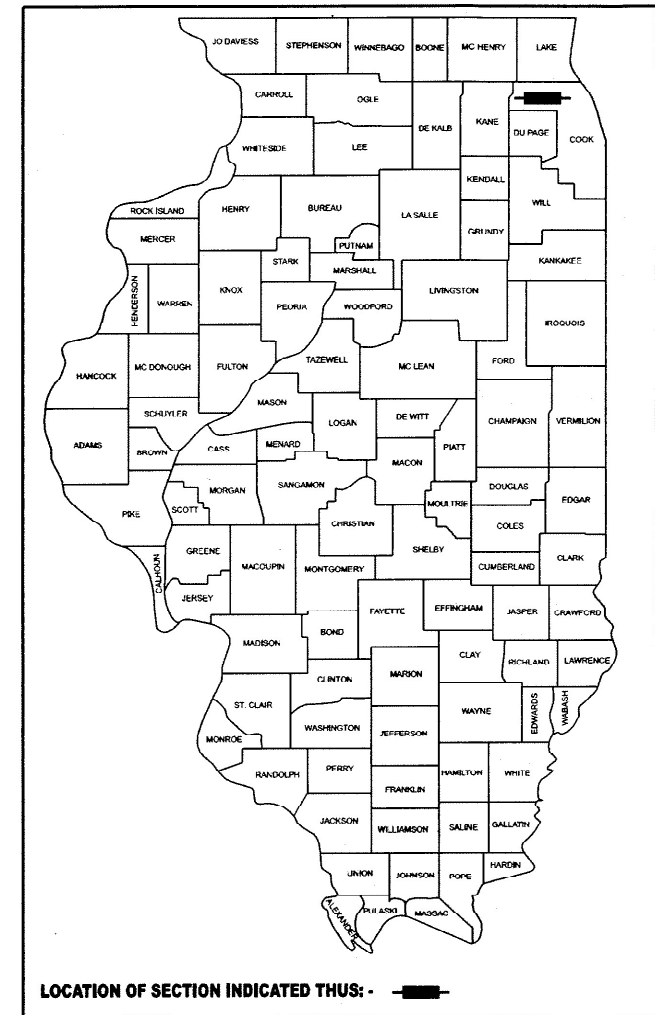
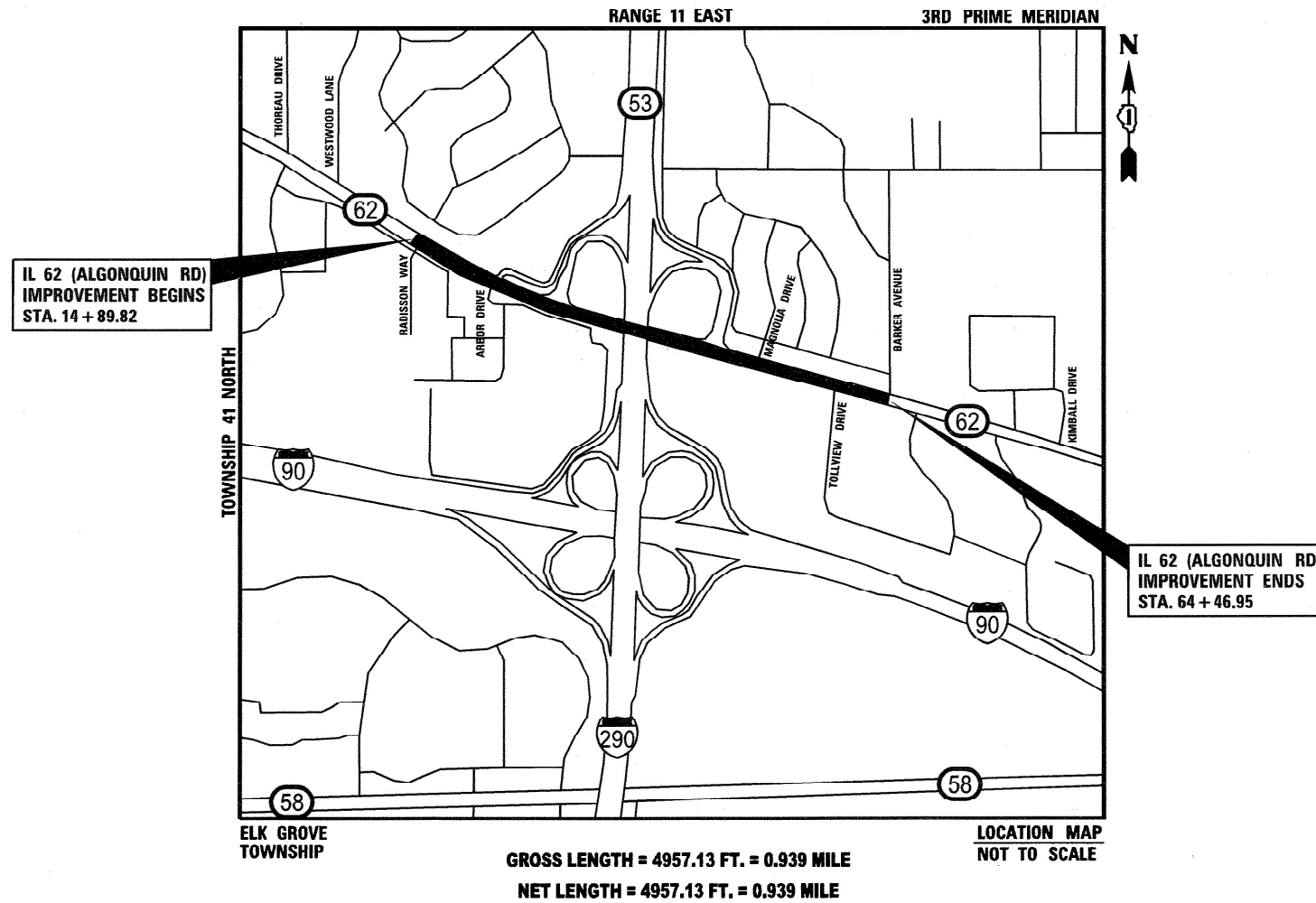
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

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

CONTRACT NO. 80B28

**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 339: IL 62 (ALGONQUIN ROAD)
RADISSON WAY TO BARKER AVENUE
SECTION 2025-2009-RS
PROJECT: NHPP - 2JQ7(624)
STANDARD OVERLAY AND ADA IMPROVEMENTS
COOK COUNTY

C-91-264-25



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 26 2026
Jase Rios REGIONAL ENGINEER

May 8 2026
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

May 8 2026
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

<p>V3 COMPANIES LTD. JACOB W. BAUER # 062-064761 <u>[Signature]</u> DATE: 3-20-2026 SIGNATURE AND SEAL APPLY TO SHEETS: 1-40 & 56-71</p>		<p>SINGH AND ASSOCIATES INC. SAMEER S. AGRAWAL # 062-072788 <u>[Signature]</u> DATE: 3-20-2026 SIGNATURE AND SEAL APPLY TO SHEETS: 41-55</p>	
EXPIRATION DATE: 11-30-2027		EXPIRATION DATE: 11-30-2027	

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GENERAL NOTES

1. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR.
2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT "JULIE", IDOT, AND THE CITY OF ROLLING MEADOWS FOR FIELD LOCATIONS OF BURIED UTILITIES 48 HOURS IN ADVANCE OF WORK. CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND PROTECT ALL UTILITIES DURING INSTALLATION OF GUARDRAIL, TRAFFIC SIGNAL AND OTHER IMPROVEMENTS.
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE CONTRACTOR WILL NOT BE PERMITTED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT PRIOR WRITTEN PERMISSION OF THE DEPARTMENT.
5. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION.
6. 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.
7. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK OR OTHER APPROPRIATE EQUIPMENT AS APPROVED BY THE ENGINEER.
8. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS 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.
9. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
10. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING LIMITS (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" (BD-32), UNLESS OTHERWISE SPECIFIED.
11. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
12. BEFORE BEGINNING ANY WORK, THE CONTRACTORS 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 SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
13. LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE DETERMINED BY THE ENGINEER.
14. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF ROLLING MEADOWS AND VILLAGE OF SCHAUMBURG.
15. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. 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.
17. EXISTING BROKEN FRAMES LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND 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.
18. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
19. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
20. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.
21. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME RESURFACING OPERATIONS AND CLASS D PATCHES UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
22. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

GENERAL NOTES

23. THE CONTRACTOR SHALL WORK WITH MWRD STAFF TO PHYSICALLY LOCATE MWRD FACILITIES IN THE FIELD IN ORDER TO AVOID ANY NEGATIVE IMPACT. MINIMUM VERTICAL/HORIZONTAL CLEARANCE OF 2-FT SHALL BE MAINTAINED BETWEEN DISTRICT SEWER AND THE PROPOSED CONDUIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING MWRD FACILITIES FROM ALL CONSTRUCTION OPERATIONS, VIBRATIONS, AND HEAVY EQUIPMENT.

DURING CONSTRUCTION EXERCISE EXTRA CAUTION FOR THE SAFETY AND INTEGRITY OF FACILITIES. IN ORDER TO MAINTAIN SERVICE, NO ACCESS HATCHES AND MANHOLE COVERS ON MWRD STRUCTURES AND MANHOLES WITHIN THE PROJECT AREA SHALL BE BURIED OR COVERED; NO DEBRIS SHALL ENTER MWRD STRUCTURES, SEWERS, OR FACILITIES. MWRD PERSONNEL SHALL HAVE UNRESTRICTED ACCESS 24 HOURS A DAY TO ALL MWRD FACILITIES.

FOR FIELD LOCATION, PLEASE CONTACT MR. PAUL SOBANSKI, AT (708) 588-4080.
24. ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMANGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLCAED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
25. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION SHALL BE WOVEN.
26. TEMPORARY OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER.
27. EXISTING VEGETATED AREAS (TREE, SHRUBS, VEGATATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND ELIMINATE SOIL COMPACTION, NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.
28. THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847.705.4171, AT LEAST 7 DAYS PRIOR TO DOING FORESTRY WORK FOR LAYOUT.
29. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL SECTIONS OF THE ILLINOIS CUSTOM SPRAY LAW, INCLUDING LICENSING. CONTRACTOR PERSONNEL APPLYING HERBICIDES SHALL HAVE A VALID PESTICIDE APPLICATOR LICENSE ISSUED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE. THE LICENSED PESTICIDE APPLICATOR SHALL SUBMIT THEIR CURRENT LICENSE TO THE ENGINEER. THE LICENSED PESTICIDE APPLICATOR SHALL BE QUALIFIED AT A MINIMUM IN RIGHT-OF-WAY AND AQUATICS. THE LICENSED APPLICATOR SHALL WORK ON-SITE.
30. THE CONTRACTOR SHALL CONTACT THE IDOT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR, DISTRICT ONE, CARLOS AT CARLOS.MUNOZ@ILLINOIS.GOV, A MINIMUM OF 72 HOURS IN ADVANCE OF THE BEGINNIG OF WORK.
31. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP, AND SHOULDER CLOSURES AND SEVEN DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON THE WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.
32. THE RESIDENT ENGINEER SHALL CONTACT AREA TRAFFIC FIELD ENGINEER, FADI SULTAN VIA EMAIL AT FADI.SULTAN@ILLINOIS.GOV AT LEAST (2) TWO WEEK PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

COMMITMENTS

NONE



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	2
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	20101100	TREE TRUNK PROTECTION	EACH	14	14					
	20101200	TREE ROOT PRUNING	EACH	14	14					
	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2	2					
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	1	1					
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	38	38					
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	38	38					
	20200100	EARTH EXCAVATION	CU YD	38	38					
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	294	294					
	20400800	FURNISHED EXCAVATION	CU YD	2.2	2.2					
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	882	882					
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,053	2,053					
	25200110	SODDING, SALT TOLERANT	SQ YD	2,053	2,053					
	25200200	SUPPLEMENTAL WATERING	UNIT	17	17					
	28000510	INLET FILTERS	EACH	104	104					



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	3
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	294	294					
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2,221	2,221					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	38,552	38,552					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	28,694	28,694					
	40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	20	20					
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1,770	1,770					
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	3,198	3,198					
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	5,597	5,597					
	42001300	PROTECTIVE COAT	SQ YD	2,787	2,787					
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	426	426					
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	17,886	17,886					
	42400800	DETECTABLE WARNINGS	SQ FT	92	92					
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	420	420					
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	16,916	16,916					
	44000600	SIDEWALK REMOVAL	SQ FT	1,083	1,083					



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	4
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	TYPE CODE						
					URBAN ROADWAY	URBAN ROADWAY	URBAN TRAFFIC SIGNALS	URBAN	URBAN	URBAN	
					80% FED 20% STATE	100% STATE	80% FED 20% STATE				
					0005	0005	0021				
	44003100	MEDIAN REMOVAL	SQ FT	31,760	31,760						
	44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	5,482	5,482						
	44004250	PAVED SHOULDER REMOVAL	SQ YD	670	670						
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	254	254						
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	254	254						
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1,269	1,269						
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	2,172	2,172						
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	576	576						
	56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1						
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	99	99						
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1						
	60255500	MANHOLES TO BE ADJUSTED	EACH	3	3						
	60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1						
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	68	68						



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REVISED -
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 REVISED -
 DATE - 3/23/2026

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	5
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,128	5,128					
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	11,791	11,791					
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	19,988	19,988					
	60624600	CORRUGATED MEDIAN	SQ FT	64	64					
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,400	1,400					
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2					
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3					
	63200310	GUARDRAIL REMOVAL	FOOT	1,582	1,582					
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	1,952	1,952					
#	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	38	38					
#	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
#	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
#	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
#	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5					
	67100100	MOBILIZATION	L SUM	1	1					



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PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	6
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	65	65					
	70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	16,775	16,775					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	8,312	8,312					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1,596	1,596					
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	16,381	16,381					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	3,777	3,777					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1,572	1,572					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	2,121	2,121					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	738	738					



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	7
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	24,935	24,935					
*	72000100	SIGN PANEL - TYPE 1	SQ FT	64	64					
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	90	90					
#	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,596	1,596					
#	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16,381	16,381					
#	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,777	3,777					
#	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,572	1,572					
#	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,121	2,121					
#	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	738	738					
#	78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4"	FOOT	4,109	4,109					
#	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	4,109	4,109					
#	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	664	664					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	639	639					
#	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	400			400			



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PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	8
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
#	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	310			310			
#	81400200	HEAVY-DUTY HANDHOLE	EACH	4			4			
#	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2			2			
#	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,186			1,186			
#	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	712			712			
#	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,204			2,204			
#	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,930			1,930			
#	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,957			3,957			
#	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	228			228			
#	87900200	DRILL EXISTING HANDHOLE	EACH	12			12			
#	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2			2			
#	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2			
#	88600100	DETECTOR LOOP, TYPE I	FOOT	2,209			2,209			
#	89502200	MODIFY EXISTING CONTROLLER	EACH	2			2			



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PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	9
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
#	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7,073			7,073			
#	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1			
#	89502376	REBUILD EXISTING HANDHOLE	EACH	2			2			
#	89502380	REMOVE EXISTING HANDHOLE	EACH	3			3			
	K0026700	TREE CARE	EACH	23	23					
	K0036120	MULCH PLACEMENT 4"	SQ YD	54	54					
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
#	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	482			482			
#	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	4			4			
	X2010516	SELECTIVE CLEARING	UNIT	3	3					
	X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	763	763					
	X4402805	ISLAND REMOVAL	SQ FT	2,588	2,588					
	X6350108	FLEXIBLE DELINEATORS	EACH	5	5					
	X6350120	DELINEATOR REMOVAL	EACH	3	3					



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	10
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

TYPE CODE

URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
ROADWAY	ROADWAY	TRAFFIC SIGNALS			
80% FED 20% STATE	100% STATE	80% FED 20% STATE			

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0005	0021			
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	148	148					
#	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6			6			
#	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16			16			
#	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1,865			1,865			
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	99		99				
#	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2			2			
Ø	Z0076600	TRAINEES	HOUR	500	500					
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					



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	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

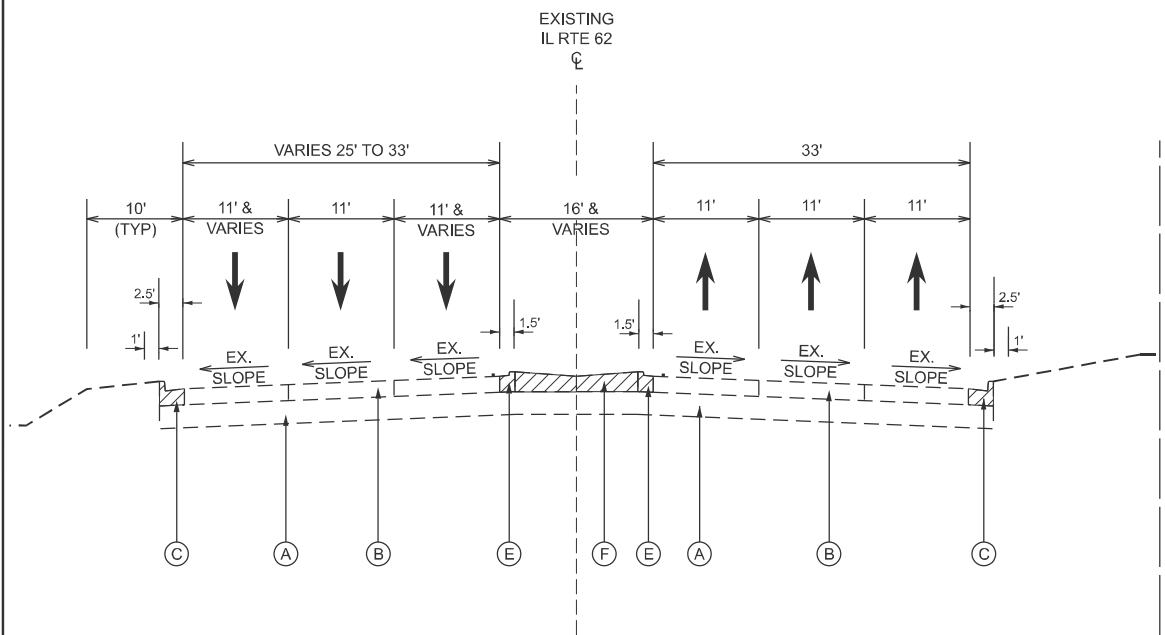
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

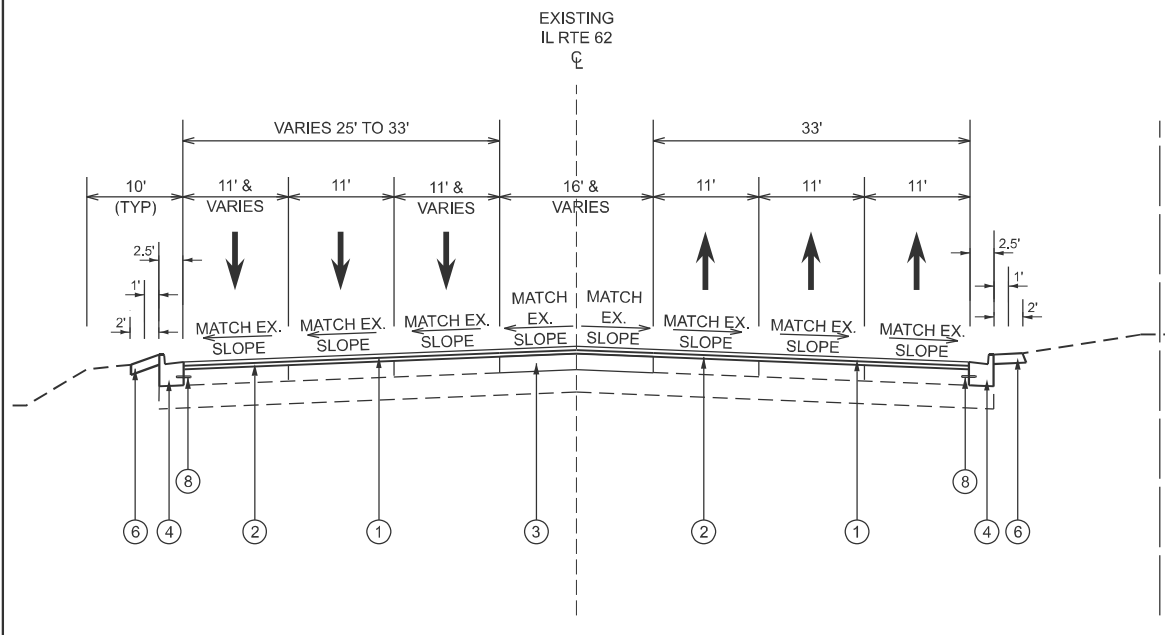
SCALE: NONE SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	11
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

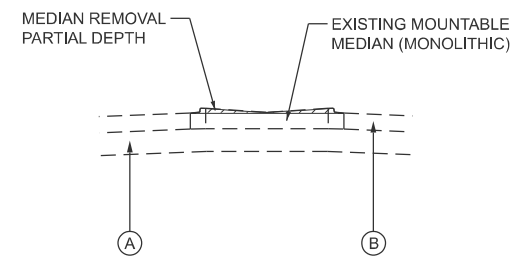
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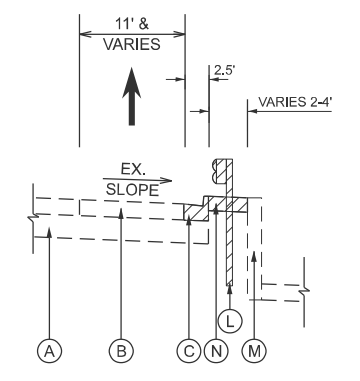
**EXISTING TYPICAL SECTION
IL RTE 62**
STA 14+89 TO STA 26+68
STA 55+19 TO STA 59+04



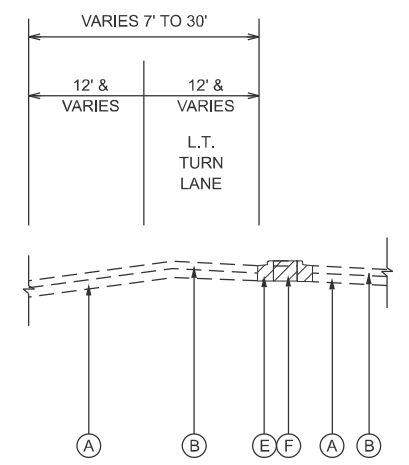
**PROPOSED TYPICAL SECTION
IL RTE 62**
STA 14+89 TO STA 26+68
STA 55+19 TO STA 59+04



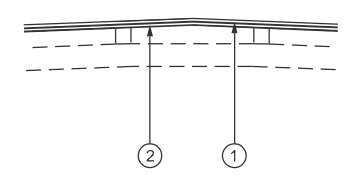
**EXISTING TYPICAL MONOLITHIC MEDIAN
IL RTE 62**
STA 16+61 TO STA 17+53
STA 24+35 TO STA 25+68
STA 58+41 TO STA 58+70
STA 59+73 TO STA 64+46



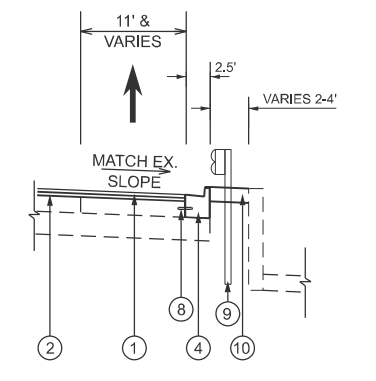
**EXISTING TYPICAL GUARDRAIL SECTION
EB IL RTE 62**
STA 22+58 TO STA 25+07



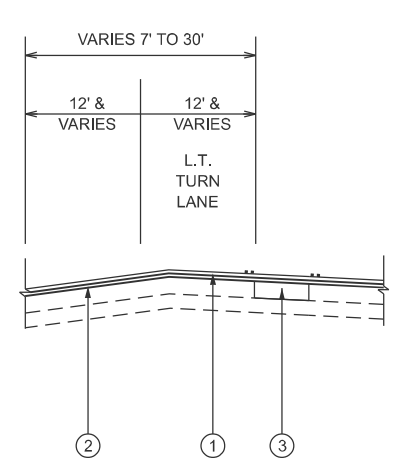
**EX TYPICAL LEFT TURN LANES
IL RTE 62**
STA 16+63 TO STA 19+24
STA 21+33 TO STA 25+65
STA 59+78 TO STA 62+32
STA 61+70 TO STA 64+46



**PROPOSED TYPICAL MONOLITHIC MEDIAN
IL RTE 62**
STA 16+61 TO STA 17+53
STA 24+35 TO STA 25+68
STA 58+41 TO STA 58+70
STA 59+73 TO STA 64+46



**PROPOSED TYPICAL GUARDRAIL SECTION
EB IL RTE 62**
STA 22+58 TO STA 25+07



**PR TYPICAL LEFT TURN LANES
IL RTE 62**
STA 16+63 TO STA 19+24
STA 21+33 TO STA 25+65
STA 59+78 TO STA 62+32
STA 61+70 TO STA 64+46

- EXISTING LEGEND**
- (A) AGGREGATE BASE COURSE, 12"
 - (B) P.C.C. PAVEMENT 10"
 - (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
 - (F) CONCRETE MEDIAN
 - (G) SANDFILL
 - (H) CONCRETE MEDIAN SURFACE, 4"
 - (I) BRIDGE PIER
 - (J) CONCRETE BARRIER, SINGLE FACE, 6" TOP, 32" HEIGHT
 - (K) TOPSOIL
 - (L) GUARDRAIL
 - (M) RETAINING WALL
 - (N) HOT-MIX ASPHALT SHOULDER
 - REMOVAL ITEMS
 - P.C.C. SURFACE REMOVAL (VAR. DEPTH)

- PROPOSED LEGEND**
- 1 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
 - 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
 - 3 CLASS D PATCHES, 10 INCH (TYPE VARIES)
 - 4 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - 5 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - 6 TOPSOIL FURNISH AND PLACE, 4"
 - 7 CONCRETE MEDIAN SURFACE, 4 INCH
 - 8 TIE BAR, 3/4"
 - 9 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - 10 HOT-MIX ASPHALT SHOULDERS, 6"
 - SUBBASE GRANULAR MATERIAL, TYPE B 4"



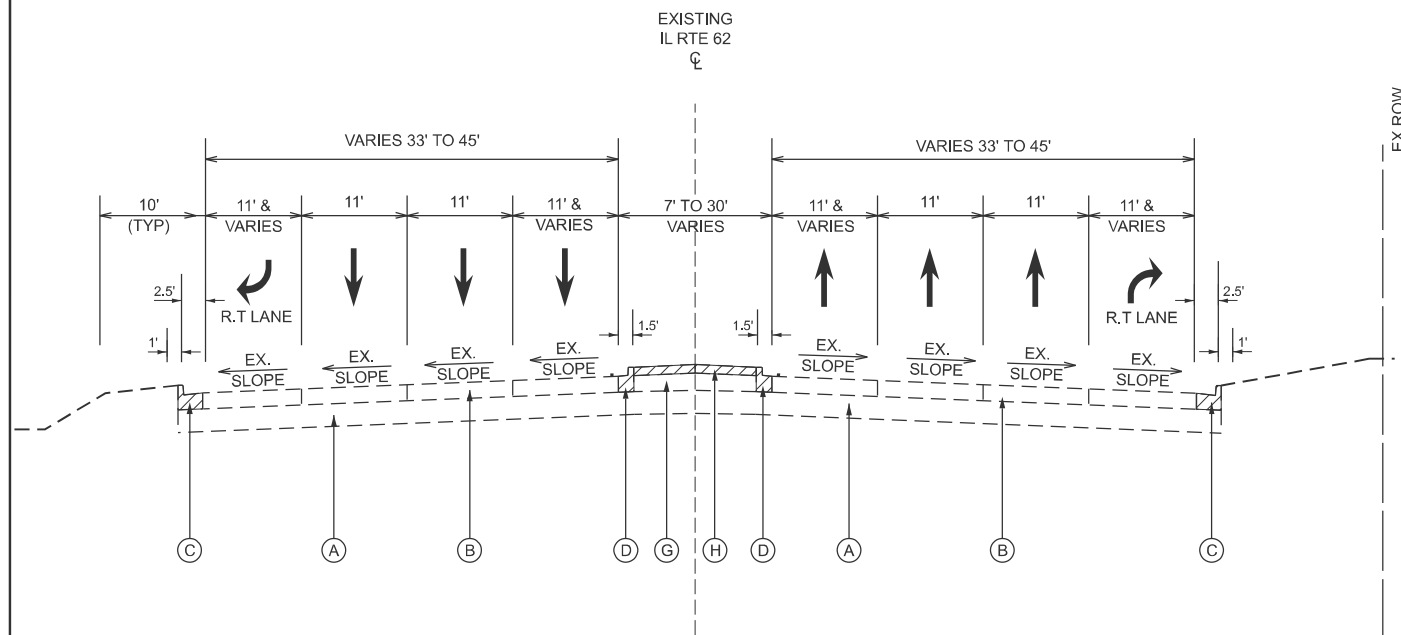
USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

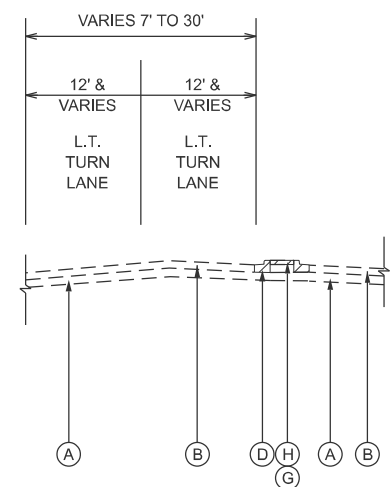
**TYPICAL SECTIONS
ALGONQUIN ROAD**

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

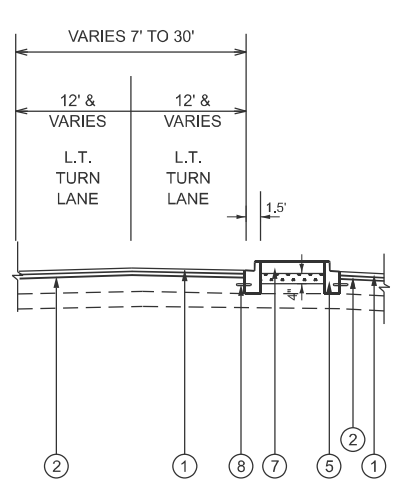
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	12
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



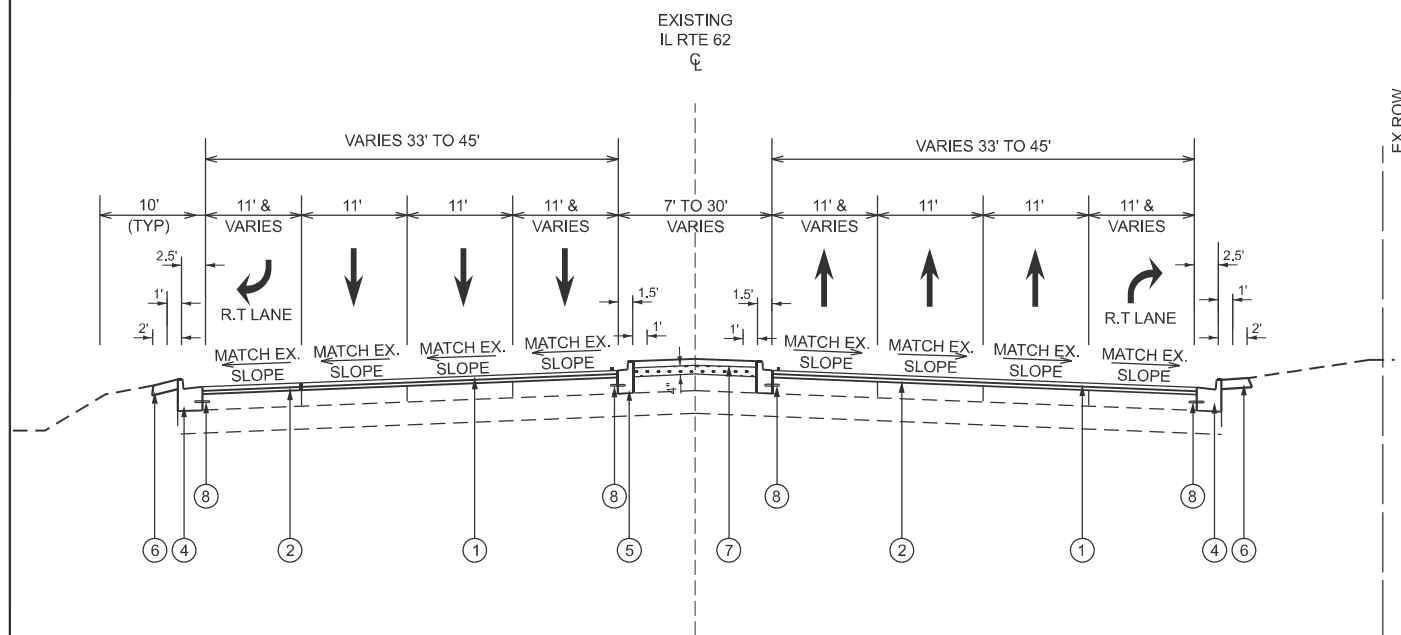
**EXISTING TYPICAL SECTION
IL RTE 62**
STA 26+88 TO STA 38+42
STA 41+55 TO STA 55+19



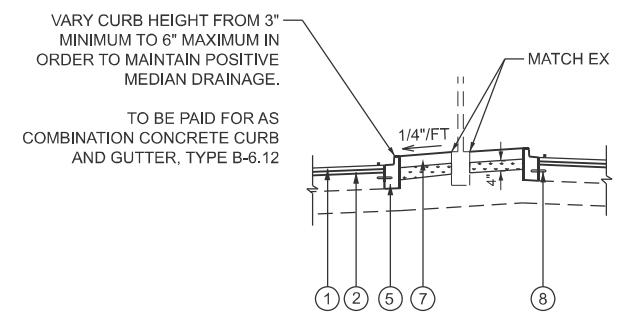
**EX TYPICAL LEFT TURN LANES
IL RTE 62**
STA 27+25 TO STA 31+41
STA 41+56 TO STA 46+65



**PR TYPICAL LEFT TURN LANES
IL RTE 62**
STA 27+25 TO STA 31+41
STA 41+56 TO STA 46+65



**PROPOSED TYPICAL SECTION
IL RTE 62**
STA 26+88 TO STA 38+42
STA 41+55 TO STA 55+19



**PR TYPICAL MEDIAN AT EXISTING SIGNAL
POST - IL RTE 62**

- EXISTING LEGEND**
- (A) AGGREGATE BASE COURSE, 12"
 - (B) P.C.C. PAVEMENT 10"
 - (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
 - (F) CONCRETE MEDIAN
 - (G) SANDFILL
 - (H) CONCRETE MEDIAN SURFACE, 4"
 - (I) BRIDGE PIER
 - (J) CONCRETE BARRIER, SINGLE FACE, 6" TOP, 32" HEIGHT
 - (K) TOPSOIL
 - (L) GUARDRAIL
 - (M) RETAINING WALL
 - (N) HOT-MIX ASPHALT SHOULDER
 - [Hatched] REMOVAL ITEMS
 - [Vertical Lines] P.C.C. SURFACE REMOVAL (VAR. DEPTH)

- PROPOSED LEGEND**
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
 - (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
 - (3) CLASS D PATCHES, 10 INCH (TYPE VARIES)
 - (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (6) TOPSOIL FURNISH AND PLACE, 4"
 - (7) CONCRETE MEDIAN SURFACE, 4 INCH
 - (8) TIE BAR, 3/4"
 - (9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
 - (10) HOT-MIX ASPHALT SHOULDERS, 6"
 - [Dotted] SUBBASE GRANULAR MATERIAL, TYPE B 4"



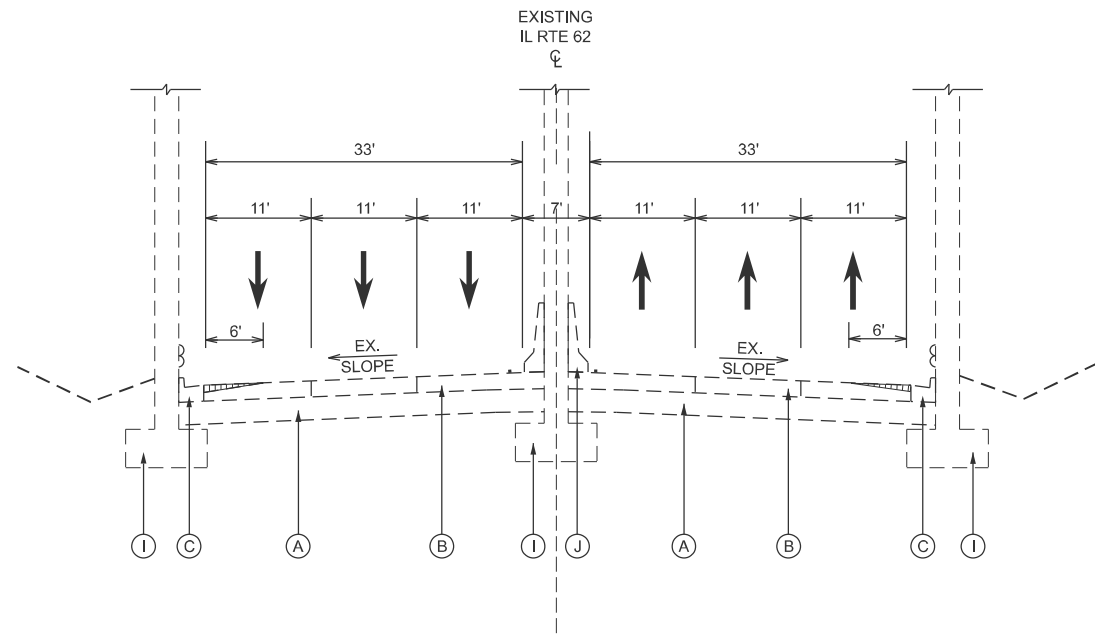
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	DRAWN - DRP	REVISED -
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PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

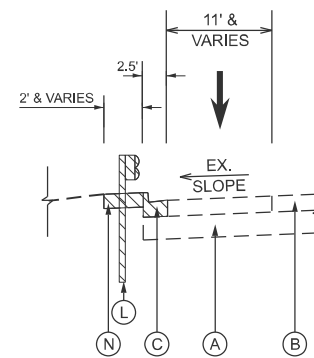
**TYPICAL SECTIONS
ALGONQUIN ROAD**

SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.

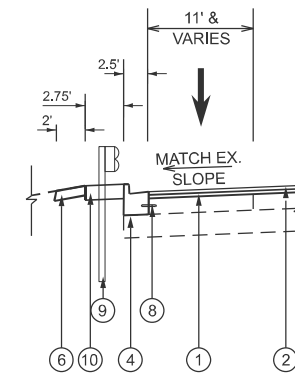
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	13
CONTRACT NO. 80B28			ILLINOIS FED. AID PROJECT	



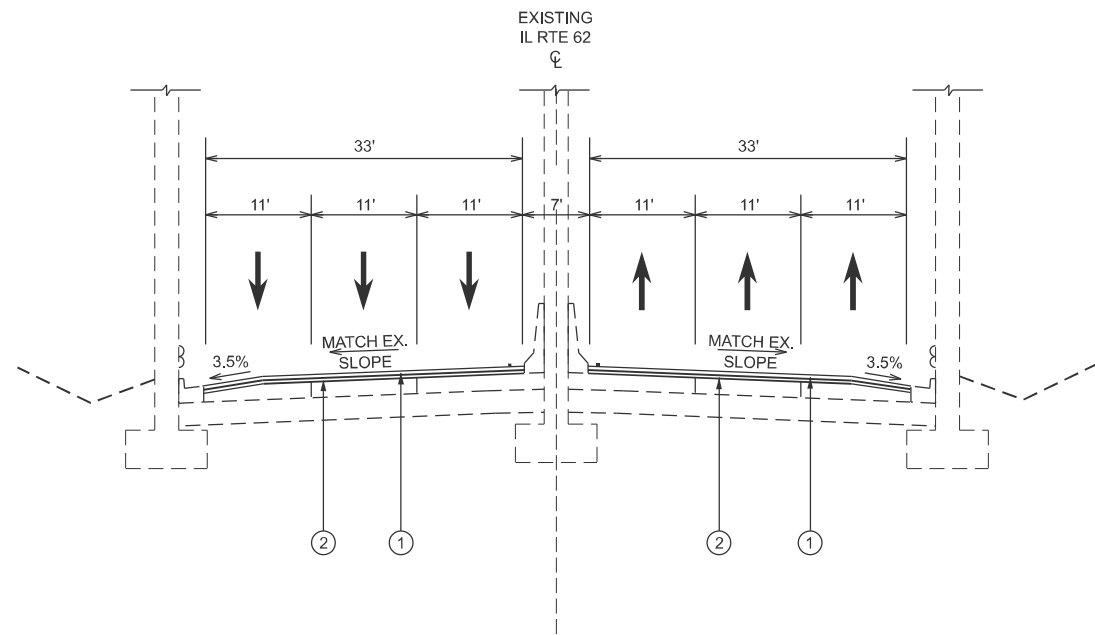
**EXISTING TYPICAL SECTION
IL RTE 62**
STA 38+42 TO STA 41+55



**EXISTING TYPICAL GUARDRAIL SECTION
WB IL RTE 62**
STA 52+53 TO STA 64+28



**PROPOSED TYPICAL GUARDRAIL SECTION
WB IL RTE 62**
STA 52+53 TO STA 64+28



**PROPOSED TYPICAL SECTION
IL RTE 62**
STA 38+42 TO STA 41+55

EXISTING LEGEND

- (A) AGGREGATE BASE COURSE, 12"
- (B) P.C.C. PAVEMENT 10"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (F) CONCRETE MEDIAN
- (G) SANDFILL
- (H) CONCRETE MEDIAN SURFACE, 4"
- (I) BRIDGE PIER
- (J) CONCRETE BARRIER, SINGLE FACE, 6" TOP, 32" HEIGHT
- (K) TOPSOIL
- (L) GUARDRAIL
- (M) RETAINING WALL
- (N) HOT-MIX ASPHALT SHOULDER
- [Hatched] REMOVAL ITEMS
- [Vertical Lines] P.C.C. SURFACE REMOVAL (VAR. DEPTH)

PROPOSED LEGEND

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
- (3) CLASS D PATCHES, 10 INCH (TYPE VARIES)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) TOPSOIL FURNISH AND PLACE, 4"
- (7) CONCRETE MEDIAN SURFACE, 4 INCH
- (8) TIE BAR, 3/4"
- (9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (10) HOT-MIX ASPHALT SHOULDERS, 6"
- [Dotted] SUBBASE GRANULAR MATERIAL, TYPE B 4"



USER NAME =	DESIGNED - LRY	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
ALGONQUIN ROAD**

SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

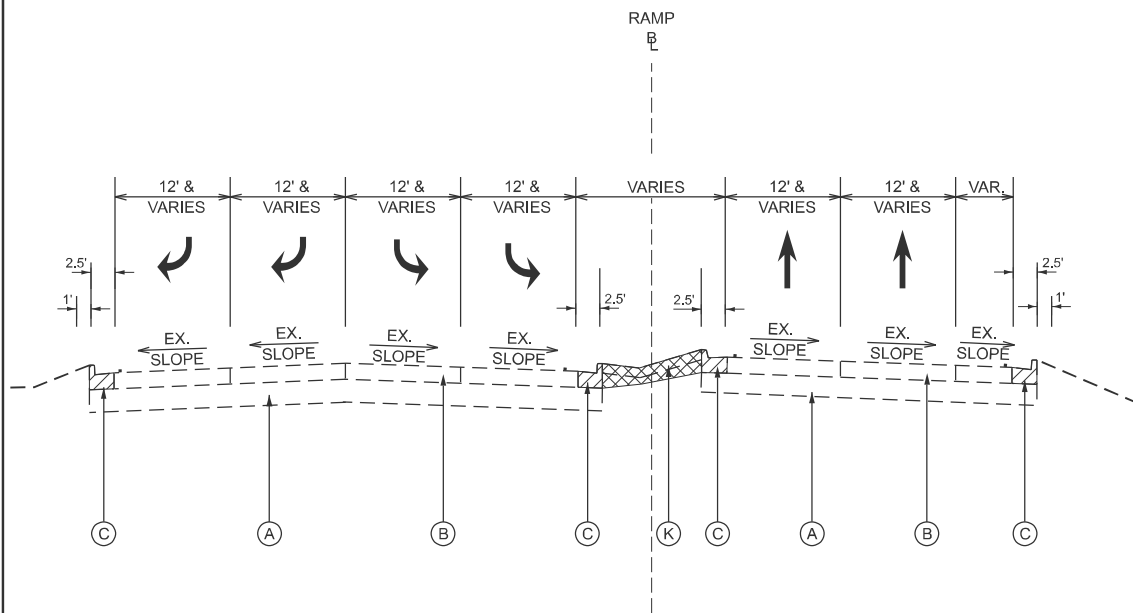
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	14
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

EXISTING LEGEND

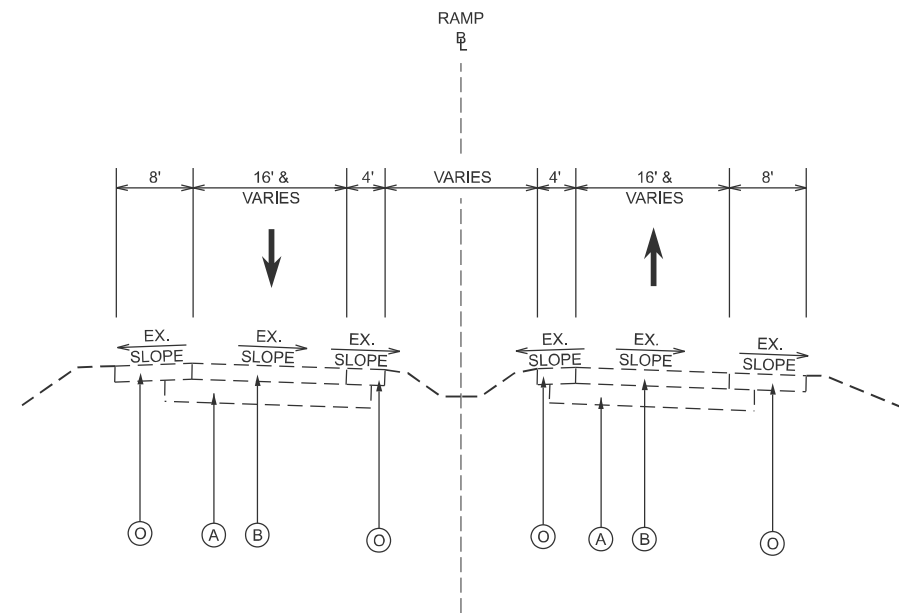
- (A) AGGREGATE BASE COURSE, 12"
- (B) P.C.C. PAVEMENT 10"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (F) CONCRETE MEDIAN
- (G) SANDFILL
- (H) CONCRETE MEDIAN SURFACE, 4"
- (I) BRIDGE PIER
- (J) CONCRETE BARRIER, SINGLE FACE, 6" TOP, 32" HEIGHT
- (K) TOPSOIL
- (L) GUARDRAIL
- (M) RETAINING WALL
- (N) HOT-MIX ASPHALT SHOULDER
- (O) P.C.C. SHOULDER
- [Hatched Box] REMOVAL ITEMS
- [Vertical Lines Box] P.C.C. SURFACE REMOVAL (VAR. DEPTH)

PROPOSED LEGEND

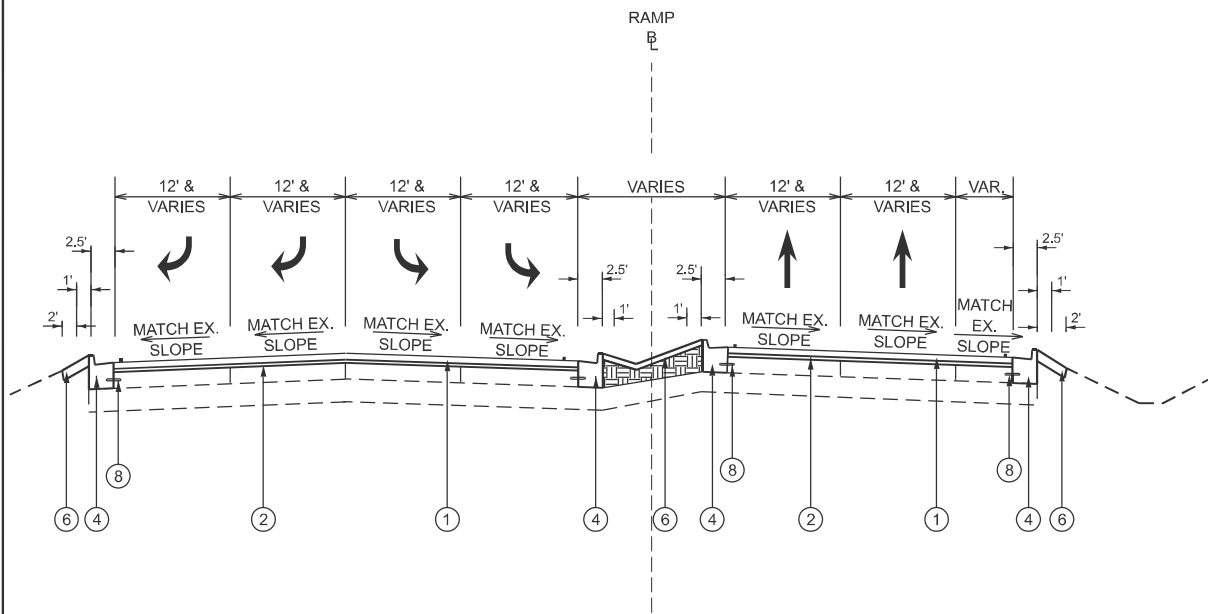
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
- (3) CLASS D PATCHES, 10 INCH (TYPE VARIES)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) TOPSOIL FURNISH AND PLACE, 4"
- (7) CONCRETE MEDIAN SURFACE, 4 INCH
- (8) TIE BAR, 3/4"
- (9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (10) HOT-MIX ASPHALT SHOULDERS, 6"
- [Dotted Box] SUBBASE GRANULAR MATERIAL, TYPE B 4"



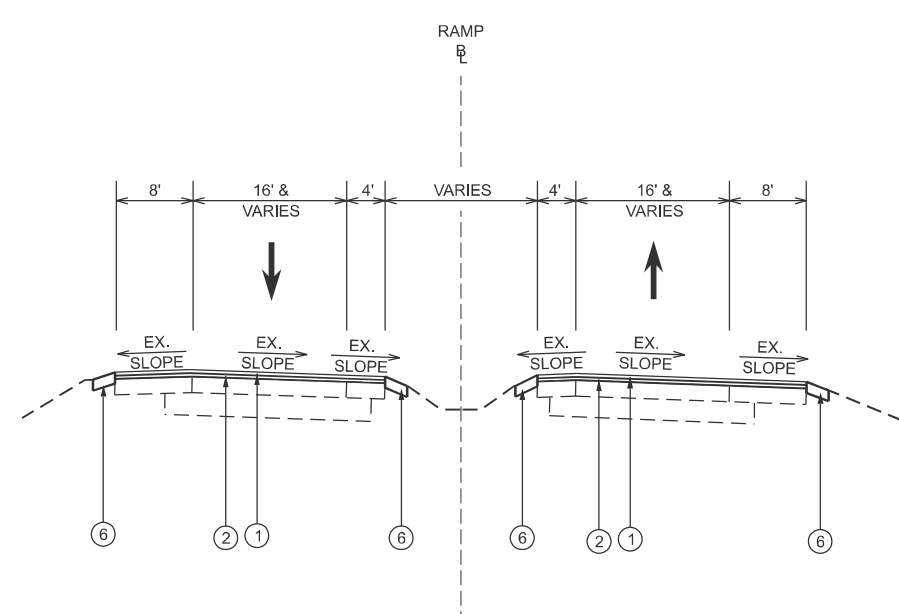
**EXISTING TYPICAL SECTION
IL RTE 53 RAMPS AT IL RTE 62**



**EXISTING TYPICAL SECTION
IL RTE 53 RAMPS TO/FROM IL RTE 62**



**PROPOSED TYPICAL SECTION
IL RTE 53 RAMPS AT IL RTE 62**



**PROPOSED TYPICAL SECTION
IL RTE 53 RAMPS TO/FROM IL RTE 62**



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/5/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
ALGONQUIN ROAD**

SCALE: NONE SHEET 4 OF 5 SHEETS STA. TO STA.

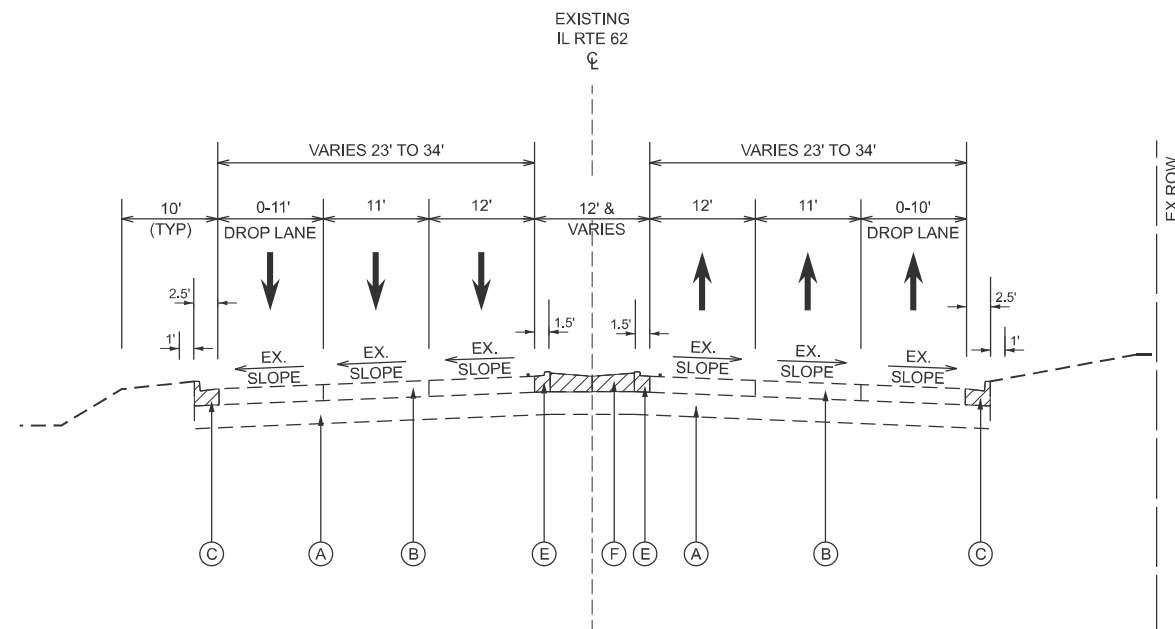
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	15
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

EXISTING LEGEND

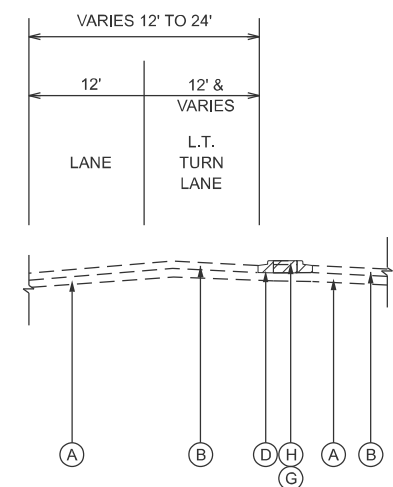
- (A) AGGREGATE BASE COURSE, 12"
- (B) P.C.C. PAVEMENT 10"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12
- (F) CONCRETE MEDIAN
- (G) SANDFILL
- (H) CONCRETE MEDIAN SURFACE, 4"
- (I) BRIDGE PIER
- (J) CONCRETE BARRIER, SINGLE FACE, 6" TOP, 32" HEIGHT
- (K) TOPSOIL
- (L) GUARDRAIL
- (M) RETAINING WALL
- (N) HOT-MIX ASPHALT SHOULDER
- [Hatched] REMOVAL ITEMS
- [Vertical Lines] P.C.C. SURFACE REMOVAL (VAR. DEPTH)

PROPOSED LEGEND

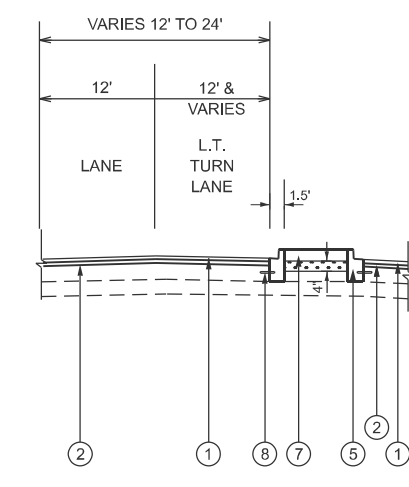
- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"
- (3) CLASS D PATCHES, 10 INCH (TYPE VARIES)
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) TOPSOIL FURNISH AND PLACE, 4"
- (7) CONCRETE MEDIAN SURFACE, 4 INCH
- (8) TIE BAR, 3/4"
- (9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (10) HOT-MIX ASPHALT SHOULDERS, 6"
- [Dotted] SUBBASE GRANULAR MATERIAL, TYPE B 4"



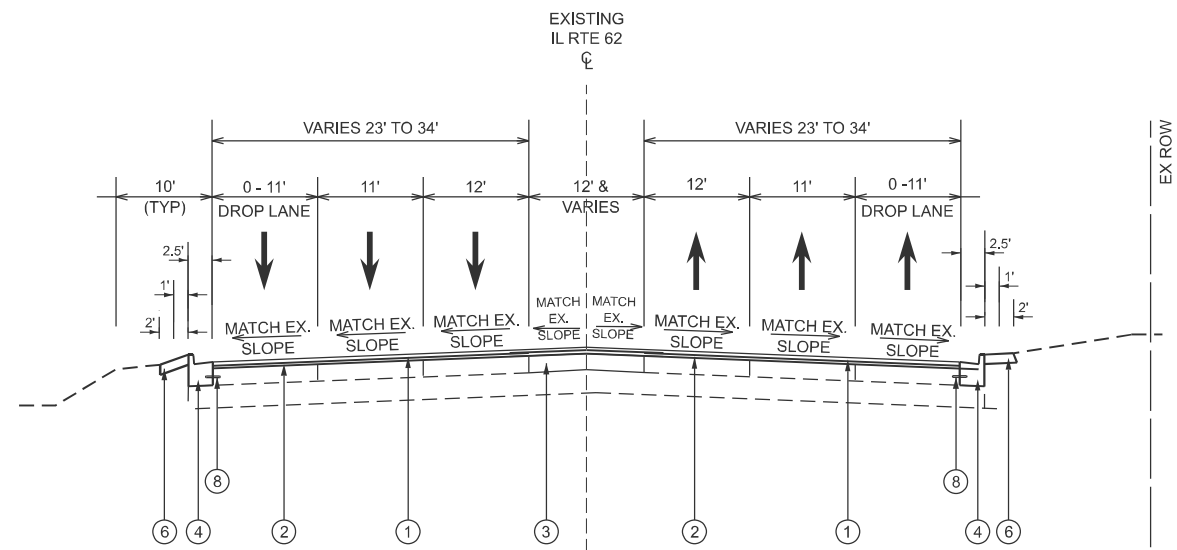
**EXISTING TYPICAL SECTION
IL RTE 62**
STA 59+04 TO STA 64+46.8



**EX TYPICAL LEFT TURN LANES
IL RTE 62**
STA 26+76 TO STA 28+63
STA 48+46 TO STA 51+15
STA 52+28 TO STA 54+83



**PR TYPICAL LEFT TURN LANES
IL RTE 62**
STA 26+76 TO STA 28+63
STA 48+46 TO STA 51+15
STA 52+28 TO STA 54+83



**PROPOSED TYPICAL SECTION
IL RTE 62**
STA 59+04 TO STA 64+46.8

NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIAL SPECIFICATIONS.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLY HMA BC IL-4.75 N50.
4. CLASS D PATCHING SHALL BE COMPLETED PRIOR TO HMA OVERLAY.
5. ADDITIONAL CLASS D PATCH LOCATIONS TO BE DIRECTED BY ENGINEER DURING CONSTRUCTION.

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QMP DESIGNATION
IL RTE 62 RESURFACING AND RAMPS		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1 3/4"	4% @ 70 GYR	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"	3.5% @ 50 GYR	QCP
PATCHING		
CLASS D PATCH - HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT SHOULDERS, 6" (GUARDRAIL)		
HOT-MIX ASPHALT BINDER, IL-19.0, N70	4% @ 70 GYR	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PPF)		



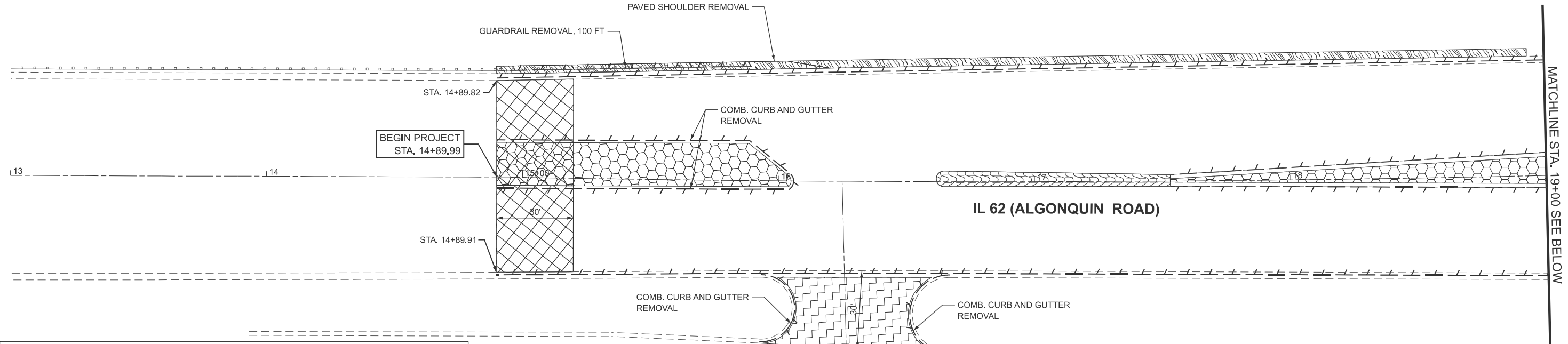
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	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
ALGONQUIN ROAD**

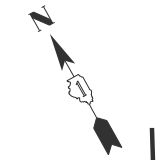
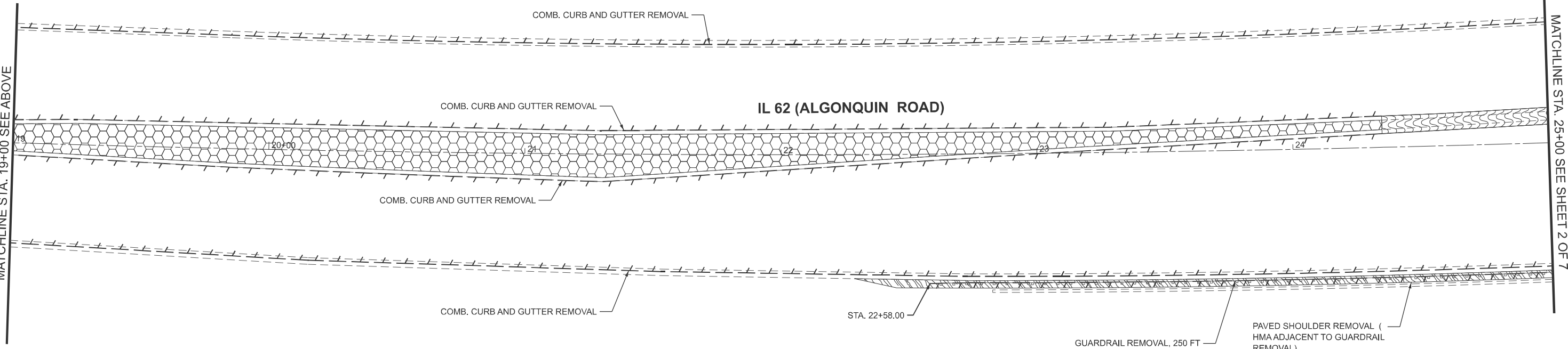
SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	16
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

	SIDEWALK REMOVAL		PCC SURFACE REMOVAL - BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL		LINEAR REMOVAL
	MEDIAN REMOVAL (MOUNTABLE)		PAVED SHOULDER REMOVAL
	MEDIAN REMOVAL (BARRIER)		MEDIAN REMOVAL, PARTIAL DEPTH
	ISLAND REMOVAL		



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 830 724 9200 phone
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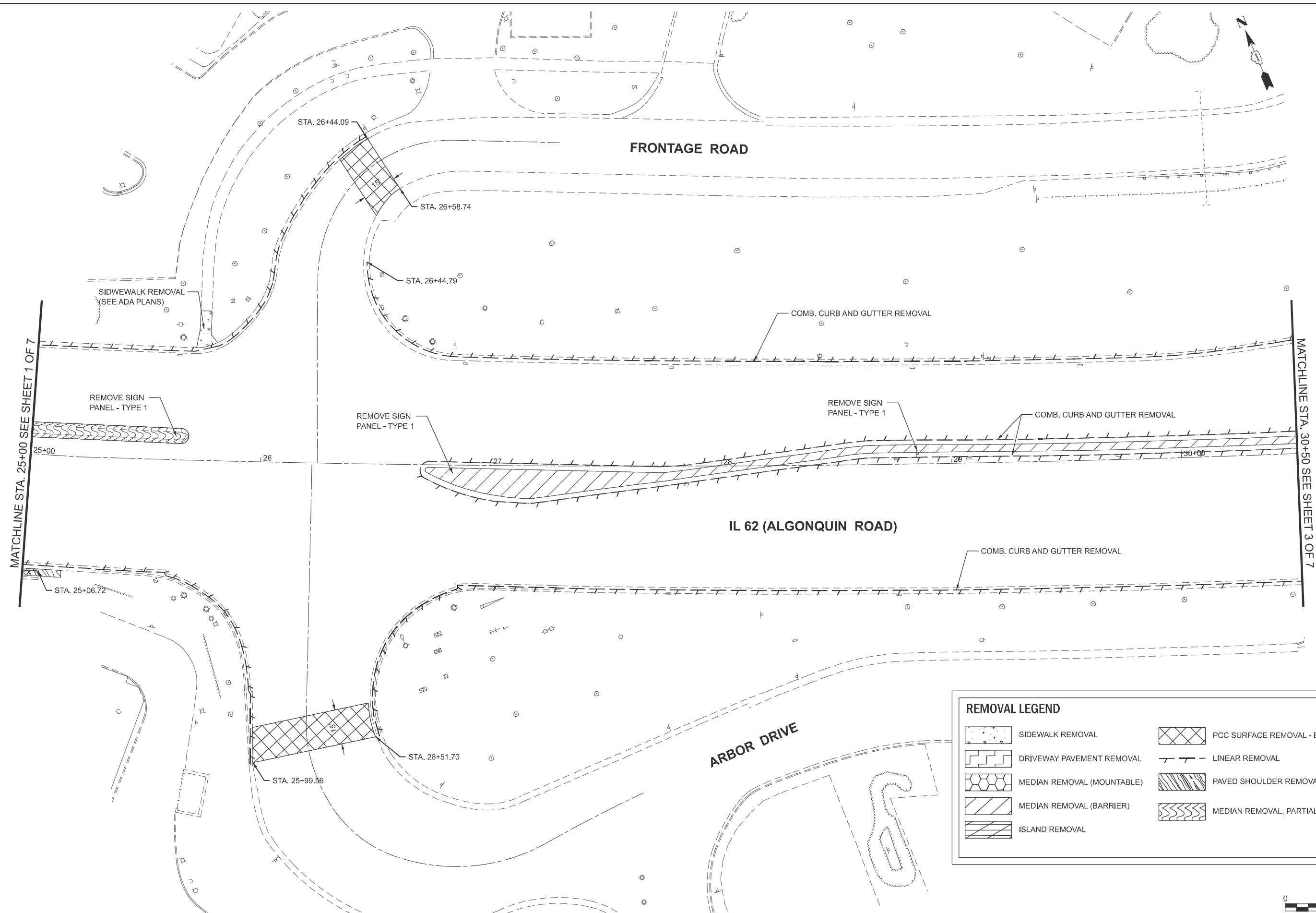
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	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/20/2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**










**REMOVAL PLAN
 ALGONQUIN ROAD**

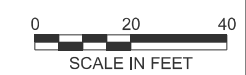
SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. 14+89.97 TO STA. 25+00.00

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 17
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

	SIDWALK REMOVAL		PCC SURFACE REMOVAL - BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL		LINEAR REMOVAL
	MEDIAN REMOVAL (MOUNTABLE)		PAVED SHOULDER REMOVAL
	MEDIAN REMOVAL (BARRIER)		MEDIAN REMOVAL, PARTIAL DEPTH
	ISLAND REMOVAL		




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	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/20/2026	REVISED -

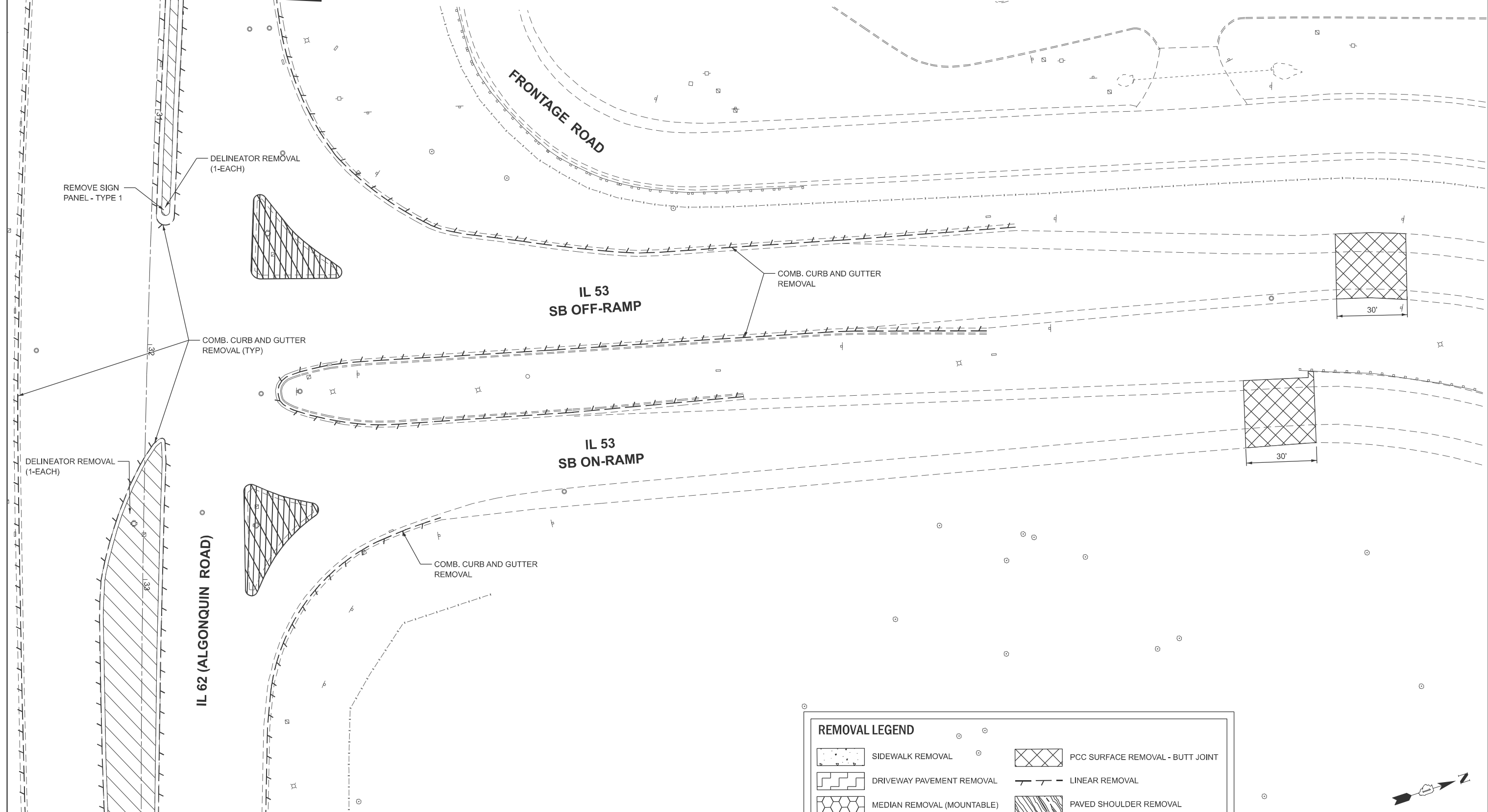
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	18
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

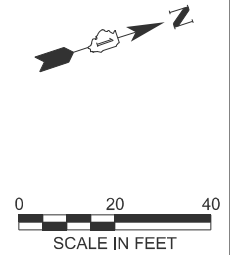
MATCHLINE STA. 30+50 SEE SHEET 2 OF 7



MATCHLINE STA. 34+00 SEE SHEET 4 OF 7

REMOVAL LEGEND

	SIDEWALK REMOVAL		PCC SURFACE REMOVAL - BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL		LINEAR REMOVAL
	MEDIAN REMOVAL (MOUNTABLE)		PAVED SHOULDER REMOVAL
	MEDIAN REMOVAL (BARRIER)		MEDIAN REMOVAL, PARTIAL DEPTH
	ISLAND REMOVAL		



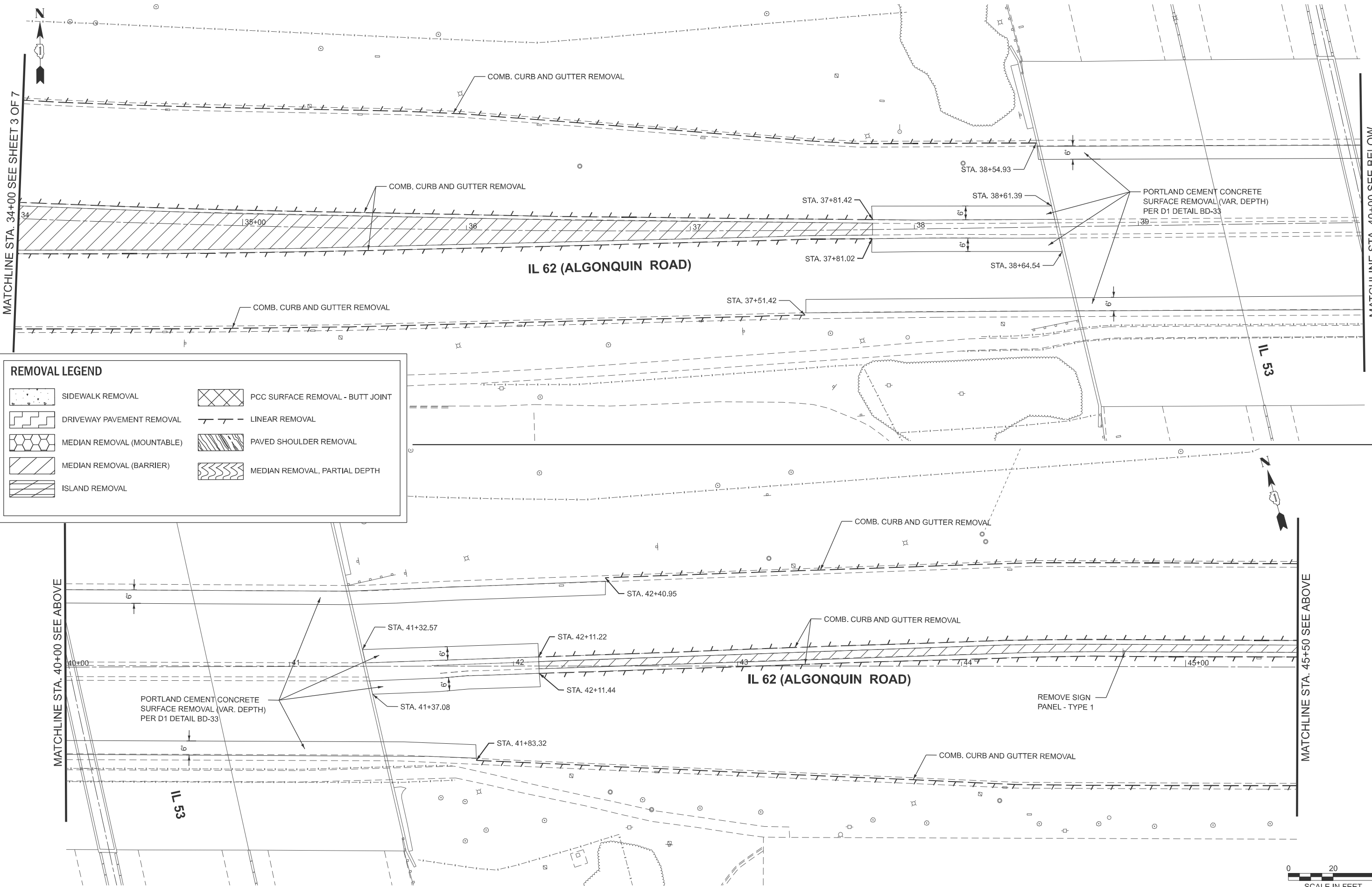
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	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. 30+50.00 TO STA. 34+00.00

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 19
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

	SIDEWALK REMOVAL		PCC SURFACE REMOVAL - BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL		LINEAR REMOVAL
	MEDIAN REMOVAL (MOUNTABLE)		PAVED SHOULDER REMOVAL
	MEDIAN REMOVAL (BARRIER)		MEDIAN REMOVAL, PARTIAL DEPTH
	ISLAND REMOVAL		

MATCHLINE STA. 40+00 SEE ABOVE

MATCHLINE STA. 45+50 SEE ABOVE



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/20/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 20
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 45+50 SEE SHEET 4 OF 7

REMOVAL LEGEND

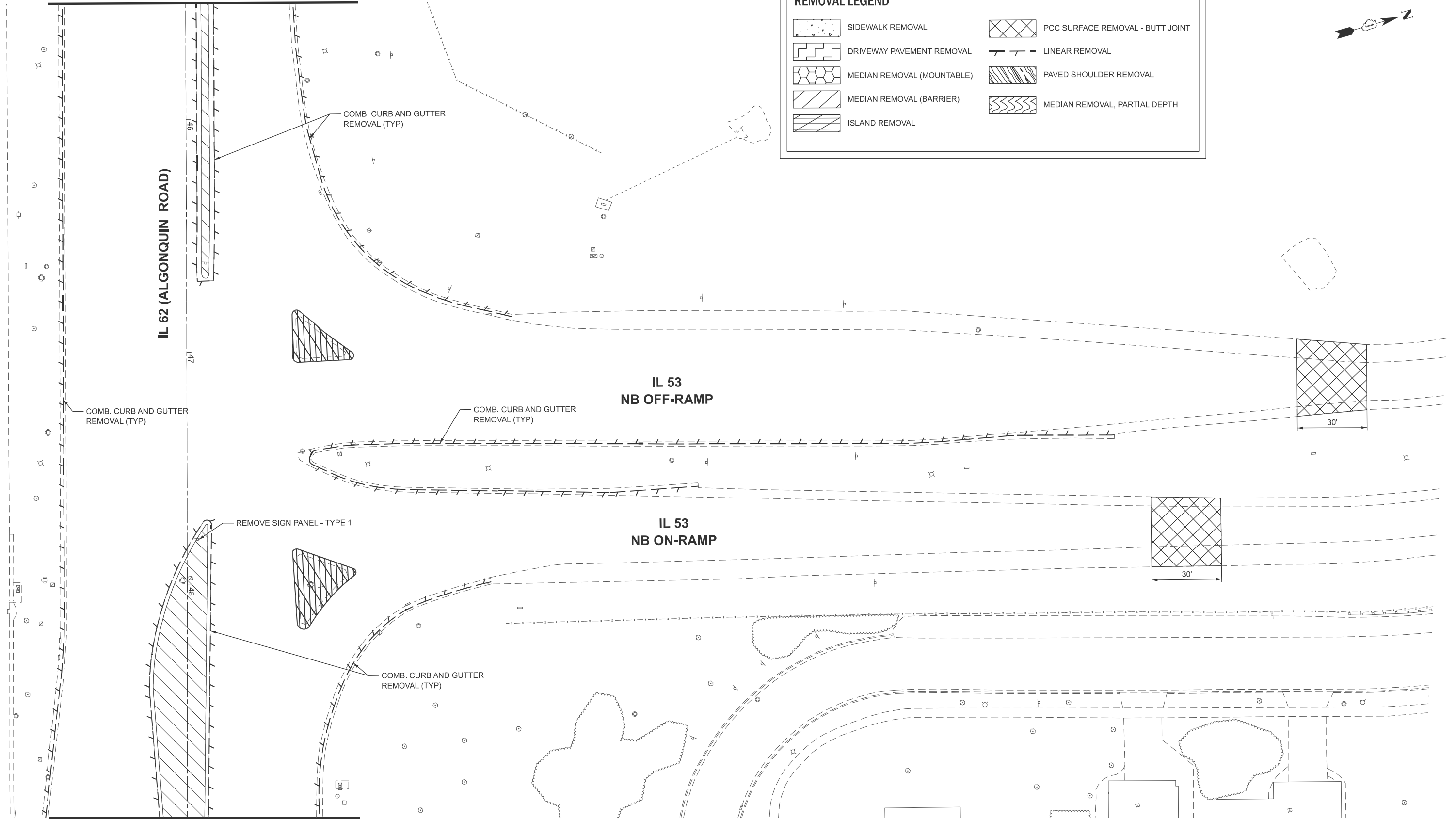
	SIDEWALK REMOVAL		PCC SURFACE REMOVAL - BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL		LINEAR REMOVAL
	MEDIAN REMOVAL (MOUNTABLE)		PAVED SHOULDER REMOVAL
	MEDIAN REMOVAL (BARRIER)		MEDIAN REMOVAL, PARTIAL DEPTH
	ISLAND REMOVAL		



IL 62 (ALGONQUIN ROAD)

IL 53 NB OFF-RAMP

IL 53 NB ON-RAMP



MATCHLINE STA. 49+00 SEE SHEET 6 OF 7



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	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
ALGONQUIN ROAD

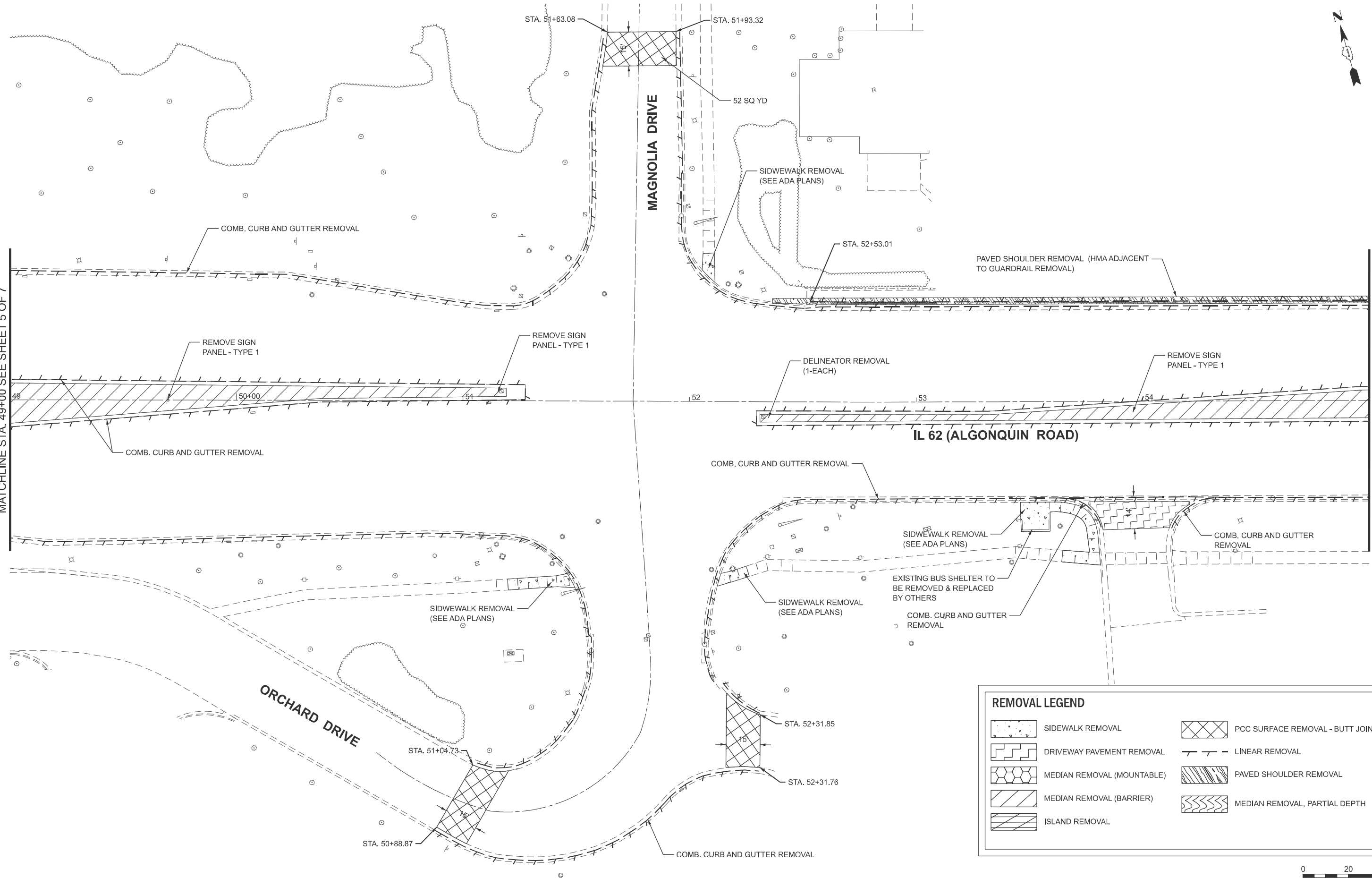
SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. 45+50.00 TO STA. 49+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	21
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 49+00 SEE SHEET 5 OF 7

MATCHLINE STA. 55+00 SEE SHEET 5 OF 7



REMOVAL LEGEND	
	SIDWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	MEDIAN REMOVAL (MOUNTABLE)
	MEDIAN REMOVAL (BARRIER)
	ISLAND REMOVAL
	PCC SURFACE REMOVAL - BUTT JOINT
	LINEAR REMOVAL
	PAVED SHOULDER REMOVAL
	MEDIAN REMOVAL, PARTIAL DEPTH



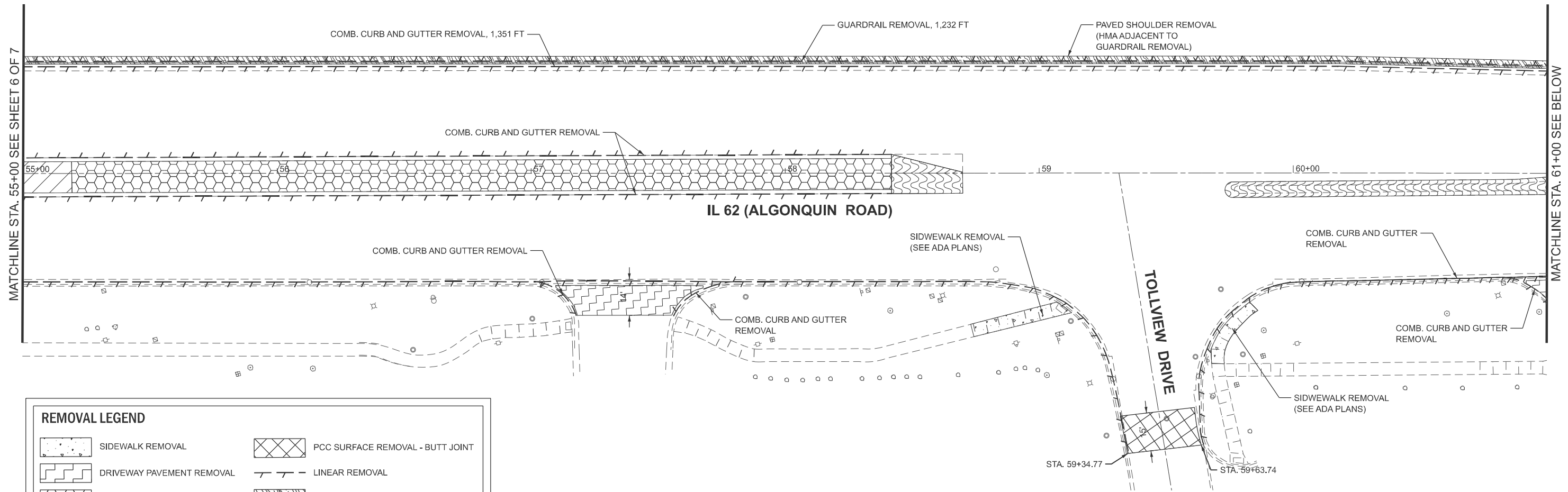
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	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/20/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
ALGONQUIN ROAD**

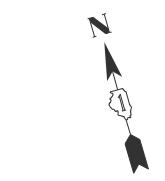
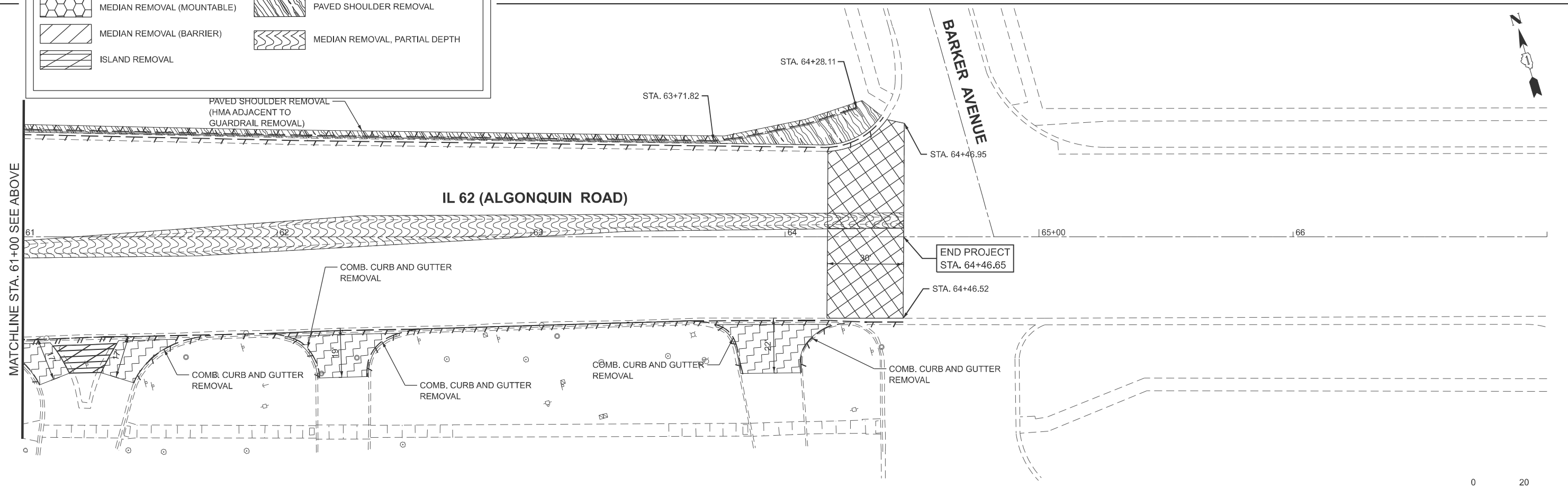
SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	22
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



REMOVAL LEGEND

	SIDEWALK REMOVAL		PCC SURFACE REMOVAL - BUTT JOINT
	DRIVEWAY PAVEMENT REMOVAL		LINEAR REMOVAL
	MEDIAN REMOVAL (MOUNTABLE)		PAVED SHOULDER REMOVAL
	MEDIAN REMOVAL (BARRIER)		MEDIAN REMOVAL, PARTIAL DEPTH
	ISLAND REMOVAL		



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/20/2026	DATE - 3/20/2026	REVISED -


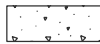

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
ALGONQUIN ROAD**

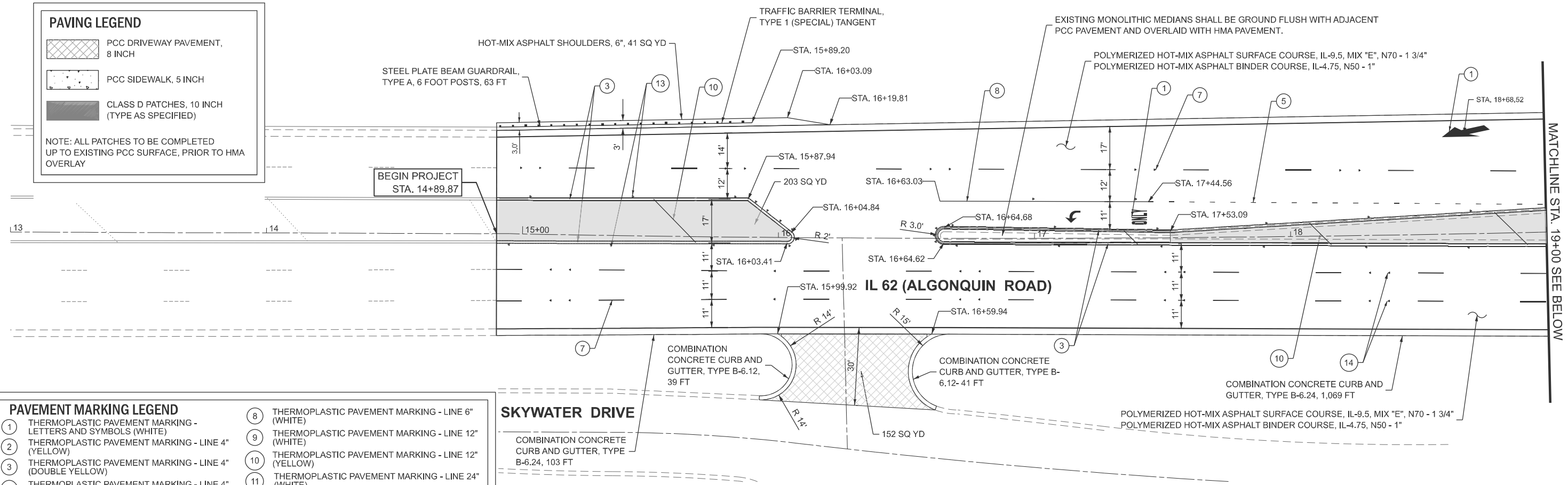
SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. 55+00.00 TO STA. 64+46.70

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 23
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

PAVING LEGEND

-  PCC DRIVEWAY PAVEMENT, 8 INCH
-  PCC SIDEWALK, 5 INCH
-  CLASS D PATCHES, 10 INCH (TYPE AS SPECIFIED)

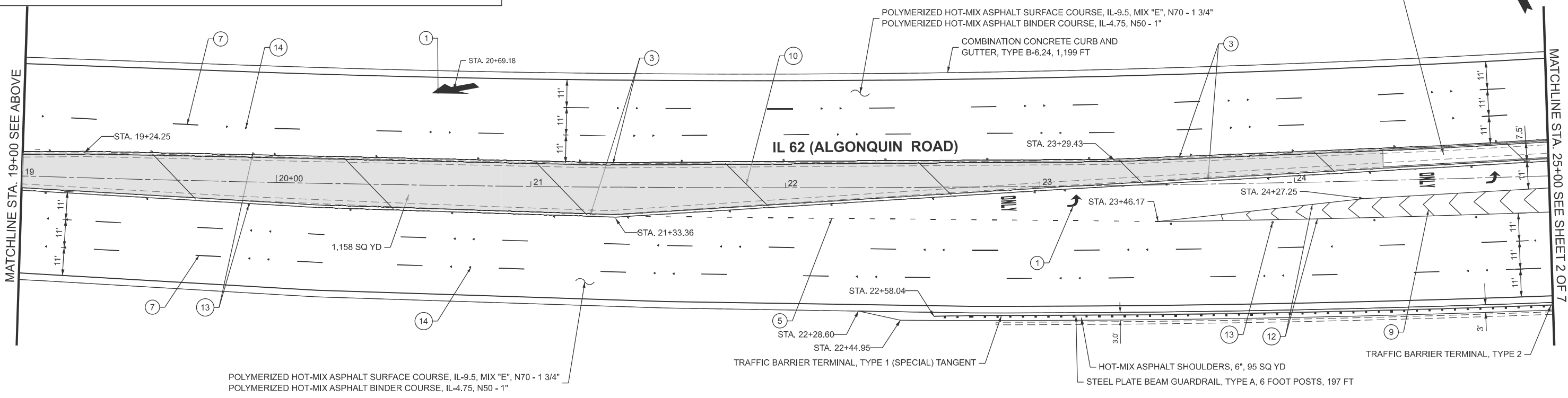
NOTE: ALL PATCHES TO BE COMPLETED UP TO EXISTING PCC SURFACE, PRIOR TO HMA OVERLAY



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (YELLOW)
- ⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4", 10' DASH, 30' SKIP (WHITE)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER MARKER) 40' C-C
- ⑭ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER) 80' C-C (2)

NOTES:
 1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 2. ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRP DETAIL TC-11



USER NAME =	DESIGNED - LRY	REVISED -
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	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
 ALGONQUIN ROAD

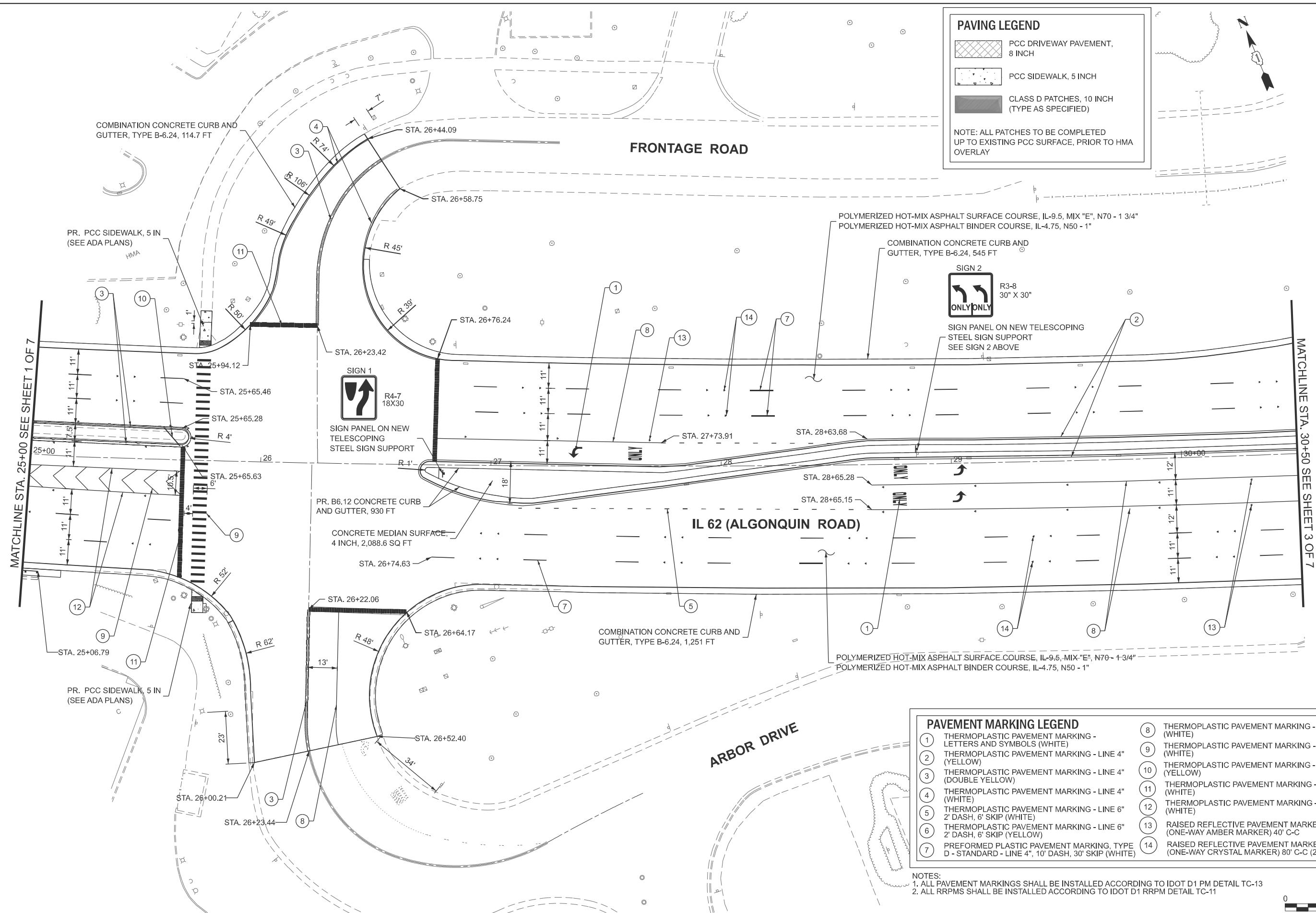
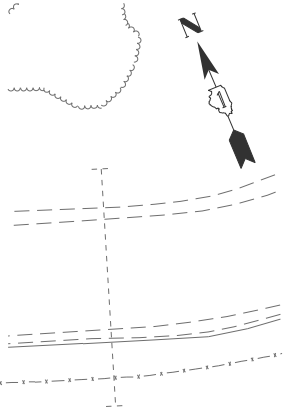
SCALE: 1"=20' SHEET 1 OF 7 SHEETS STA. 14+89.87 TO STA. 25+00.00

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 24
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

PAVING LEGEND

- PCC DRIVEWAY PAVEMENT, 8 INCH
- PCC SIDEWALK, 5 INCH
- CLASS D PATCHES, 10 INCH (TYPE AS SPECIFIED)

NOTE: ALL PATCHES TO BE COMPLETED UP TO EXISTING PCC SURFACE, PRIOR TO HMA OVERLAY



PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)	⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)	⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)	⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6" SKIP (WHITE)	⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6" SKIP (YELLOW)	⑬ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER MARKER) 40' C-C
⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4", 10' DASH, 30' SKIP (WHITE)	⑭ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER) 80' C-C (2)

NOTES:
 1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 2. ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPDM DETAIL TC-11



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

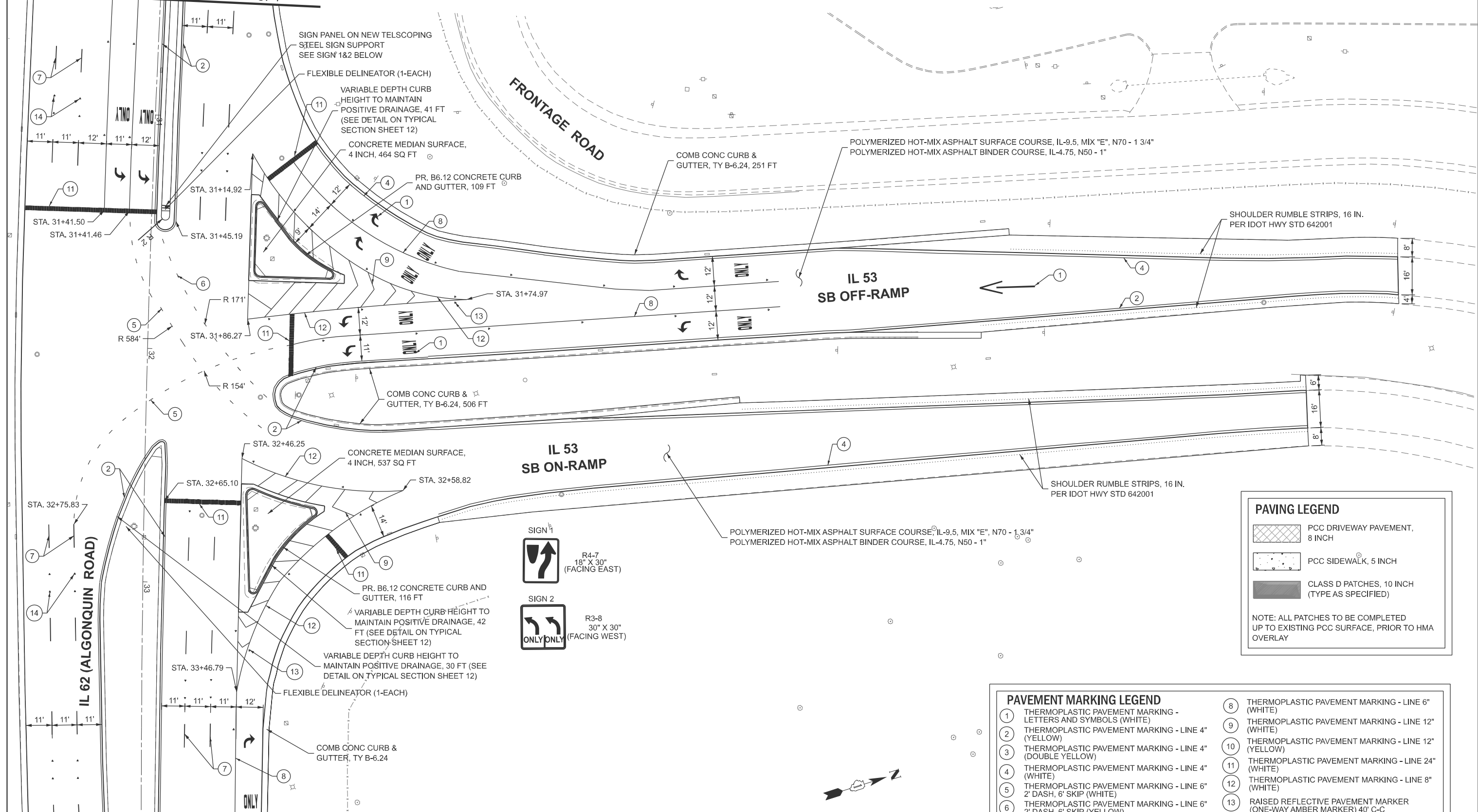
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 2 OF 7 SHEETS STA. 25+00.00 TO STA. 30+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	25
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 30+50 SEE SHEET 2 OF 7



MATCHLINE STA. 34+00 SEE SHEET 4 OF 7

PAVING LEGEND

- PCC DRIVEWAY PAVEMENT, 8 INCH
- PCC SIDEWALK, 5 INCH
- CLASS D PATCHES, 10 INCH (TYPE AS SPECIFIED)

NOTE: ALL PATCHES TO BE COMPLETED UP TO EXISTING PCC SURFACE, PRIOR TO HMA OVERLAY

PAVEMENT MARKING LEGEND

① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)	⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)	⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)	⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (WHITE)	⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (YELLOW)	⑬ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER MARKER) 40' C-C
⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4", 10' DASH, 30' SKIP (WHITE)	⑭ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER) 80' C-C (2)

NOTES:
 1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 2. ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPDM DETAIL TC-11



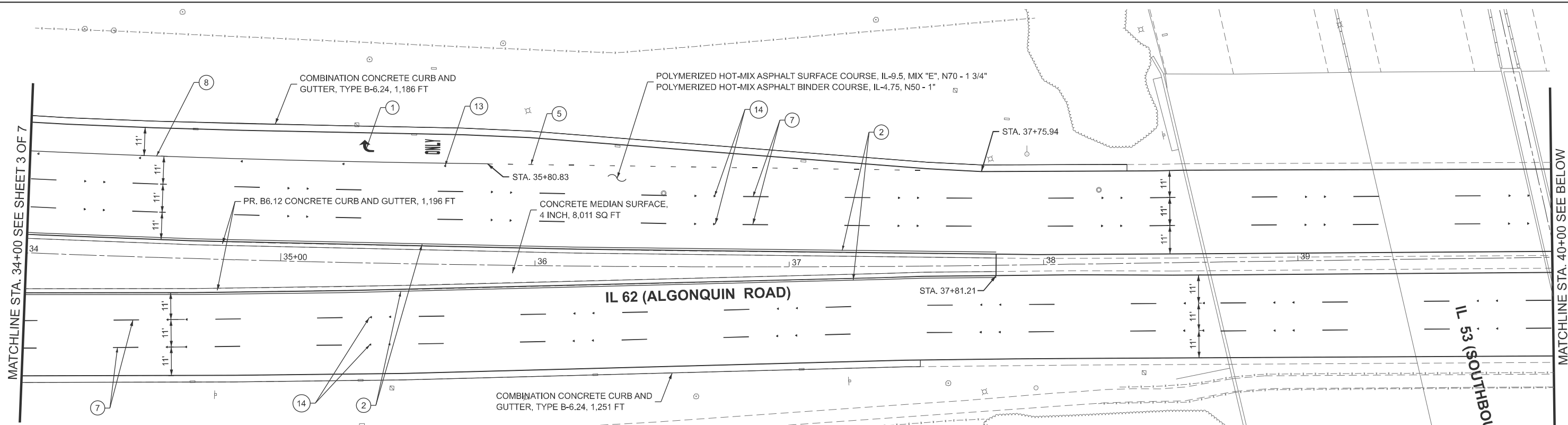
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	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
 ALGONQUIN ROAD

SCALE: 1"=20' SHEET 3 OF 7 SHEETS STA. 30+50.00 TO STA. 34+00.00

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 26
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

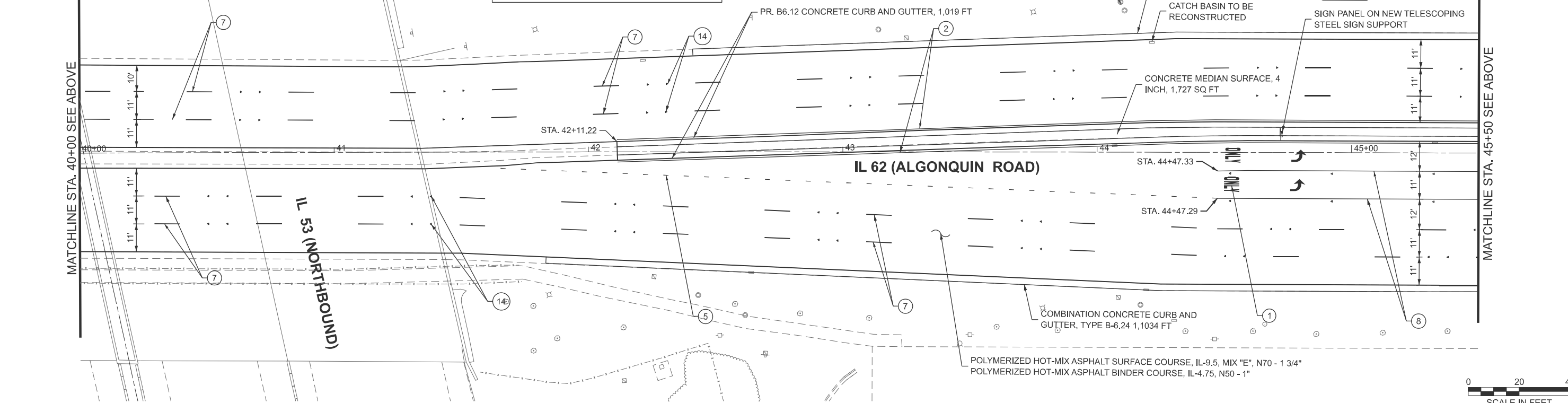
1	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	8	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)	9	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)	10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)	11	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
5	THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (WHITE)	12	THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
6	THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (YELLOW)	13	RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER MARKER) 40' C-C
7	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4", 10' DASH, 30' SKIP (WHITE)	14	RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER) 80' C-C (2)

PAVING LEGEND

	PCC DRIVEWAY PAVEMENT, 8 INCH
	PCC SIDEWALK, 5 INCH
	CLASS D PATCHES, 10 INCH (TYPE AS SPECIFIED)

NOTE: ALL PATCHES TO BE COMPLETED UP TO EXISTING PCC SURFACE, PRIOR TO HMA OVERLAY

NOTES:
 1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 2. ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPMS DETAIL TC-11



V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 830 724 9200 phone
 www.v3co.com

USER NAME =
 DESIGNED - LRY
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 CHECKED - JWB
 PLOT DATE = 5/4/2026

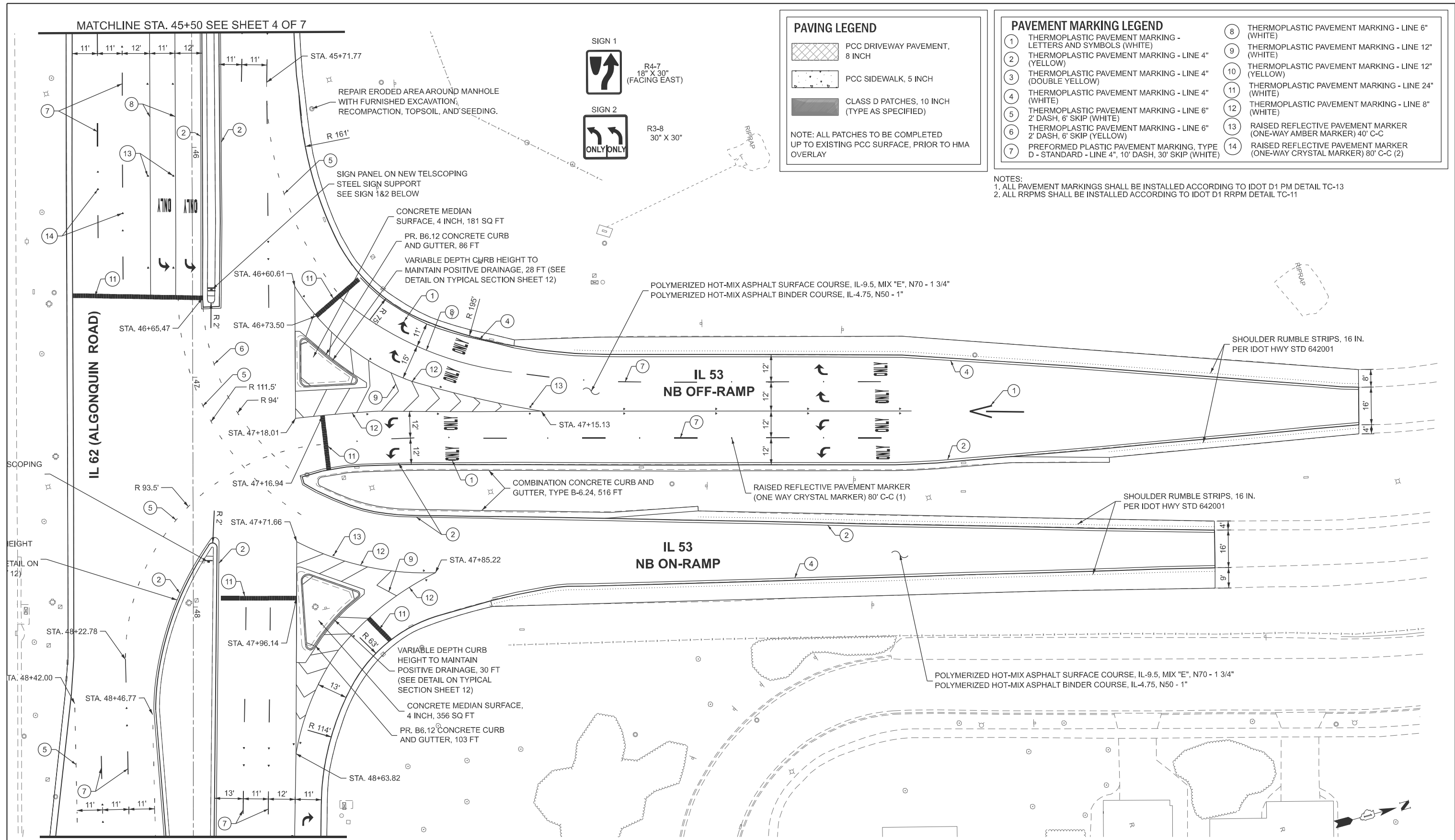
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
 ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 4 OF 7 SHEETS STA. 34+00.00 TO STA. 45+50.00

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 27
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



PAVING LEGEND

- PCC DRIVEWAY PAVEMENT, 8 INCH
- PCC SIDEWALK, 5 INCH
- CLASS D PATCHES, 10 INCH (TYPE AS SPECIFIED)

NOTE: ALL PATCHES TO BE COMPLETED UP TO EXISTING PCC SURFACE, PRIOR TO HMA OVERLAY

PAVEMENT MARKING LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (WHITE)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (YELLOW)
- 7 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4", 10' DASH, 30' SKIP (WHITE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
- 11 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- 12 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- 13 RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER MARKER) 40' C-C
- 14 RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER) 80' C-C (2)

NOTES:
 1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
 2. ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPDM DETAIL TC-11



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE - 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




**ROADWAY AND PAVEMENT MARKING PLAN
ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 5 OF 7 SHEETS STA. 45+50.00 TO STA. 49+00.00

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 28
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



PAVING LEGEND

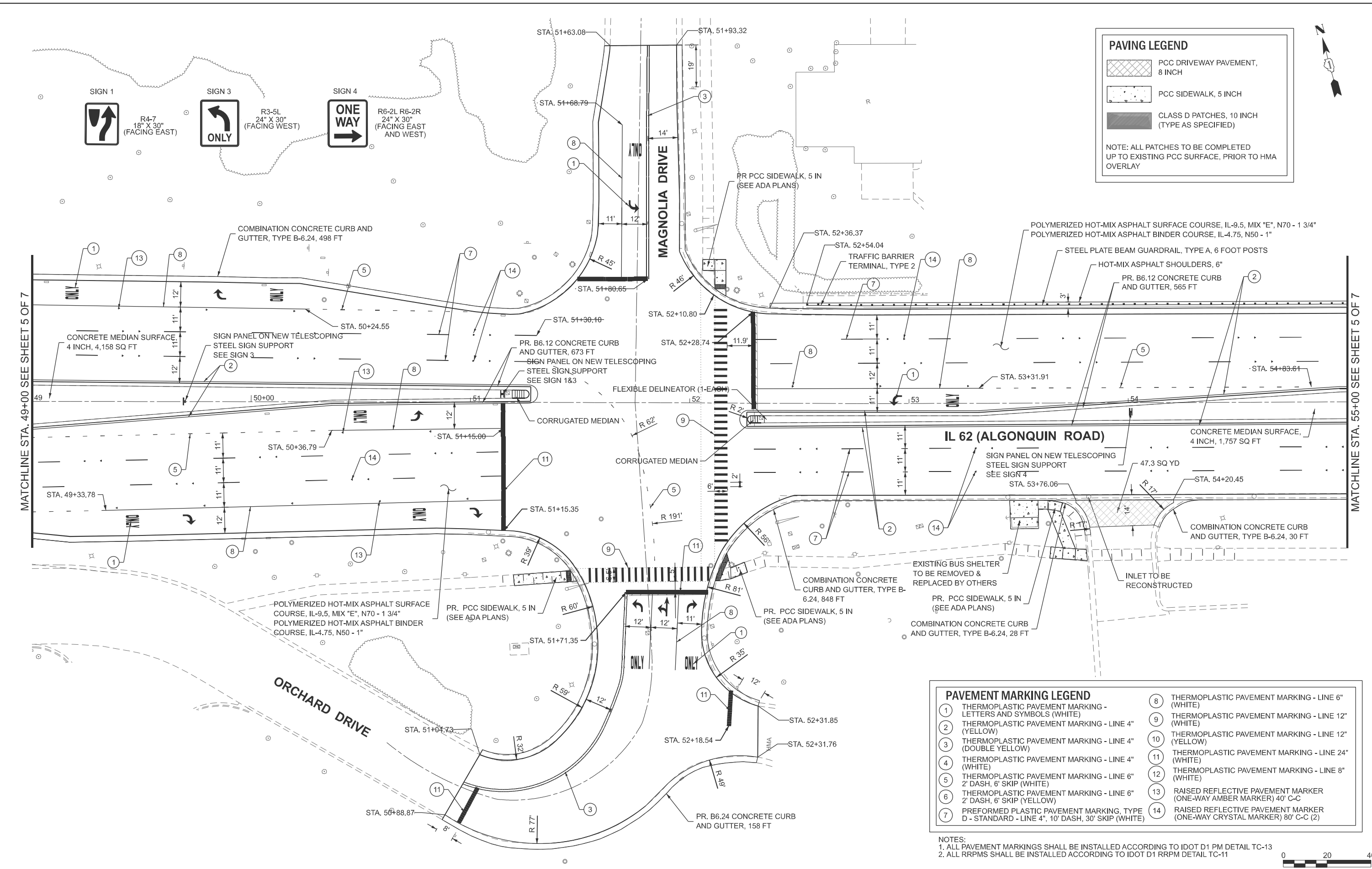
-  PCC DRIVEWAY PAVEMENT, 8 INCH
-  PCC SIDEWALK, 5 INCH
-  CLASS D PATCHES, 10 INCH (TYPE AS SPECIFIED)

NOTE: ALL PATCHES TO BE COMPLETED UP TO EXISTING PCC SURFACE, PRIOR TO HMA OVERLAY

PAVEMENT MARKING LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (WHITE)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (YELLOW)
- 7 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4", 10' DASH, 30' SKIP (WHITE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)
- 11 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
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- 14 RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER) 80' C-C (2)

NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
2. ALL RRRMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRRM DETAIL TC-11



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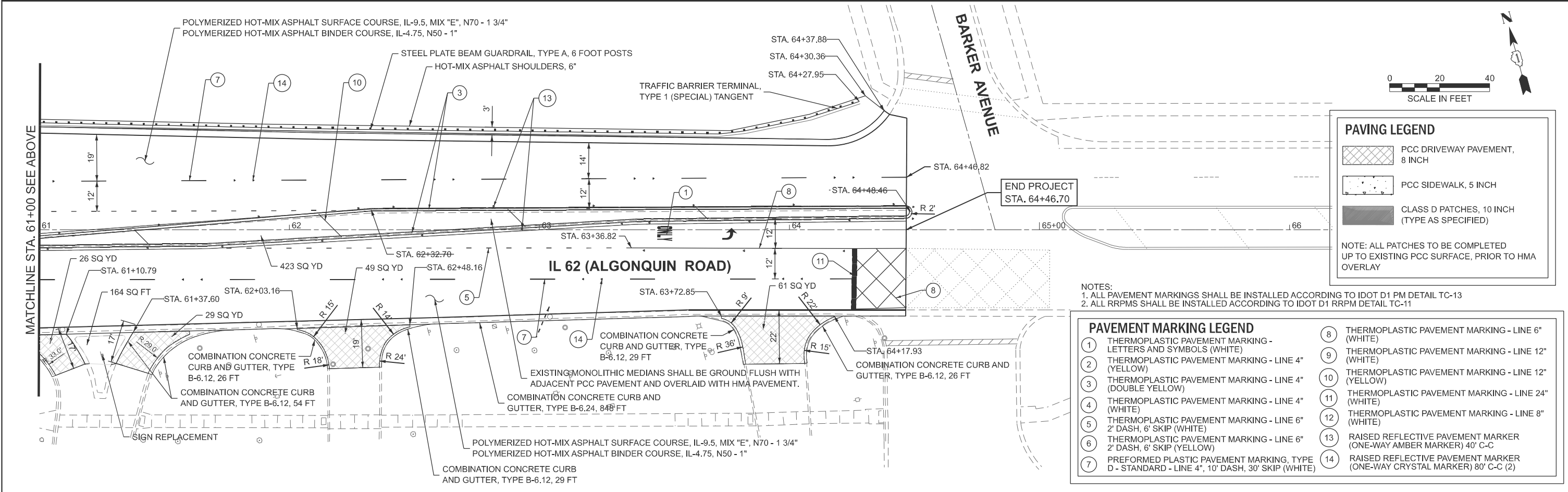
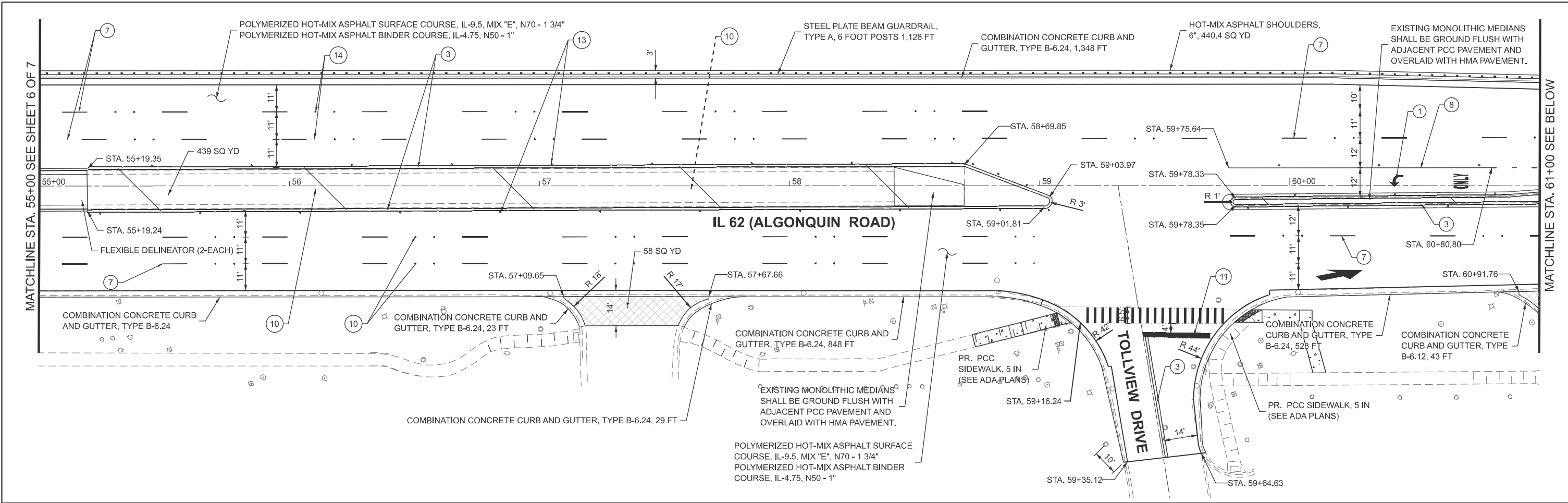
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PLOT DATE = 5/4/2026	DATE = 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. 49+00.00 TO STA. 55+00.00

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 29
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



PAVING LEGEND

- PCC DRIVEWAY PAVEMENT, 8 INCH
- PCC SIDEWALK, 5 INCH
- CLASS D PATCHES, 10 INCH (TYPE AS SPECIFIED)

NOTE: ALL PATCHES TO BE COMPLETED UP TO EXISTING PCC SURFACE, PRIOR TO HMA OVERLAY

NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT D1 PM DETAIL TC-13
2. ALL RRPMS SHALL BE INSTALLED ACCORDING TO IDOT D1 RRPMS DETAIL TC-11

PAVEMENT MARKING LEGEND

<ul style="list-style-type: none"> ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW) ③ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW) ④ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (WHITE) ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 6" 2' DASH, 6' SKIP (YELLOW) ⑦ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 4", 10' DASH, 30' SKIP (WHITE) 	<ul style="list-style-type: none"> ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE) ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW) ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE) ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE) ⑬ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER MARKER) 40' C-C ⑭ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER) 80' C-C (2)
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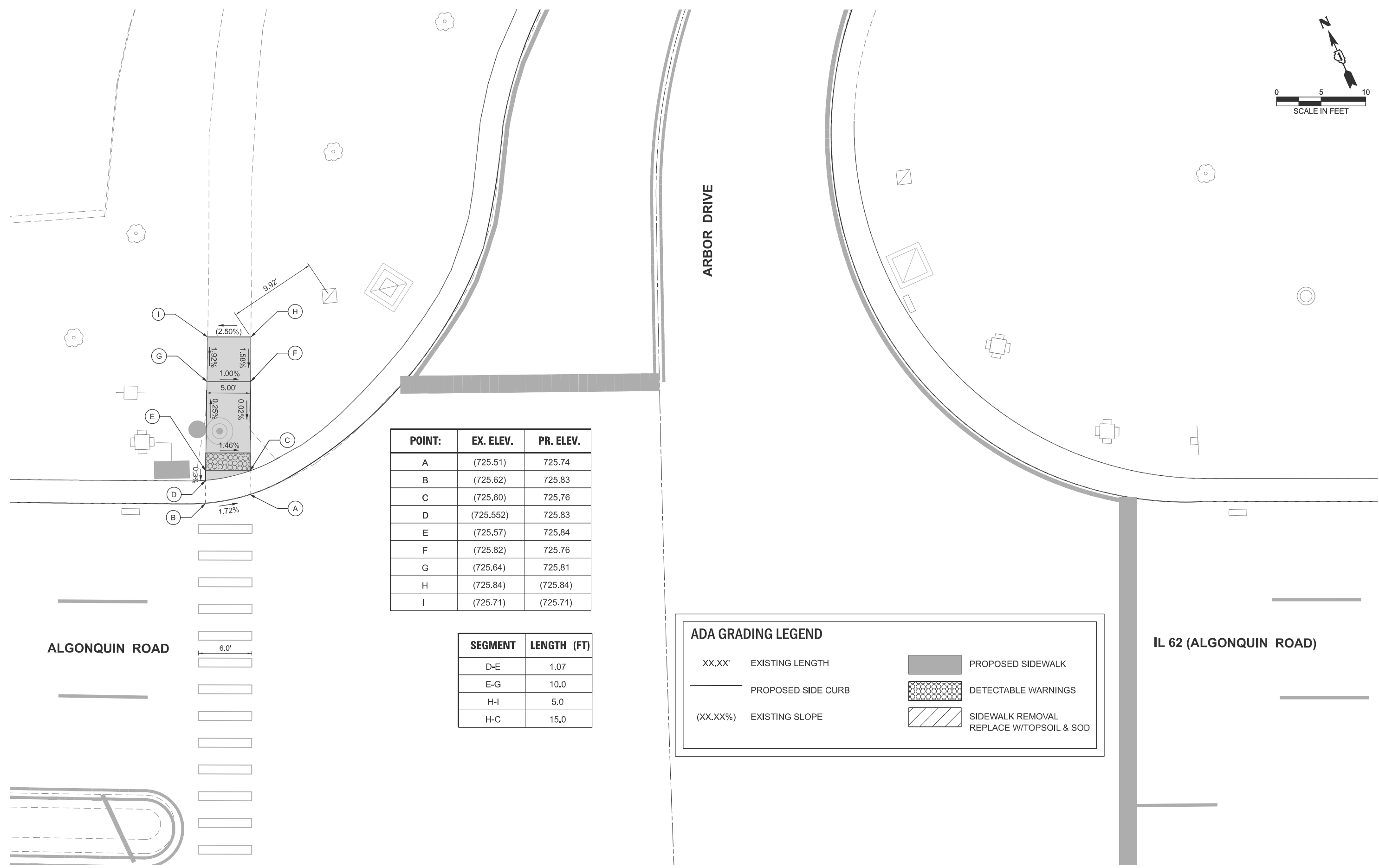
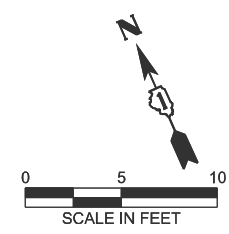
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	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 5/4/2026	DATE = 5/4/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY AND PAVEMENT MARKING PLAN
ALGONQUIN ROAD**

SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. 55+00.00 TO STA. 64+46.70

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	30
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



POINT:	EX. ELEV.	PR. ELEV.
A	(725.51)	725.74
B	(725.62)	725.83
C	(725.60)	725.76
D	(725.552)	725.83
E	(725.57)	725.84
F	(725.82)	725.76
G	(725.64)	725.81
H	(725.84)	(725.84)
I	(725.71)	(725.71)

SEGMENT	LENGTH (FT)
D-E	1.07
E-G	10.0
H-I	5.0
H-C	15.0

ADA GRADING LEGEND

XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
—	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(XX.XX%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD



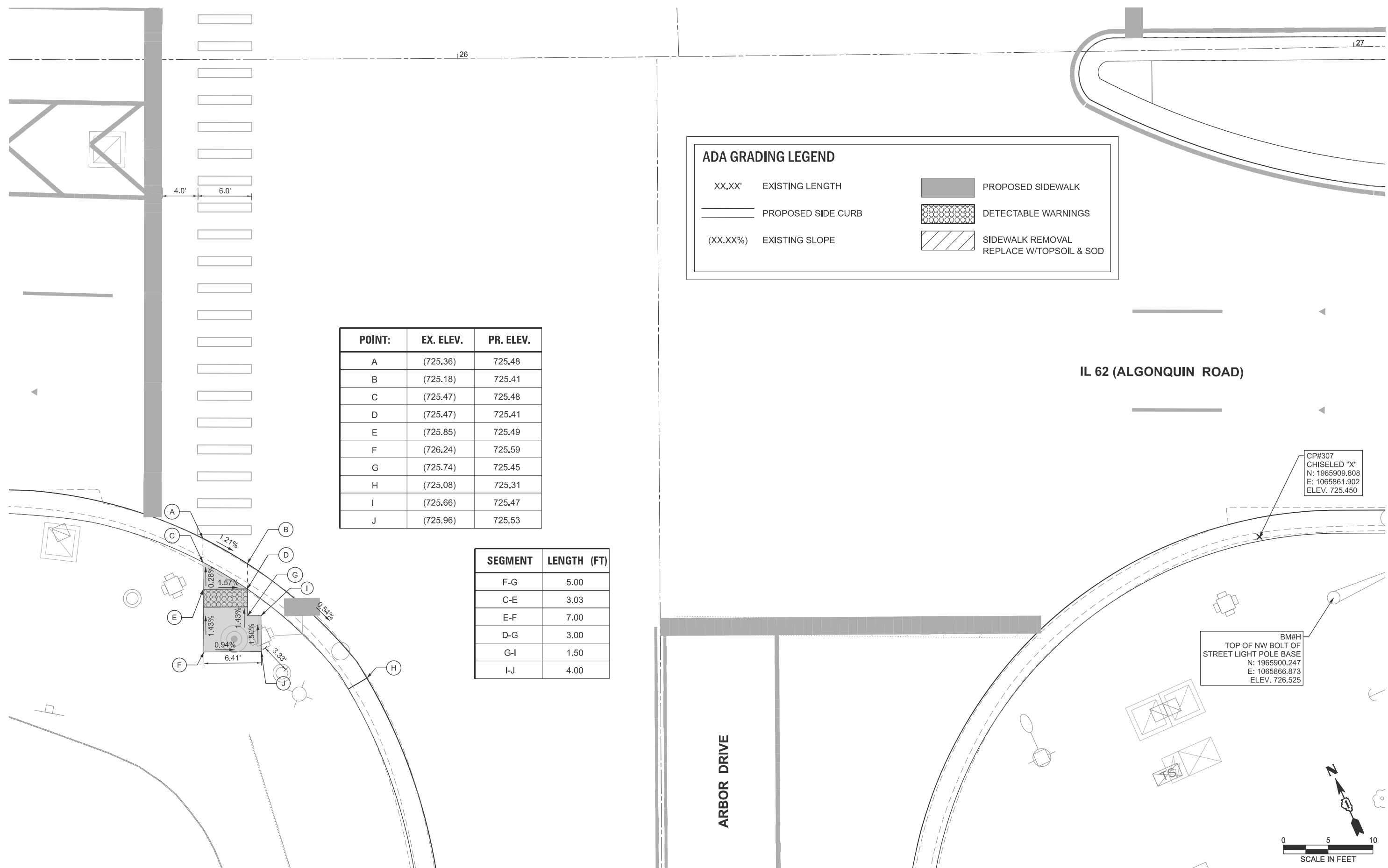
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	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
ALGONQUIN ROAD AND ARBOR DRIVE**

SCALE: 1"=5' SHEET 1 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	31
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



ADA GRADING LEGEND

XX,XX'	EXISTING LENGTH		PROPOSED SIDEWALK
—	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(XX.XX%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

POINT:	EX. ELEV.	PR. ELEV.
A	(725.36)	725.48
B	(725.18)	725.41
C	(725.47)	725.48
D	(725.47)	725.41
E	(725.85)	725.49
F	(726.24)	725.59
G	(725.74)	725.45
H	(725.08)	725.31
I	(725.66)	725.47
J	(725.96)	725.53

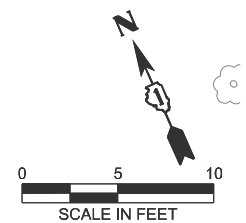
SEGMENT	LENGTH (FT)
F-G	5.00
C-E	3.03
E-F	7.00
D-G	3.00
G-I	1.50
I-J	4.00

IL 62 (ALGONQUIN ROAD)

ARBOR DRIVE

CP#307
CHISELED "X"
N: 1965909.808
E: 1065861.902
ELEV. 725.450

BM#H
TOP OF NW BOLT OF
STREET LIGHT POLE BASE
N: 1965900.247
E: 1065866.873
ELEV. 726.525



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	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
ALGONQUIN ROAD AND ARBOR DRIVE

SCALE: 1"=5' SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	32
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

ADA GRADING LEGEND

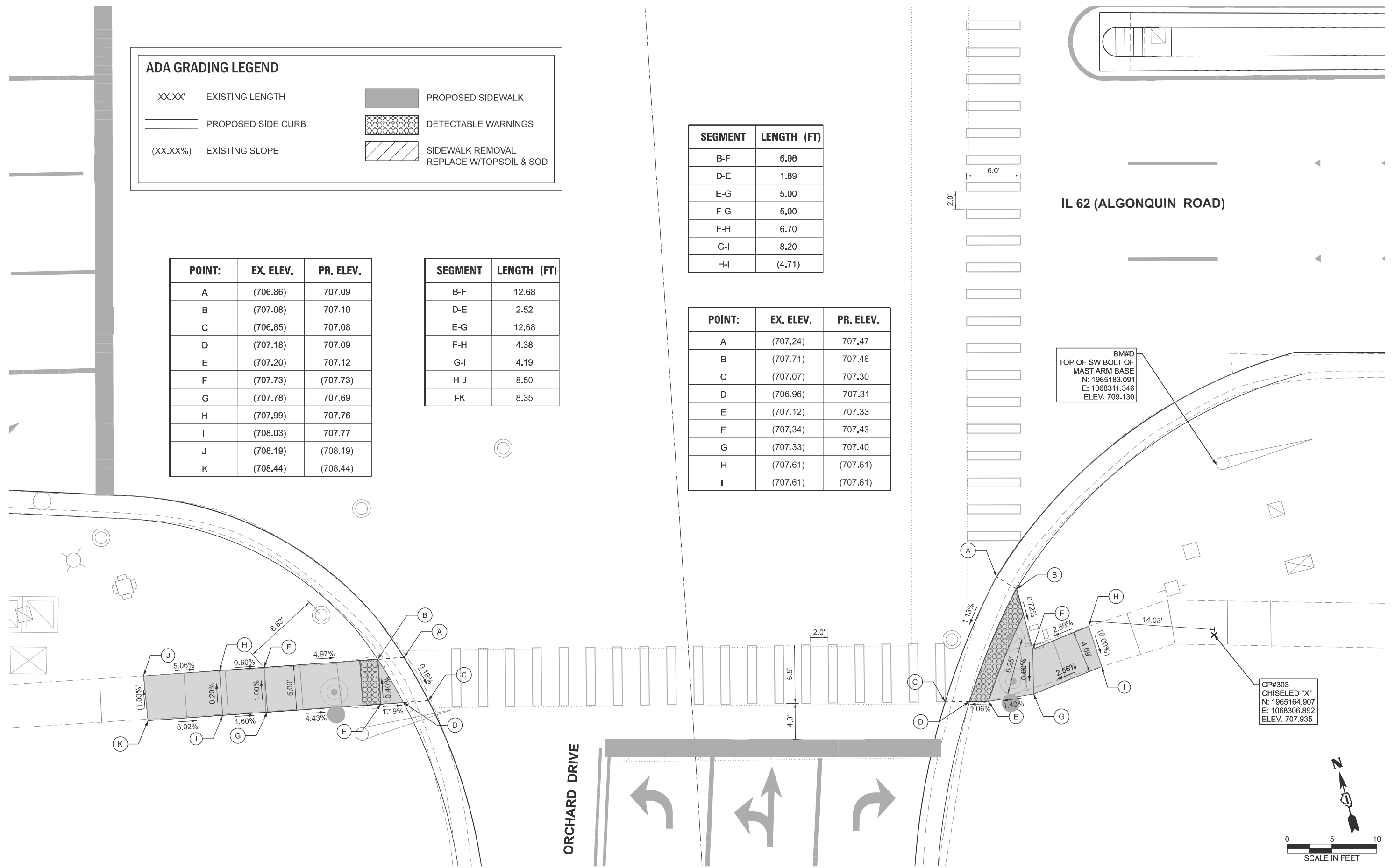
XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
(XX.XX%)	EXISTING SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

POINT:	EX. ELEV.	PR. ELEV.
A	(706.86)	707.09
B	(707.08)	707.10
C	(706.85)	707.08
D	(707.18)	707.09
E	(707.20)	707.12
F	(707.73)	(707.73)
G	(707.78)	707.69
H	(707.99)	707.76
I	(708.03)	707.77
J	(708.19)	(708.19)
K	(708.44)	(708.44)

SEGMENT	LENGTH (FT)
B-F	12.68
D-E	2.52
E-G	12.68
F-H	4.38
G-I	4.19
H-J	8.50
I-K	8.35

SEGMENT	LENGTH (FT)
B-F	6.98
D-E	1.89
E-G	5.00
F-G	5.00
F-H	6.70
G-I	8.20
H-I	(4.71)

POINT:	EX. ELEV.	PR. ELEV.
A	(707.24)	707.47
B	(707.71)	707.48
C	(707.07)	707.30
D	(706.96)	707.31
E	(707.12)	707.33
F	(707.34)	707.43
G	(707.33)	707.40
H	(707.61)	(707.61)
I	(707.61)	(707.61)



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

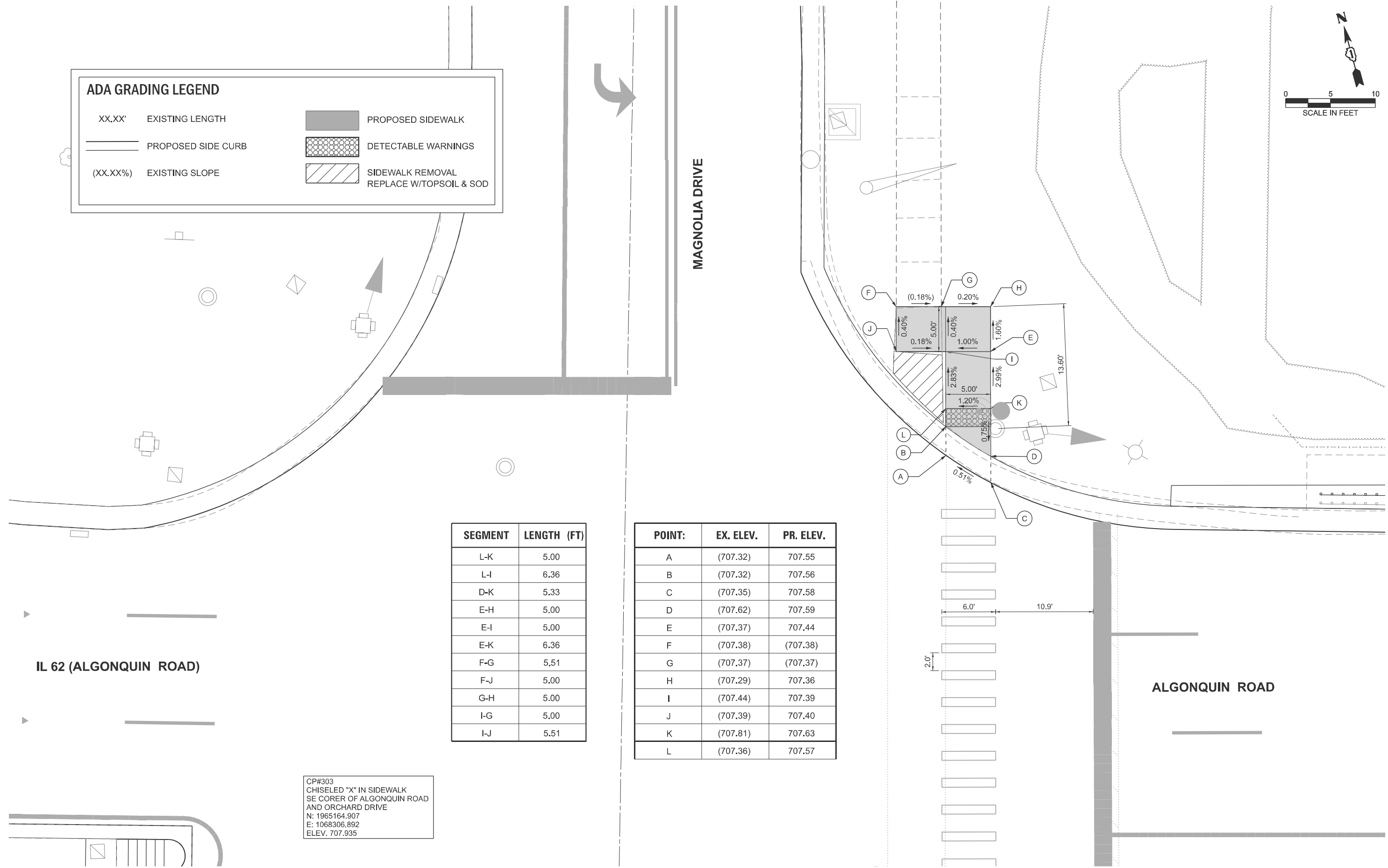
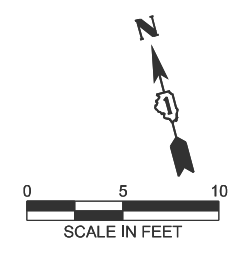
ADA RAMP DETAILS
ALGONQUIN ROAD AND ORCHARD DRIVE

SCALE: 1"=5' SHEET 3 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	33
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

ADA GRADING LEGEND

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



SEGMENT	LENGTH (FT)
L-K	5.00
L-I	6.36
D-K	5.33
E-H	5.00
E-I	5.00
E-K	6.36
F-G	5.51
F-J	5.00
G-H	5.00
I-G	5.00
I-J	5.51

POINT:	EX. ELEV.	PR. ELEV.
A	(707.32)	707.55
B	(707.32)	707.56
C	(707.35)	707.58
D	(707.62)	707.59
E	(707.37)	707.44
F	(707.38)	(707.38)
G	(707.37)	(707.37)
H	(707.29)	707.36
I	(707.44)	707.39
J	(707.39)	707.40
K	(707.81)	707.63
L	(707.36)	707.57

CP#303
 CHISELED "X" IN SIDEWALK
 SE CORER OF ALGONQUIN ROAD
 AND ORCHARD DRIVE
 N: 1965164.907
 E: 1068306.892
 ELEV. 707.935

IL 62 (ALGONQUIN ROAD)

ALGONQUIN ROAD

MAGNOLIA DRIVE



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
 ALGONQUIN ROAD AND ORCHARD DRIVE
 SCALE: 1"=5'
 SHEET 4 OF 10 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 34
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

ADA GRADING LEGEND

XX.XX' EXISTING LENGTH

PROPOSED SIDE CURB

(XX.XX%) EXISTING SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

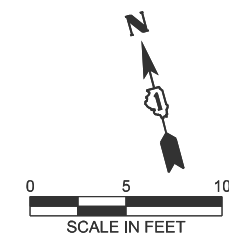
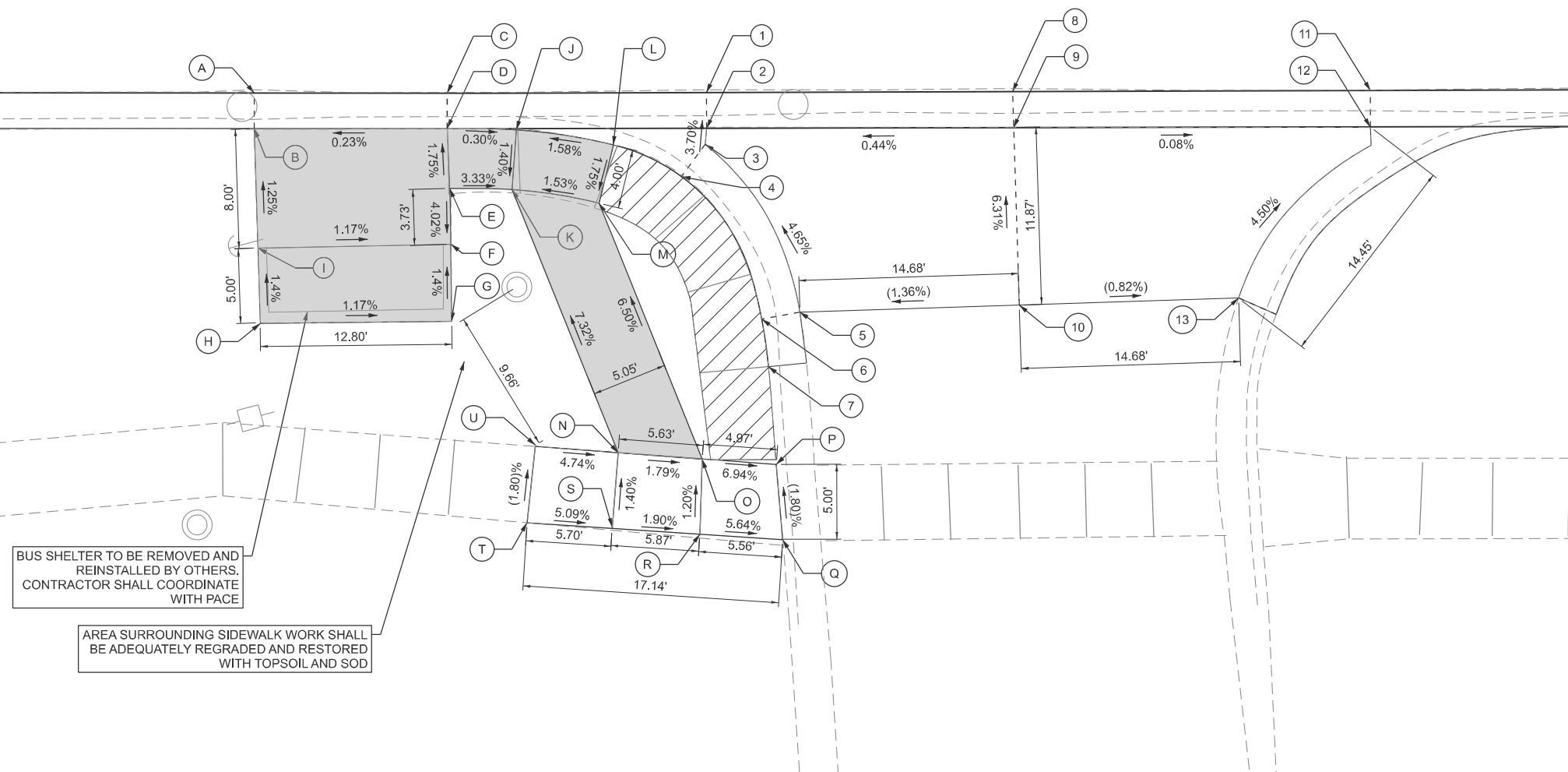
IL 62 (ALGONQUIN ROAD)

POINT:	EX. ELEV.	PR. ELEV.
A	(707.10)	707.33
B	(707.58)	707.75
C	(707.13)	707.36
D	(707.59)	707.78
E	(708.05)	707.85
F	(708.46)	707.70
G	(709.01)	707.77
H	(708.85)	707.92
I	(708.37)	707.85
J	(707.52)	707.77
K	(707.81)	707.71
L	(707.65)	707.87
M	(707.76)	707.80
N	(709.18)	709.10
O	(708.97)	709.00
P	(708.66)	(708.66)
Q	(708.75)	(708.75)
R	(709.06)	709.06
S	(709.25)	709.17
T	(709.46)	(709.46)
U	(709.37)	(709.37)

BM#D
TOP OF SW BOLT OF MAST ARM BASE
SE CORNER OF ALGONQUIN ROAD
AND ORCHARD DRIVE
N: 1965183.091
E: 1068311.346
ELEV. 709.130

POINT:	EX. ELEV.	PR. ELEV.
1	(707.09)	707.32
2	(707.24)	707.33
3	(707.16)	707.37
4	(707.79)	707.75
5	(707.97)	(707.97)
6	(708.42)	(708.42)
7	(708.61)	(708.61)
8	(707.18)	707.41
9	(707.34)	707.42
10	(708.17)	(708.17)
11	(707.16)	707.39
12	(707.35)	707.40
13	(708.05)	(708.05)

SEGMENT	LENGTH (FT)
2-3	1.08
E-K	4.20
D-J	4.61
J-L	6.60
K-M	5.90
K-N	18.98
M-O	18.47



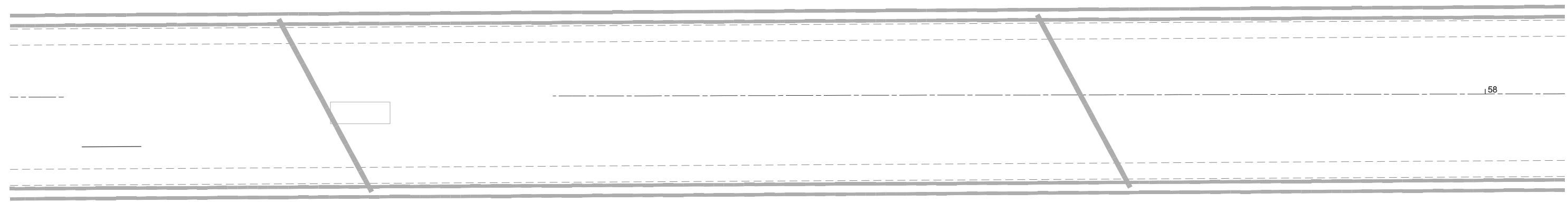
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PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
ALGONQUIN ROAD AND DRIVEWAY**

SCALE: 1"=5' SHEET 5 OF 10 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 35
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

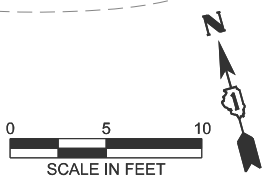
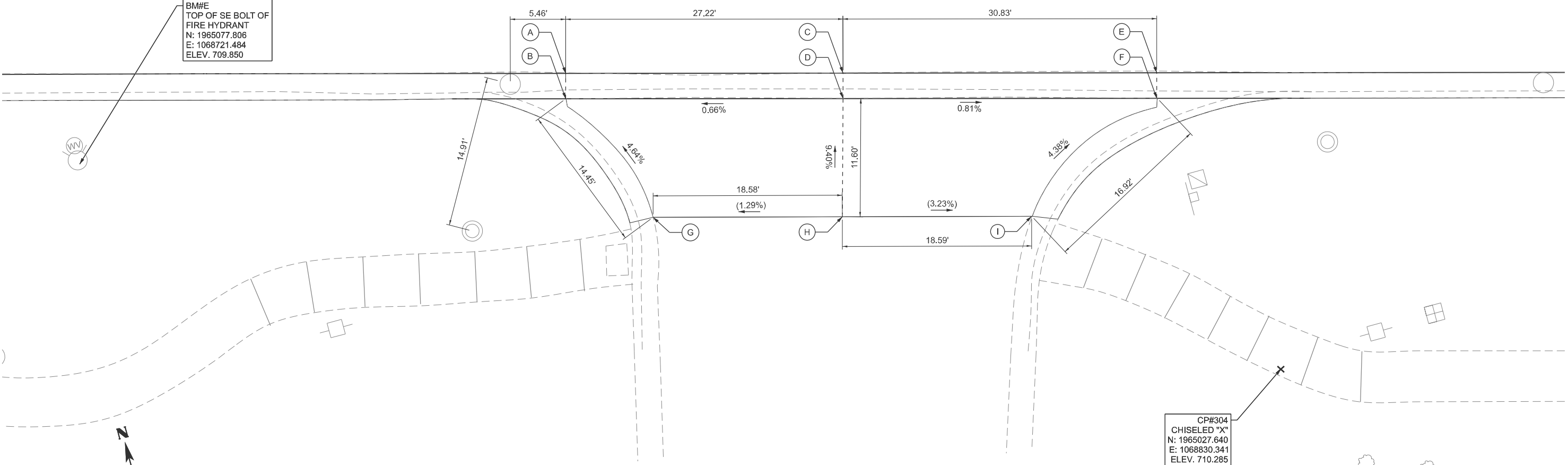


158

IL 62 (ALGONQUIN ROAD)

POINT:	EX. ELEV.	PR. ELEV.
A	(706.26)	706.49
B	(706.36)	706.50
C	(706.08)	706.31
D	(706.19)	706.32
E	(705.83)	706.06
F	(705.91)	706.07
G	(707.17)	(707.17)
H	(707.41)	(707.41)
I	(706.81)	(706.81)

BM#E
TOP OF SE BOLT OF
FIRE HYDRANT
N: 1965077.806
E: 1068721.484
ELEV. 709.850



CP#304
CHISELED "X"
N: 1965027.640
E: 1068830.341
ELEV. 710.285



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

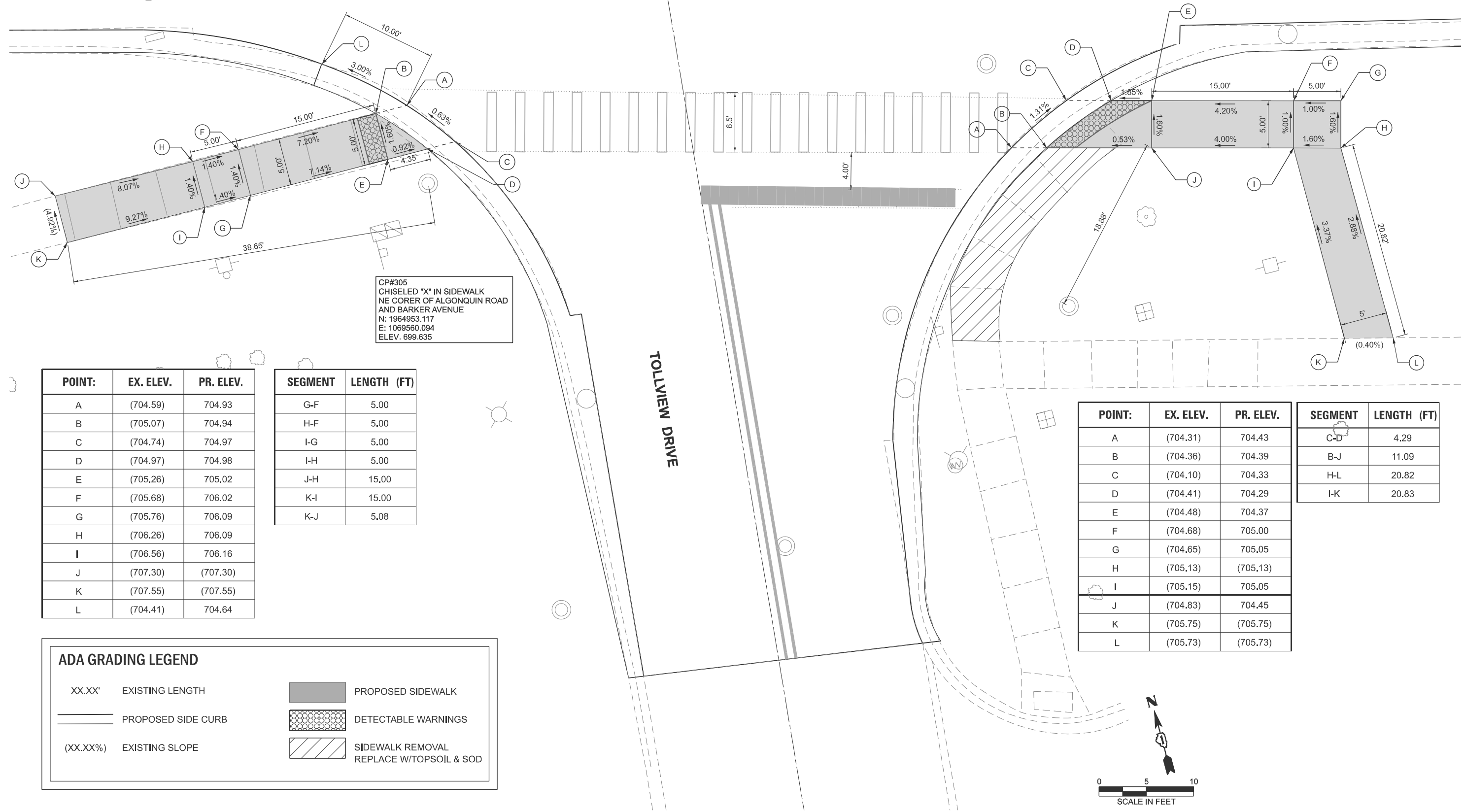
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
ALGONQUIN ROAD AND DRIVEWAY

SCALE: 1"=5' SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	36
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

IL 62 (ALGONQUIN ROAD)



CP#305
CHISELED "X" IN SIDEWALK
NE CORNER OF ALGONQUIN ROAD
AND BARKER AVENUE
N: 1964953.117
E: 1069560.094
ELEV. 699.635

POINT:	EX. ELEV.	PR. ELEV.
A	(704.59)	704.93
B	(705.07)	704.94
C	(704.74)	704.97
D	(704.97)	704.98
E	(705.26)	705.02
F	(705.68)	706.02
G	(705.76)	706.09
H	(706.26)	706.09
I	(706.56)	706.16
J	(707.30)	(707.30)
K	(707.55)	(707.55)
L	(704.41)	704.64

SEGMENT	LENGTH (FT)
G-F	5.00
H-F	5.00
I-G	5.00
I-H	5.00
J-H	15.00
K-I	15.00
K-J	5.08

POINT:	EX. ELEV.	PR. ELEV.
A	(704.31)	704.43
B	(704.36)	704.39
C	(704.10)	704.33
D	(704.41)	704.29
E	(704.48)	704.37
F	(704.68)	705.00
G	(704.65)	705.05
H	(705.13)	(705.13)
I	(705.15)	705.05
J	(704.83)	704.45
K	(705.75)	(705.75)
L	(705.73)	(705.73)

SEGMENT	LENGTH (FT)
C-D	4.29
B-J	11.09
H-L	20.82
I-K	20.83

ADA GRADING LEGEND

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



USER NAME =
DESIGNED - LRY
DRAWN - DRP
CHECKED - JWB
PLOT DATE = 3/23/2026

REVISIED -
REVISIED -
REVISIED -
DATE - 3/23/2026

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

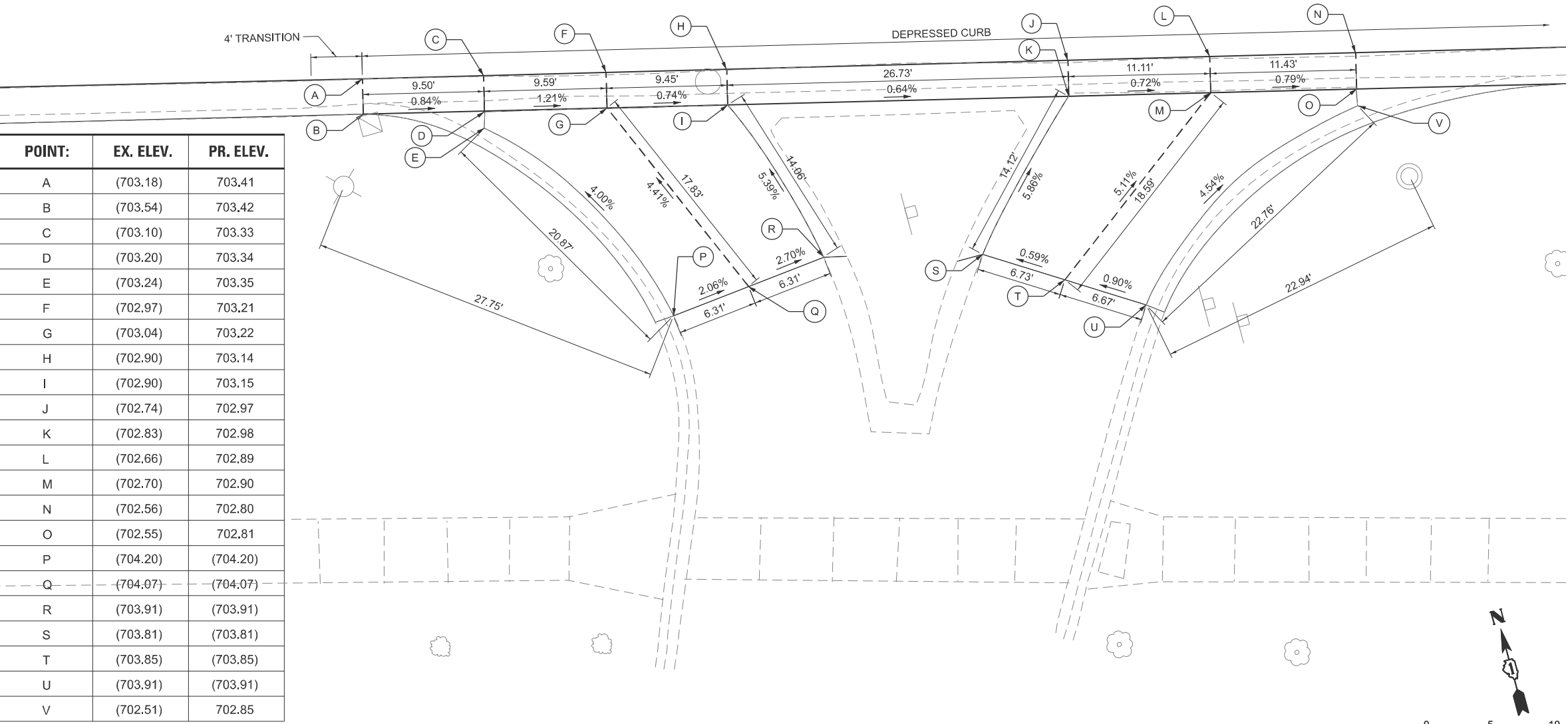
ADA RAMP DETAILS
ALGONQUIN ROAD AND TOLLVIEW DRIVE

SCALE: 1"=5' SHEET 7 OF 10 SHEETS STA. TO STA.

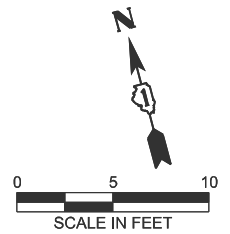
F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 37
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

CP#305
 CHISELED "X" IN SIDEWALK
 NE CORNER OF ALGONQUIN ROAD
 AND BARKER AVENUE
 N: 1964953.117
 E: 1069560.094
 ELEV. 699.635

IL 62 (ALGONQUIN ROAD)



POINT:	EX. ELEV.	PR. ELEV.
A	(703.18)	703.41
B	(703.54)	703.42
C	(703.10)	703.33
D	(703.20)	703.34
E	(703.24)	703.35
F	(702.97)	703.21
G	(703.04)	703.22
H	(702.90)	703.14
I	(702.90)	703.15
J	(702.74)	702.97
K	(702.83)	702.98
L	(702.66)	702.89
M	(702.70)	702.90
N	(702.56)	702.80
O	(702.55)	702.81
P	(704.20)	(704.20)
Q	(704.07)	(704.07)
R	(703.91)	(703.91)
S	(703.81)	(703.81)
T	(703.85)	(703.85)
U	(703.91)	(703.91)
V	(702.51)	702.85



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
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PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

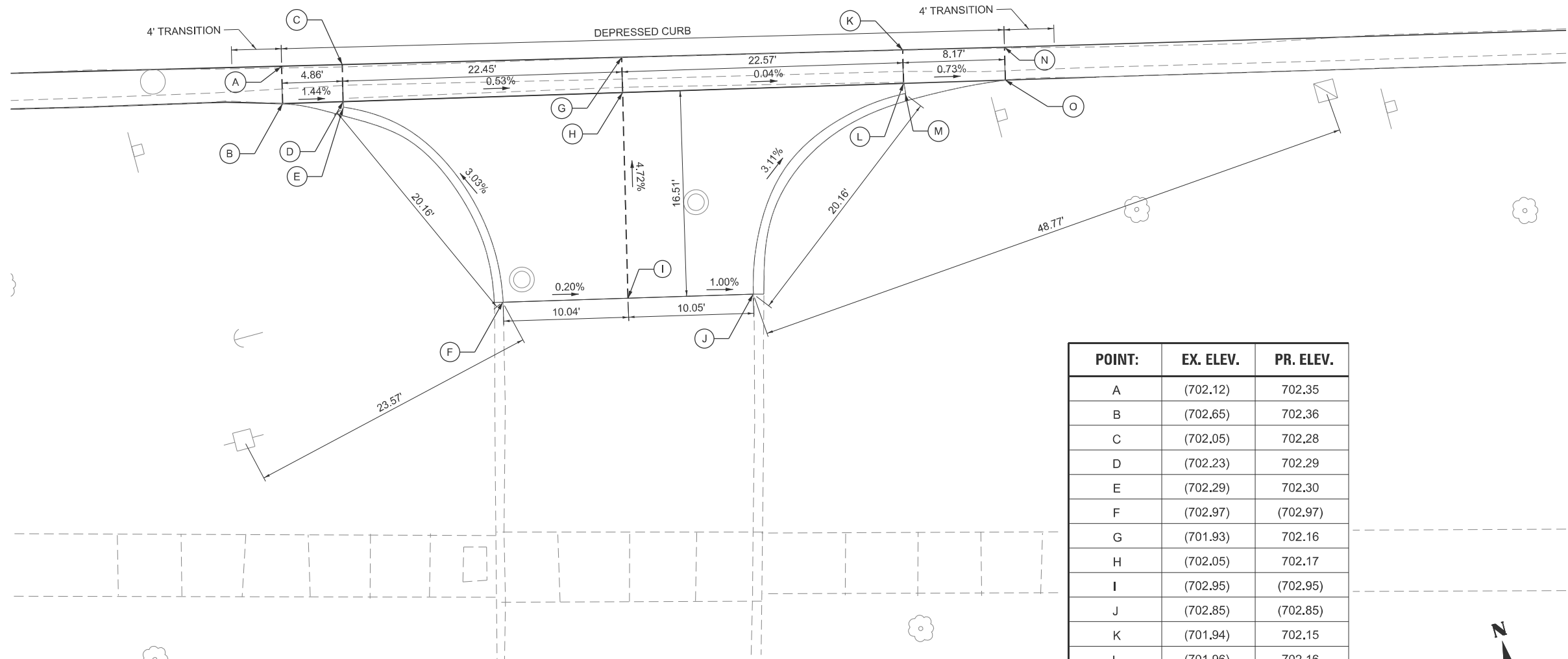
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
 ALGONQUIN ROAD AND DRIVEWAY
 SCALE: 1"=5'
 SHEET 8 OF 10 SHEETS STA. TO STA.

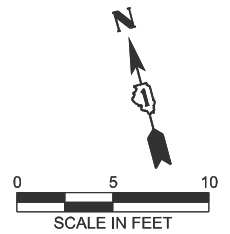
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	38
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

CP#305
 CHISELED "X" IN SIDEWALK
 NE CORNER OF ALGONQUIN ROAD
 AND BARKER AVENUE
 N: 1964953.117
 E: 1069560.094
 ELEV. 699.635

IL 62 (ALGONQUIN ROAD)



POINT:	EX. ELEV.	PR. ELEV.
A	(702.12)	702.35
B	(702.65)	702.36
C	(702.05)	702.28
D	(702.23)	702.29
E	(702.29)	702.30
F	(702.97)	(702.97)
G	(701.93)	702.16
H	(702.05)	702.17
I	(702.95)	(702.95)
J	(702.85)	(702.85)
K	(701.94)	702.15
L	(701.96)	702.16
M	(701.86)	702.16
N	(701.86)	702.09
O	(702.14)	702.10



USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
	CHECKED - JWB	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
 ALGONQUIN ROAD AND DRIVEWAY

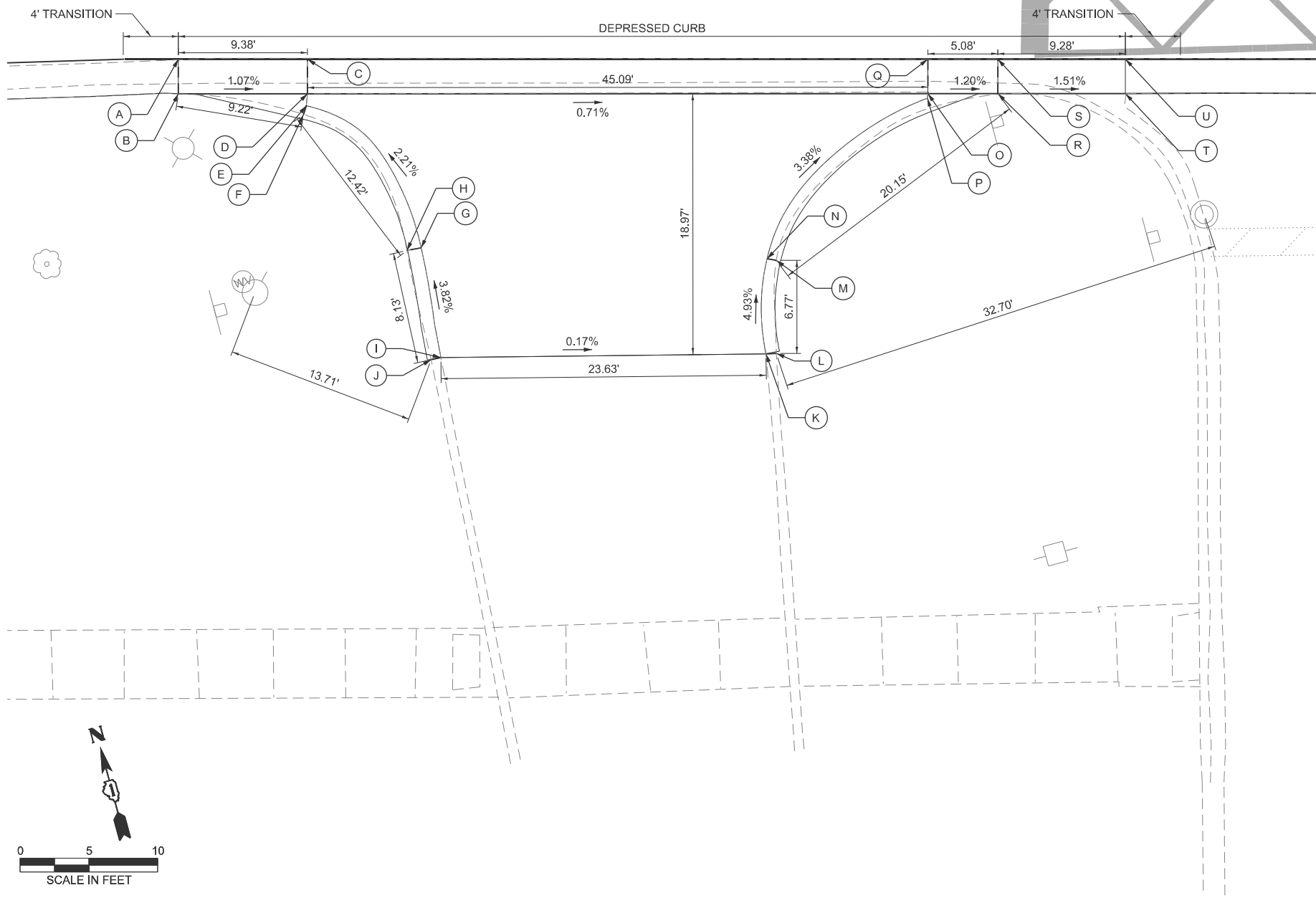
SCALE: 1"=5' SHEET 9 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	39
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

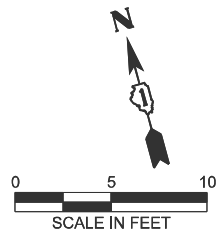
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CP#305
 CHISELED "X" IN SIDEWALK
 NE CORNER OF ALGONQUIN ROAD
 AND BARKER AVENUE
 N: 1964953.117
 E: 1069560.094
 ELEV. 699.635

IL 62 (ALGONQUIN ROAD)



POINT:	EX. ELEV.	PR. ELEV.
A	(700.91)	701.14
B	(701.39)	701.15
C	(700.81)	701.04
D	(700.93)	701.05
E	(700.93)	701.06
F	(701.40)	701.35
G	(701.36)	701.37
H	(701.74)	701.81
I	(701.68)	(701.68)
J	(702.15)	(702.15)
K	(701.64)	(701.64)
L	(702.06)	(702.06)
M	(701.79)	701.74
N	(701.30)	701.30
O	(700.55)	700.73
P	(700.59)	700.74
Q	(700.50)	700.72
R	(700.84)	700.67
S	(700.43)	700.66
T	(700.25)	700.53
U	(700.30)	700.52



V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 830 724 9200 phone
 www.v3co.com

USER NAME =	DESIGNED - LRY	REVISED -
	DRAWN - DRP	REVISED -
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PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
 ALGONQUIN ROAD AND DRIVEWAY

SCALE: 1"=5' SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	40
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

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

TS SHT NO. 1

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

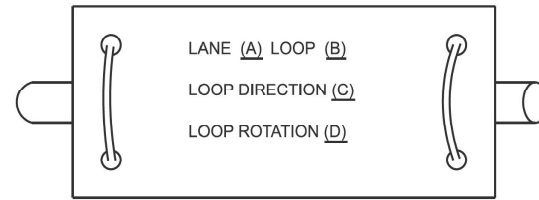
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

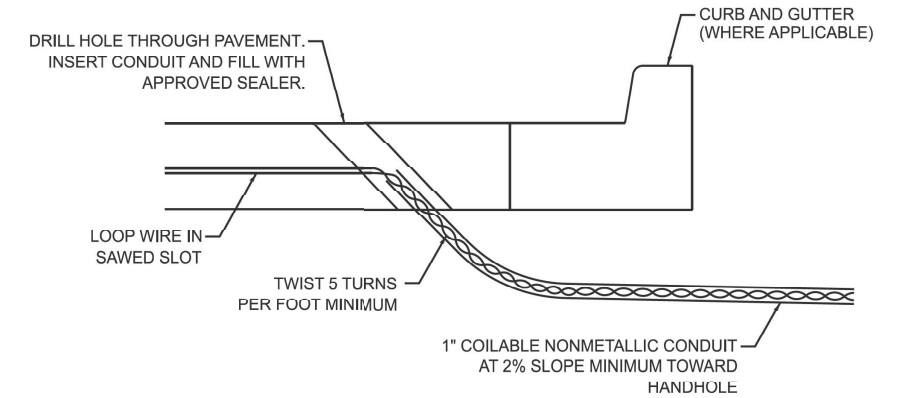
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	41
TS-01		CONTRACT NO. 80B28		
ILLINOIS FED. AID PROJECT				

DETECTOR LOOP NOTES:

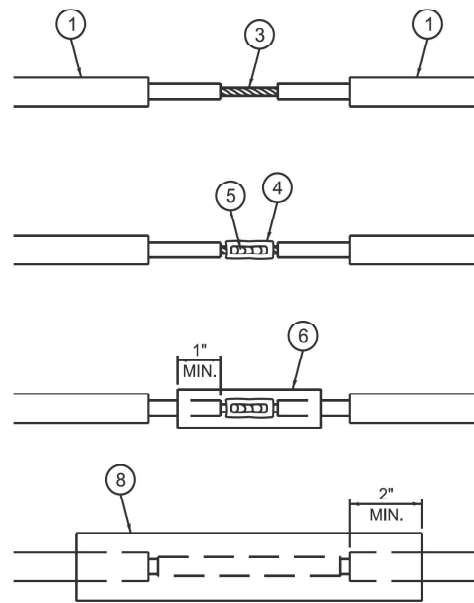
1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE 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.



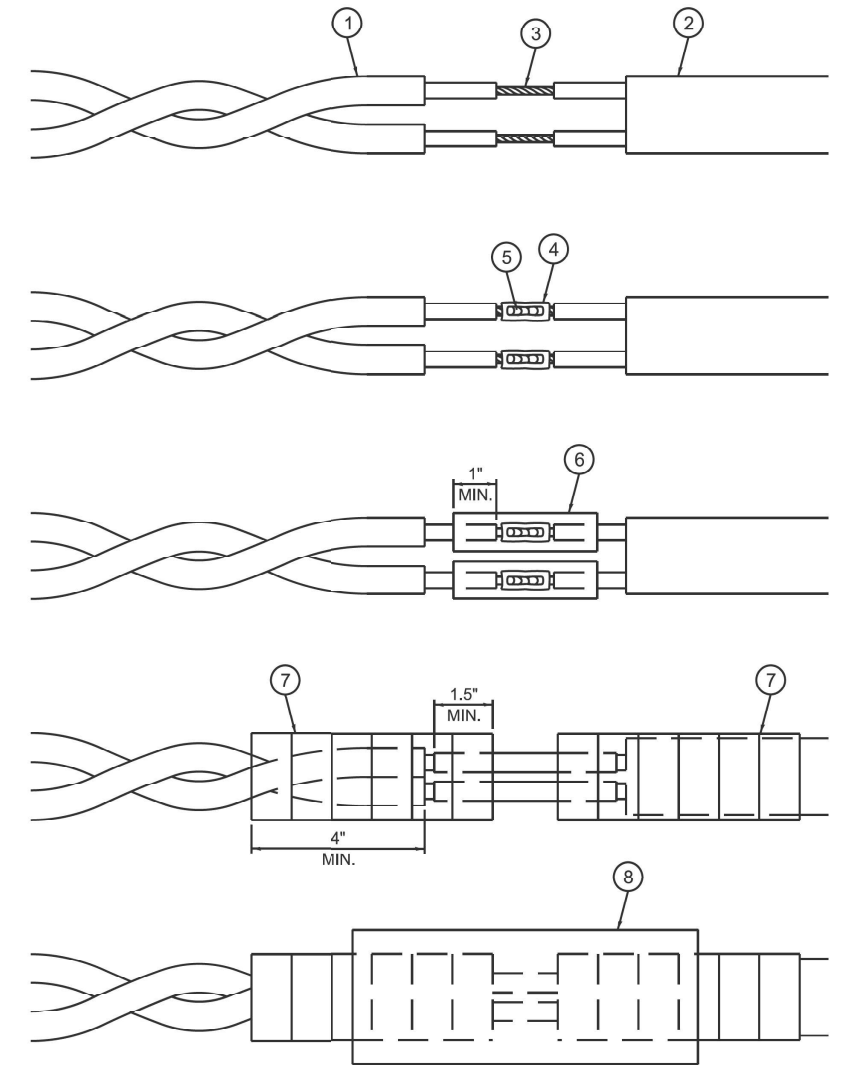
DETECTOR LOOP LEAD-IN CABLE TAG



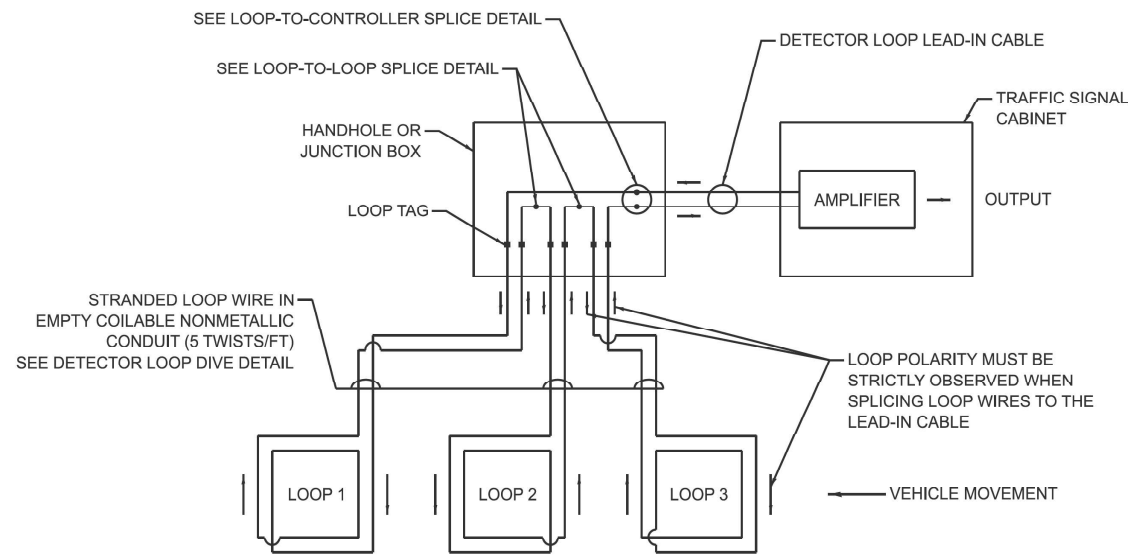
LOOP-TO-LOOP SPLICE DETAIL

- 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

TS SHT NO. 2

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	DRAWN - IP	REVISED -
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PLOT DATE = 12/16/2025	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

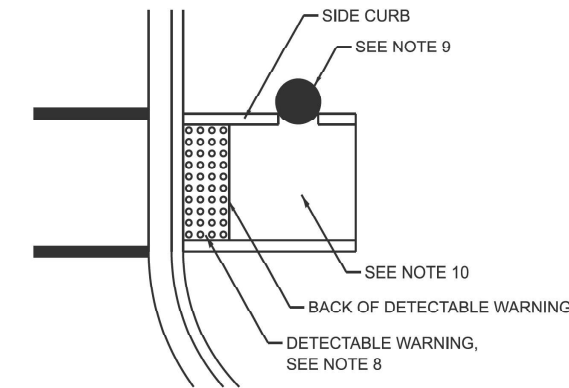
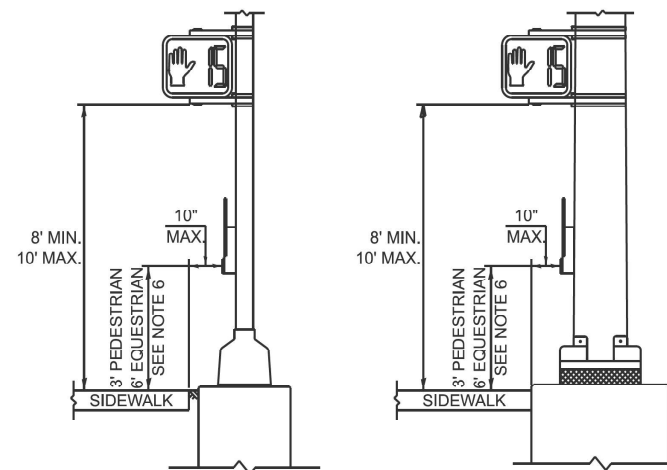
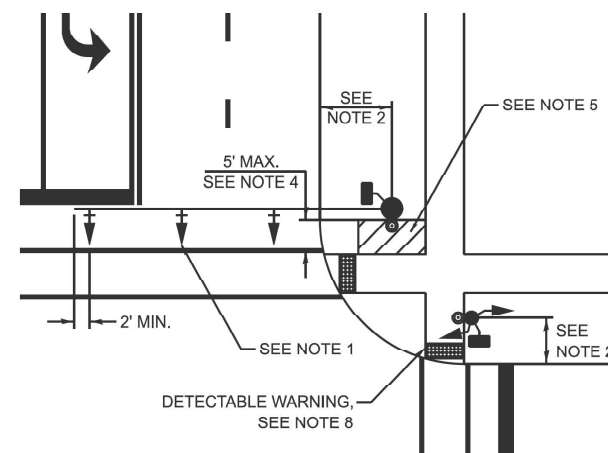
SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	42
TS-01			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				

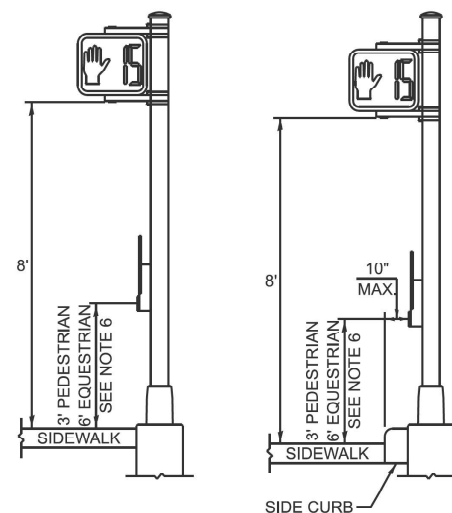
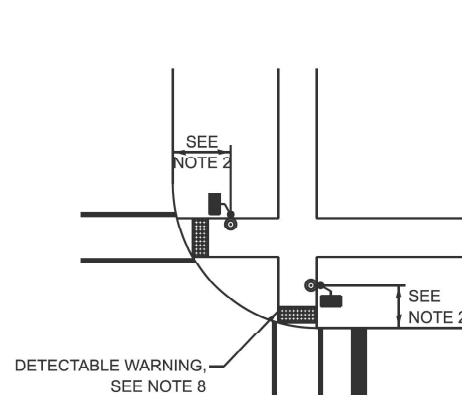
NOTES:

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.

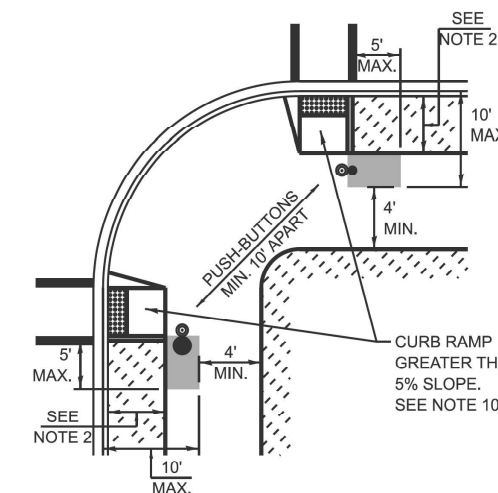
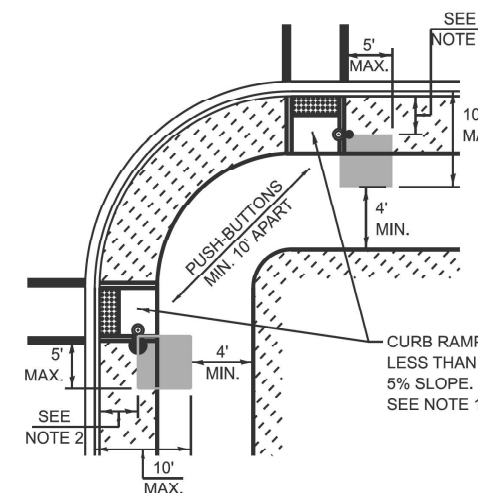
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



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.

TS SHT NO. 3

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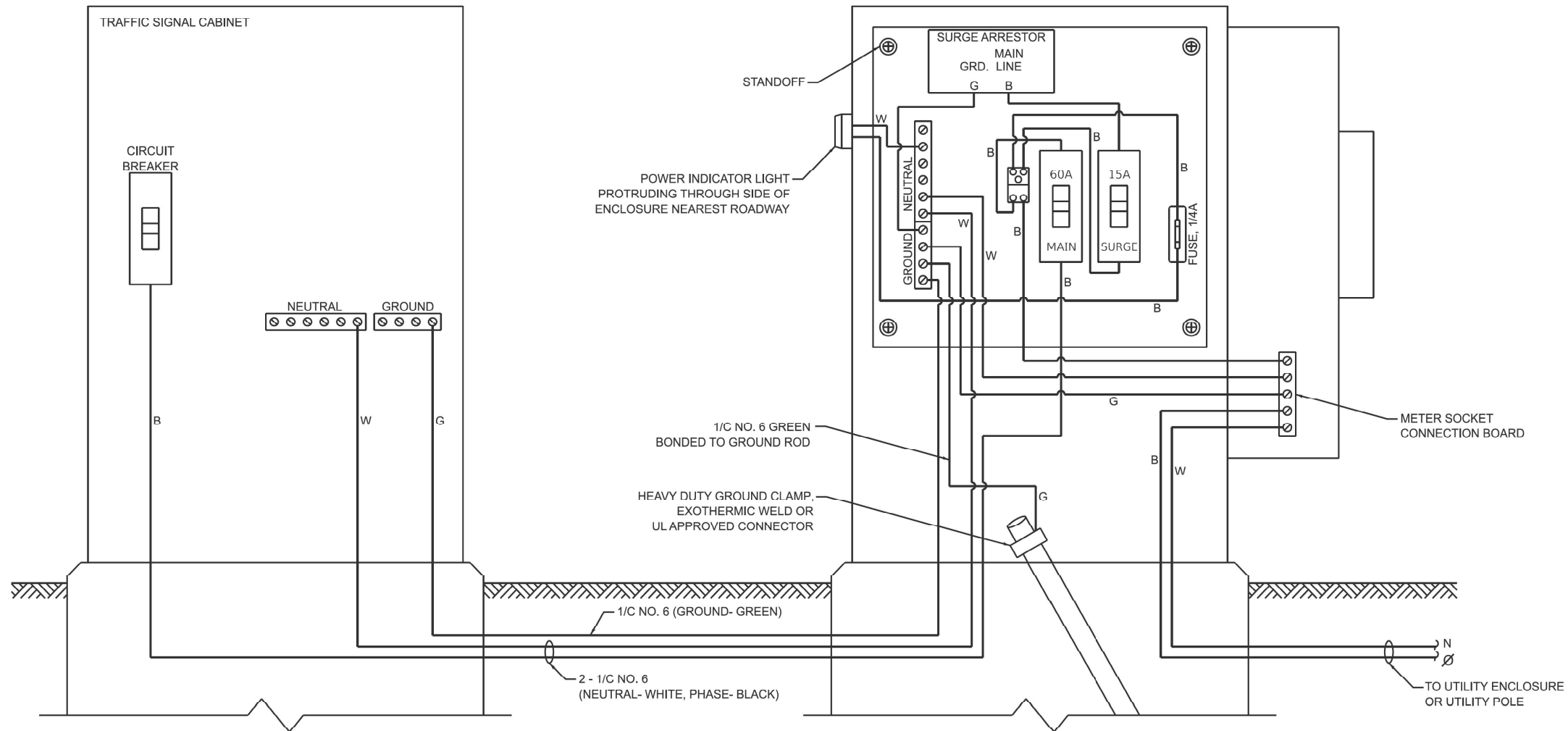
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	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

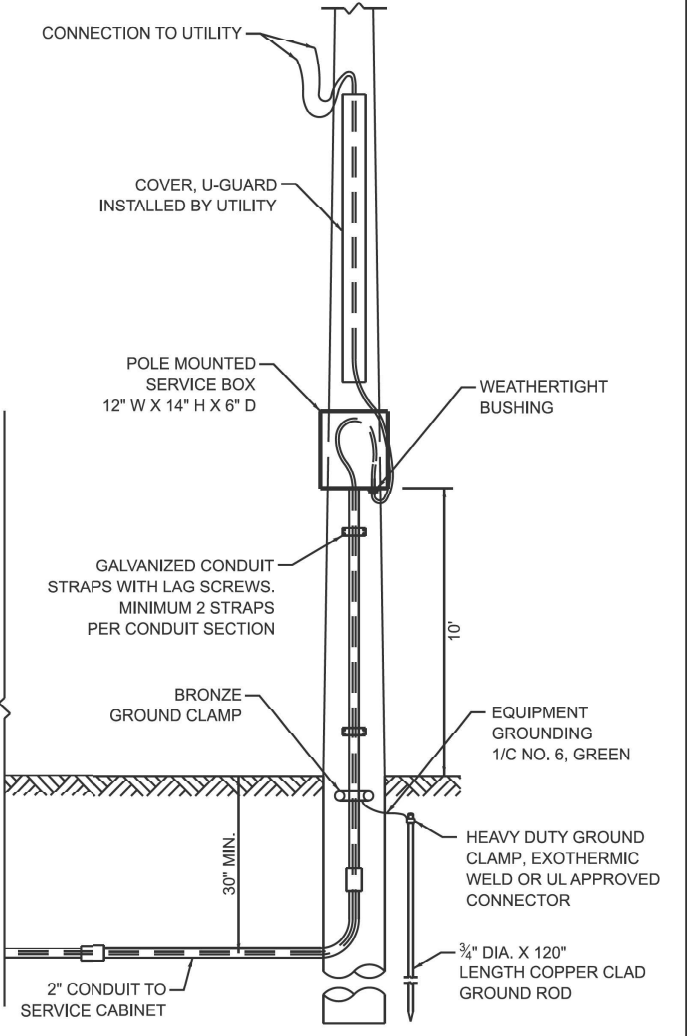
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	43
TS-01			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				



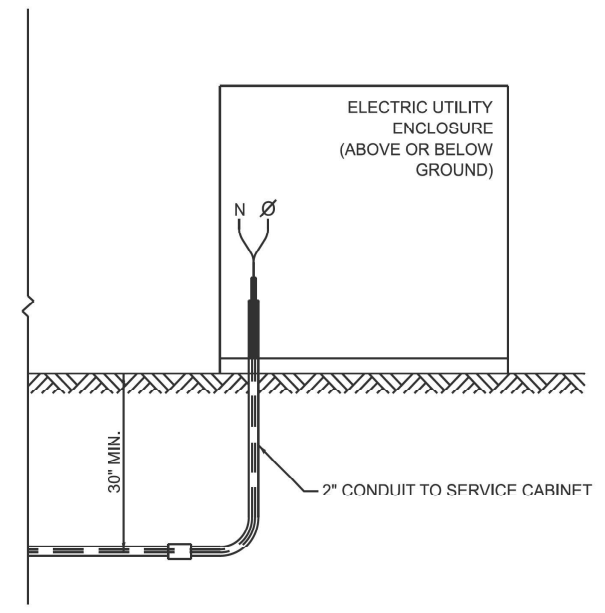
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

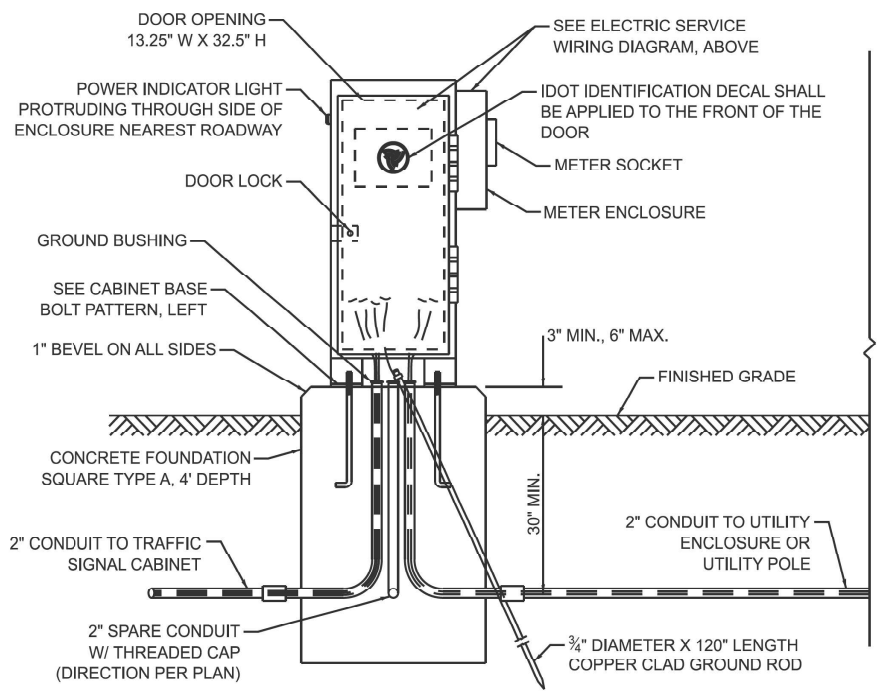
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3.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



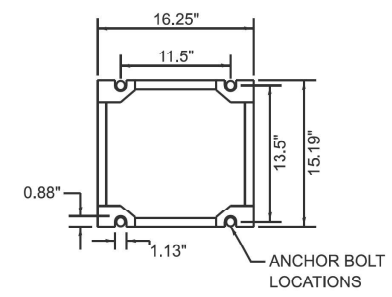
CONNECTION TO UTILITY POLE



CONNECTION TO UTILITY ENCLOSURE



SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CABINET BASE BOLT PATTERN

TS SHT NO. 4

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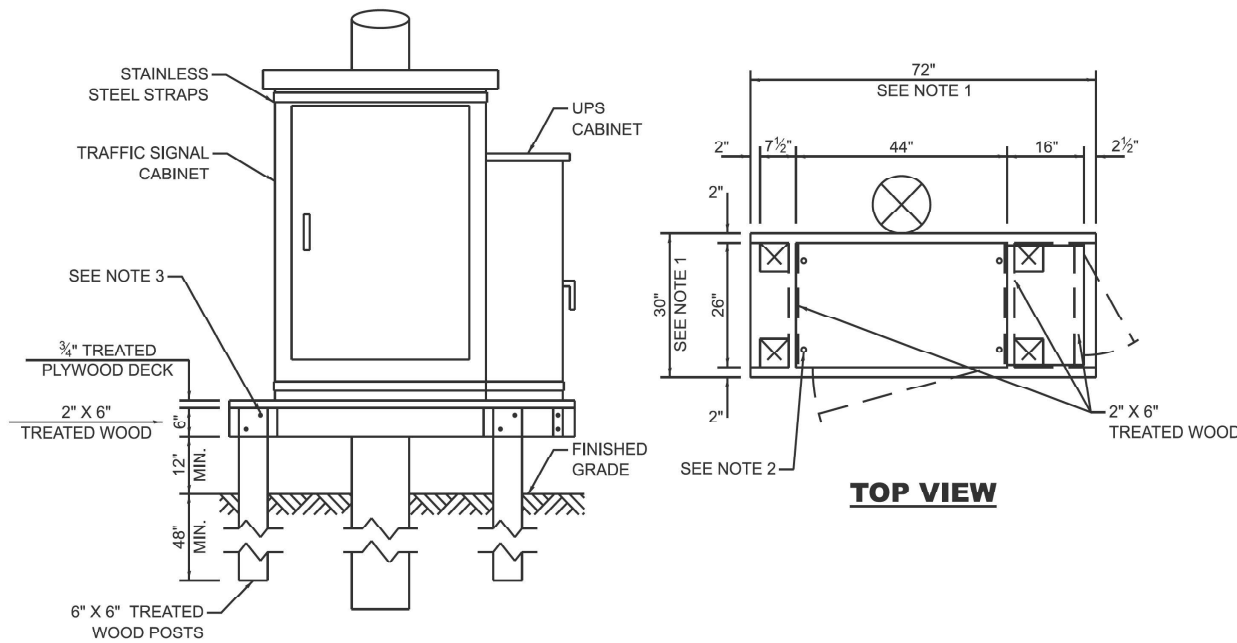
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	44
TS-01			CONTRACT NO. 80B28	
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 UNINTERRUPTIBLE 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.

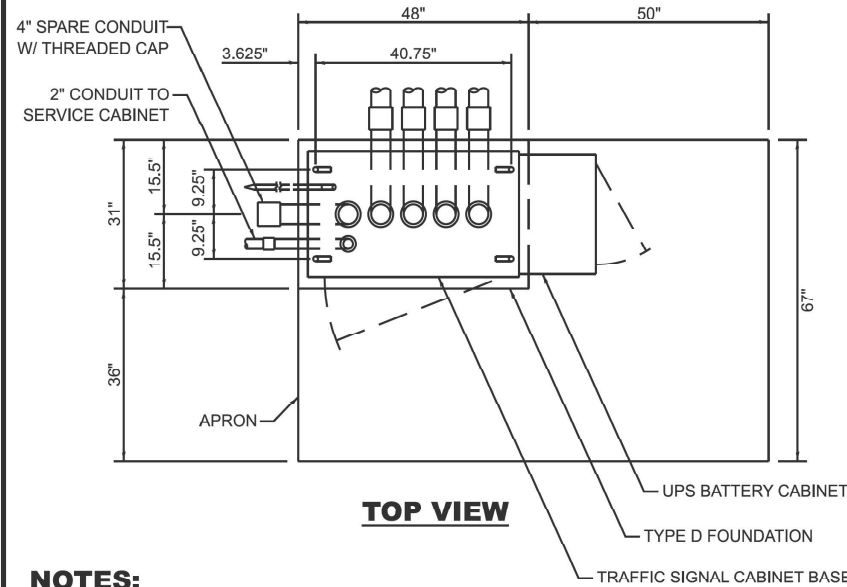
TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM

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

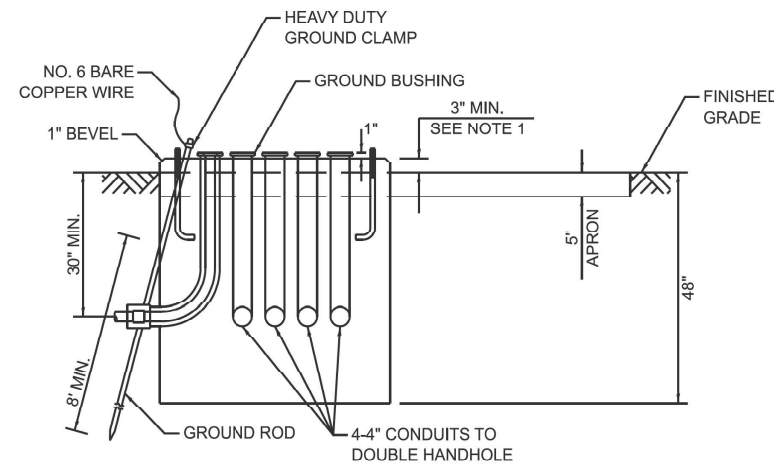
TYPE E FOUNDATION NOTES:

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.

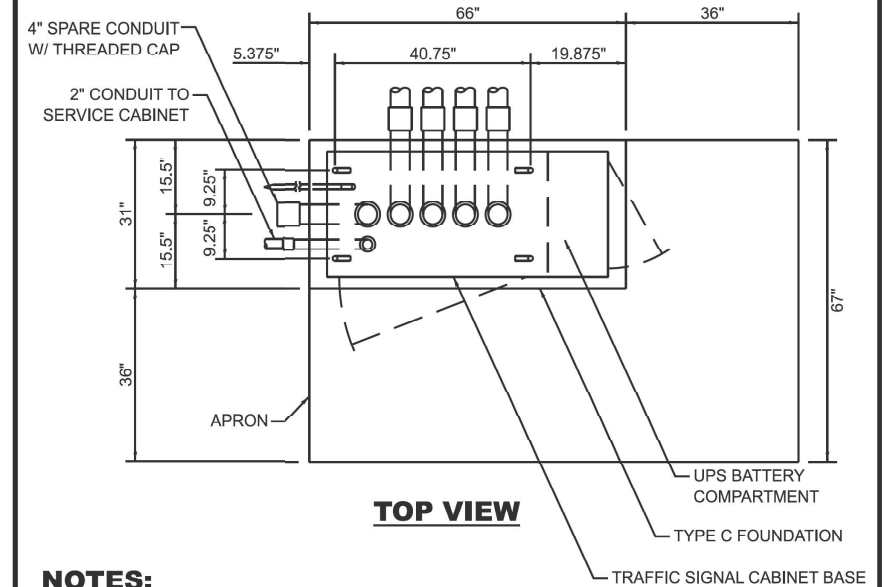


NOTES:

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

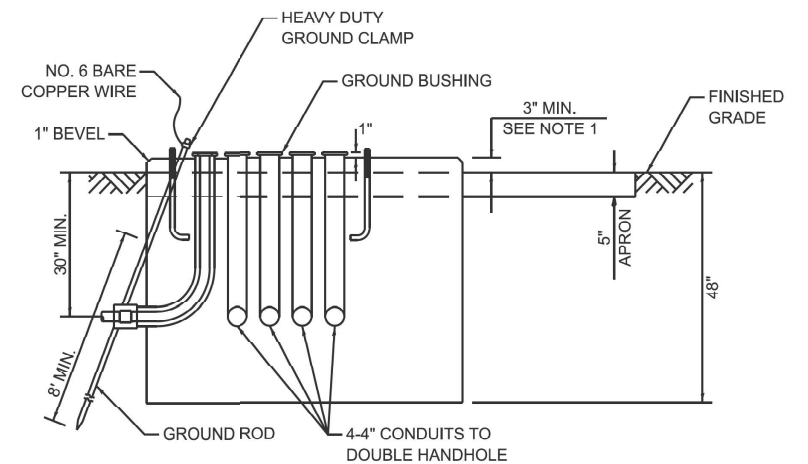


TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET



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

TS SHT NO. 5

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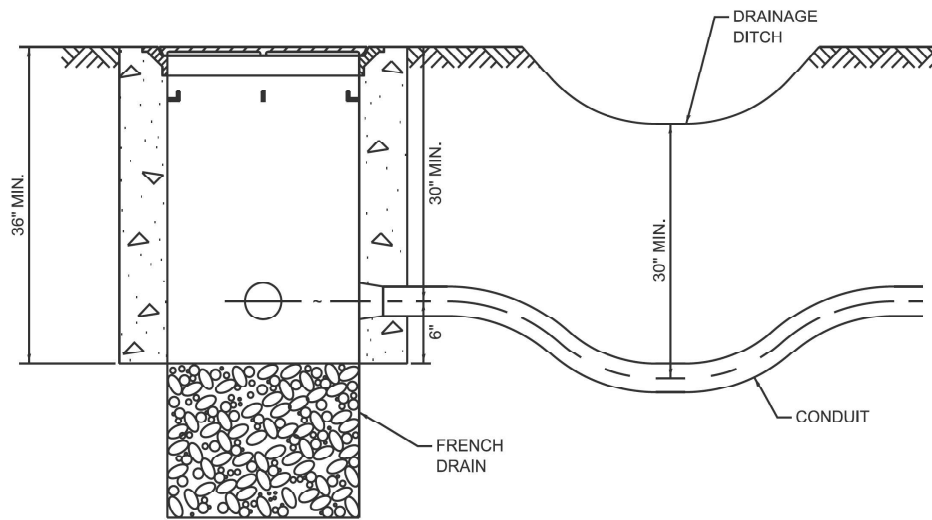
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

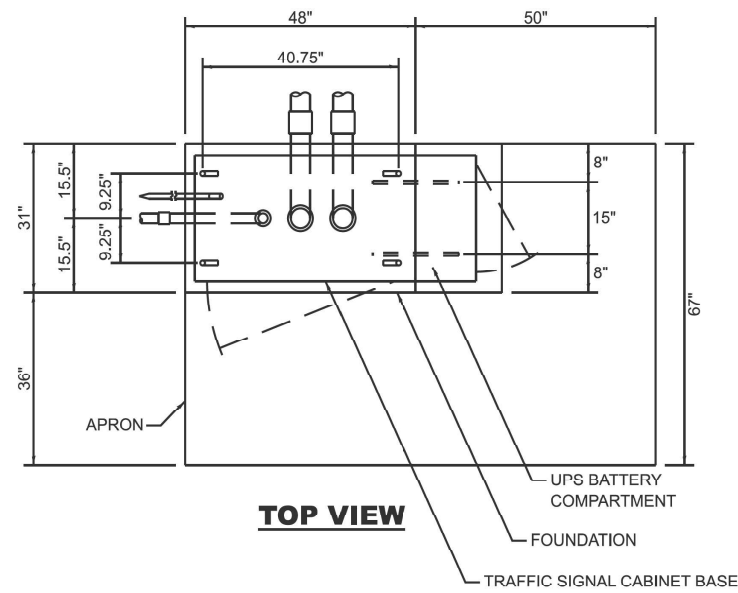
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		COOK	71	45
TS-01			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				



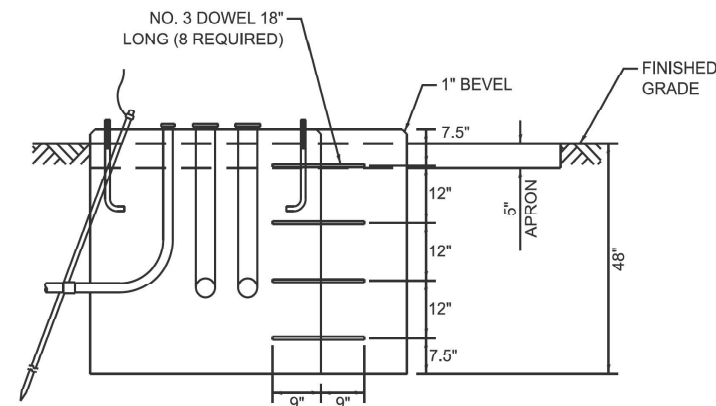
NOTES:

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.

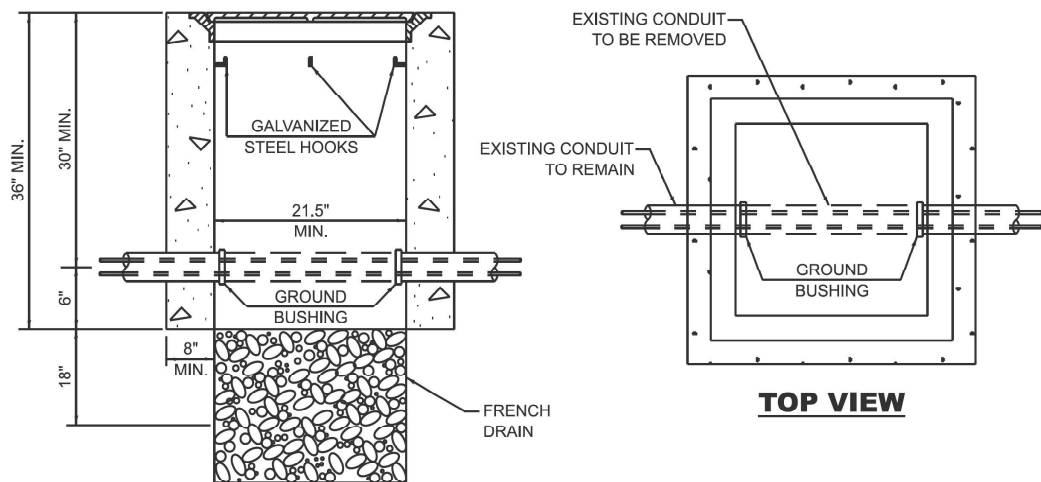
HANDHOLE WITH MINIMUM CONDUIT DEPTH



TOP VIEW



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

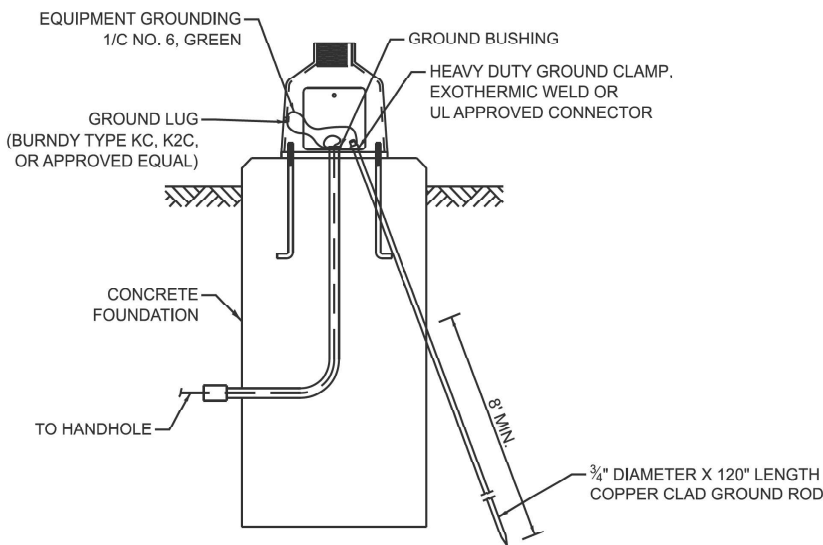


TOP VIEW

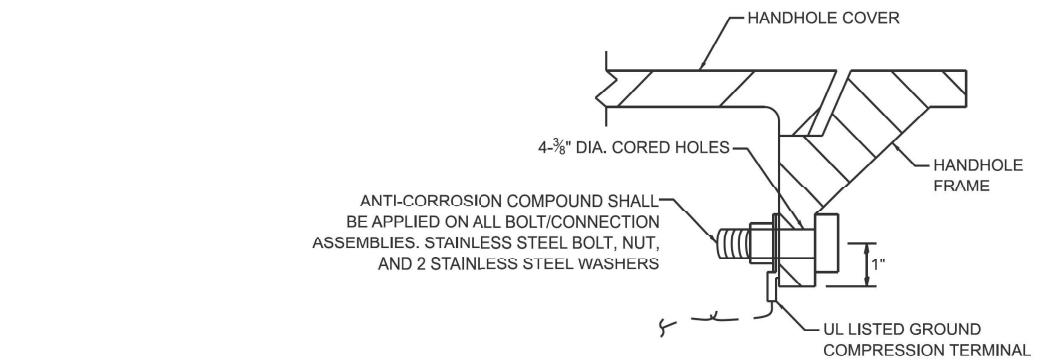
NOTES:

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.

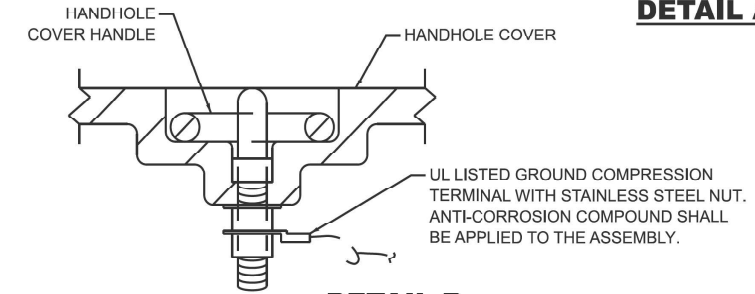
HANDHOLE TO INTERCEPT EXISTING CONDUIT



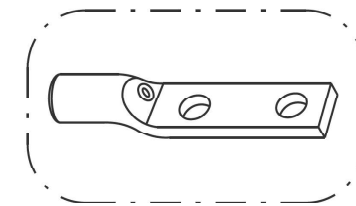
MAST ARM / POST GROUNDING DETAIL



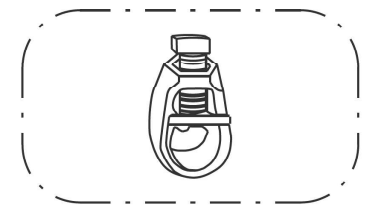
DETAIL A



DETAIL B



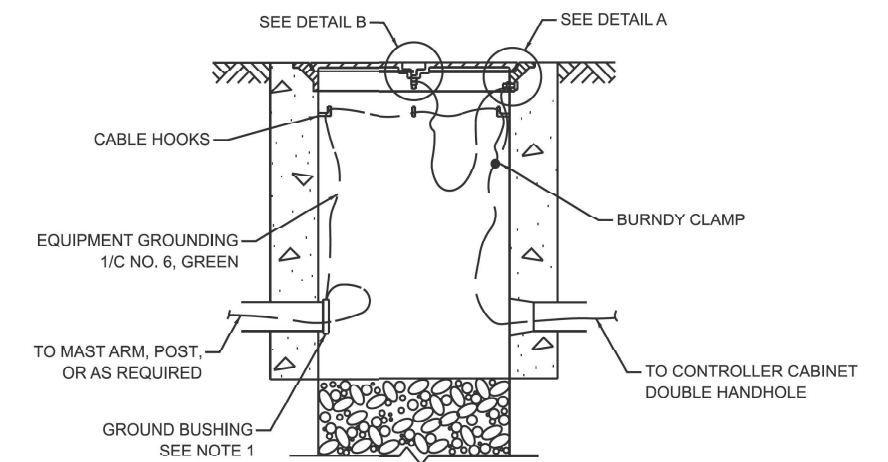
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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 GROUNDED.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



HANDHOLE GROUNDING DETAIL

TS SHT NO. 6

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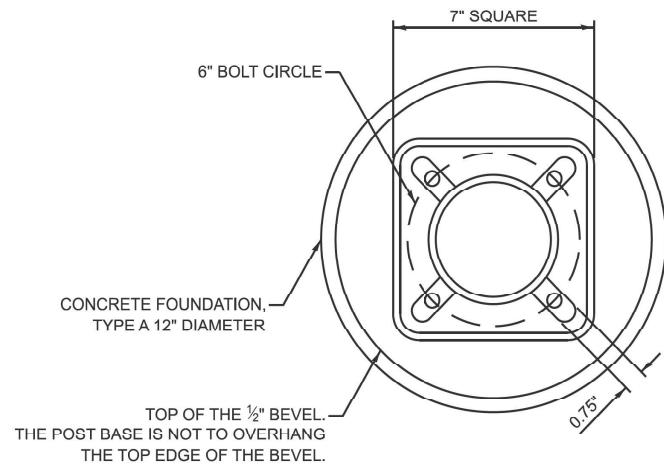
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

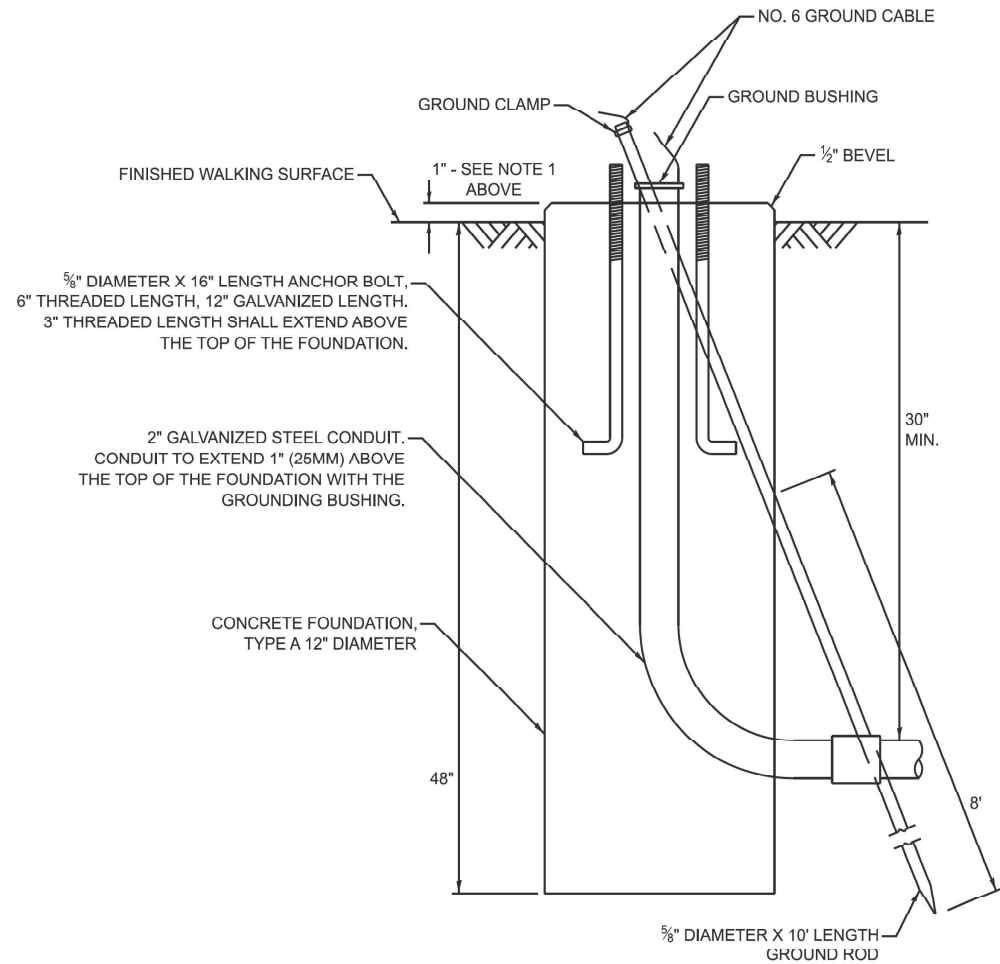
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	46
TS-01			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				



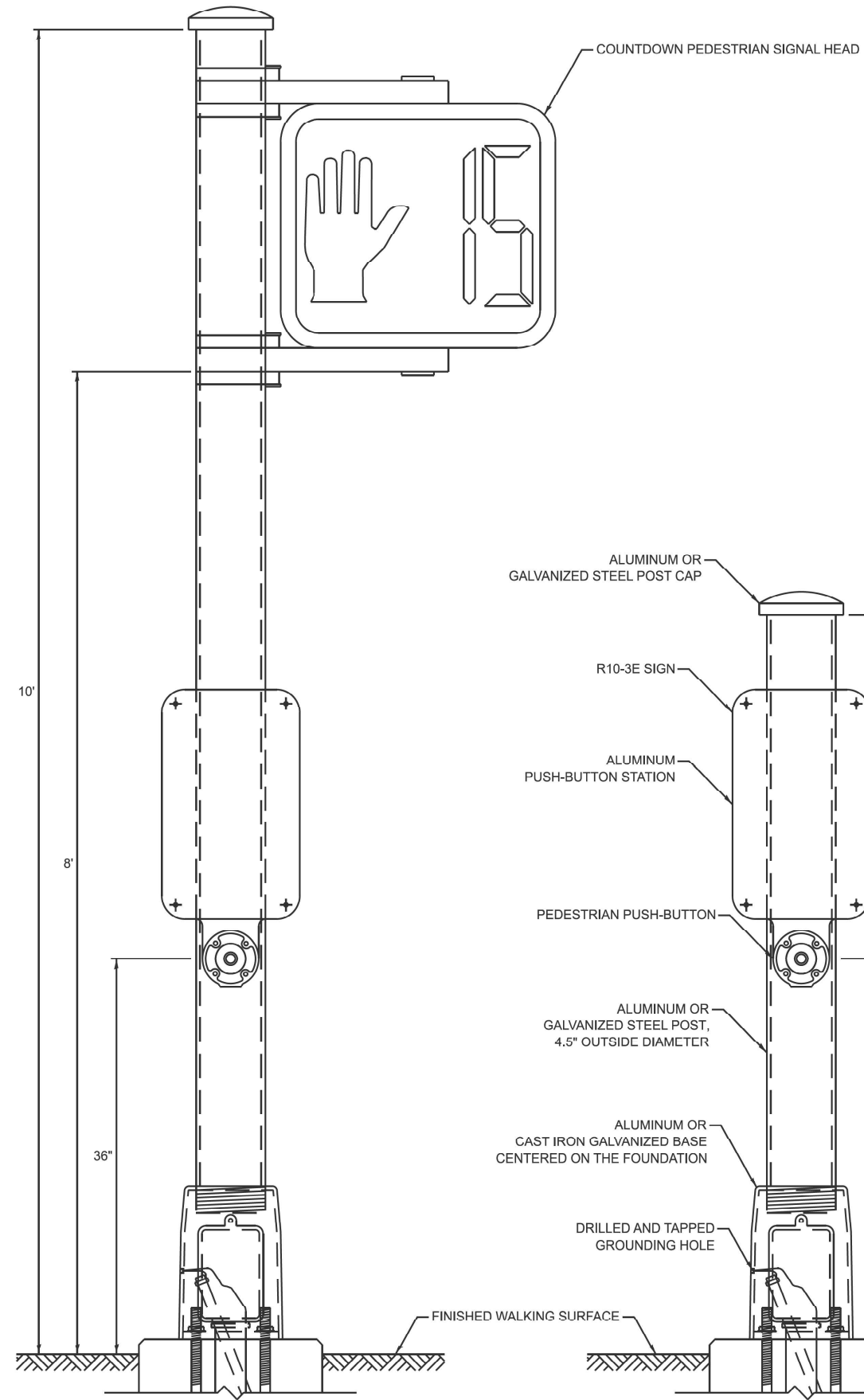
BOLT PATTERN

NOTES:

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

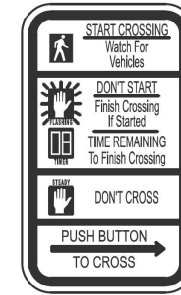


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3E
9" X 15"



W10-1101
18" X 24"

SIGN NOTES:

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

TS SHT NO. 7

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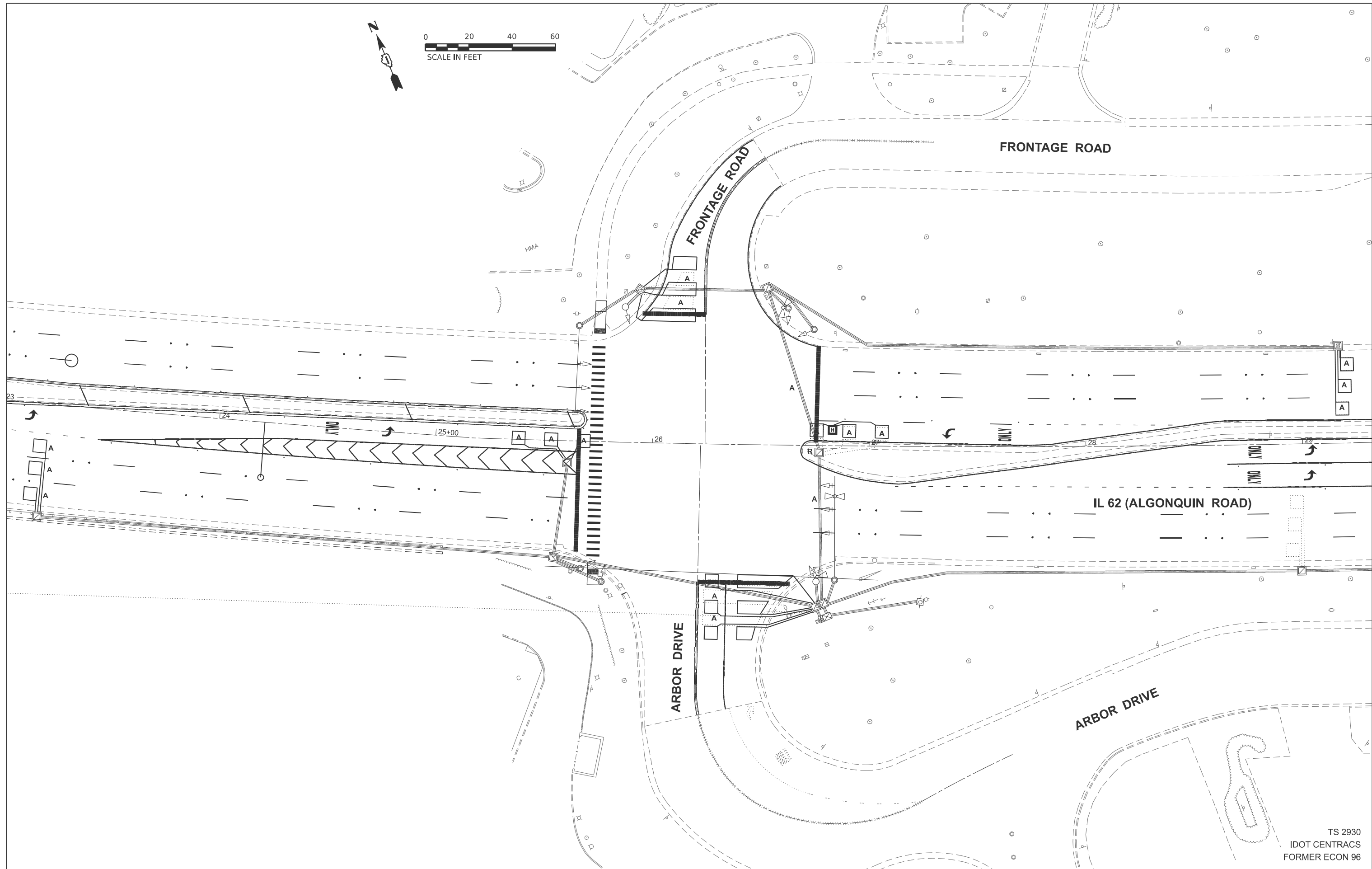
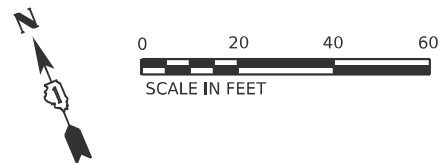
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	47
TS-01			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				



TS SHT NO. 8

TS 2930
IDOT CENTRACS
FORMER ECON 96



USER NAME =	DESIGNED - SSA	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

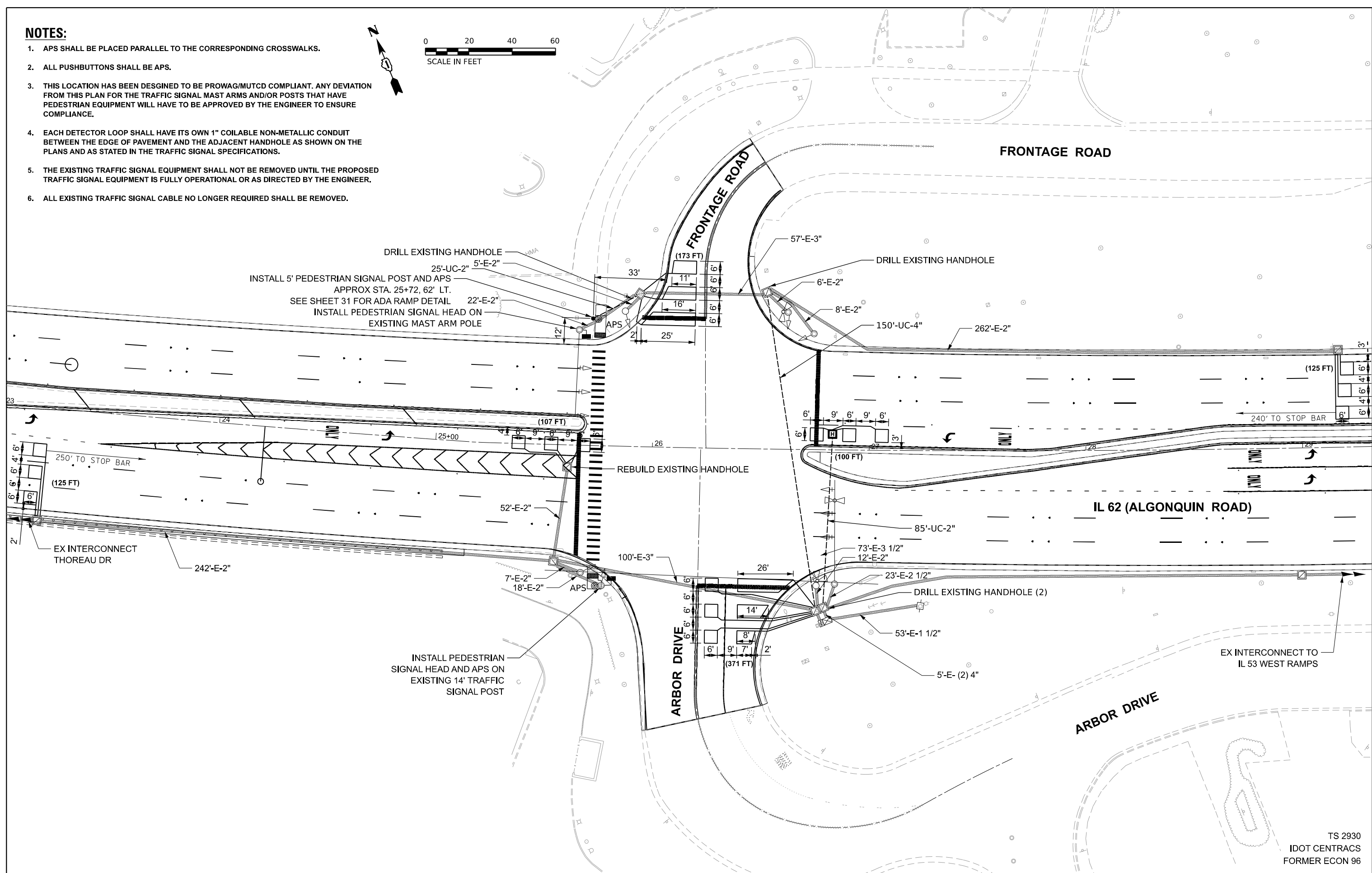
TRAFFIC SIGNAL REMOVAL PLAN
IL 62 (ALGONQUIN ROAD) AT FRONTAGE ROAD AND ARBOR DRIVE

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 48
CONTRACT NO. 80B28			ILLINOIS FED. AID PROJECT	

NOTES:

1. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALKS.
2. ALL PUSHBUTTONS SHALL BE APS.
3. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.
4. 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.
5. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
6. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.



TS SHT NO. 9

TS 2930
IDOT CENTRACS
FORMER ECON 96



USER NAME =	DESIGNED - SSA	REVISED -
	DRAWN - SSA	REVISED -
	CHECKED - GJG	REVISED -
PLOT DATE = 5/5/2026	DATE - 5/5/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL 62 (ALGONQUIN ROAD) AT FRONTAGE ROAD AND ARBOR DRIVE

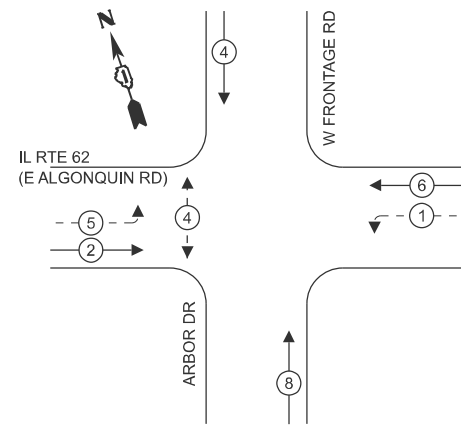
SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 49
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	110
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	150
HEAVY DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	FOOT	45
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	433
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	444
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,121
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	528
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	1,699
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	1,001
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,376
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	201
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A, 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

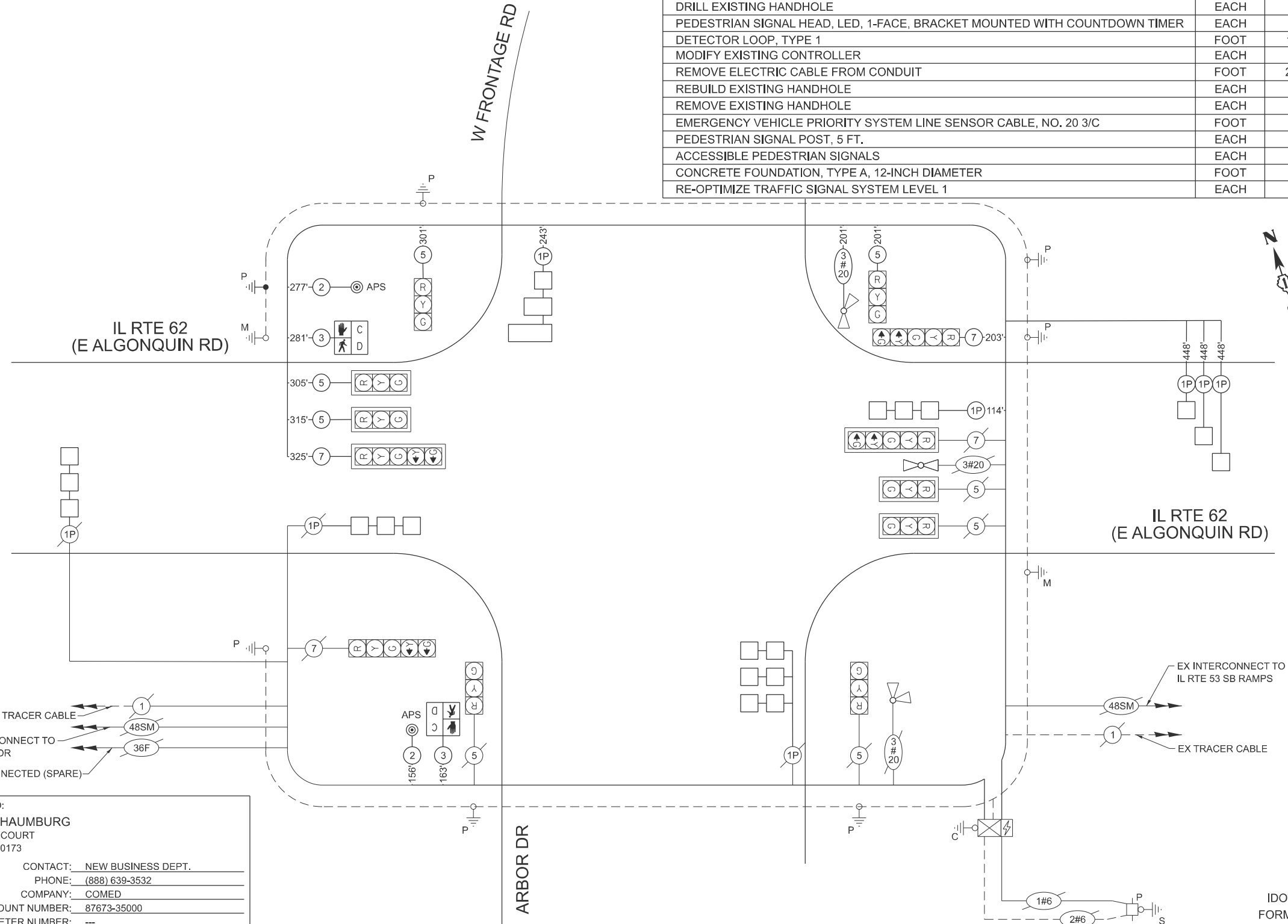
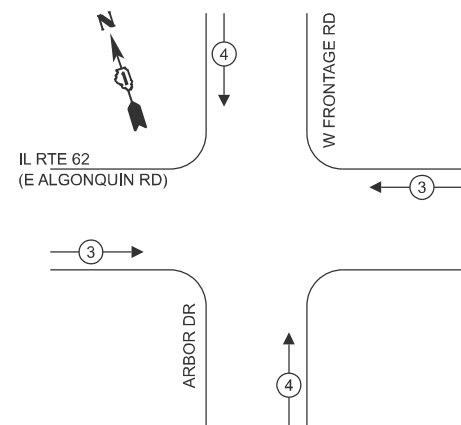
EXISTING/PROPOSED CONTROLLER SEQUENCE



LEGEND:

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

EXISTING/PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	8	11	88
4-SECTION	-	14	-
5-SECTION	4	13	52
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL CONTROLLER	2	15	30
MASTER CONTROLLER	1	150	150
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING		545	
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING		1,150	

ENERGY COSTS TO:
VILLAGE OF SCHAUMBURG
 101 SCHAUMBURG COURT
 SCHAUMBURG, IL 60173

ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPT.
 PHONE: (888) 639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 87673-35000
 METER NUMBER: ---

TS SHT NO. 10



USER NAME =
 PLOT DATE = 3/23/2026

DESIGNED - SSA
 DRAWN - SSA
 CHECKED - GJG
 DATE - 3/23/2026

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL 62 (ALGONQUIN RD) AT FRONTAGE RD AND ARBOR DRIVE

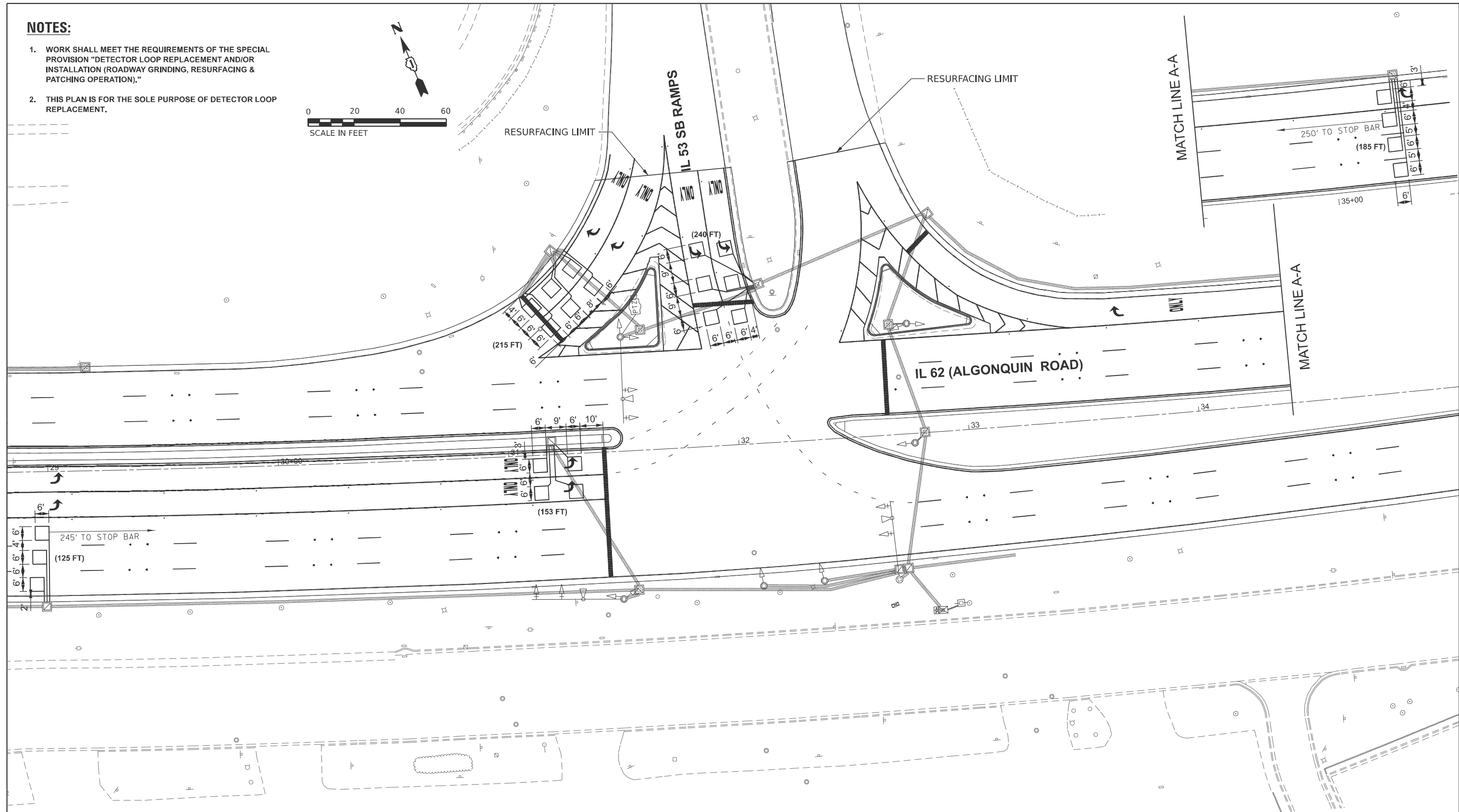
SCALE: NTS SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 339 SECTION 2025-2009-RS COUNTY COOK TOTAL SHEETS 71 SHEET NO. 50 CONTRACT NO. 80B28 ILLINOIS FED. AID PROJECT

TS 2930
 IDOT CENTRACS
 FORMER ECON 96

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATION)."
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	918

TS SHT NO. 11

TS 2670
IDOT CENTRACS
FORMER ECON 96



USER NAME =	DESIGNED - SSA	REVISED -
	DRAWN - SSA	REVISED -
	CHECKED - GJG	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL 62 (ALGONQUIN ROAD) AT IL 53 WEST RAMPS

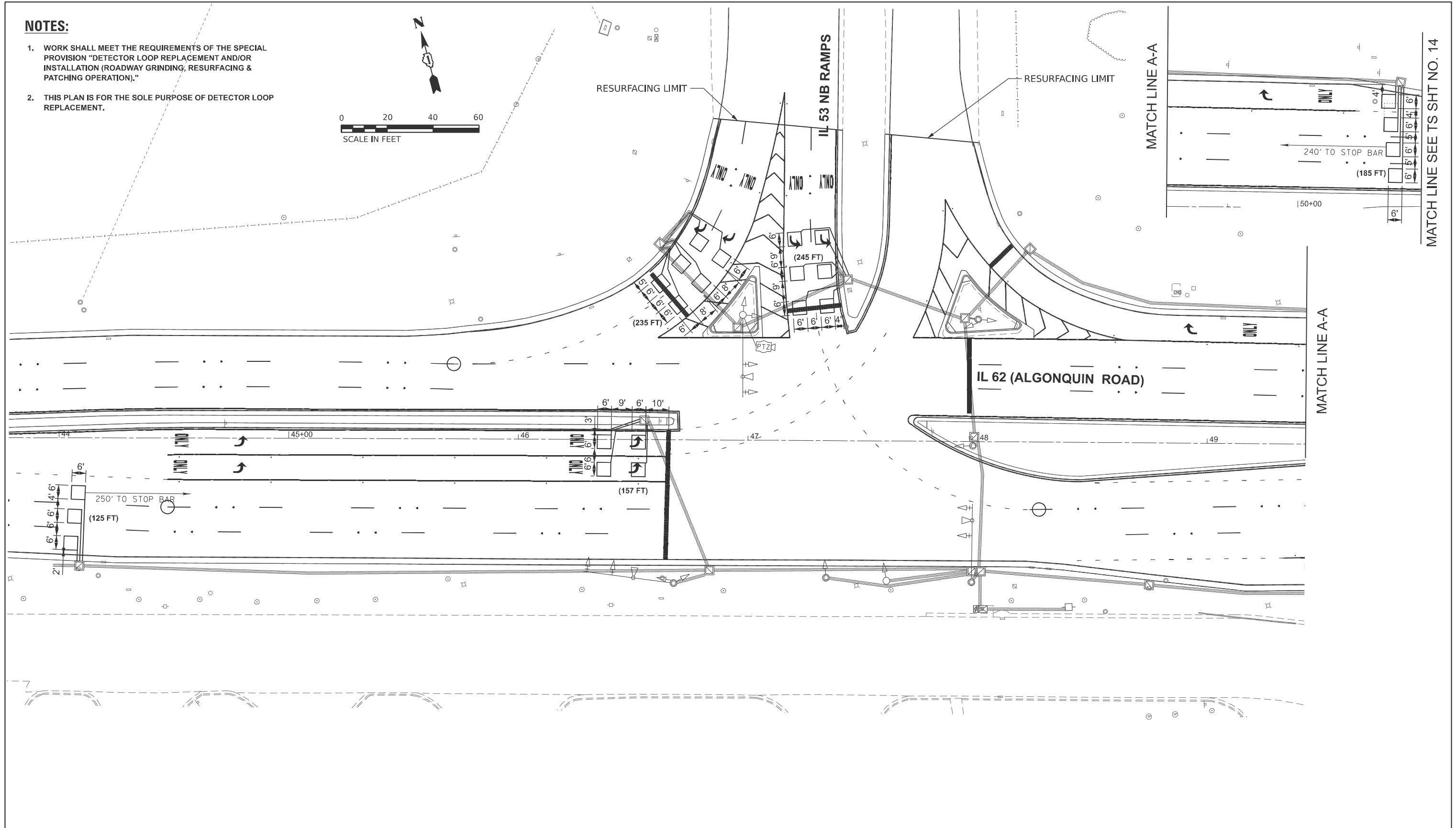
SCALE: 1"=20'

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 51
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATION)."
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



MATCH LINE SEE TS SHT NO. 14

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
DETECTOR LOOP REPLACEMENT	FOOT	947

TS SHT NO. 12

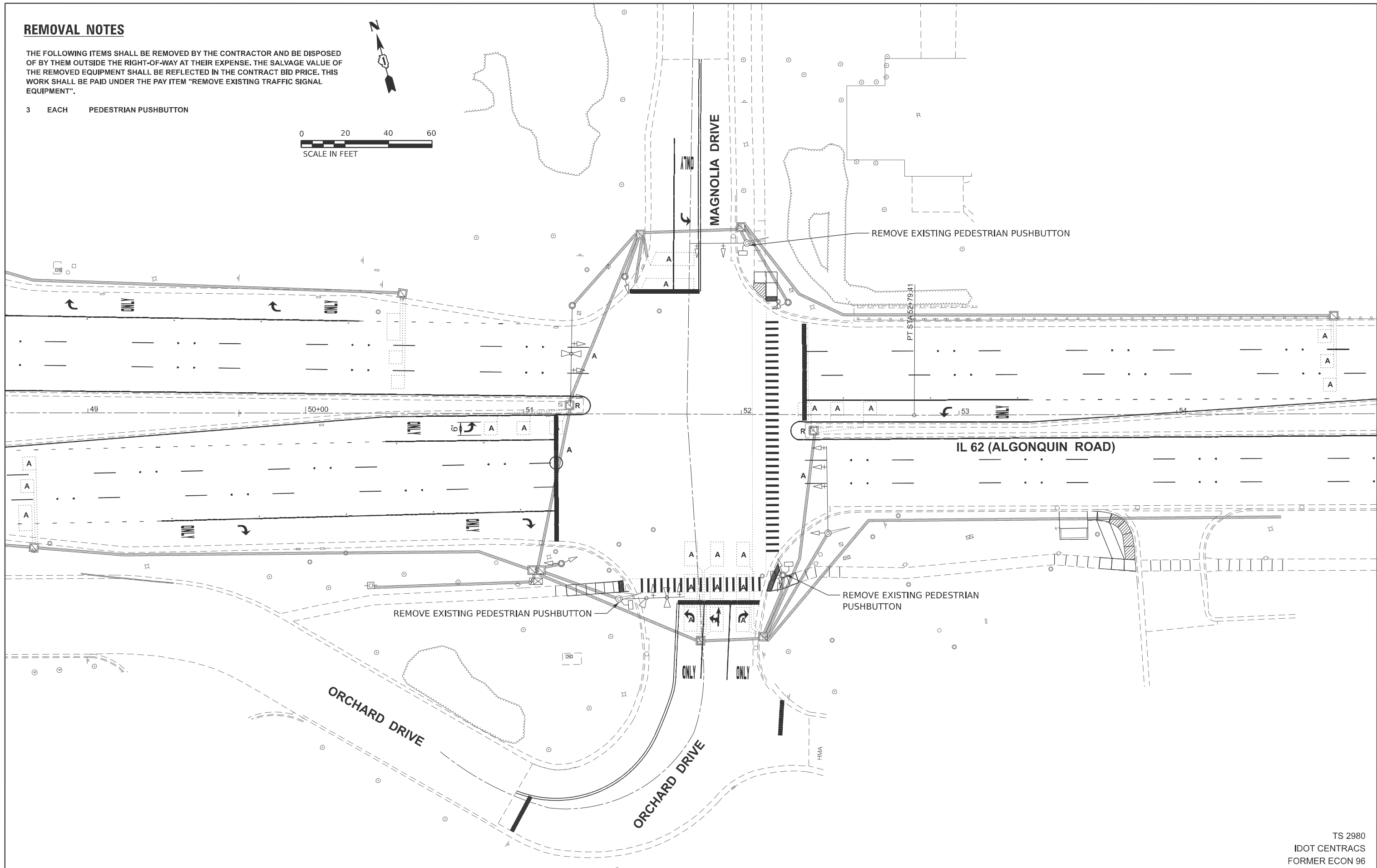
TS 2665
IDOT CENTRACS
FORMER ECON 96

	USER NAME =	DESIGNED - SSA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 62 (ALGONQUIN ROAD) AT IL 53 EAST RAMP	F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 52	
		DRAWN - SSA	REVISED -			CONTRACT NO. 80B28					
		CHECKED - GJG	REVISED -			ILLINOIS FED. AID PROJECT					
	PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -	SCALE: 1"=20'	SHEET 2 OF 2 SHEETS	STA. TO STA.					

REMOVAL NOTES

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND 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. THIS WORK SHALL BE PAID UNDER THE PAY ITEM "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT".

3 EACH PEDESTRIAN PUSHBUTTON



TS SHT NO. 13

TS 2980
IDOT CENTRACS
FORMER ECON 96



USER NAME =	DESIGNED - SSA	REVISED -
	DRAWN - SSA	REVISED -
	CHECKED - GJG	REVISED -
PLOT DATE = 3/23/2026	DATE - 3/23/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

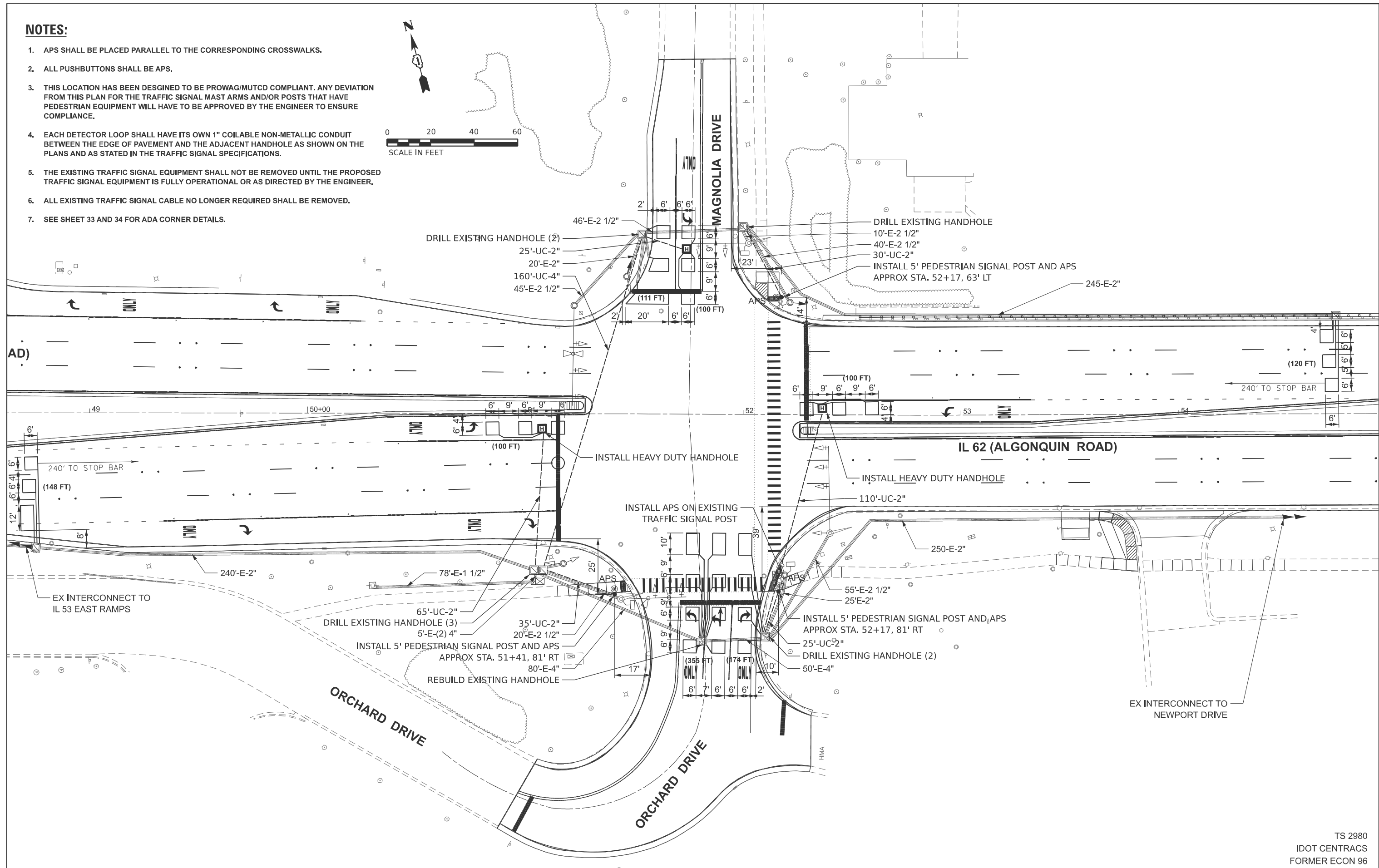
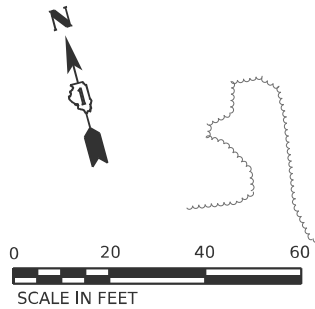
TRAFFIC SIGNAL REMOVAL PLAN
IL 62 (ALGONQUIN ROAD) AT MAGNOLIA DRIVE AND ORCHARD DRIVE

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	53
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				

NOTES:

1. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALKS.
2. ALL PUSHBUTTONS SHALL BE APS.
3. THIS LOCATION HAS BEEN DESIGNED TO BE PROWAG/MUTCD COMPLIANT. ANY DEVIATION FROM THIS PLAN FOR THE TRAFFIC SIGNAL MAST ARMS AND/OR POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER TO ENSURE COMPLIANCE.
4. 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.
5. THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL NOT BE REMOVED UNTIL THE PROPOSED TRAFFIC SIGNAL EQUIPMENT IS FULLY OPERATIONAL OR AS DIRECTED BY THE ENGINEER.
6. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.
7. SEE SHEET 33 AND 34 FOR ADA CORNER DETAILS.



TS SHT NO. 14

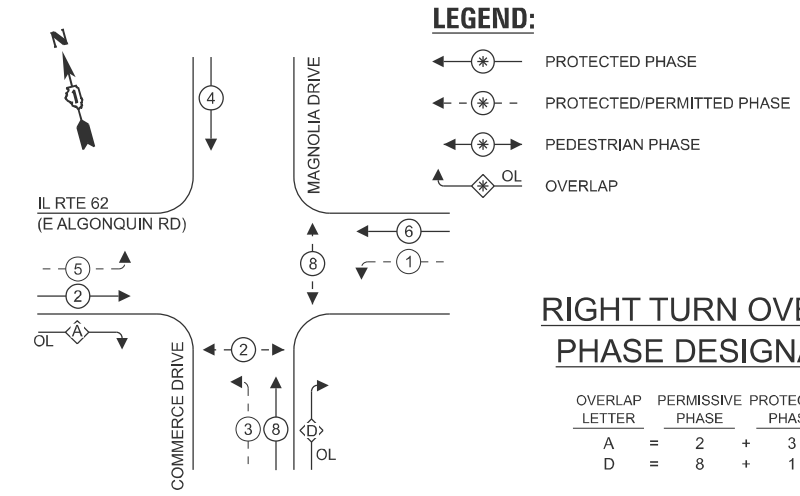
TS 2980
IDOT CENTRICS
FORMER ECON 96

	USER NAME =	DESIGNED - SSA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN IL 62 (ALGONQUIN ROAD) AT MAGNOLIA DRIVE AND ORCHARD DRIVE	F.A.P. RTE. 339	SECTION 2025-2009-RS	COUNTY COOK	TOTAL SHEETS 71	SHEET NO. 54
	DRAWN - SSA CHECKED - GJG PLOT DATE = 3/23/2026	REVISED - REVISED - DATE - 3/23/2026	REVISED - REVISED - REVISED -			SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.	CONTRACT NO. 80B28 ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	290
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	160
HEAVY DUTY HANDHOLE	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO.6 1C	EACH	83
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	753
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	268
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,083
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,402
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,258
DRILL EXISTING HANDHOLE	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
DETECTOR LOOP, TYPE 1	FOOT	1,208
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,697
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	281
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A, 12-INCH DIAMETER	FOOT	12
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

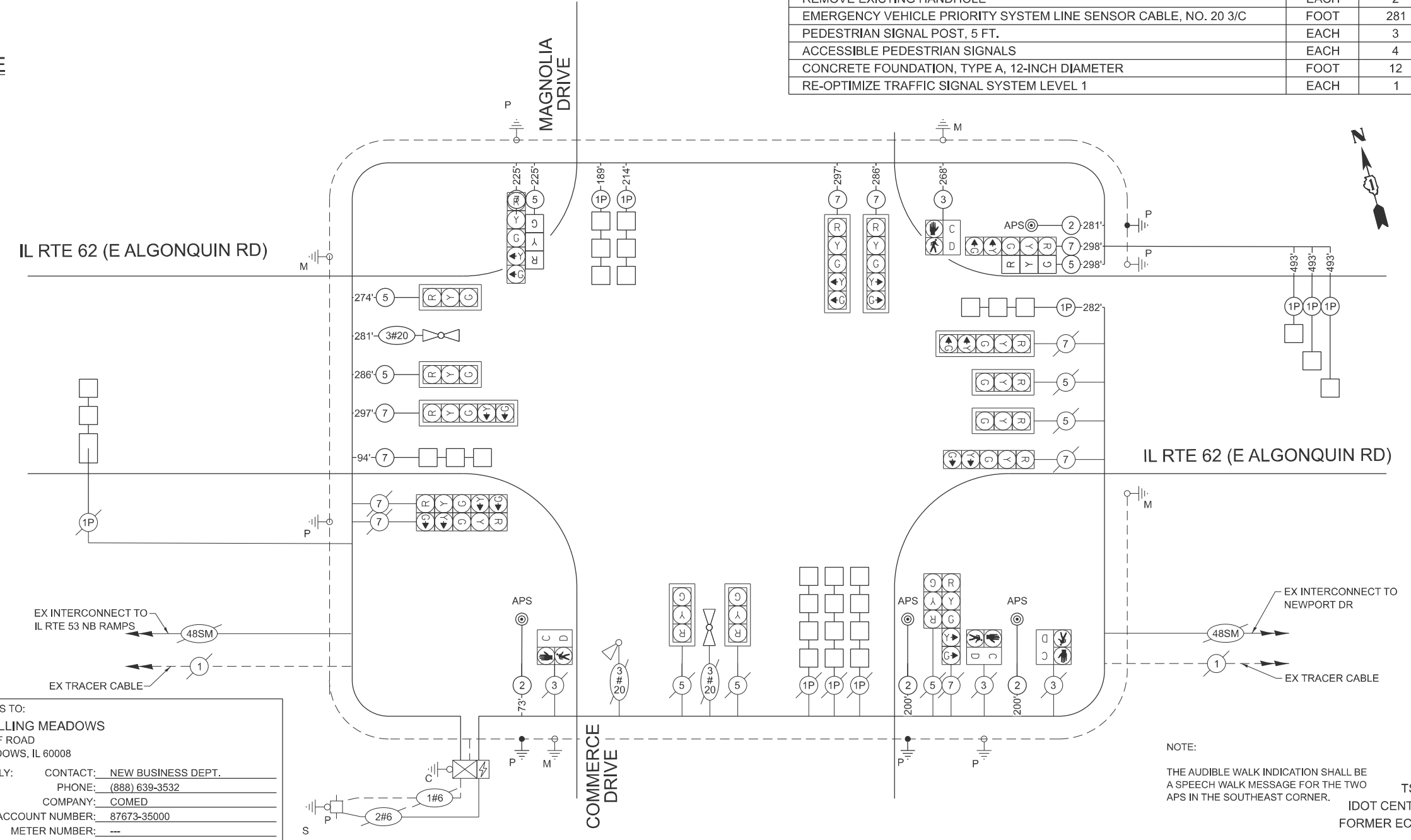
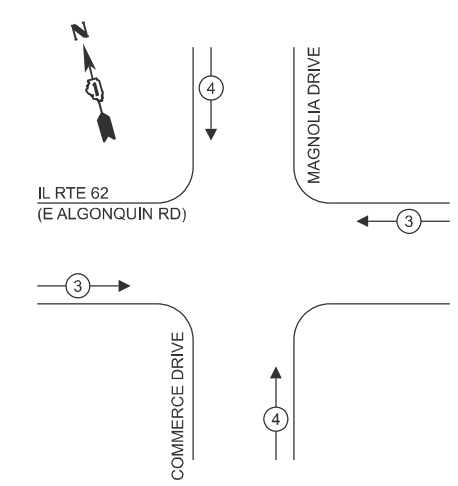
EXISTING/PROPOSED CONTROLLER SEQUENCE



RIGHT TURN OVERLAP PHASE DESIGNATION

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

EXISTING/PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	9	11	99
4-SECTION	-	14	-
5-SECTION	10	13	130
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	4	15	60
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING	464		
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL SERVICE WIRE SIZING	1,069		

ENERGY COSTS TO:
CITY OF ROLLING MEADOWS
 3600 KIRCHOFF ROAD
 ROLLING MEADOWS, IL 60008
 ENERGY SUPPLY: CONTACT: NEW BUSINESS DEPT.
 PHONE: (888) 639-3532
 COMPANY: COMED
 ACCOUNT NUMBER: 87673-35000
 METER NUMBER: ---

NOTE:
 THE AUDIBLE WALK INDICATION SHALL BE A SPEECH WALK MESSAGE FOR THE TWO APS IN THE SOUTHEAST CORNER.
 TS 2980
 IDOT CONTRACS
 FORMER ECON 96

TS SHT NO. 15



USER NAME =
 PLOT DATE = 3/23/2026

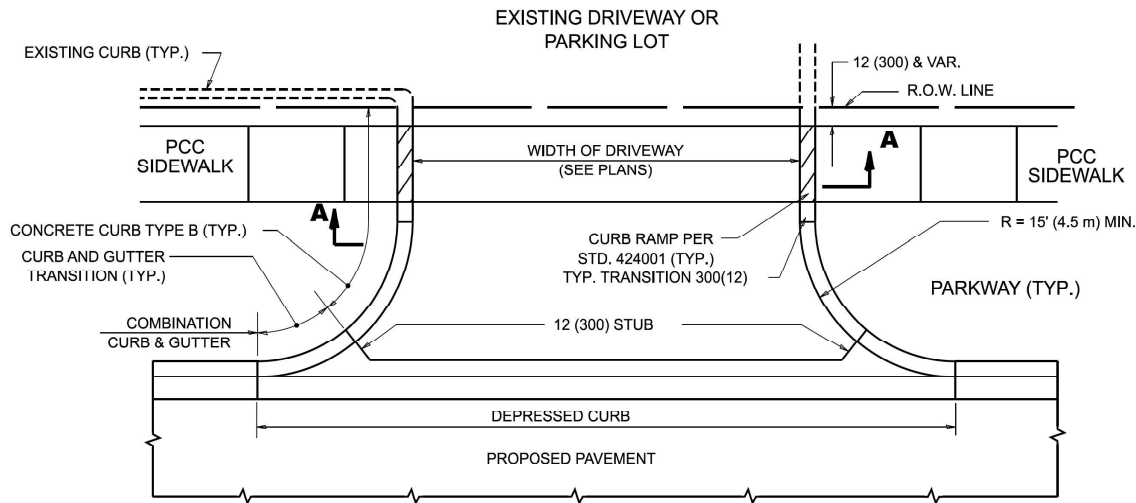
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 DRAWN - SSA
 CHECKED - GJG
 DATE - 3/23/2026

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

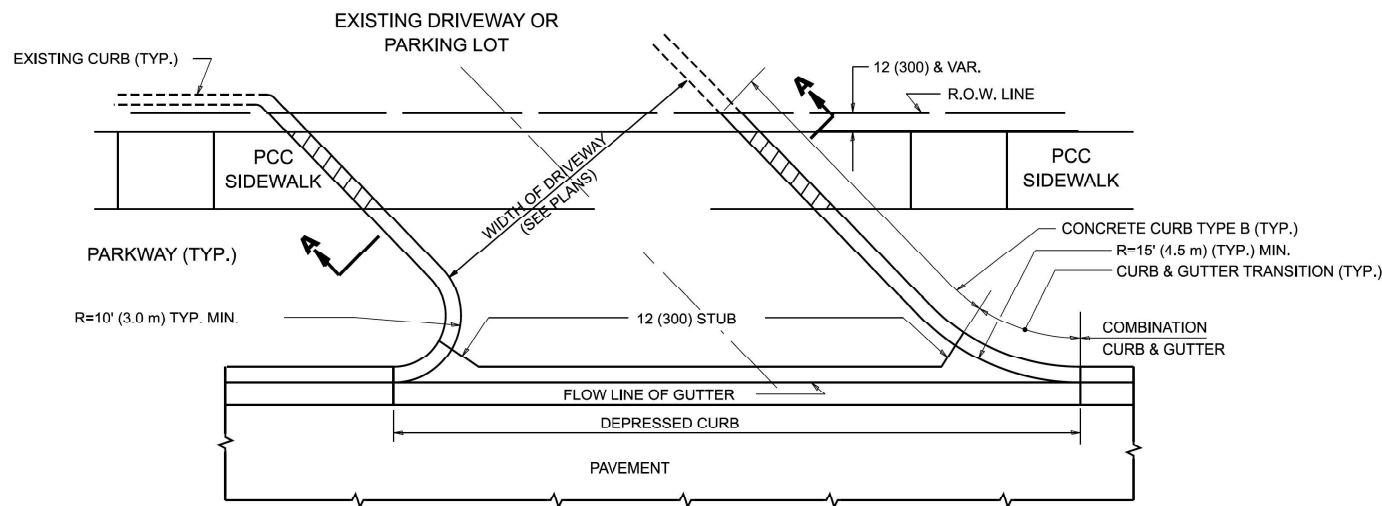
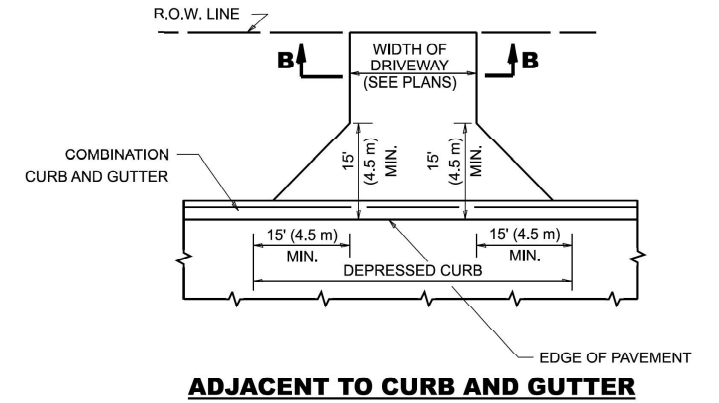
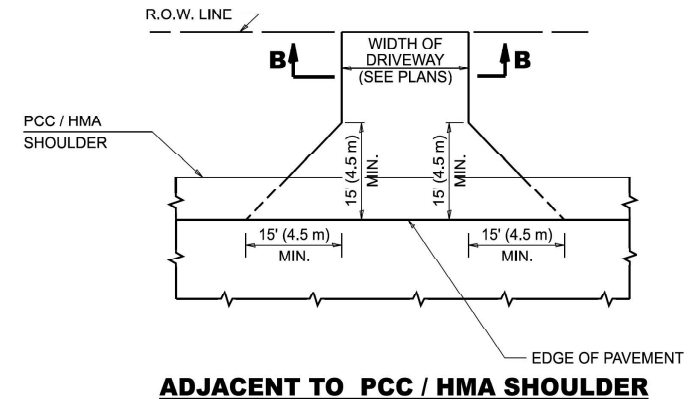
**CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL 62 (ALGONQUIN RD) AT MAGNOLIA DRIVE**

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

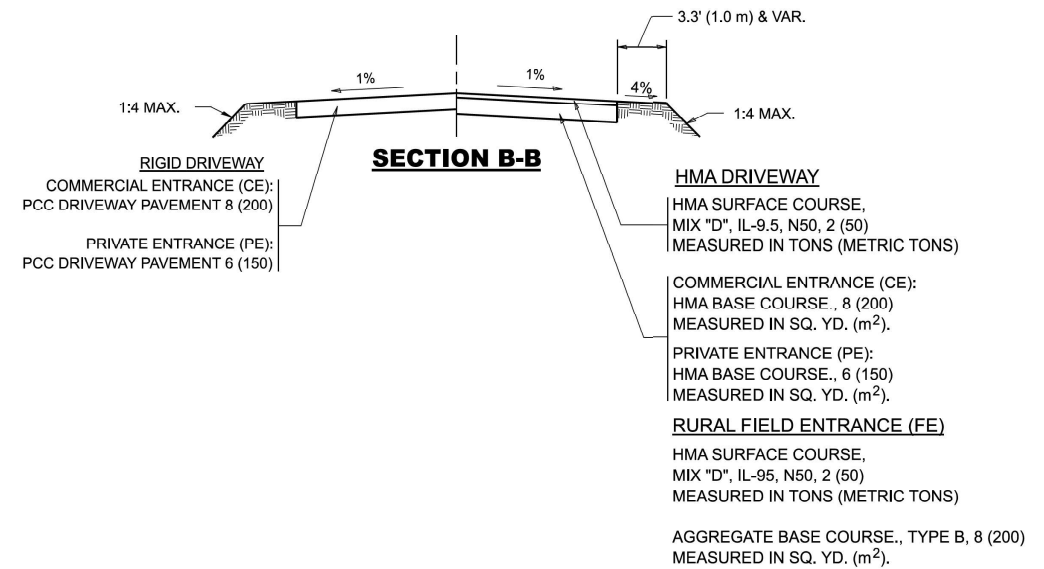
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	2025-2009-RS	COOK	71	55
CONTRACT NO. 80B28				
ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B

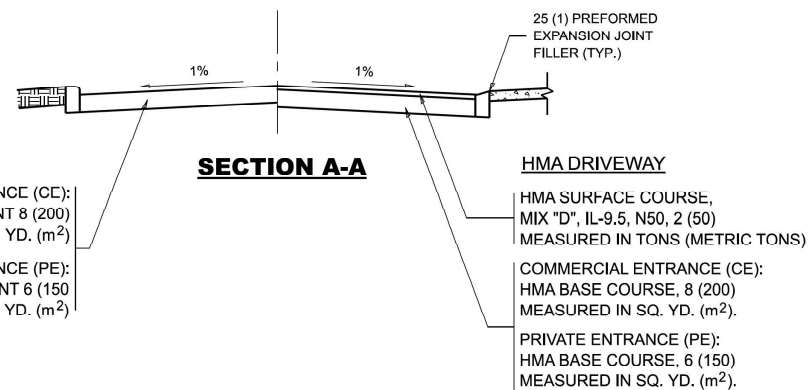


WITH CONCRETE CURB, TYPE B



GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.
- COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.



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

MODEL: Plan Single (Sheet)
 FILE NAME: Z:\DOTCAD_ORG\Folder Master\Master Files\DOTCAD_CONNECT\Configuration\Organizer\Civil\DOT_Standards\Drawings\Sheet Standards\Boundary_SheetStandards.dgn



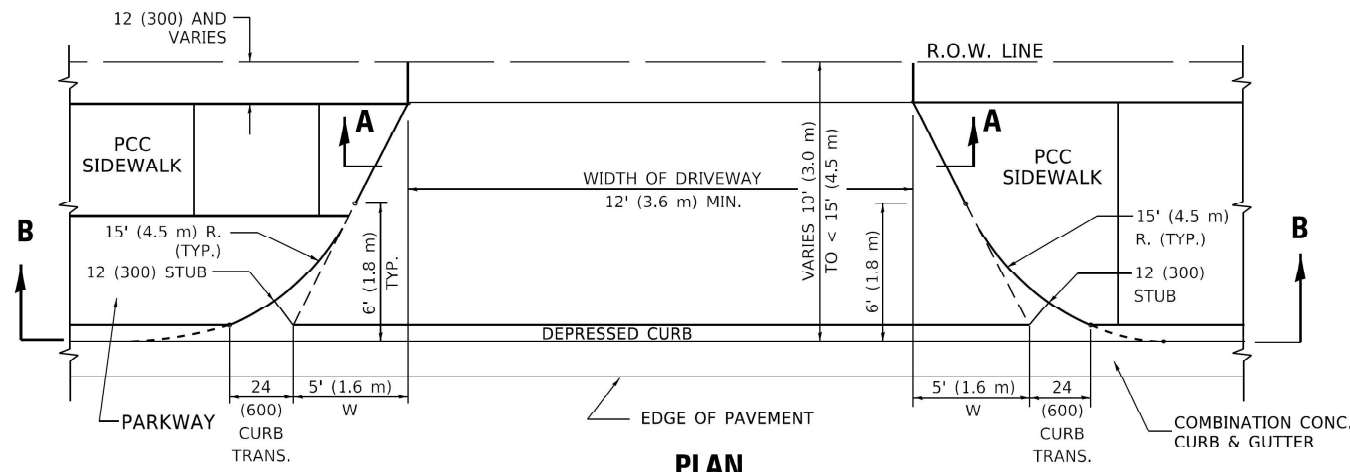
USER NAME = eric.j.thomas	DESIGNED - R. SHAH	REVISED - R. BORO 06-11-08
PLOT SCALE = 0.08333317' / in.	DRAWN - R. BORO 09-06-11	REVISED - K. SMITH 08-28-19
PLOT DATE = 8/30/2023	CHECKED -	REVISED - K. SMITH 11-18-22
	DATE - 11-04-95	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

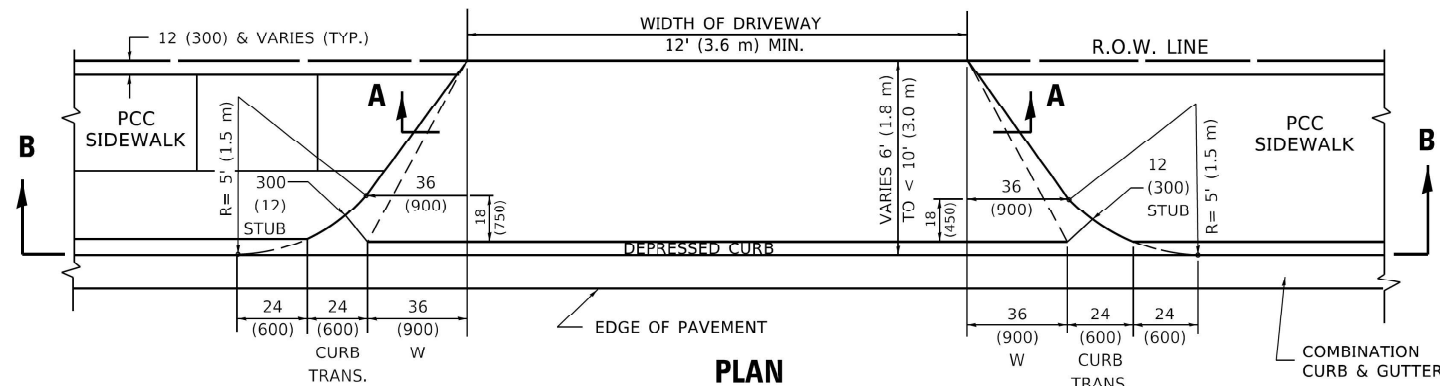
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >15'(4.5m)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-01 (BD-01)	COOK	71	56
ILLINOIS		FED. AID PROJECT		

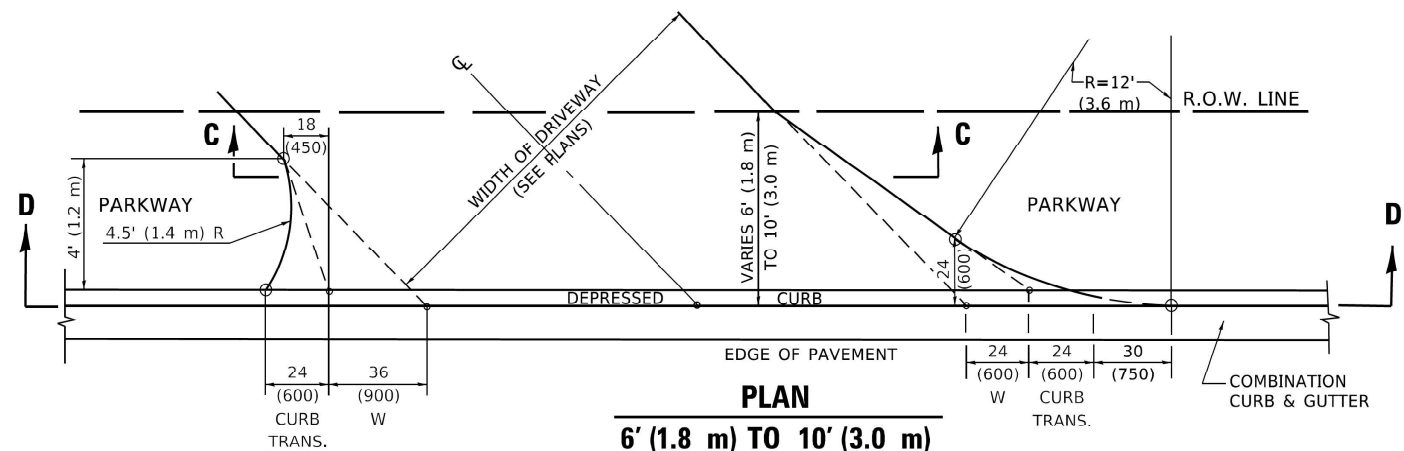
CONTRACT NO. 80B28



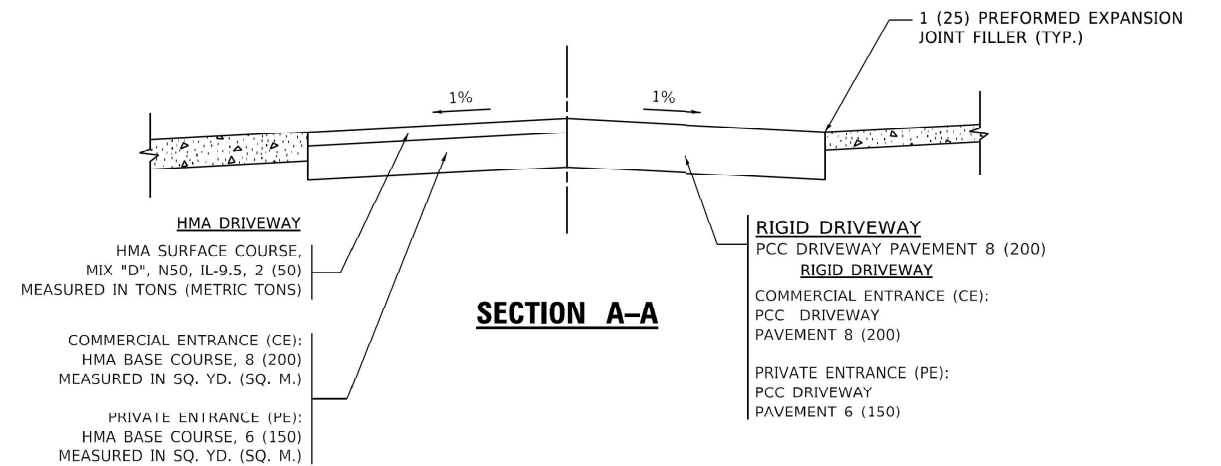
PLAN
10' (3.0 m) TO < 15' (4.5 m)



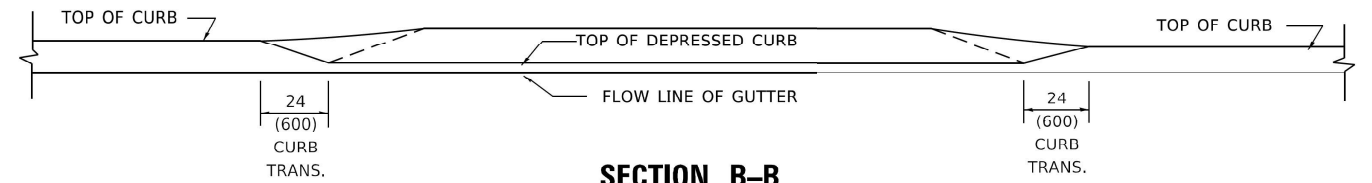
PLAN
6' (1.8 m) TO < 10' (3.0 m)



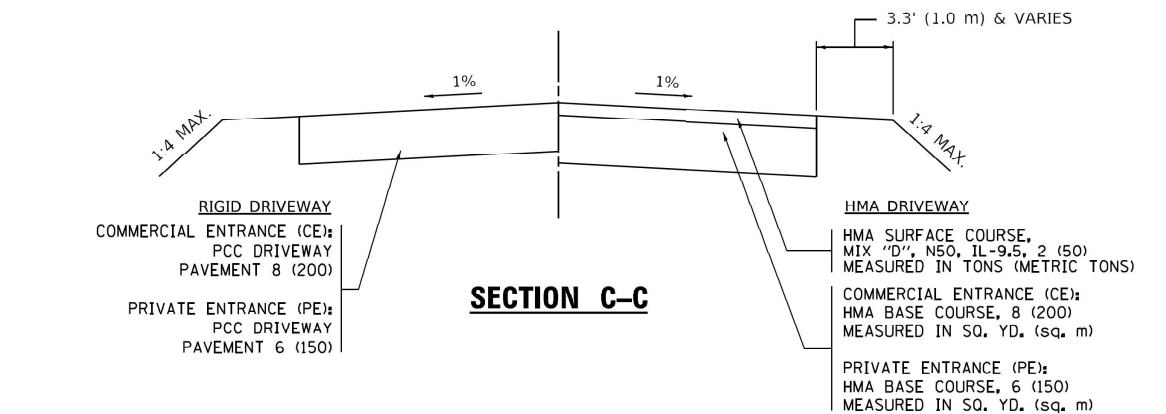
PLAN
6' (1.8 m) TO 10' (3.0 m)



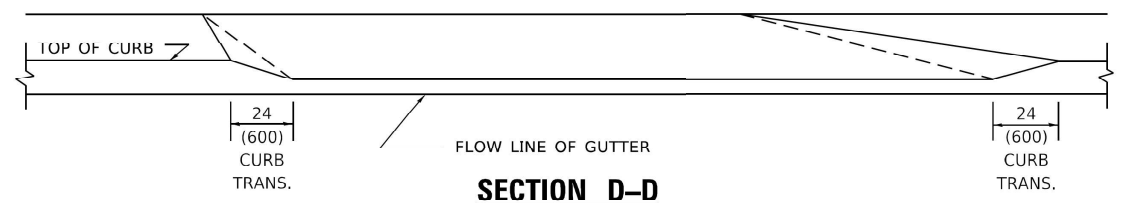
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

- DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
- WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
- "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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USER NAME = Lawrence.DeManche
DESIGNED - R. SHAH
DRAWN - R. BORO 09-06-11
CHECKED - R. BORO 09-06-11
DATE - 11-06-95
PLOT SCALE = 100.0000' / in.
PLOT DATE = 11/18/2022

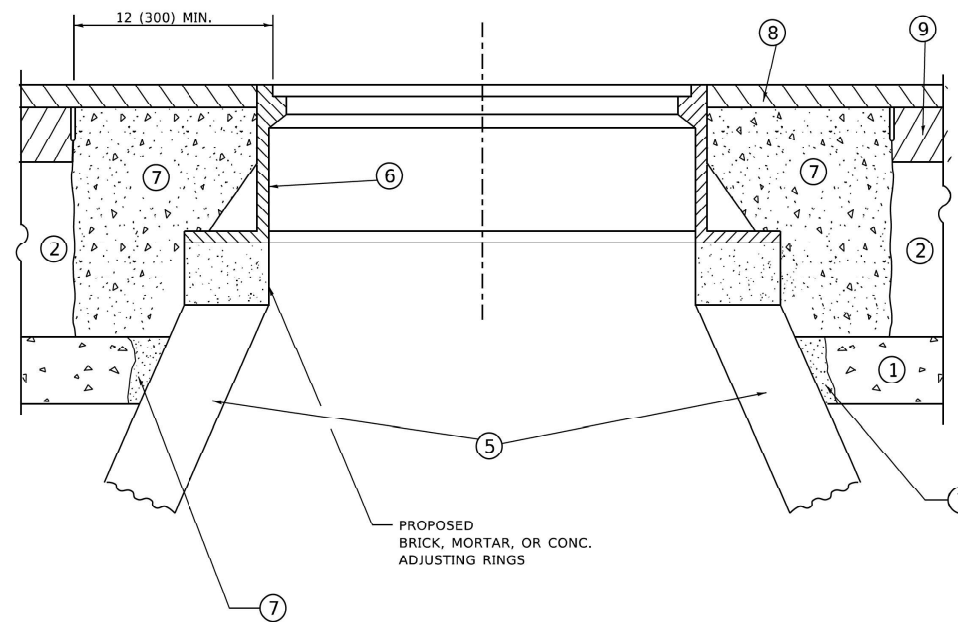
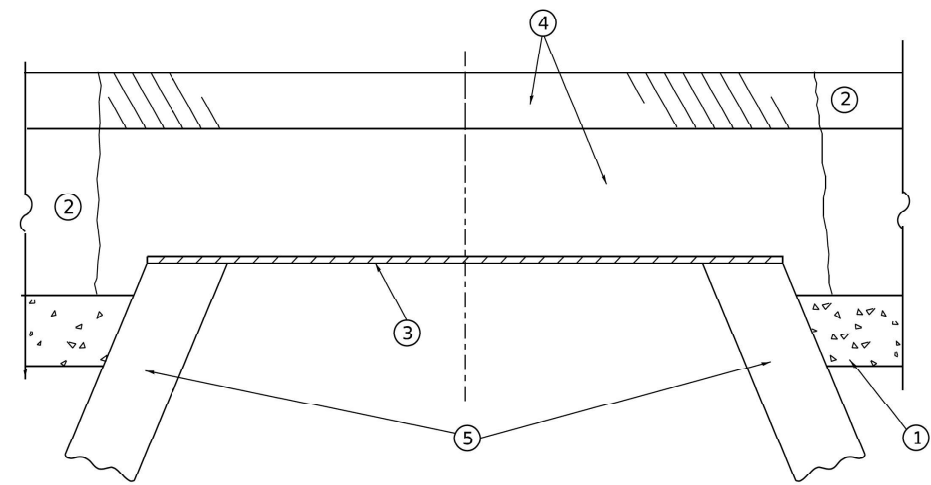
DESIGNED - R. SHAH
REVISOR - R. BORO 01-01-07
DRAWN - R. BORO 09-06-11
CHECKED - R. BORO 09-06-11
DATE - 11-06-95
REVISOR - K. SMITH 08-27-19
REVISOR - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	57
BD400-02 (BD-02)		CONTRACT NO. 80B28		
ILLINOIS FED. AID PROJECT				



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

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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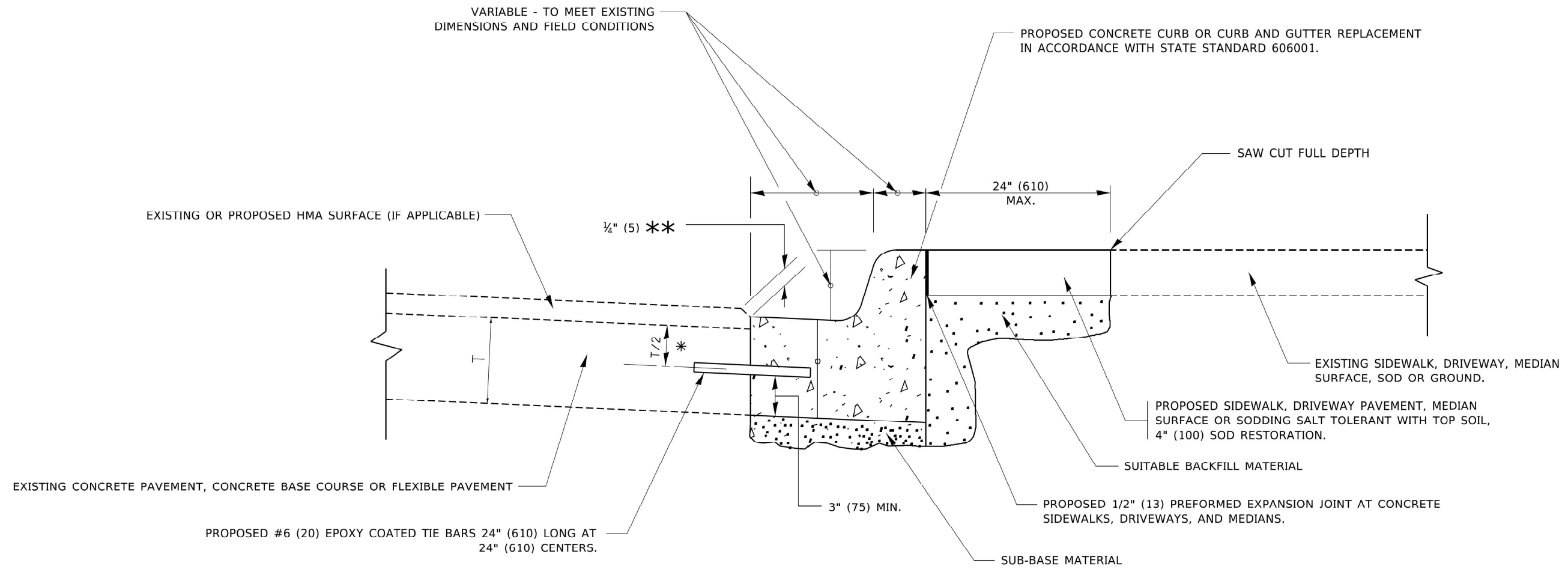
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 11-18-22
		REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	58
BD600-03 (BD-08)		CONTRACT NO. 80B28		
ILLINOIS		FED. AID PROJECT		



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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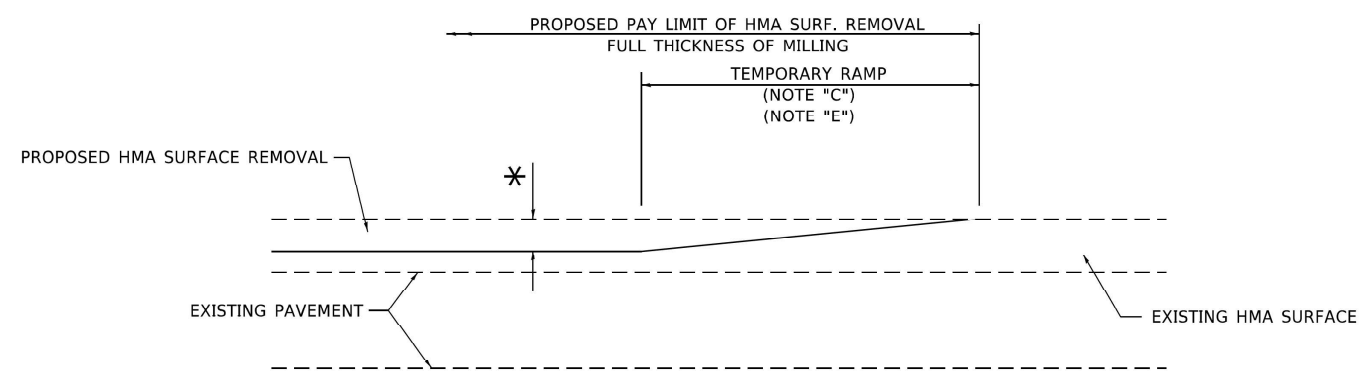
V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 830 724 9200 phone
 www.v3co.com

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	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

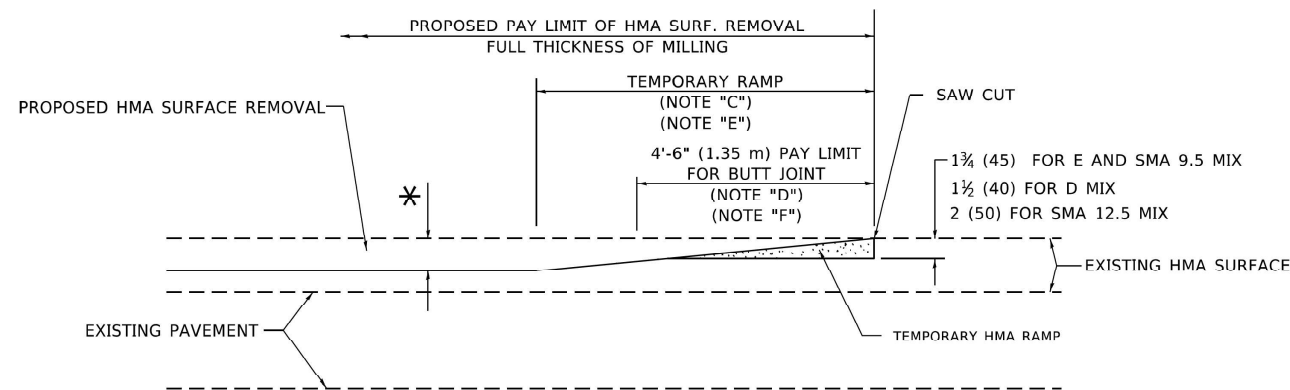
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	59
BD600-06 (BD-24)			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				



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

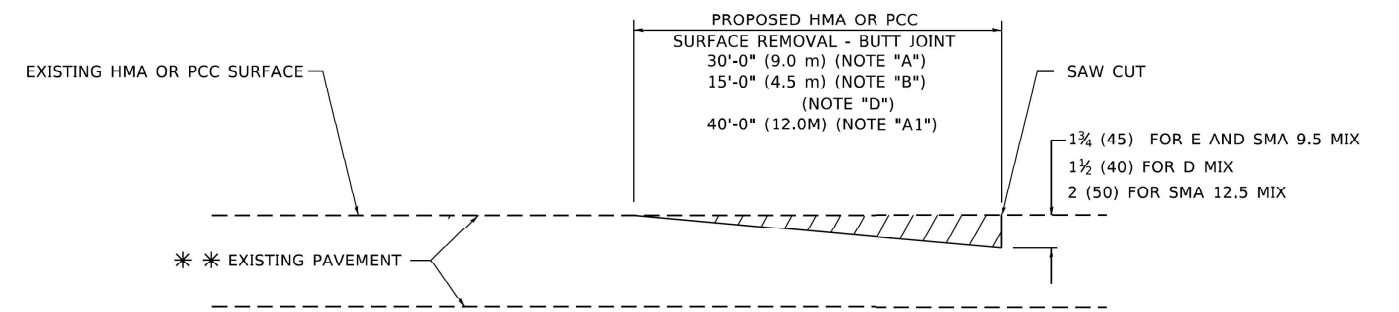
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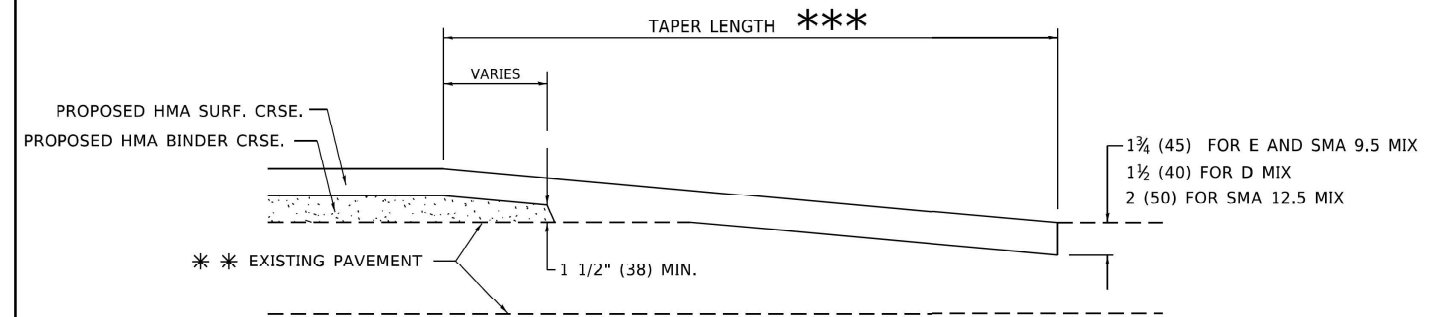
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

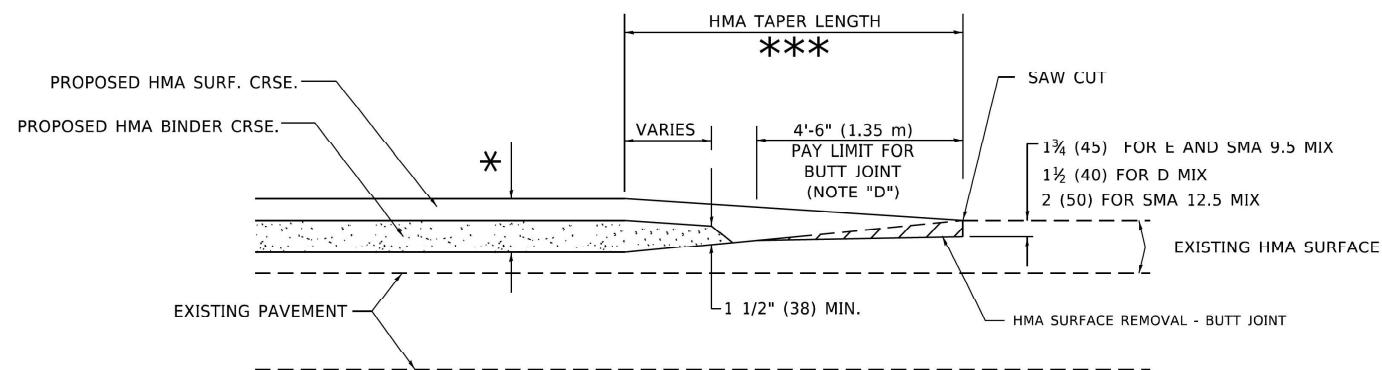
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
830-724-9200 phone
www.v3co.com

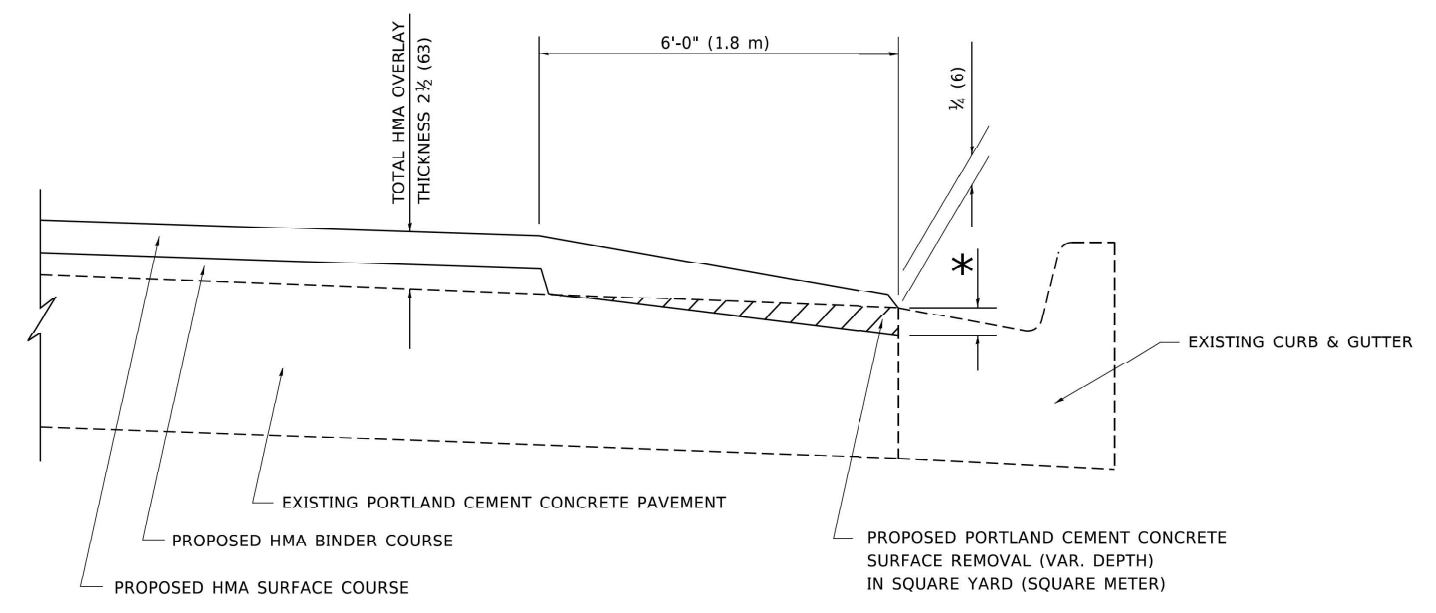
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 11/18/2022	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	60
BD400-05 BD-32		CONTRACT NO. 80B28		
ILLINOIS FED. AID PROJECT				



**HMA TAPER AT
EDGE OF P.C.C. PAVEMENT**

HMA SURFACE COURSE	HMA BINDER COURSE		* MILLING AT GUTTER FLAG
MIX	THICKNESS	THICKNESS	
D	1 1/2 (38)	1 (25)	1 1/4 (33)
C OR SMA 9.5	1 3/4 (44)	3/4 (19)	1 1/2 (38)

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

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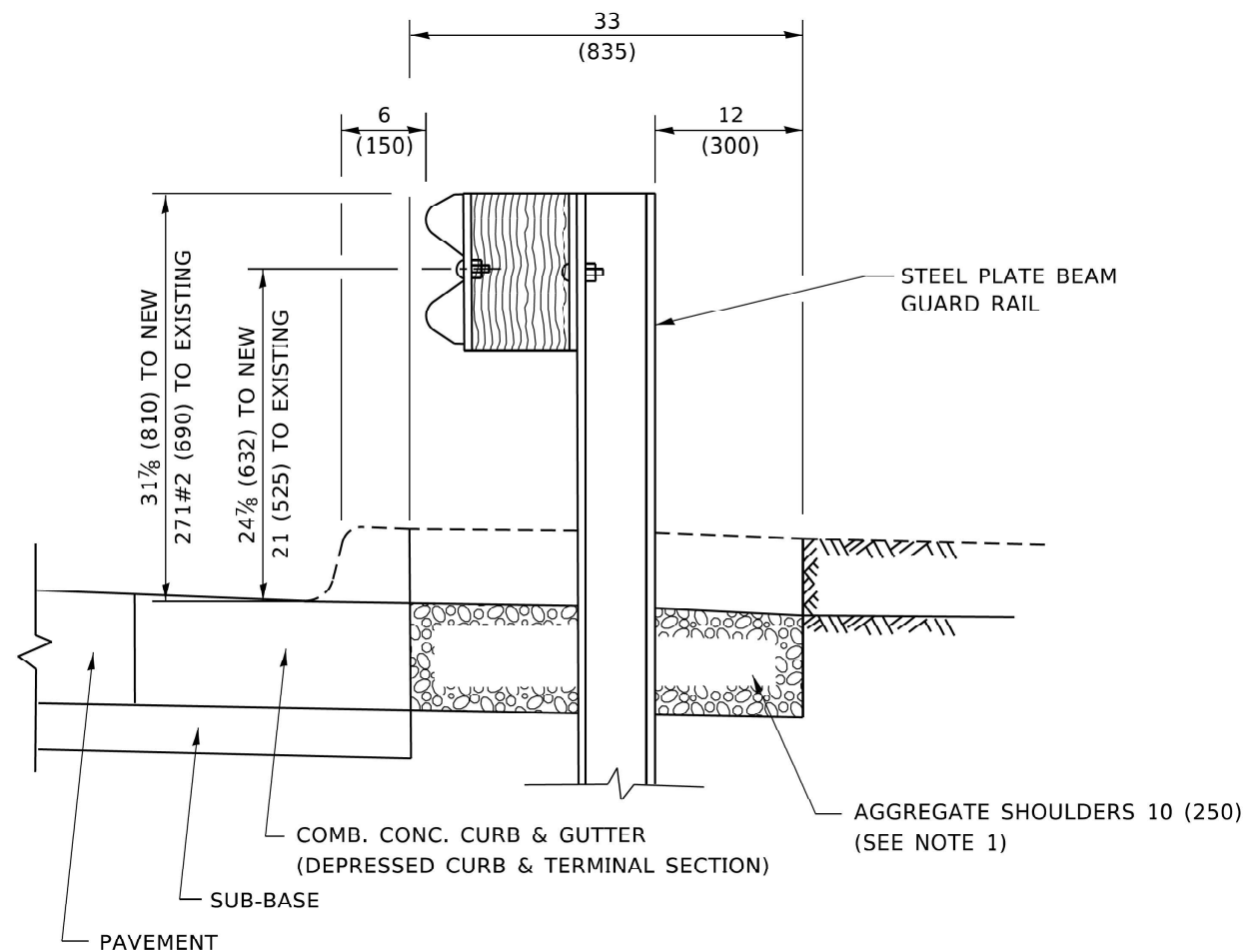
13 V3 Companies
 7325 Janes Avenue
 Woodridge, IL 60517
 830-724-8200 phone
 www.v3co.com

USER NAME = Shawn.Ley	DESIGNED - R. SHAH	REVISED - E. GOMEZ 12-21-00
	DRAWN - JIS	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED - A. ABBAS	REVISED - JP CHANG 07-08-16
PLOT DATE = 1/23/2023	DATE - 09-10-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HMA TAPER AT EDGE OF P.C.C. PAVEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	61
BD400-06		BD-33	CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				



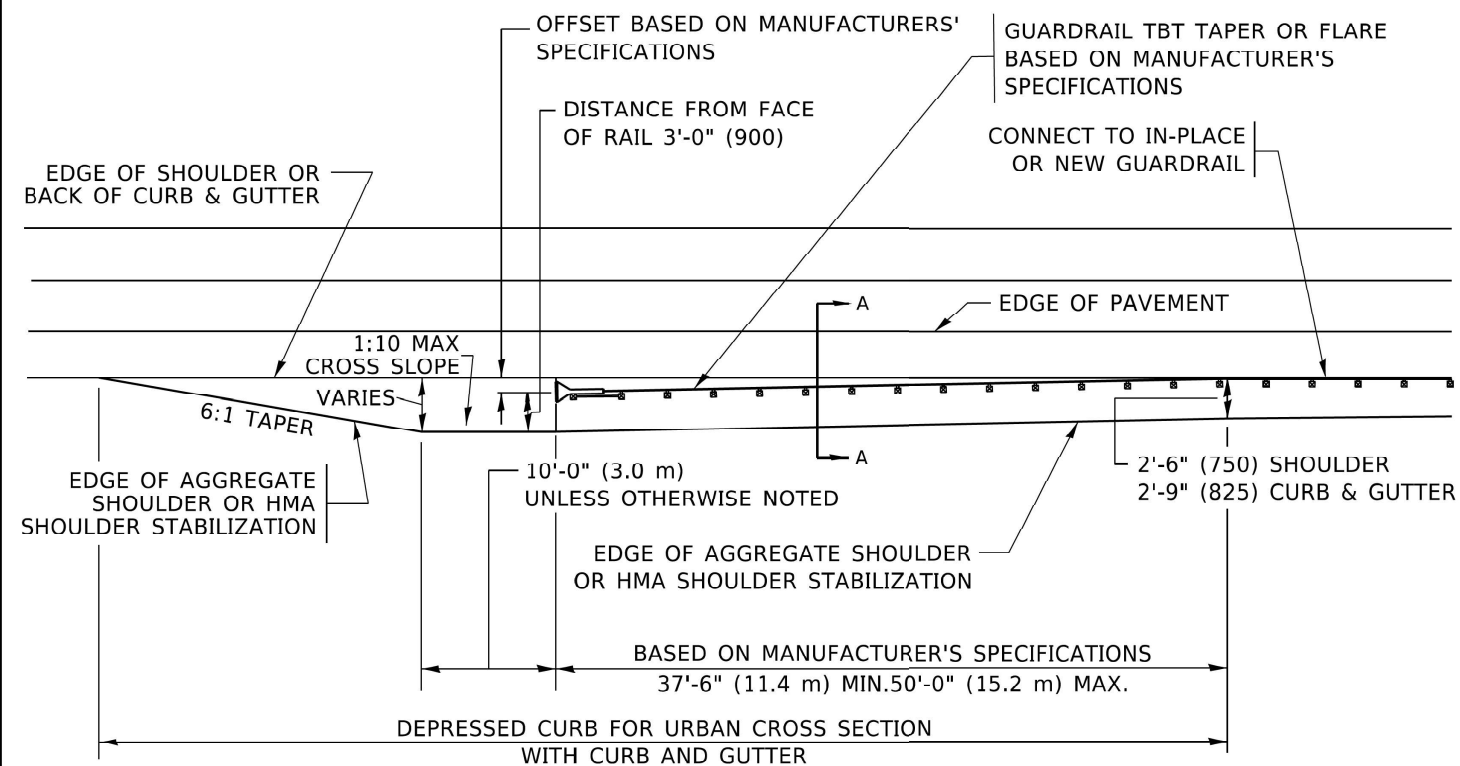
SECTION A-A

NOTES:

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE EXISTING GUARDRAIL HEIGHT SHALL TRANSITION TO MATCH THE NEW TERMINAL END SECTION AND SHALL BE PAID FOR AS VERTICAL ADJUSTMENT OF EXISTING GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER**

[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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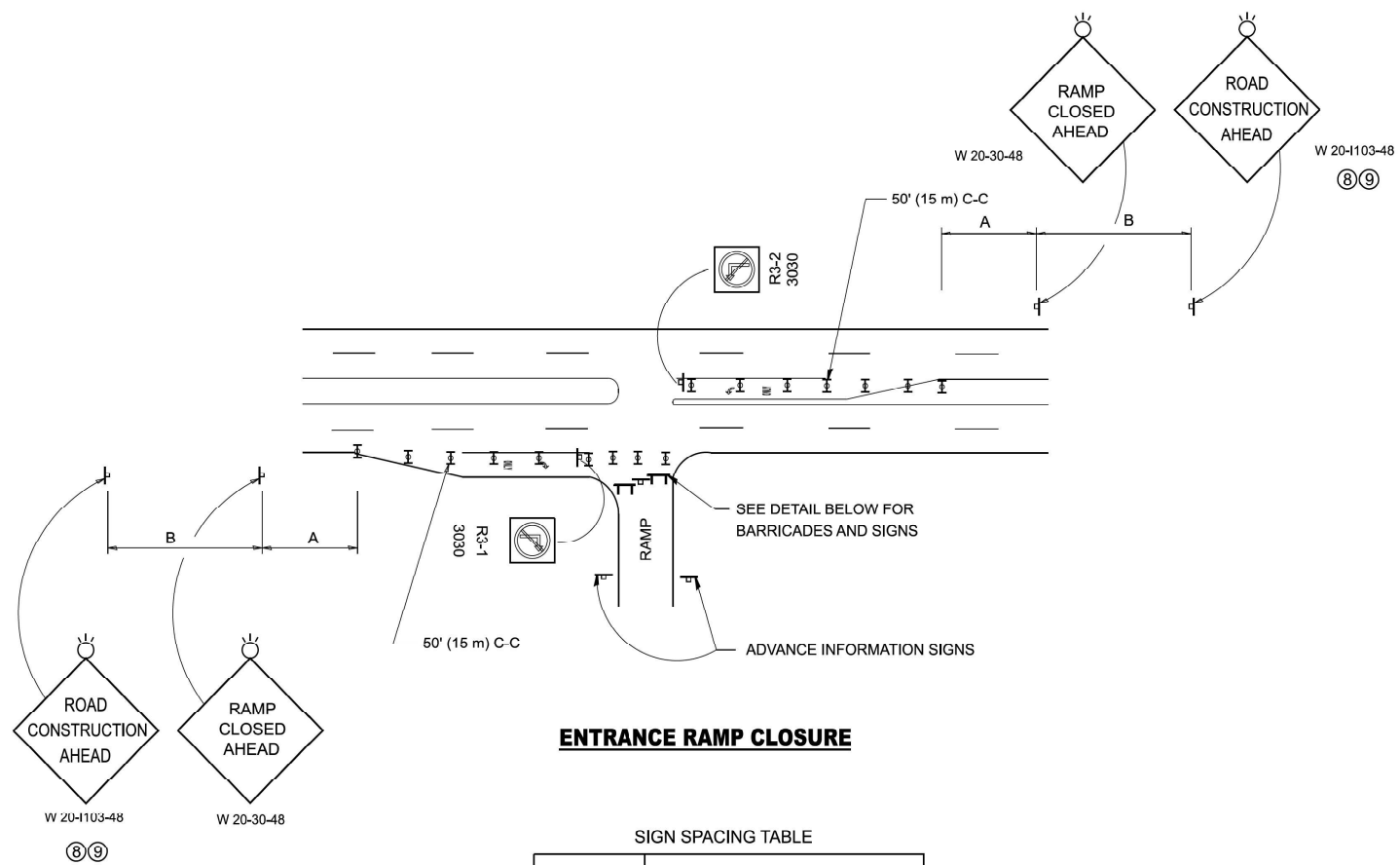
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PLOT DATE = 11/18/2022	DATE - 09-22-90	REVISED - R. BORO 05-08-2015
		REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD600-10 (BD-34)	COOK	71	62
		CONTRACT NO. 80B28		
ILLINOIS FED. AID PROJECT				

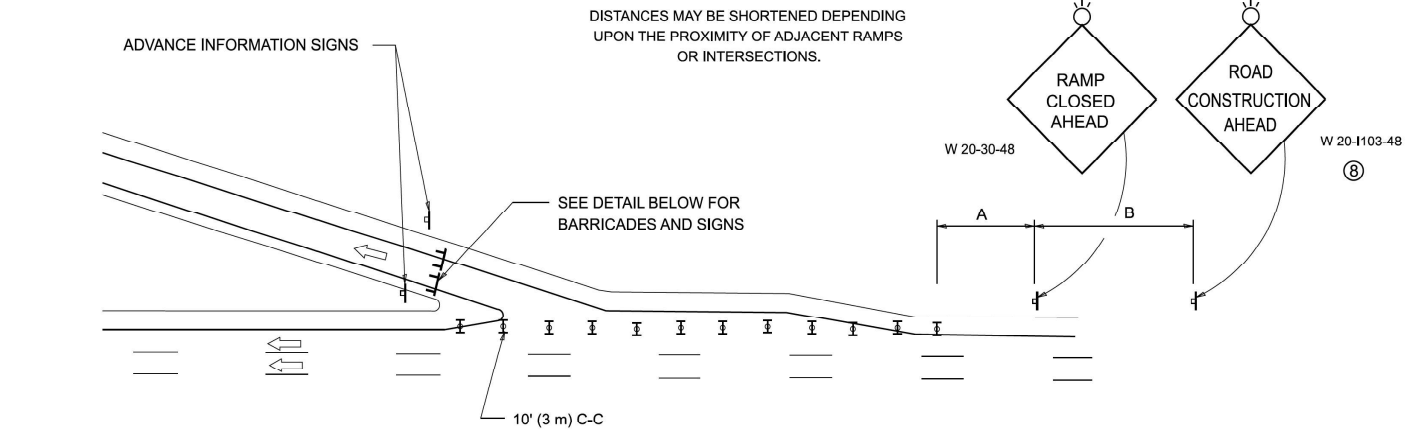


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

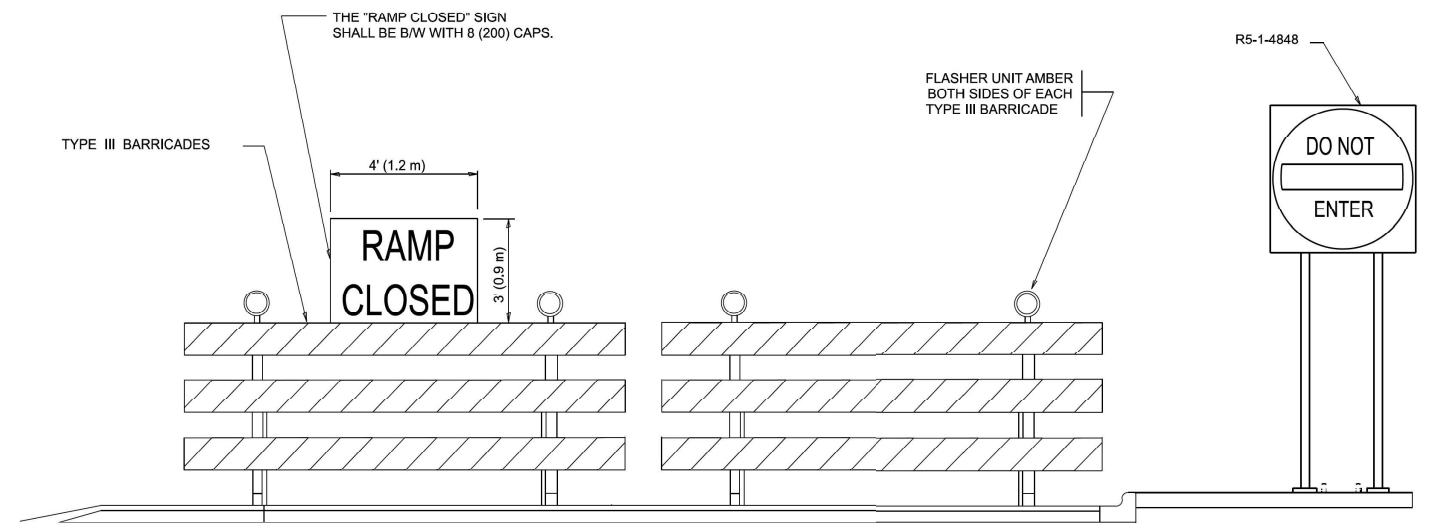
FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



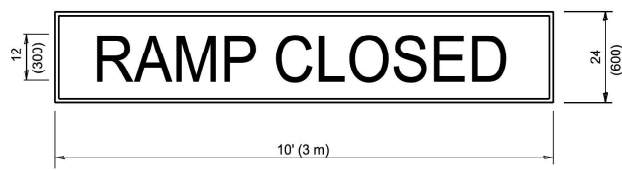
EXIT RAMP CLOSURE

- SYMBOLS**
- ▬ TYPE II BARRICADE OR DRUM
 - ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



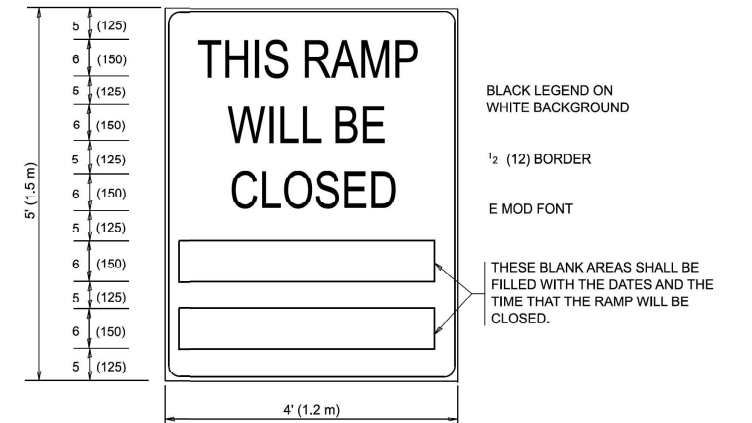
BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1/2 (12) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTFRIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

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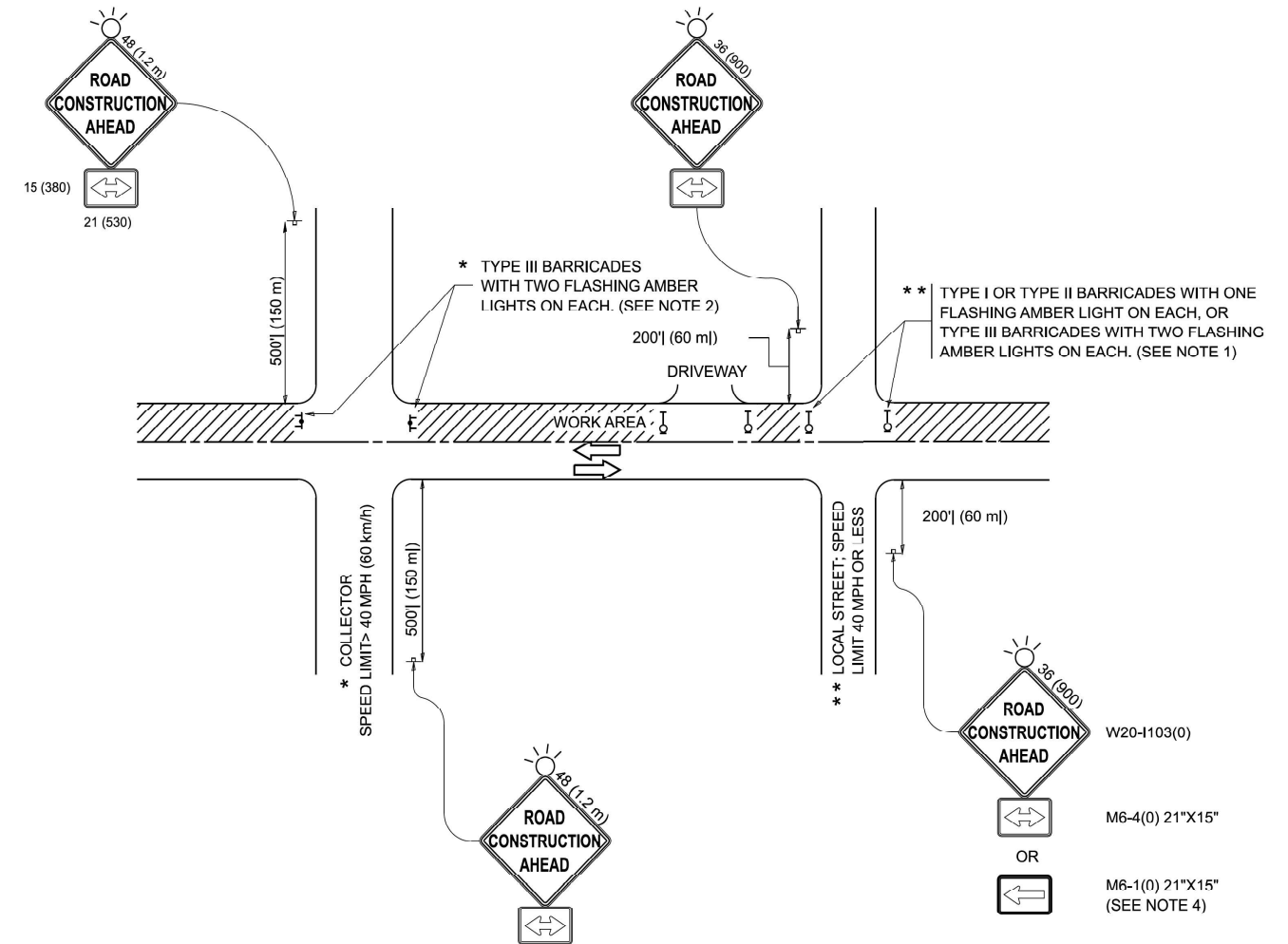
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	DATE - 02-83	REVISED - D.S._05-25

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT RAMP CLOSURE DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-08	COOK	71	63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B28	



NOTES:

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

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

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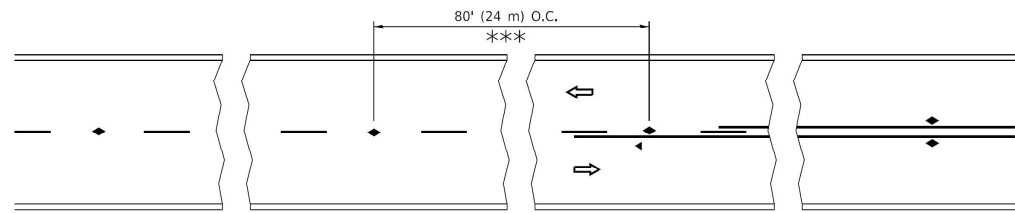
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PLOT DATE = 10/2/2025	DATE - 06-89	REVISED - A. SCHUETZE 09-15-06
		REVISED - D. SENDERAK 05-03-25

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

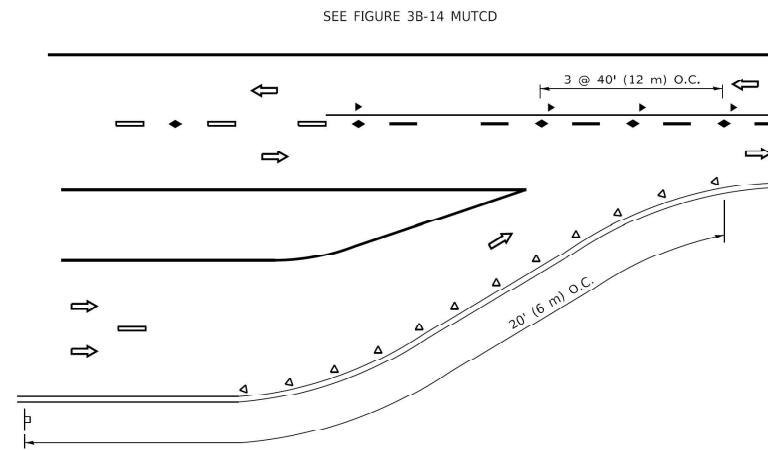
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	64
TC-10			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				

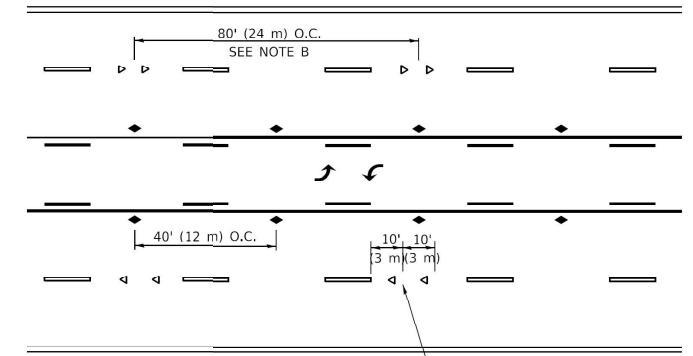


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

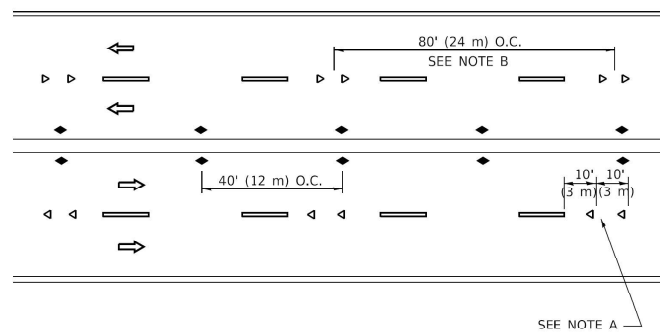
TWO-LANE/TWO-WAY



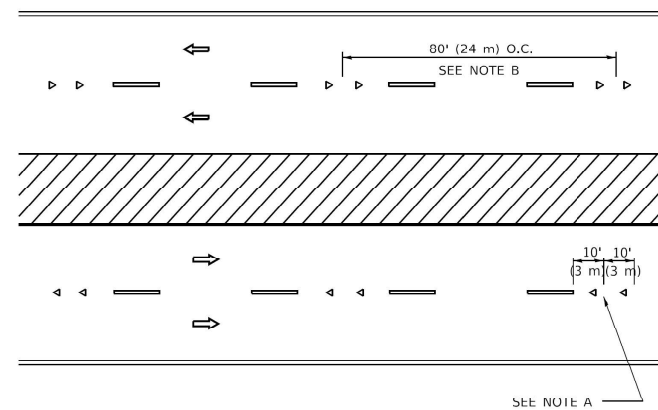
LANE REDUCTION TRANSITION



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

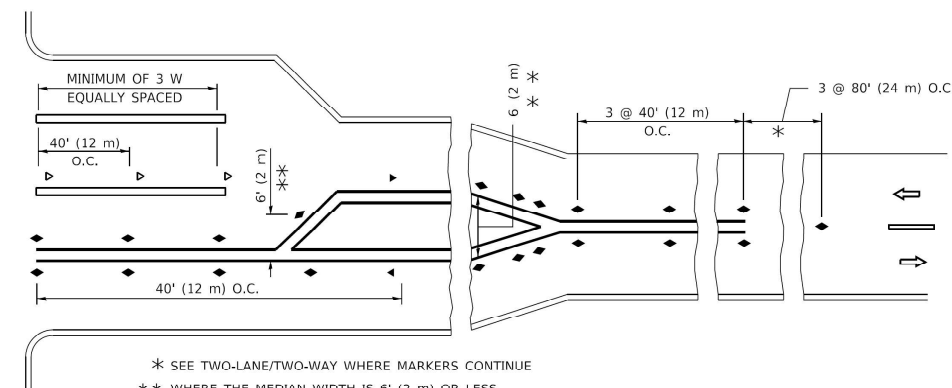
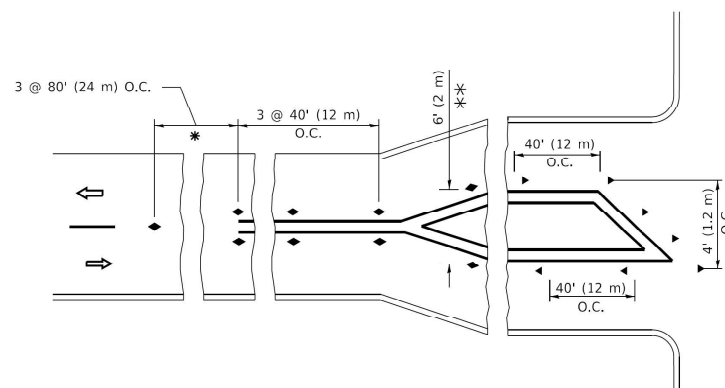
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

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DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

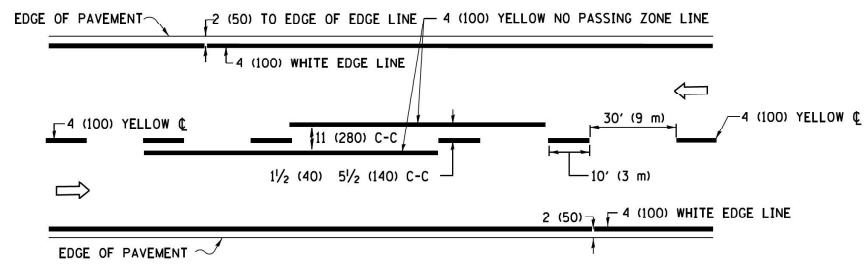
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 REVISED - T. RAMMACHER 01-06-00
 REVISED - C. JUCIUS 09-09-09
 REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

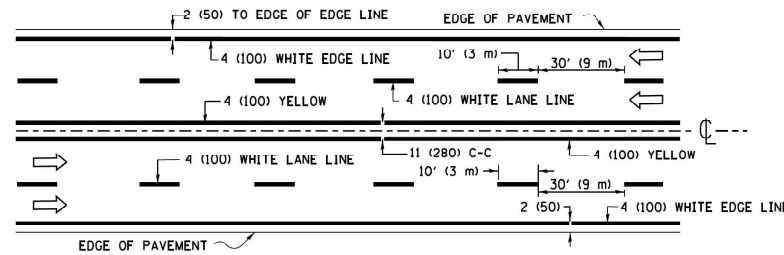
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

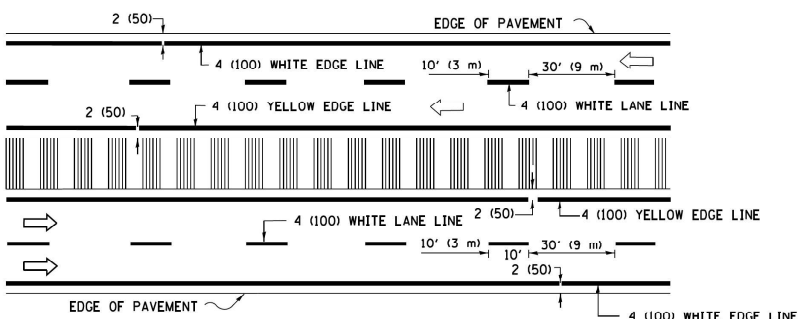
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	65
TC-11		CONTRACT NO. 80B28		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

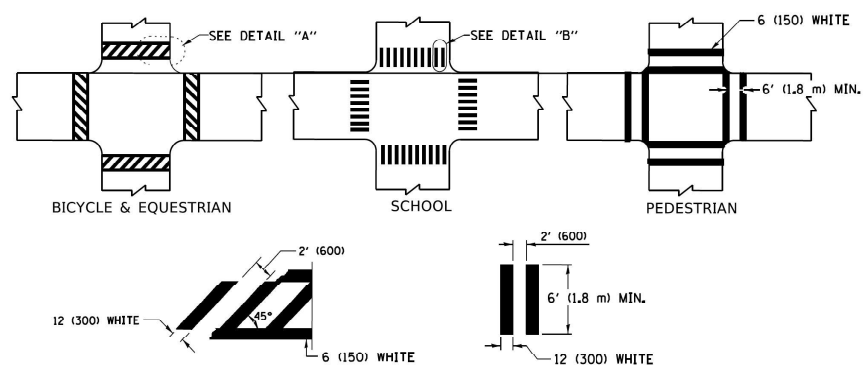


MULTI-LANE UNDIVIDED



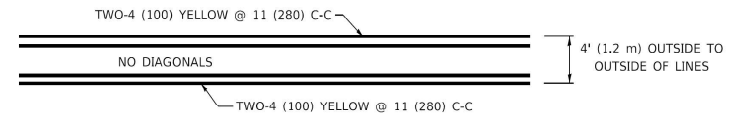
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

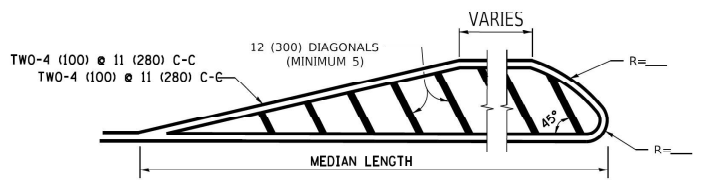


TYPICAL CROSSWALK MARKING

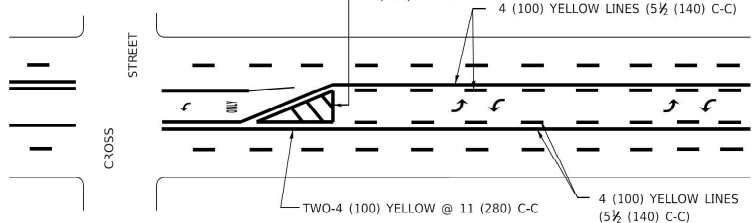
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



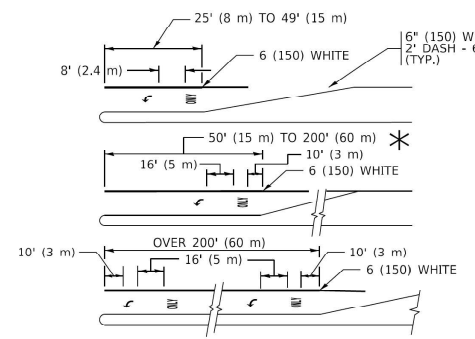
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



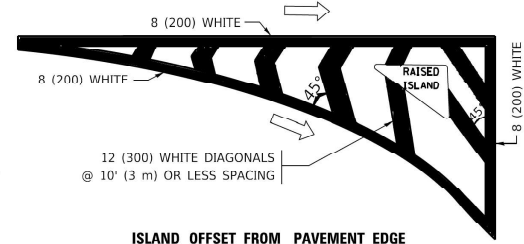
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



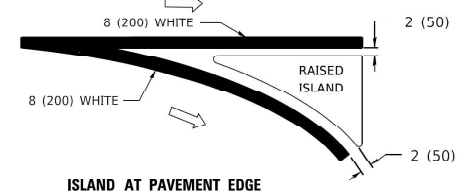
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

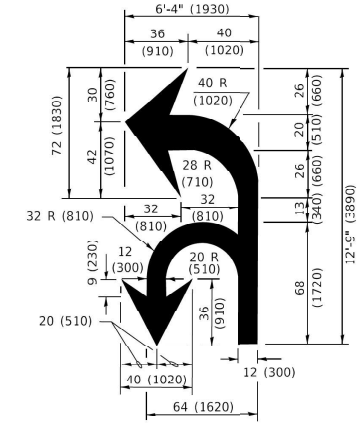
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - *ONLY* INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - *ONLY*.



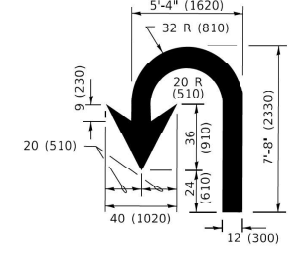
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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" 15 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE TYPICAL PAVEMENT MARKINGS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	COOK	71	66
				TC-13 CONTRACT NO. 80B28		
				ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

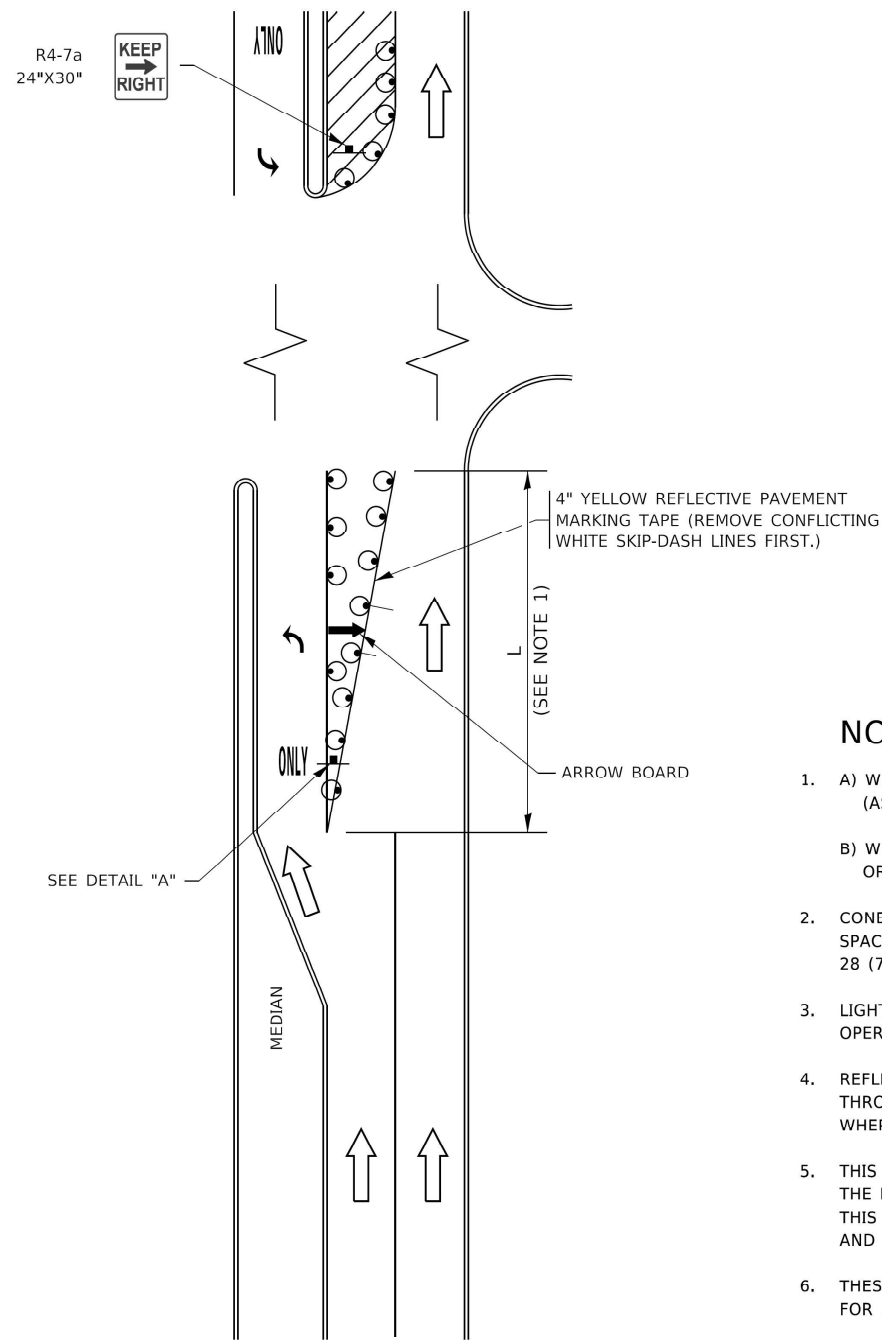


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

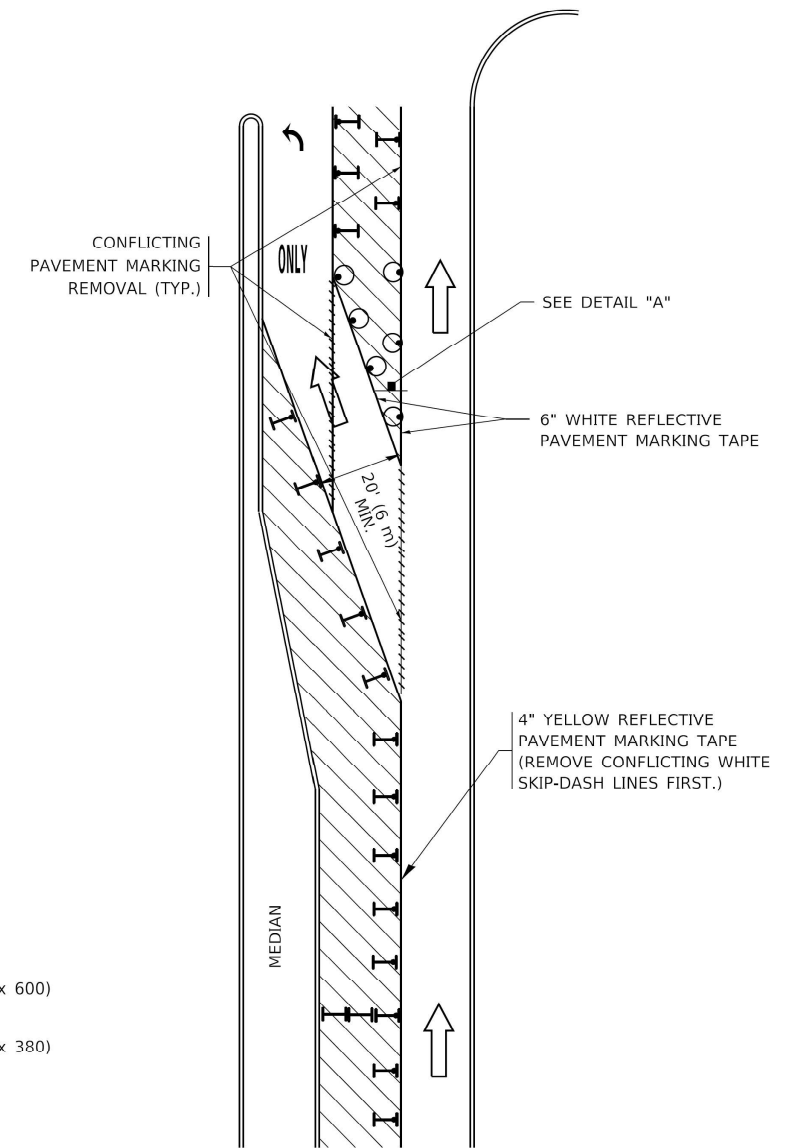


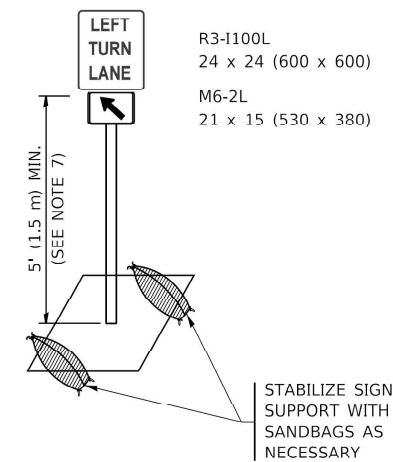
FIGURE 2

LEGEND

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

NOTES:

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



DETAIL A

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

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V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
830 724 9200 phone
www.v3co.com

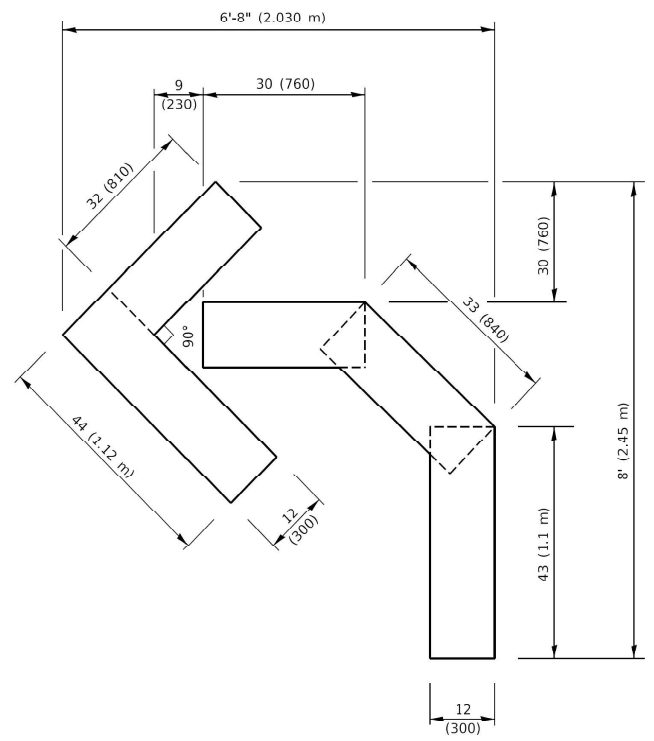
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PLOT DATE = 3/4/2019	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

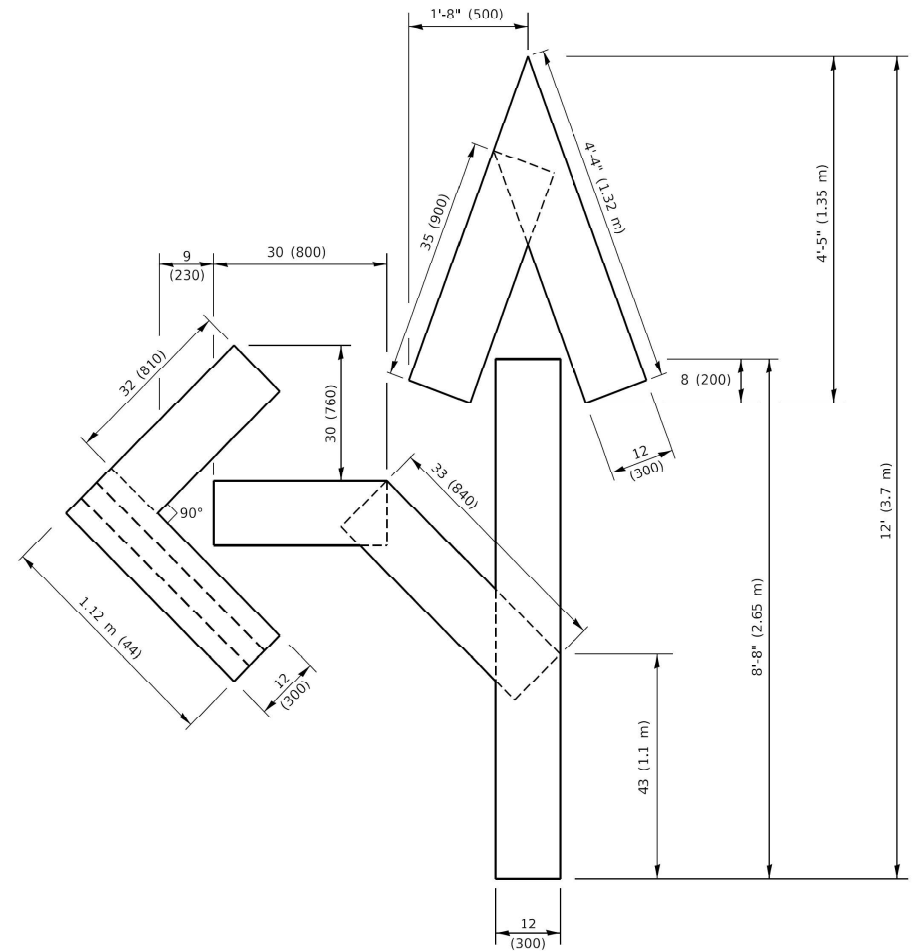
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

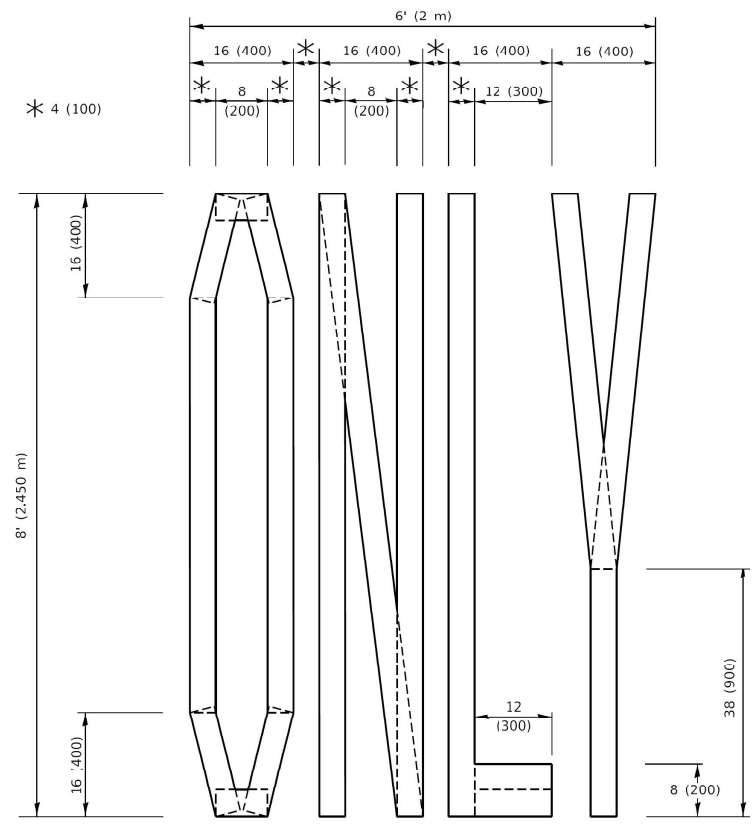
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14	COOK	71	67
ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B28	



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

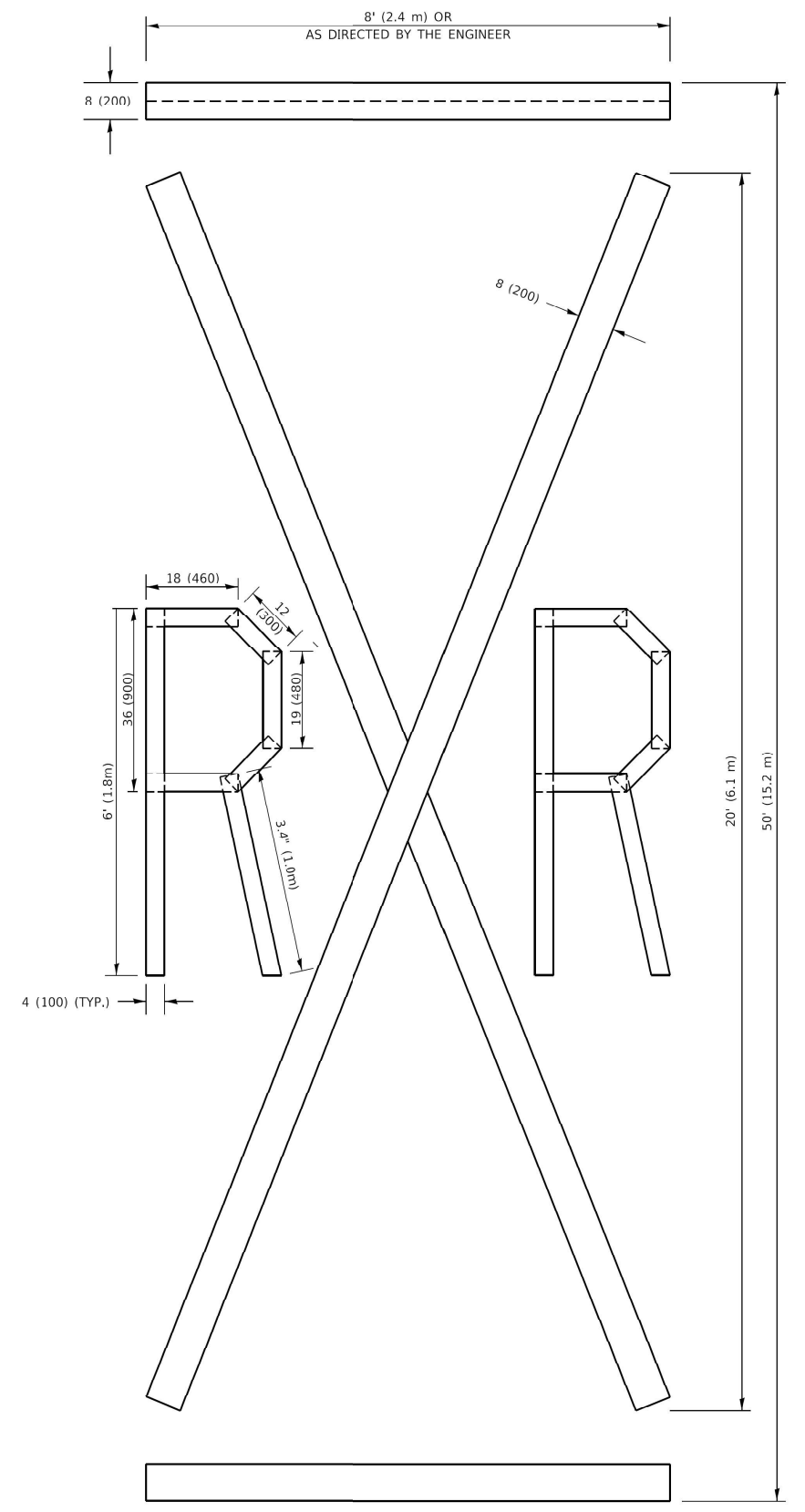


QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)



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

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



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

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

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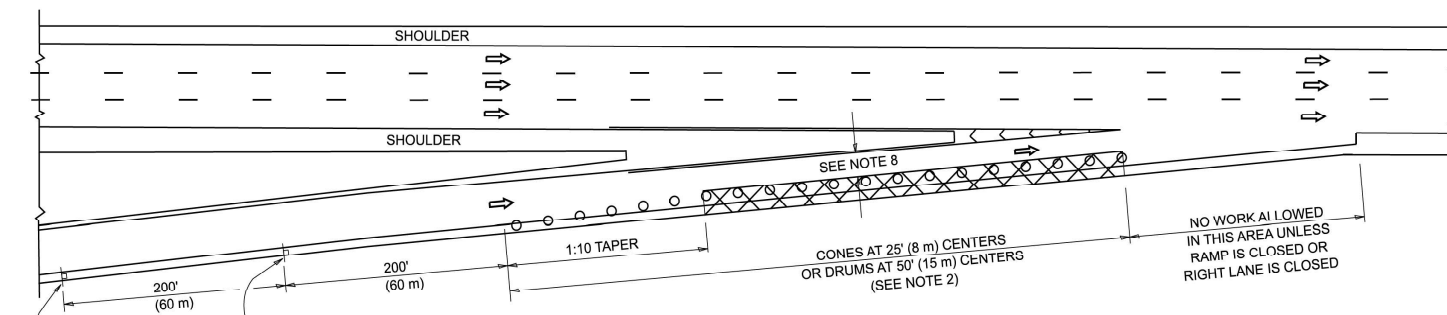
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	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

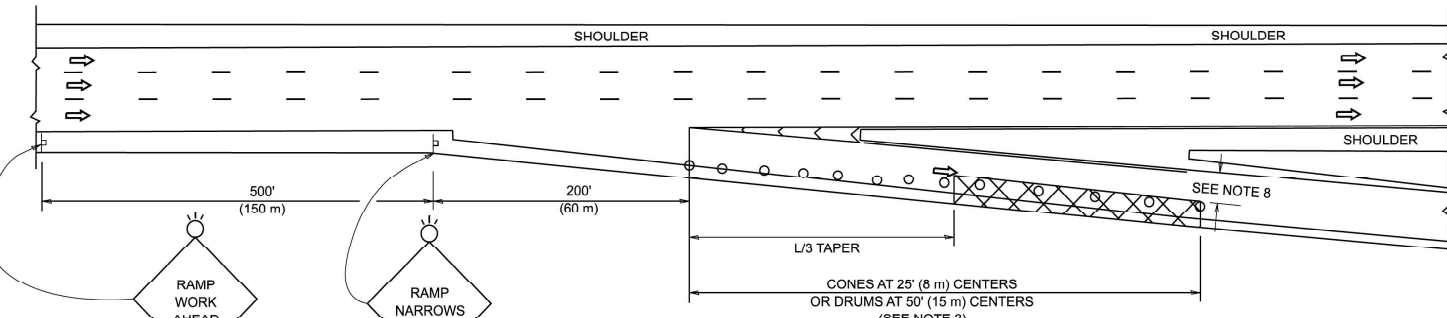
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 80B28	

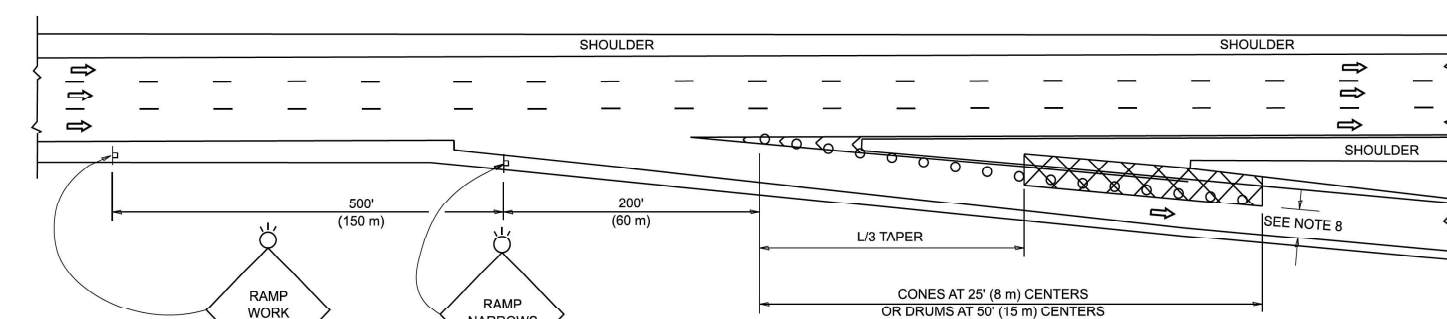
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

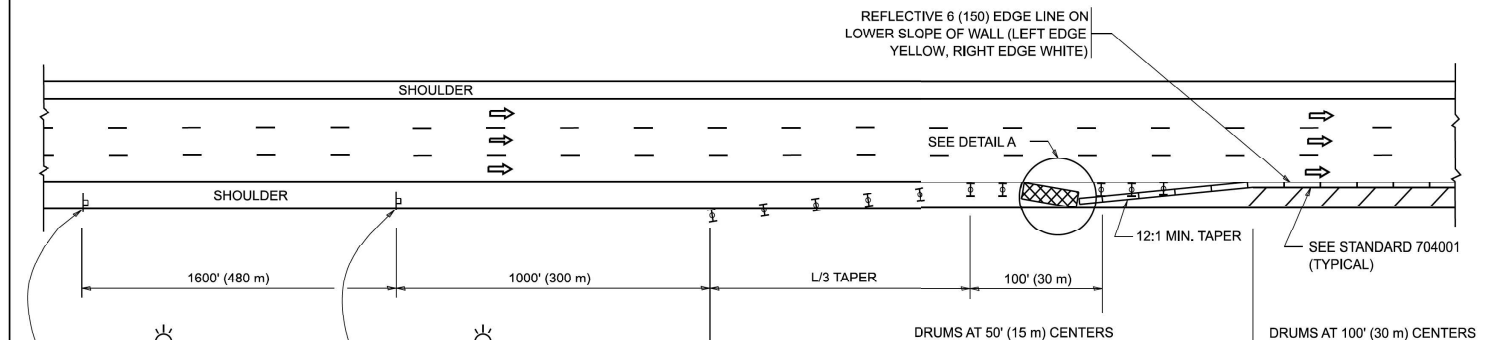
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

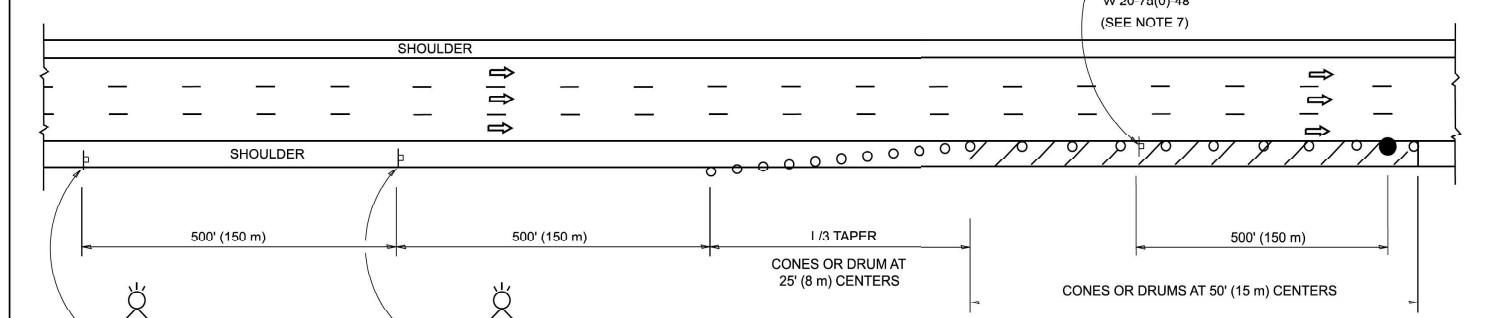
- THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

MODEL: TC-17 (Sheet)
FILE NAME: c:\pwworking\illinois.demanche\15\TC-17.dgn



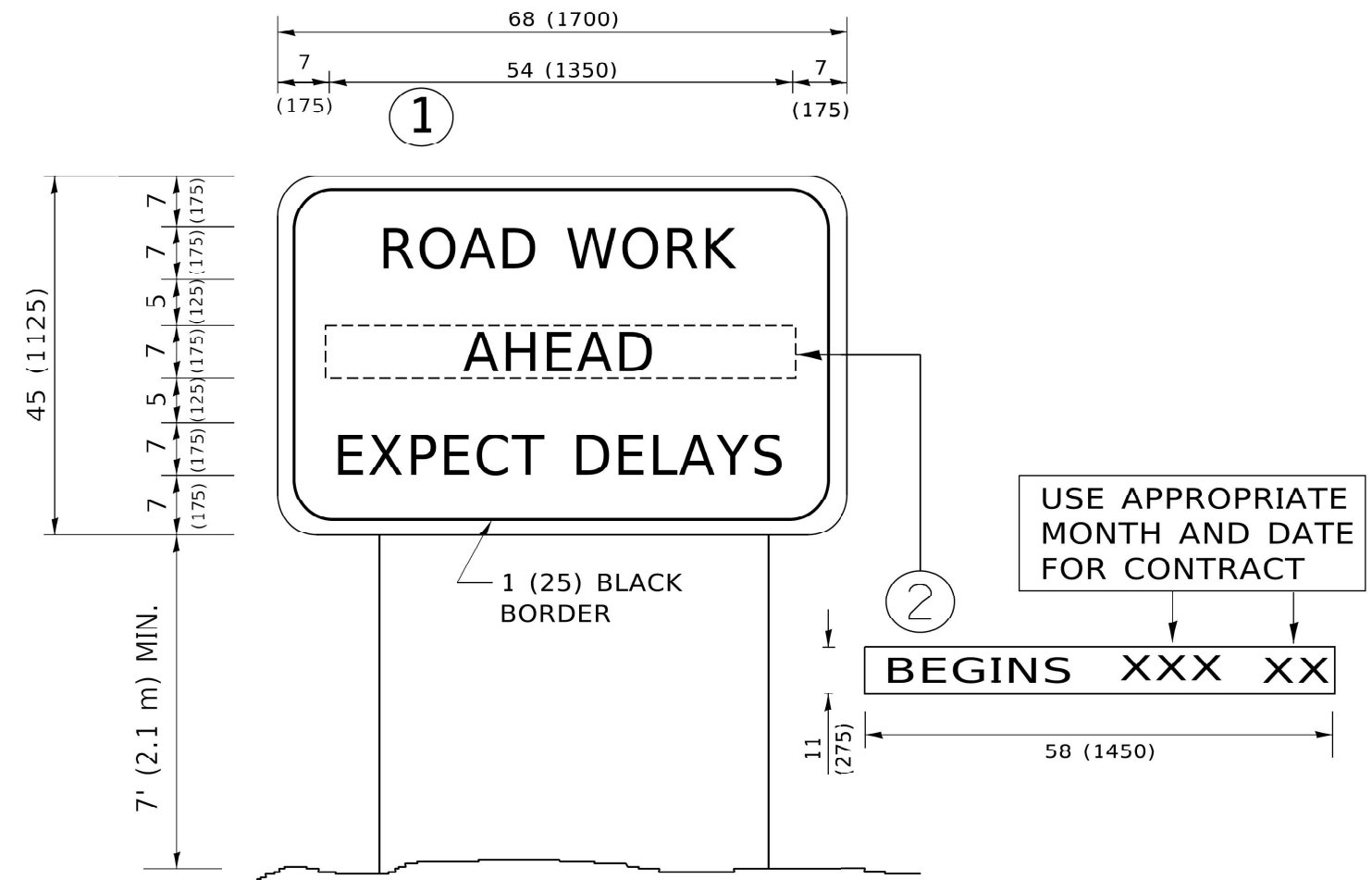
USER NAME = lawrence.demanche	DESIGNED -	REVISED - M.D. 06-13
	DRAWN - D.W.S.	REVISED - M.D. 01-18
PLOT SCALE = 0.08333317"/in.	CHECKED -	REVISED - M.D. 10-20
PLOT DATE = 10/2/2025	DATE - 11-96	REVISED - D.S. 05-25

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-17	COOK	71	69
		CONTRACT NO. 80B28		
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: D:\draft\11084E\BID\ENR\TEC\Illinois\gov\PIV\DOT\Documents\DOT_Offices\District_3\Projects\31515422_314\CAD\Bids\CAD\Sheet\TC22.dgn



USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 50.0000 ' / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	71	70
TC-22			CONTRACT NO. 80B28	
ILLINOIS FED. AID PROJECT				

