

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

**FAU ROUTE 1273: (DUNDEE RD.)
SECTION: 2019-122-RS&SW
I-94 (EDENS EXPWY) TO FORESTWAY DR & AT IL-43 (WAUKEGAN RD.)
PROJECT: STP- 9J5V(819)
SMART OVERLAY, ADA IMPROVEMENTS,
& TRAFFIC SIGNAL MODERNIZATION
COOK COUNTY**

C-91-034-20

R 12E

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	1
		ILLINOIS	CONTRACT NO. 62J64	

* 77 + 2 = 79 TOTAL SHEETS

D-91-254-20



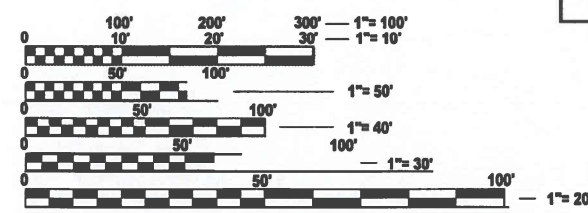
LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED
IN THE VILLAGES OF
GLENCOE & NORTHBROOK

**TRAFFIC DATA:
ADT = 12,600 (2024)
POSTED SPEED LIMIT = 30 - 35 MPH
DESIGNATION = MINOR ARTERIAL**

**RESURFACING & TRAFFIC
SIGNAL MODERNIZATION
STA 21+11 TO 23+32
(IL-68 / IL-43 INTERSECTION)
SPEED LIMIT = 40 MPH**

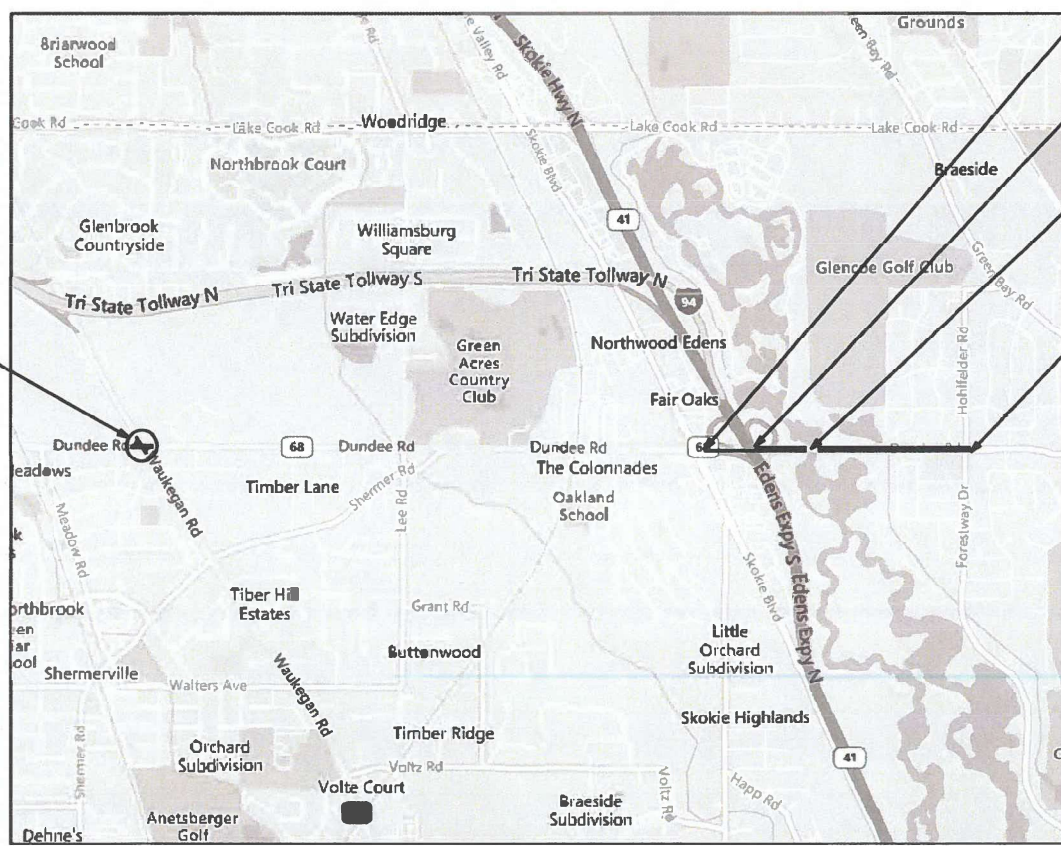


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 62J64



**PROJECT BEGINS
STA 11+00**

**RESURFACING BEGINS
STA 21+16**

**BRIDGE OMISSION
STA 28+85 TO 31+12**

**PROJECT ENDS
STA 56+14**

**GROSS LENGTH = 3,705 FT. = 0.70 MILE
NET LENGTH = 3,478 FT. = 0.66 MILE
OMISSION LENGTH = 227 FT. = 0.04 MILE**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 6 2026
James R. ... REGIONAL ENGINEER

June 26 2026
Scott A. ... ENGINEER OF DESIGN AND ENVIRONMENT

June 26 2026
James ... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

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GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL 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.
- ALL DAMAGE TO EXISTING PAVEMENT MARKERS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
821101-03	LUMINAIRE WIRING IN POLE
830001-03	LIGHT POLE ALUMINUM MAST ARM
830026-01	TEMPORARY ROADWAY LIGHTING
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS & PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
877002-04	STEEL MAST ARM ASSEMBLY & POLE 56' THROUGH 75'
877011-10	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
877012-07	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 56' THROUGH 75'
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS & FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

NOTE:

THIS CONTRACT INCLUDES CLASS D PAVEMENT PATCHING ALONG FAU 2744 (GREEN BAY RD.), N OF SCOTT AVE TO S OF KENILWORTH AVE, WITHIN THE VILLAGES OF WINNETKA & KENILWORTH

GENERAL NOTES

- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF GLENCOE & NORTHBROOK.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/8 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH OR LESS THAN LESS THAN 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH, WITH WRITTEN APPROVAL OF THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- THE RESIDENT ENGINEER SHALL CONTACT BRANDY KENNEDY, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT BRANDY.KENNEDY@ILLINOIS.GOV. A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
- SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
- OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- GRADING AND SHAPING DITCHES LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER
- 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 BEGINNING OF WORK.
- 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
- RE SHALL NOTIFY THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 ONE WEEK PRIOR TO STARTING FORESTRY WORK FOR LAYOUT. LOCATIONS IN THE PLAN SET ARE APPROXIMATE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHEET INDEX, STATE STANDARDS, & GENERAL NOTES
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	2
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



**PATCHING BEGINS
N OF SCOTT AVE**

NOTE
 PATCHING LENGTH = 2.89 MILES
 CLASS D PATCHING LOCATIONS WILL
 BE DETERMINED BY THE ENGINEER

**PATCHING ENDS
S OF KENILWORTH AVE**

USER NAME syed,tzvi PLOT DATE 6/3/2026		DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GREEN BAY RD LOCATION MAP VILLAGES OF WINNETKA & KENILWORTH		F.A.U. RTE. 2744 SECTION 2019-122-RS&SW COUNTY COOK TOTAL SHEETS 77 SHEET NO. 2A CONTRACT NO. 62J64 ILLINOIS FED. AID PROJECT
SCALE:		SHEET 2 OF 2 SHEETS		STA.		TO STA.		

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
20200100	EARTH EXCAVATION	CU YD	59	59					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	254.4	254.4					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	2.3	2.3					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2.3	2.3					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2.3	2.3					
25200110	SODDING, SALT TOLERANT	SQ YD	254.4	254.4					
25200200	SUPPLEMENTAL WATERING	UNIT	1.9	1.9					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8491	8491					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	3949	3949					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	29	29					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	472	472					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	36	36					
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	1850	1850					
42001300	PROTECTIVE COAT	SQ YD	1184.4	1184.4					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2890	2890					
42400800	DEFLECTARI F WARNINGS	SQ FT	121	121					
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	18868	18868					
44000600	SIDEWALK REMOVAL	SQ FT	2890	2890					
44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	365	365					
44003100	MEDIAN REMOVAL	SQ FT	125	125					
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	19	19					
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	157	157					

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	74	74					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	52	52					
60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1					
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	21	21					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	8	8					
60404950	FRAMES AND GRATES, TYPE 24	EACH	3	3					
60406000	FRAMES AND LIDS TYPE 1, OPEN LID	EACH	3	3					
60406100	FRAMES AND LIDS TYPE 1, CLOSED LID	EACH	15	15					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	59	59					
* 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					
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					

* = SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	3
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11562	11562					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1927	1927					
* 70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	406	406					
* 70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	6840	6840					
* 70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	1802	1802					
* 70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	412	412					
* 70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	1661	1661					
* 70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	386	386					
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" MODIFIED URETHANE	FOOT	283	283					
70303160	TEMPORARY PAVEMENT MARKING - LINE 12" - MODIFIED URETHANE	FOOT	67	67					
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	5723	5723					
* 72000100	SIGN PANEL - TYPE 1	SQ FT	27		27				
* 72000200	SIGN PANEL - TYPE 2	SQ FT	55		55				
* 72400205	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1		1				
* 72400210	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1		1				
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	1		1				
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	56		56				

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	4			4			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	406	406					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6840	6840					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1802	1802					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	412	412					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1661	1661					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	386	386					
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	283	283					
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	67	67					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	401	401					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	401	401					
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	923	923					
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3355			3355			
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	61			61			
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	757			757			
* 81400100	HANDHOLE	EACH	8			8			
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4			4			
* 81400300	DOUBLE HANDHOLE	EACH	2			2			
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	700			700			
* 81000230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	600			600			
* 82110015	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION H	EACH	8			8			

* = SPECIALTY ITEM

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PLOT DATE = 5/8/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

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

F.A.U. RTE. 1273	SECTION 2019-122-RS&SW	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 4
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	5			5			
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1			
* 87300010	GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	1			1			
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	11485			11485			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2529			2529			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2976			2976			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3122			3122			
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2459			2459			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4967			4967			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	779			779			
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1436			1436			
* 87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	6			6			
* 87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1			1			
* 87703020	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT.	EACH	2			2			
* 87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1			1			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	36			36			
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	8			8			
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15			15			
* 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	63			63			
* 87900200	DRILL EXISTING HANDHOLE	EACH	15			15			
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8			8			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7			7			

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS			
				80% FED 20% STATE	100% STATE	80% FED 20% STATE			
Code No.	Item	Unit	Total Quantity	0005	0005	0021			
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5			5			
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	5			5			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8			8			
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13			13			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	14			14			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1962			1962			
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1			
* 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2			2			
* 89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	7			7			
* 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2			2			
* 89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1			1			
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	20175			20175			
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	100			100			
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3			3			
* 89502380	REMOVE EXISTING HANDHOLE	EACH	13			13			
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	12			12			
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	387			387			
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	8475			8475			
* X0325922	CELLULAR MODEM	EACH	1			1			
* X1400144	UNINTERRUPTABLE POWER SUPPLY AND CABINET, SPECIAL	EACH	2			2			

* = SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	5
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	GREEN BAY RD COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY		
				80% FED 20% STATE	100% STATE	80% FED 20% STATE	80% FED 20% STATE		
Code No.	Item	Unit	Total Quantity	0005	0005	0021	0005		
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	3			3			
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	8			8			
X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	6.45	6.45					
X4400223	CURB REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	115	115					
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	740	740					
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	1850	1850					
X4403800	MEDIAN SURFACE REMOVAL	SQ FT	251	251					
X4421003	PARTIAL DEPTH PATCHING (SPECIAL)	EACH	20	20					
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	435		435				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	20	20					
X6061311	CONCRETE MEDIAN SURFACE, 5 INCH	SQ FT	251	251					
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	257	257					
* X7230100	INSTALL SIGN PANEL - TYPE 1	SQ FT	20			20			
* X7290006	TUBULAR TRAFFIC SIGN POST	EACH	5			5			
* X8000003	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12			12			
* X8211008	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4			4			
* X8250091	COMBINATION LIGHTING CONTROLLER	EACH	2			2			
* X8420104	REMOVAL OF LUMINAIRE, SALVAGE, ROADWAY	EACH	8			8			
* X8440102	RELOCATE EXISTING LUMINAIRE	EACH	4			4			
* X8570215	FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1			1			

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES				TYPE CODE					
				IL-68 COOK	IL-68 COOK	IL-68 COOK	GREEN BAY RD COOK	IL-68 COOK	IL-68 COOK
				ROADWAY	ROADWAY	TRAFFIC SIGNALS	ROADWAY		
				80% FED 20% STATE	100% STATE	80% FED 20% STATE	80% FED 20% STATE		
Code No.	Item	Unit	Total Quantity	0005	0005	0021	0005		
* X8570227	FULL-ACTUATED CONTROLLER AND TYPE IV STRETCHED CABINET (SPECIAL)	EACH	1			1			
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	11560			11560			
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	18			18			
* X8772115	TEMPORARY MAST ARM, ALUMINUM, 15FT	EACH	8			8			
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	32			32			
* X8809005	LED SIGNAL FACE, LENS COVER	EACH	21			21			
* X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1			1			
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	29		29				
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	8			8			
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	3			3			
X4420815	CLASS D PATCHES, TYPE II, 14 INCH (SPECIAL)	SQ YD	433				433		
X4420819	CLASS D PATCHES, TYPE III, 14 INCH (SPECIAL)	SQ YD	2027				2027		
X4420821	CLASS D PATCHES, TYPE IV, 14 INCH (SPECIAL)	SQ YD	1216				1216		

* = SPECIALTY ITEM

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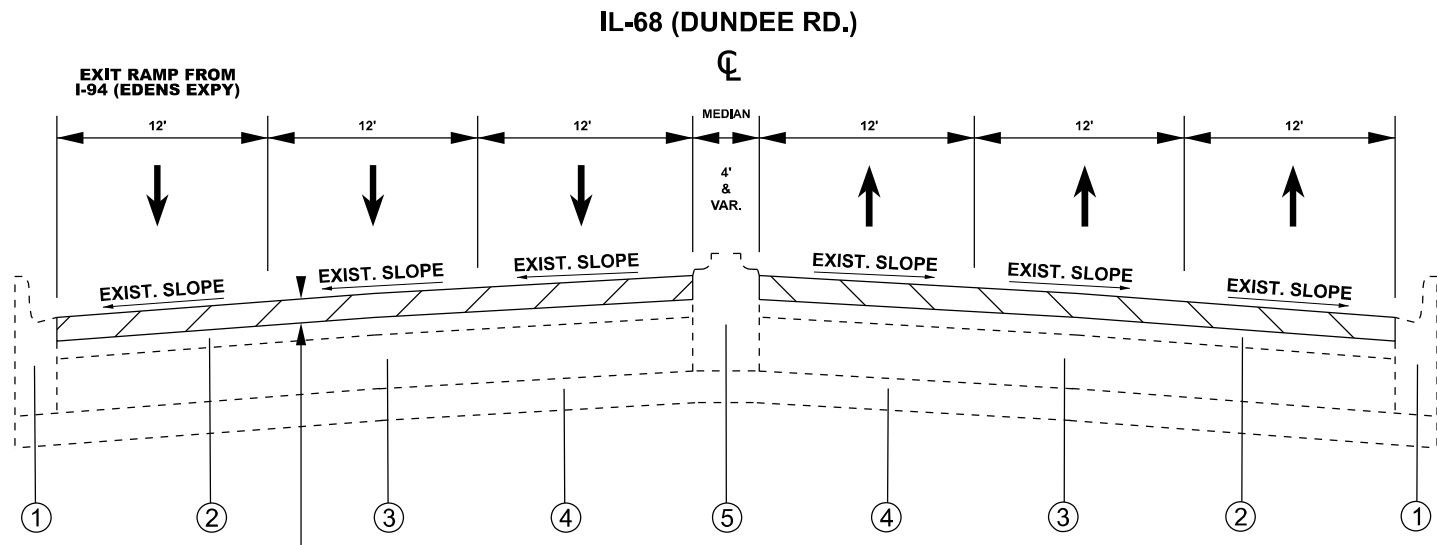
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	6
CONTRACT NO. 62J64				
ILLINOIS FED AID PROJECT				

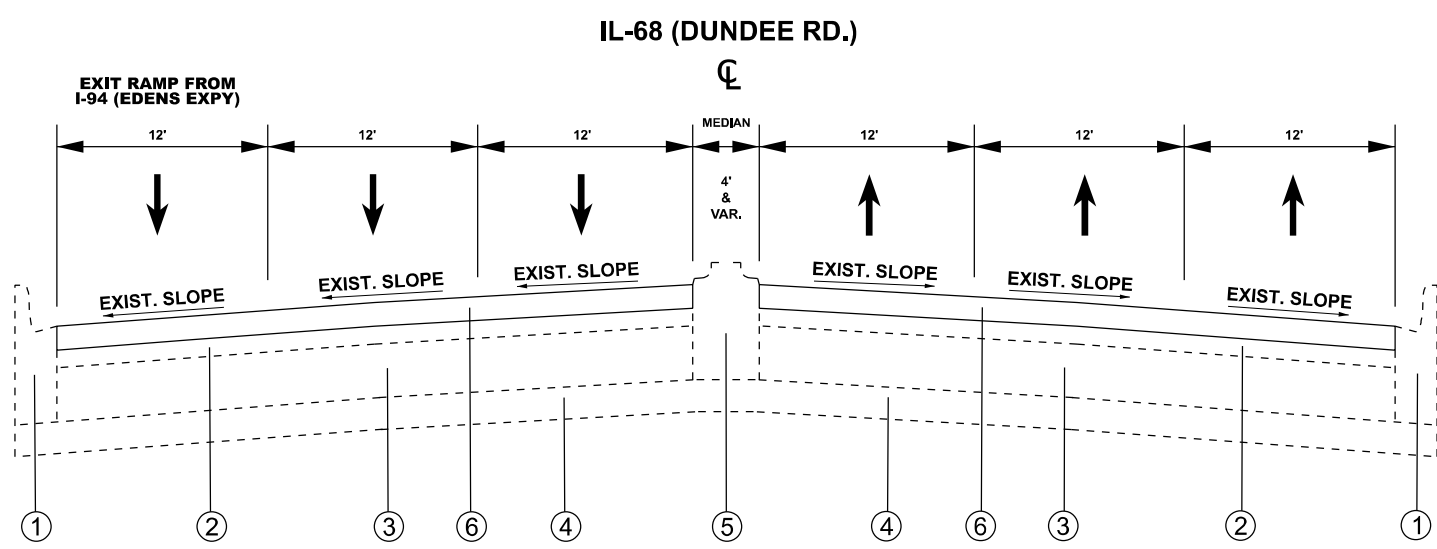
LEGEND	
①	CONCRETE CURB & GUTTER, TYPE B-6.12
②	HOT-MIX ASPHALT SURFACE, 3"
③	PCC PAVEMENT, 10"
④	STABILIZED SUB-BASE, 4"
⑤	CONCRETE BARRIER MEDIAN
⑥	PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1¾"



EXISTING TYPICAL SECTION
STATION: 21+16 TO 26+58

LOCATION	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
	MIXTURE TYPE	AIR VOIDS @ Ndesign	
GREEN BAY RD.	CLASS D PATCHING (SPECIAL)		
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 2"	4% @ 70 GYR	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 12"	4% @ 70 GYR	QC/QA
	PAVEMENT RESURFACING		
IL-68	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1¾"	3.5% @ 80 GYR	QCP
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)			

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



PROPOSED TYPICAL SECTION
STATION: 21+16 TO 26+58

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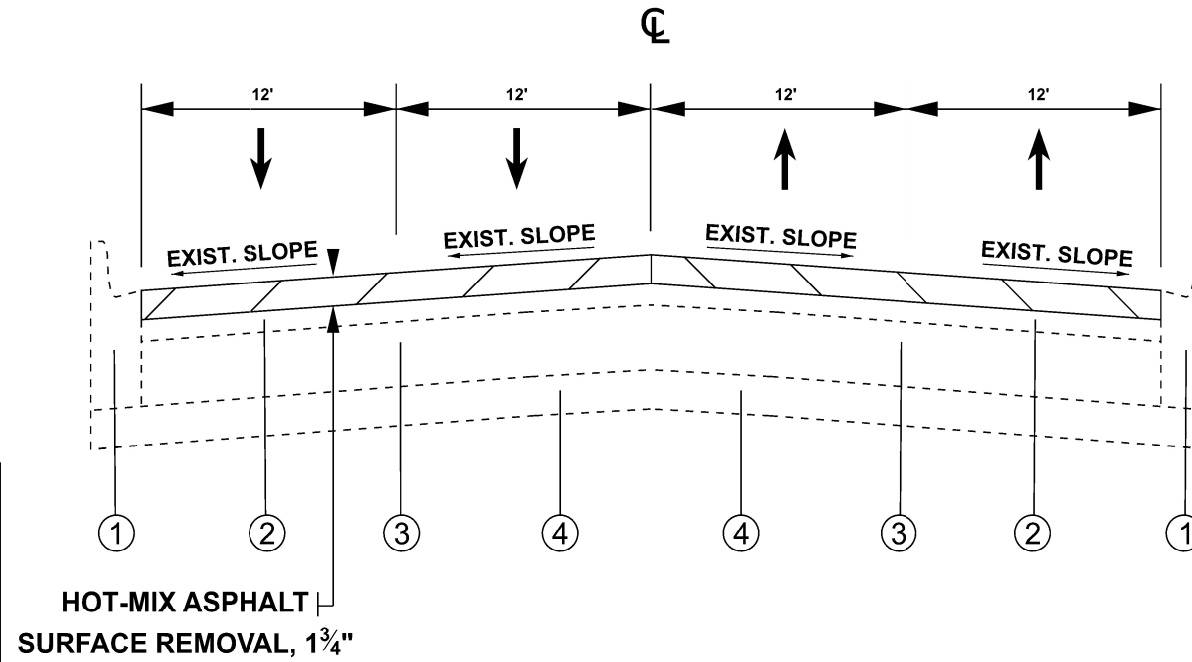
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

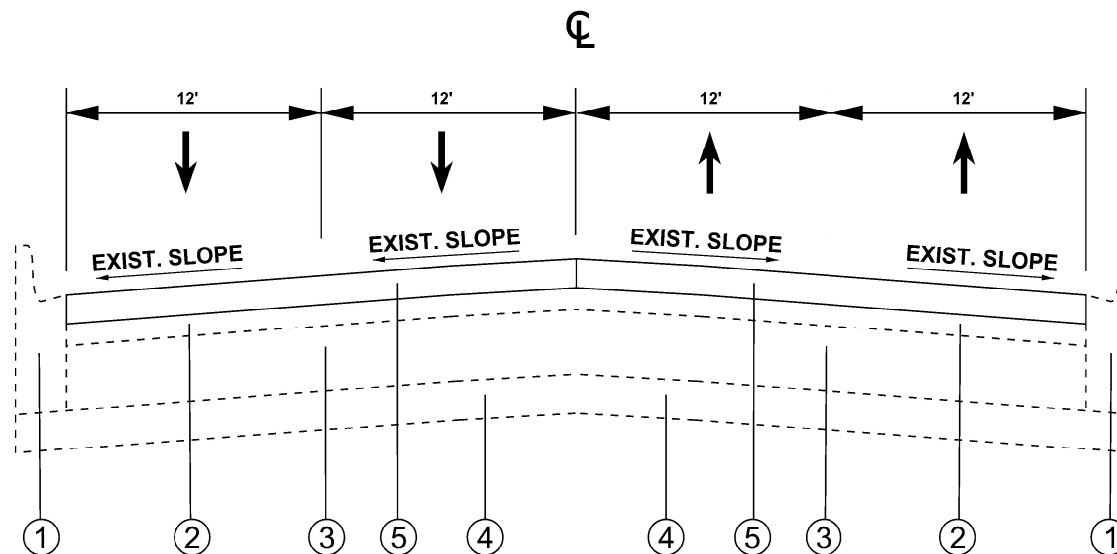
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1273	2019-122-RS&SW	COOK	77	7
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

IL-68 (DUNDEE RD.)



EXISTING TYPICAL SECTION
STATION: 26+58 TO 33+00

IL-68 (DUNDEE RD.)



PROPOSED TYPICAL SECTION
STATION: 26+58 TO 33+00

LEGEND

- ① CONCRETE CURB & GUTTER, TYPE B-6.12
- ② HOT-MIX ASPHALT SURFACE, 3"
- ③ PCC PAVEMENT, 10"
- ④ STABILIZED SUB-BASE, 4"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

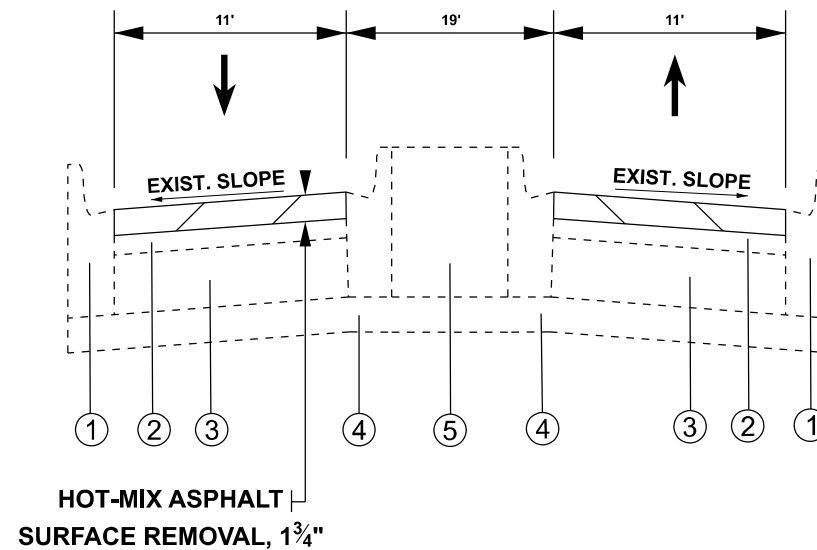
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	8
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

IL-68 (DUNDEE RD.)



MEDIAN / LEFT TURN BAY



EXISTING TYPICAL SECTION

STATION: 33+00 TO 56+14

**** NO MEDIAN OR LEFT-TURN BAY
STA: 33+00 TO 34+00 ****

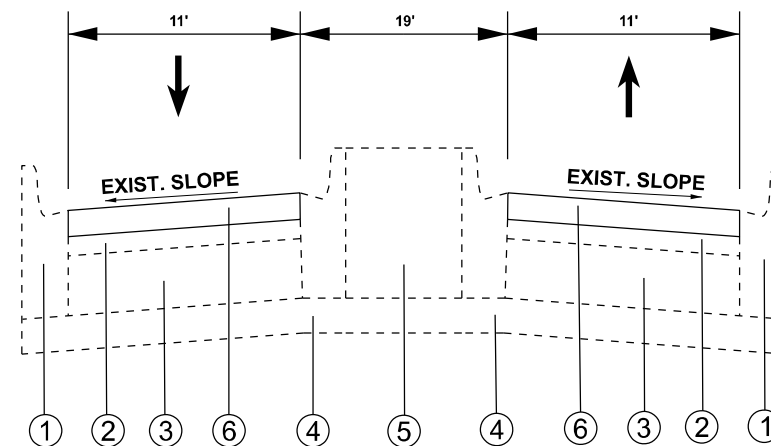
LEGEND

- ① CONCRETE CURB & GUTTER, TYPE B-6.12
- ② HOT-MIX ASPHALT SURFACE, 3"
- ③ PCC PAVEMENT, 10"
- ④ STABILIZED SUB-BASE, 4"
- ⑤ CONCRETE BARRIER MEDIAN
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"

IL-68 (DUNDEE RD.)



MEDIAN / LEFT TURN LANE



PROPOSED TYPICAL SECTION

STATION: 33+00 TO 56+14

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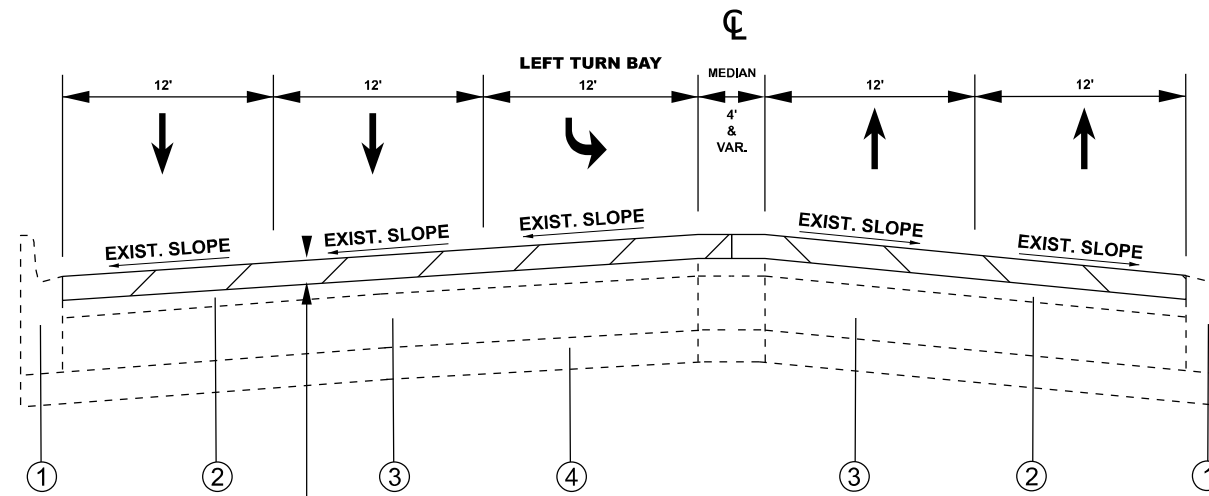
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	9
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

IL-68 (DUNDEE RD.)



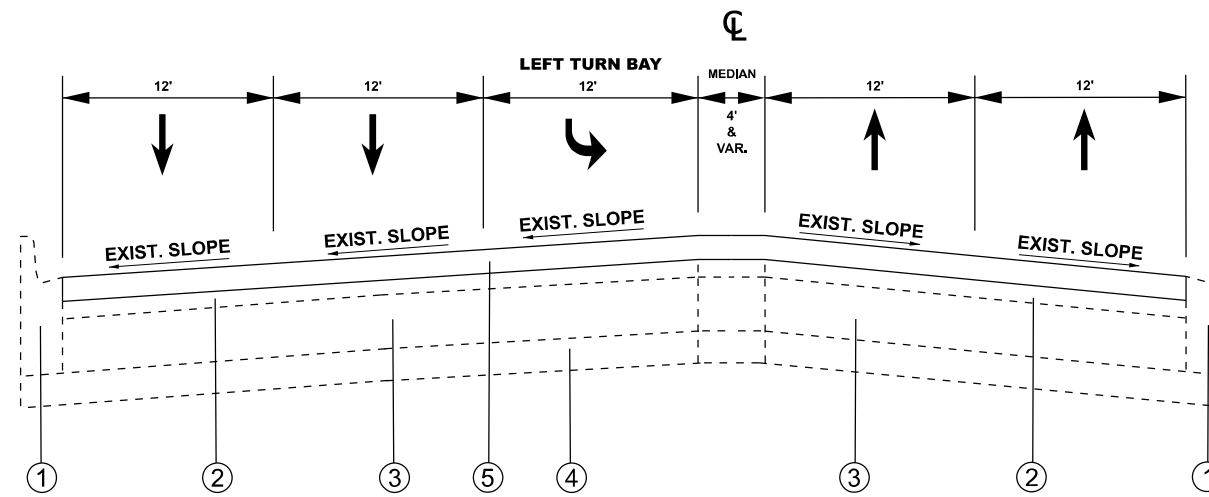
HOT-MIX ASPHALT
SURFACE REMOVAL, 1 3/4"

EXISTING TYPICAL SECTION
STATION: 21+11 TO 23+32
(IL-68 / IL-43 INTERSECTION ONLY)

LEGEND

- ① CONCRETE CURB & GUTTER, TYPE B-6.12
- ② HOT-MIX ASPHALT SURFACE, 3"
- ③ PCC PAVEMENT, 10"
- ④ STABILIZED SUB-BASE, 4"
- ⑤ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1 3/4"

IL-68 (DUNDEE RD.)



PROPOSED TYPICAL SECTION
STATION: 21+11 TO 23+32
(IL-68 / IL-43 INTERSECTION ONLY)

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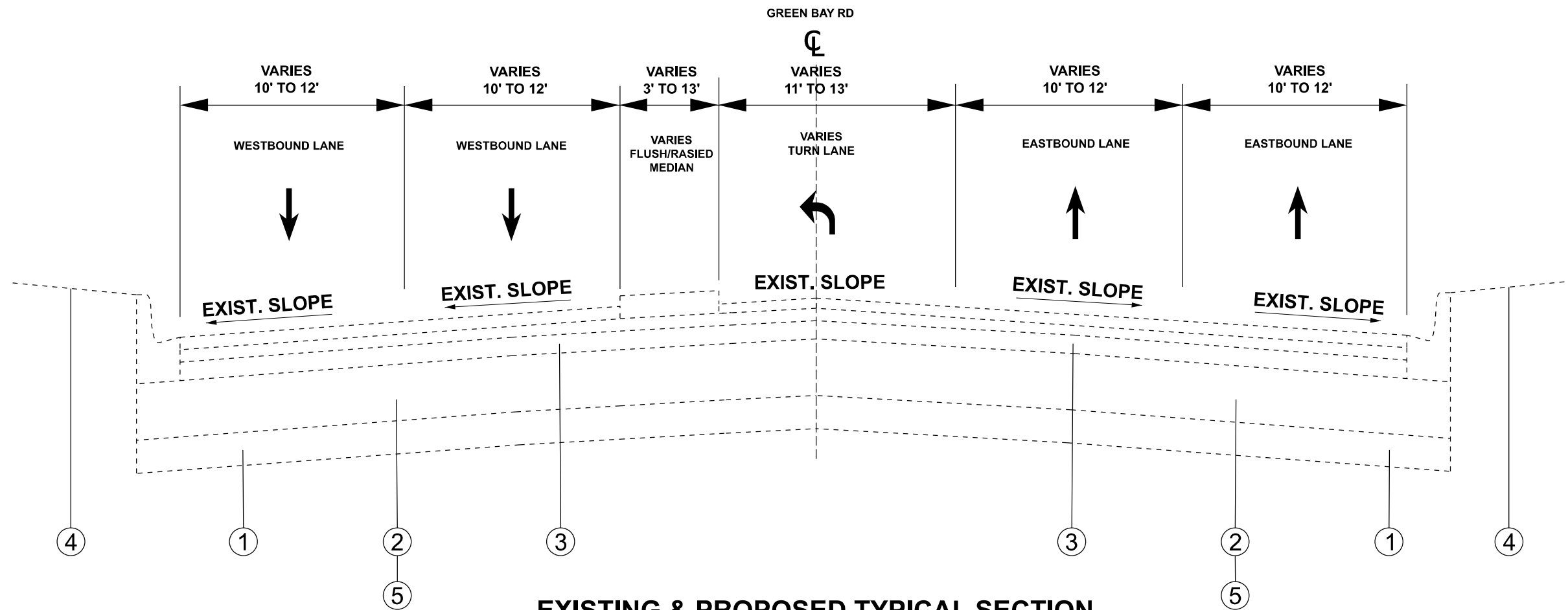
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	10
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



**EXISTING & PROPOSED TYPICAL SECTION
GREEN BAY RD (SCOTT AVE TO KENILWORTH AVE)**

LEGEND

- ① **EXIST. GRANULAR SUB BASE**
- ② **EXIST. PCC PAVEMENT
(VARIES: ±10")**
- ③ **EXIST. HOT-MIX ASPHALT SURFACE
(VARIES: ±4")**
- ④ **EXIST. GROUND**
- ⑤ **PROP. CLASS D PATCHES
(LOCATIONS DETERMINED BY THE ENGINEER)**

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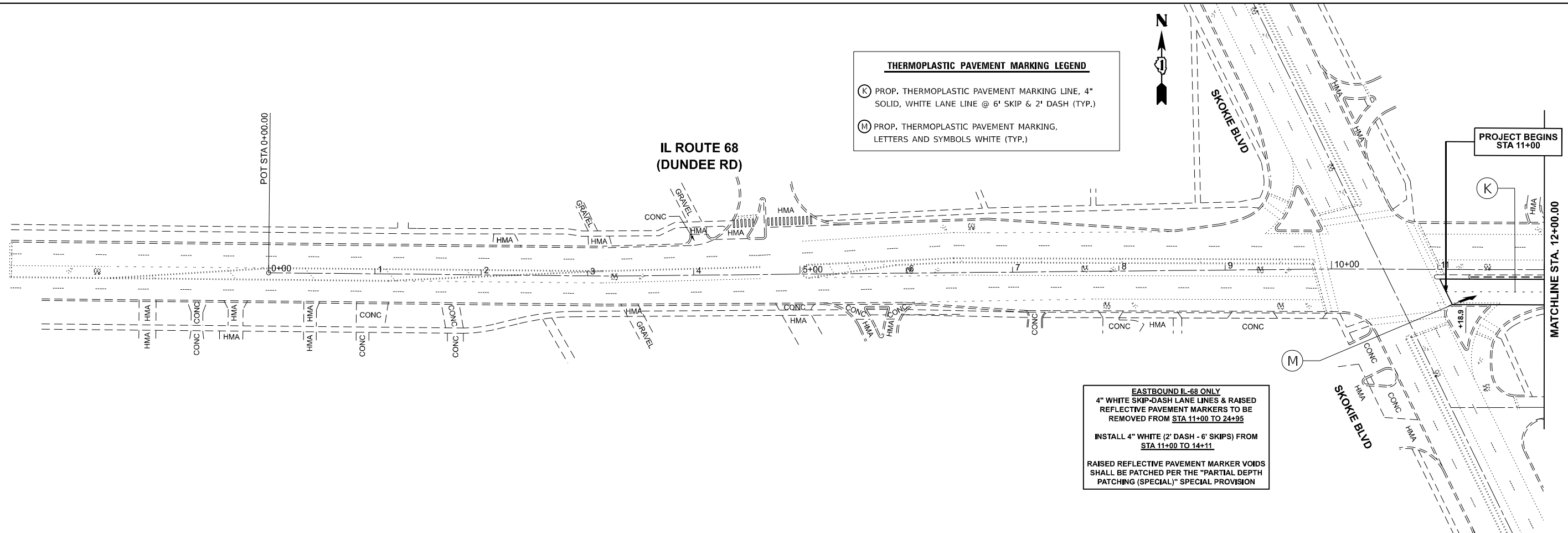
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION
GREEN BAY RD (SCOTT AVE TO KENILWORTH AVE)**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	10A
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

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THERMOPLASTIC PAVEMENT MARKING LEGEND

(K) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID, WHITE LANE LINE @ 6' SKIP & 2' DASH (TYP.)

(M) PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)

EASTBOUND IL-68 ONLY
 4" WHITE SKIP-DASH LANE LINES & RAISED REFLECTIVE PAVEMENT MARKERS TO BE REMOVED FROM STA 11+00 TO 24+95

INSTALL 4" WHITE (2' DASH - 6' SKIPS) FROM STA 11+00 TO 14+11

RAISED REFLECTIVE PAVEMENT MARKER VOIDS SHALL BE PATCHED PER THE "PARTIAL DEPTH PATCHING (SPECIAL)" SPECIAL PROVISION

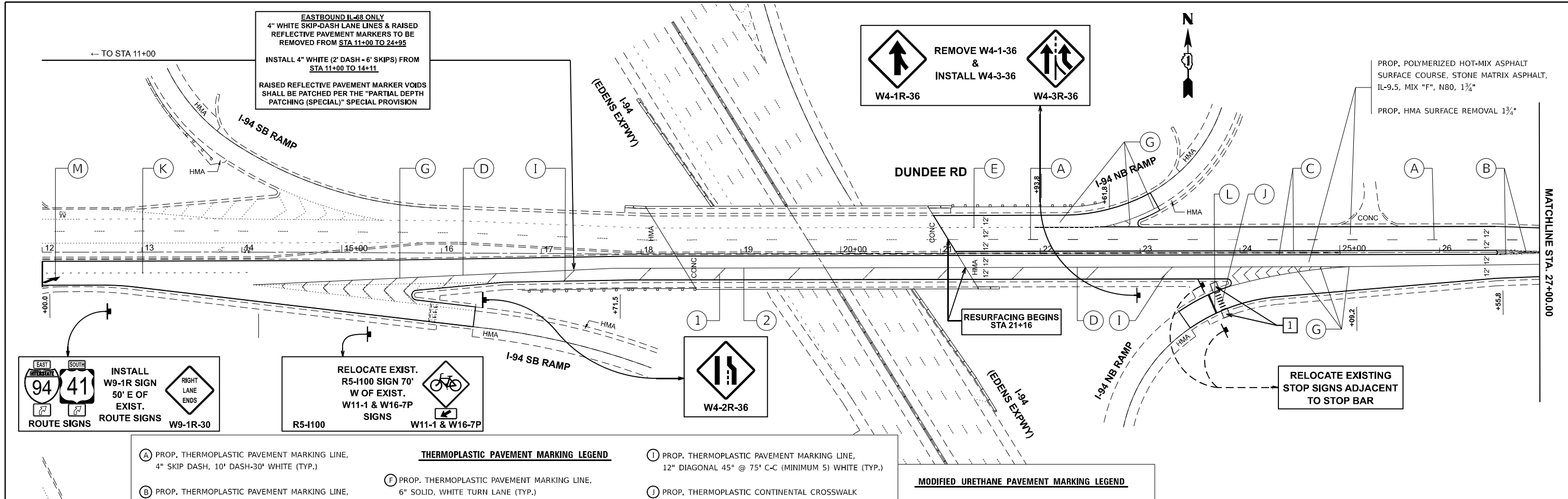
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

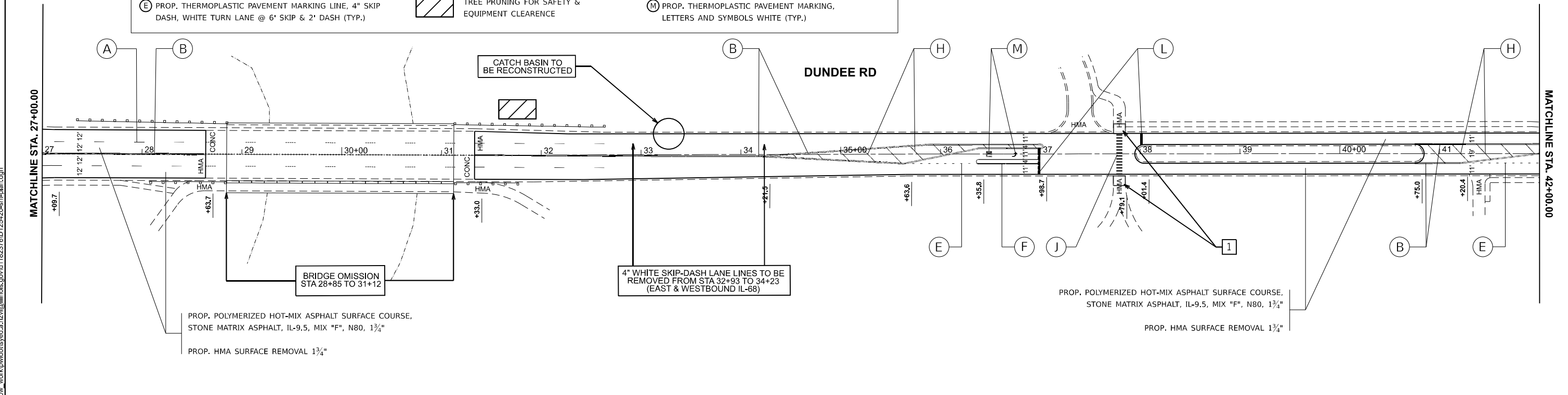
**ROADWAY PLAN
 DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)**

SCALE: 1"=50' SHEET 1 OF 4 SHEETS STA. -3+00.00 TO STA. 12+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	11
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



- THERMOPLASTIC PAVEMENT MARKING LEGEND**
- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10" DASH-30" WHITE (TYP.)
 - (B) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
 - (C) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)
 - (D) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)
 - (E) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)
 - (F) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)
 - (G) PROP. THERMOPLASTIC GORE MARKING AND CHANNELIZING LINES, 8" SOLID WITH 12" DIAGONALS, WHITE (TYP.)
 - (H) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 25' C-C (MINIMUM 5) YELLOW (TYP.)
 - (I) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) WHITE (TYP.)
 - (J) PROP. THERMOPLASTIC CONTINENTAL CROSSWALK MARKING LINE, 12" LINE WHITE (TYP.)
 - (K) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID, WHITE LANE LINE @ 6' SKIP & 2' DASH (TYP.)
 - (L) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
 - (M) PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
- MODIFIED URETHANE PAVEMENT MARKING LEGEND**
- (1) PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) WHITE (TYP.)
 - (2) PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)
- PROPOSED ADA WORK LEGEND**
- (1) PROP. ADA SIDEWALK IMPROVEMENT SEE PROP. ADA RAMP DESIGN
- TREE PRUNING FOR SAFETY & EQUIPMENT CLEARANCE**



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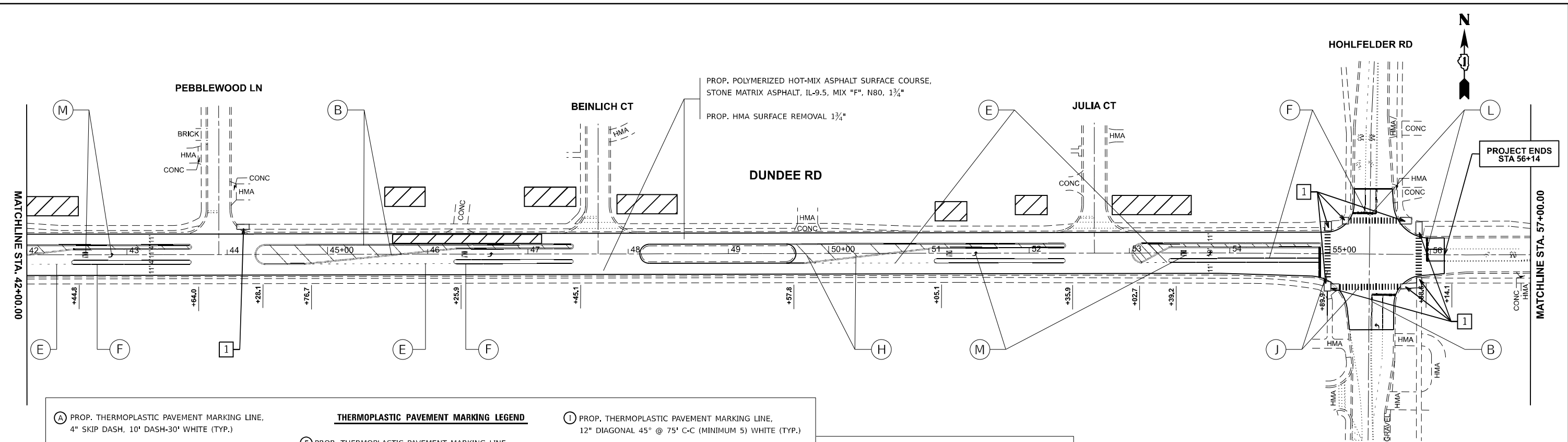
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PLOT DATE = 5/5/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)			
SCALE: 1"=50'	SHEET 2	OF 4 SHEETS	STA. 12+00.00 TO STA. 42+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	12
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

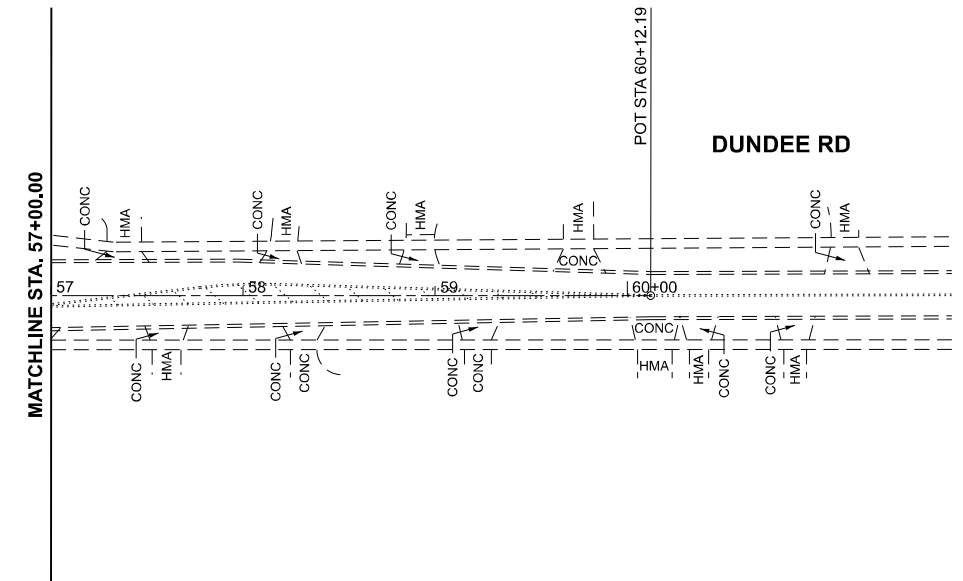
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- THERMOPLASTIC PAVEMENT MARKING LEGEND**
- (A) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)
 - (B) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
 - (C) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)
 - (D) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)
 - (E) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)
 - (F) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)
 - (G) PROP. THERMOPLASTIC GORE MARKING AND CHANNELIZING LINES, 8" SOLID WITH 12" DIAGONALS, WHITE (TYP.)
 - (H) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 25' C-C (MINIMUM 5) YELLOW (TYP.)
 - (I) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) WHITE (TYP.)
 - (J) PROP. THERMOPLASTIC CONTINENTAL CROSSWALK MARKING LINE, 12" LINE WHITE (TYP.)
 - (K) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SOLID, WHITE LANE LINE @ 6' SKIP & 2' DASH (TYP.)
 - (L) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
 - (M) PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
- Tree Pruning for Safety & Equipment Clearance

- MODIFIED URETHANE PAVEMENT MARKING LEGEND**
- (1) PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 75' C-C (MINIMUM 5) WHITE (TYP.)
 - (2) PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.)

- PROPOSED ADA WORK LEGEND**
- (1) PROP. ADA SIDEWALK IMPROVEMENT SEE PROP. ADA RAMP DESIGN



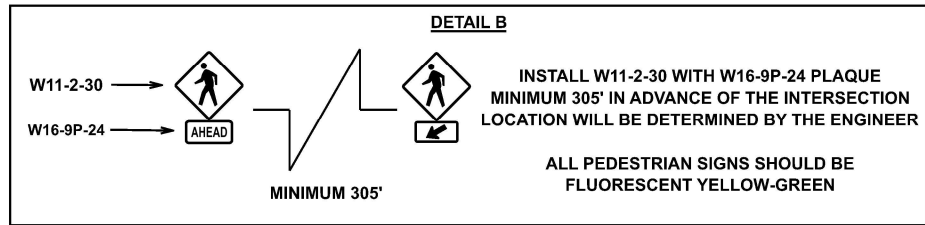
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PLOT DATE = 5/5/2026	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)**

SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 42+00.00 TO STA. 72+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	13
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



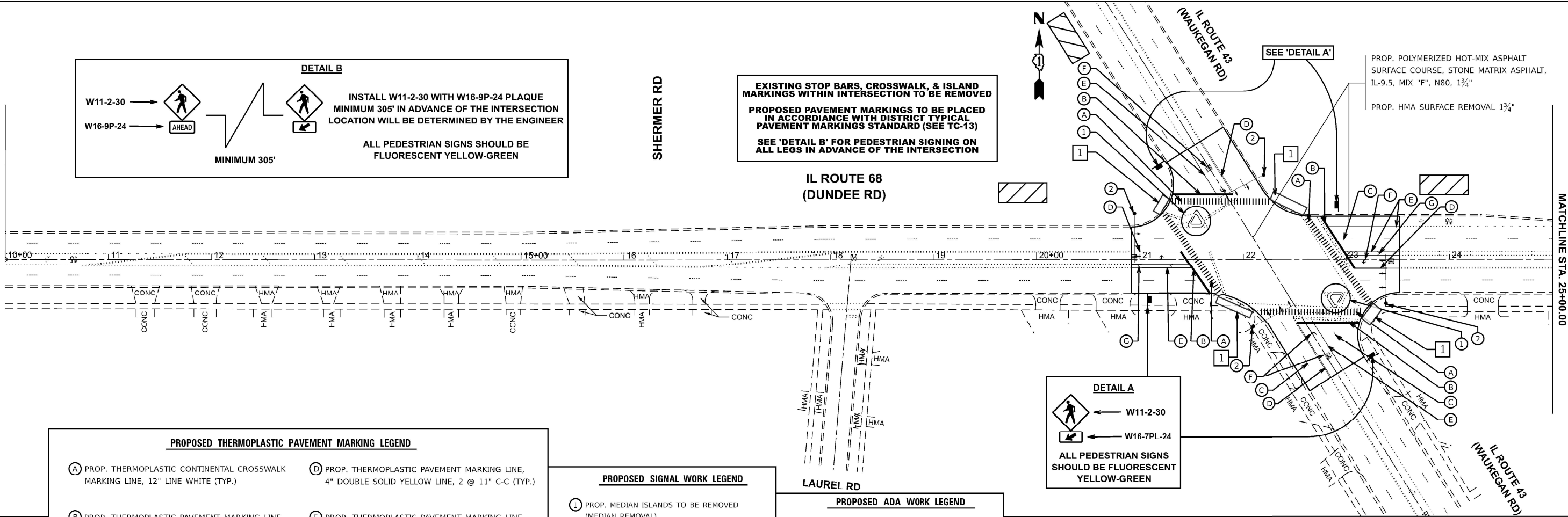
EXISTING STOP BARS, CROSSWALK, & ISLAND MARKINGS WITHIN INTERSECTION TO BE REMOVED

PROPOSED PAVEMENT MARKINGS TO BE PLACED IN ACCORDANCE WITH DISTRICT TYPICAL PAVEMENT MARKINGS STANDARD (SEE TC-13)

SEE 'DETAIL B' FOR PEDESTRIAN SIGNING ON ALL LEGS IN ADVANCE OF THE INTERSECTION

PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, IL-9.5, MIX "F", N80, 1 3/4"

PROP. HMA SURFACE REMOVAL 1 3/4"



PROPOSED THERMOPLASTIC PAVEMENT MARKING LEGEND

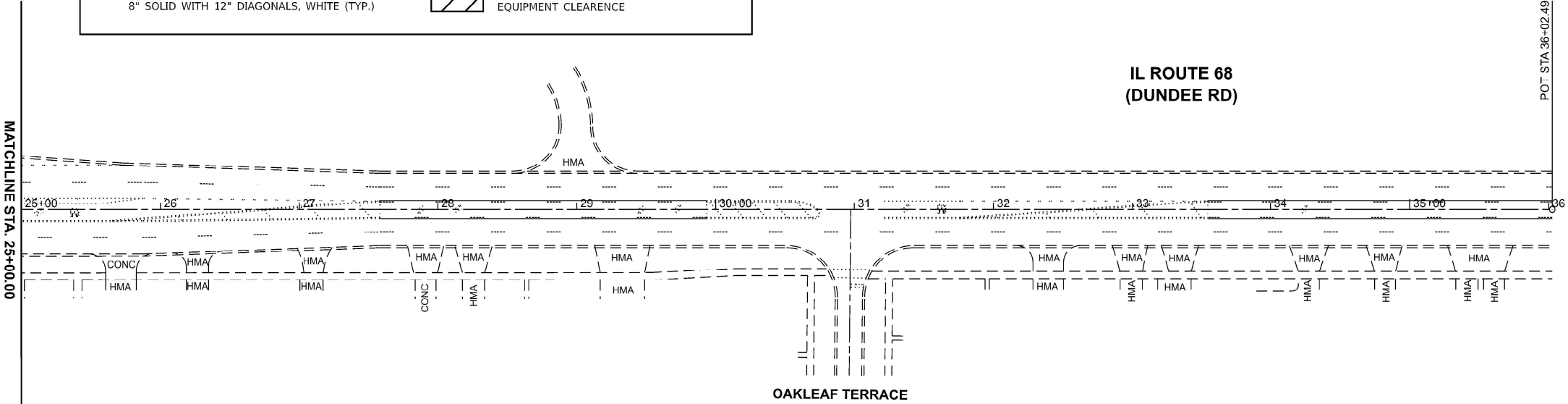
(A) PROP. THERMOPLASTIC CONTINENTAL CROSSWALK MARKING LINE, 12" LINE WHITE (TYP.)	(D) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
(B) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)	(E) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 6" SOLID, WHITE TURN LANE (TYP.)
(C) PROP. THERMOPLASTIC PAVEMENT MARKING LINE, 4" SKIP DASH, 10' DASH-30' WHITE (TYP.)	(F) PROP. THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
(G) PROP. THERMOPLASTIC GORE MARKING LINES, 8" SOLID WITH 12" DIAGONALS, WHITE (TYP.)	(Hatched) TREE PRUNING FOR SAFETY & EQUIPMENT CLEARANCE

PROPOSED SIGNAL WORK LEGEND

(1) PROP. MEDIAN ISLANDS TO BE REMOVED (MEDIAN REMOVAL)
(2) PROP. TRAFFIC SIGNAL & MAST ARM

PROPOSED ADA WORK LEGEND

(1) PROP. ADA SIDEWALK IMPROVEMENT SEE PROP. ADA RAMP DESIGN
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PLOT DATE = 5/8/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
IL ROUTE 68 (DUNDEE RD) AT IL ROUTE 43 (WAUKEGAN RD)**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 10+00.00 TO STA. 40+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	14
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



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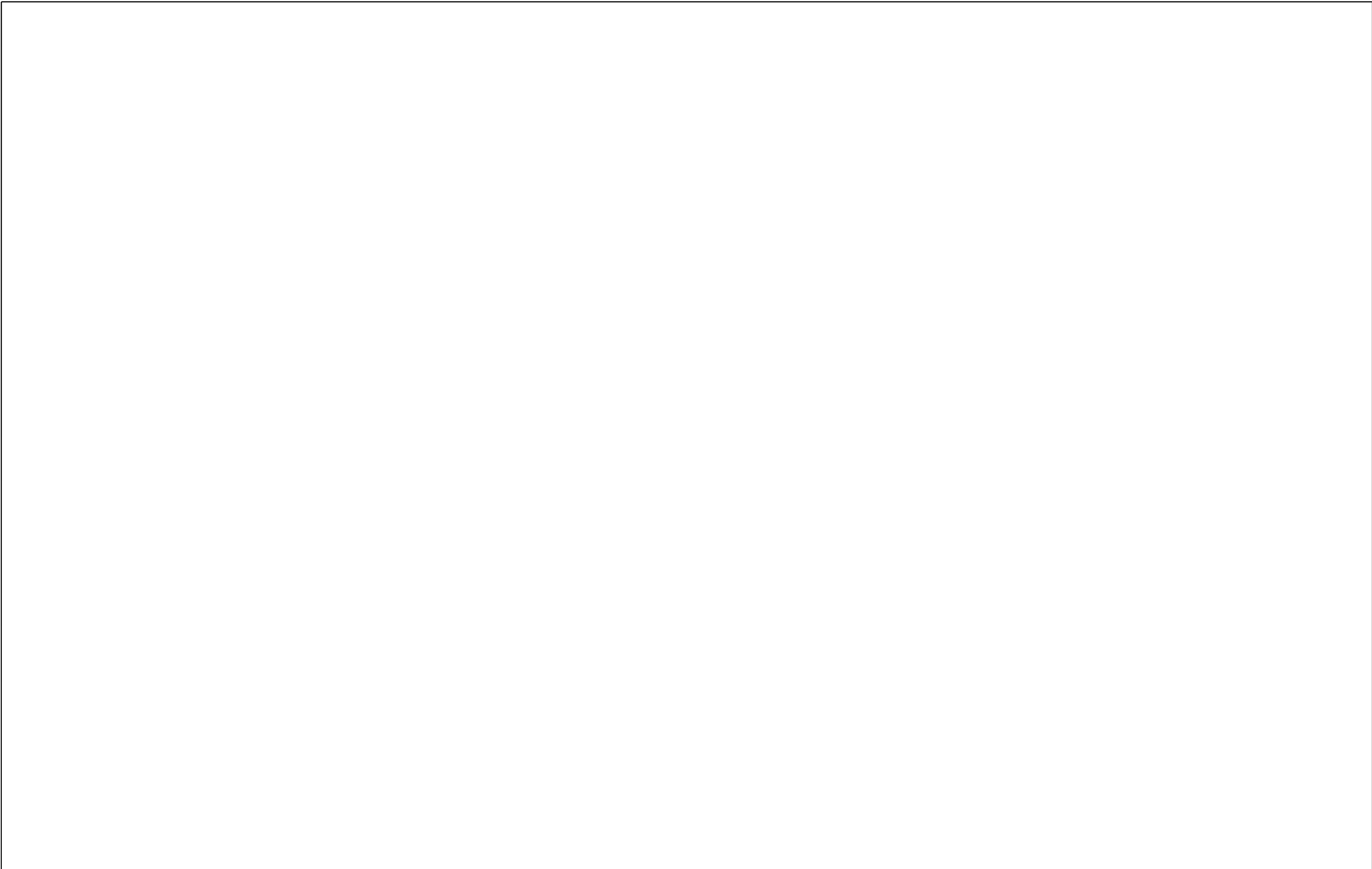
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 1 OF 24 SHEETS	STA. 0+00.00 TO STA. 0+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	15
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				



	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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									ILLINOIS	FED. AID PROJECT	



USER NAME =	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 3 OF 24 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	17
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				



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

SCALE:	SHEET 4 OF 24 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	18
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				

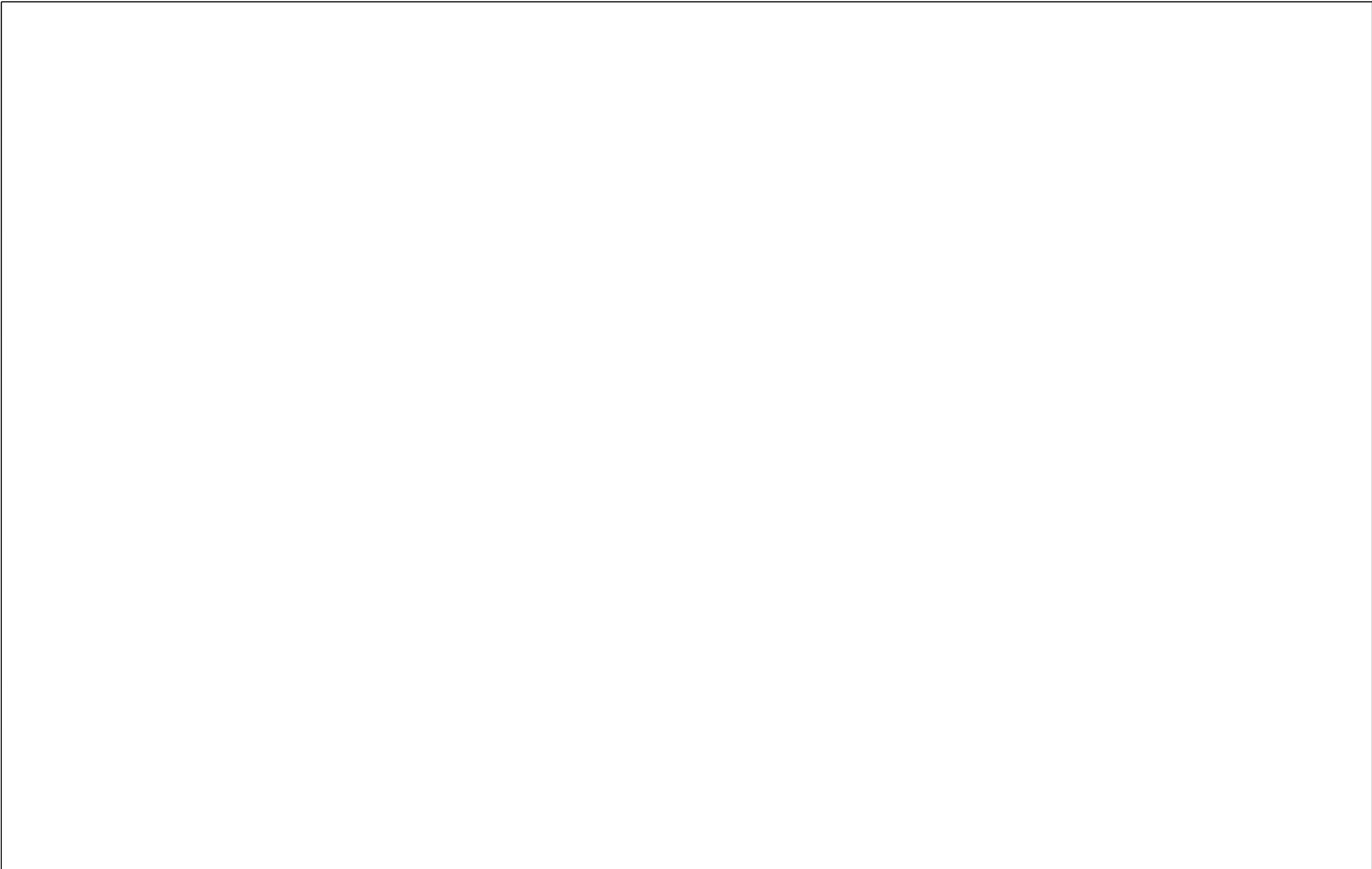


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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 5	OF 24	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	19
				CONTRACT NO. 62J64
		ILLINOIS	FED. AID PROJECT	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 6 OF 24 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	20
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				



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		DRAWN -	REVISED -					1273	2019-122-RS&SW	COOK	77	21
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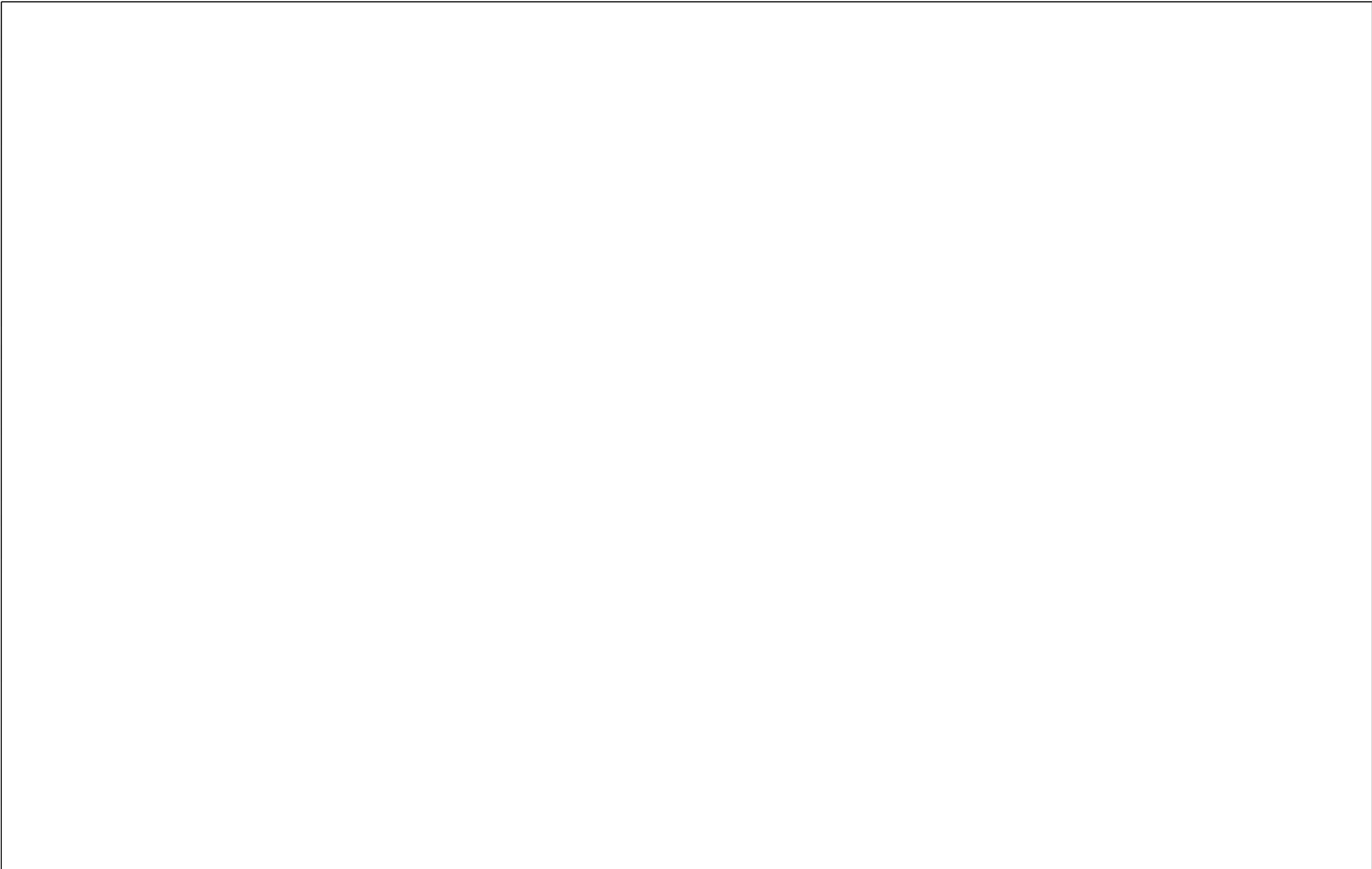


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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 8	OF 24	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	22
				CONTRACT NO. 62J64
		ILLINOIS	FED. AID PROJECT	



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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 9 OF 24 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	23
				CONTRACT NO. 62J64
				ILLINOIS FED. AID PROJECT



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 10 OF 24 SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	24
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				

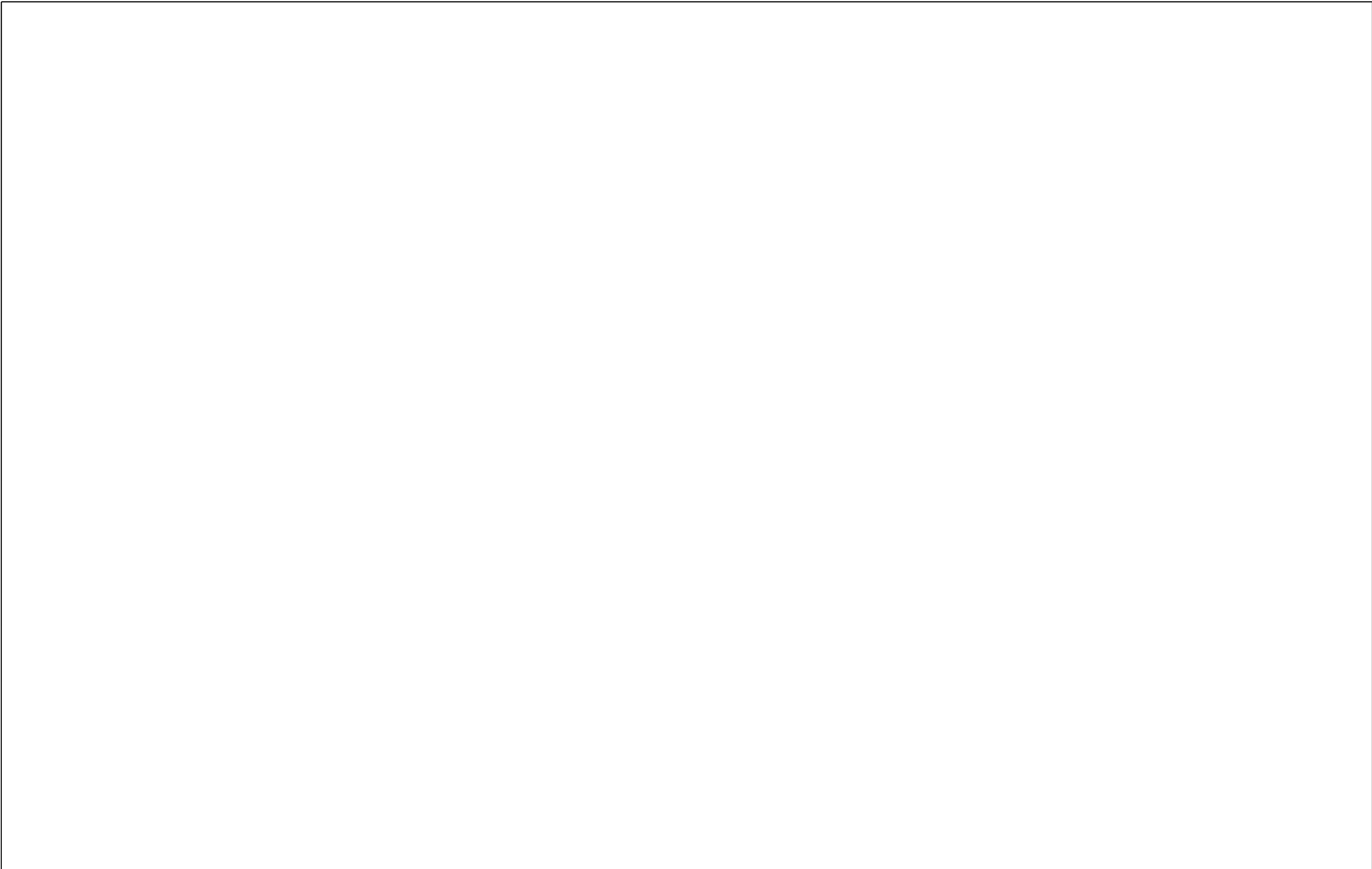


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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET 11 OF 24 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	25
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				



USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 12 OF 24 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	26
				CONTRACT NO. 62J64
				ILLINOIS FED. AID PROJECT



USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET 13 OF 24 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	27
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				

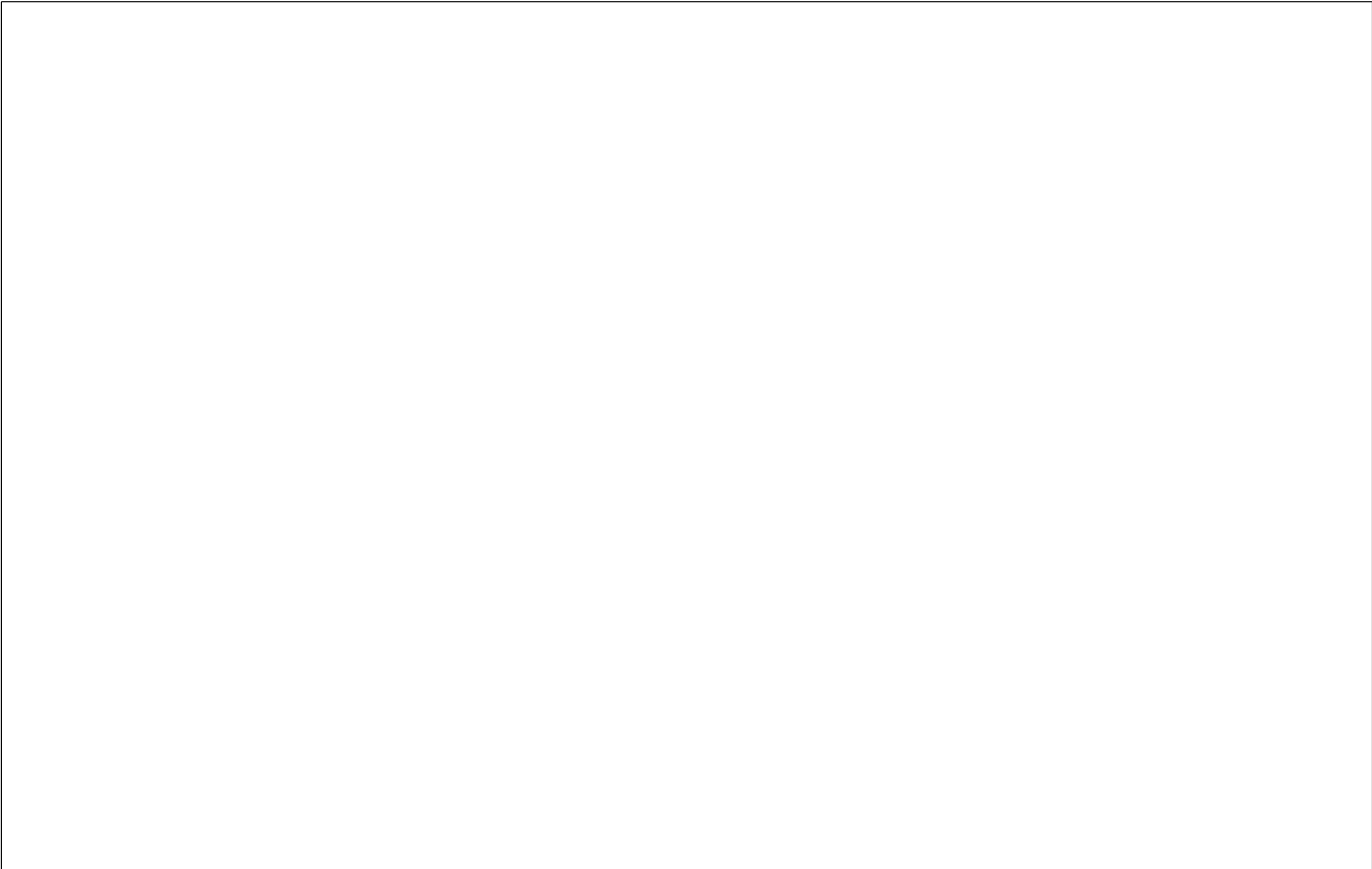


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 14 OF 24 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	28
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

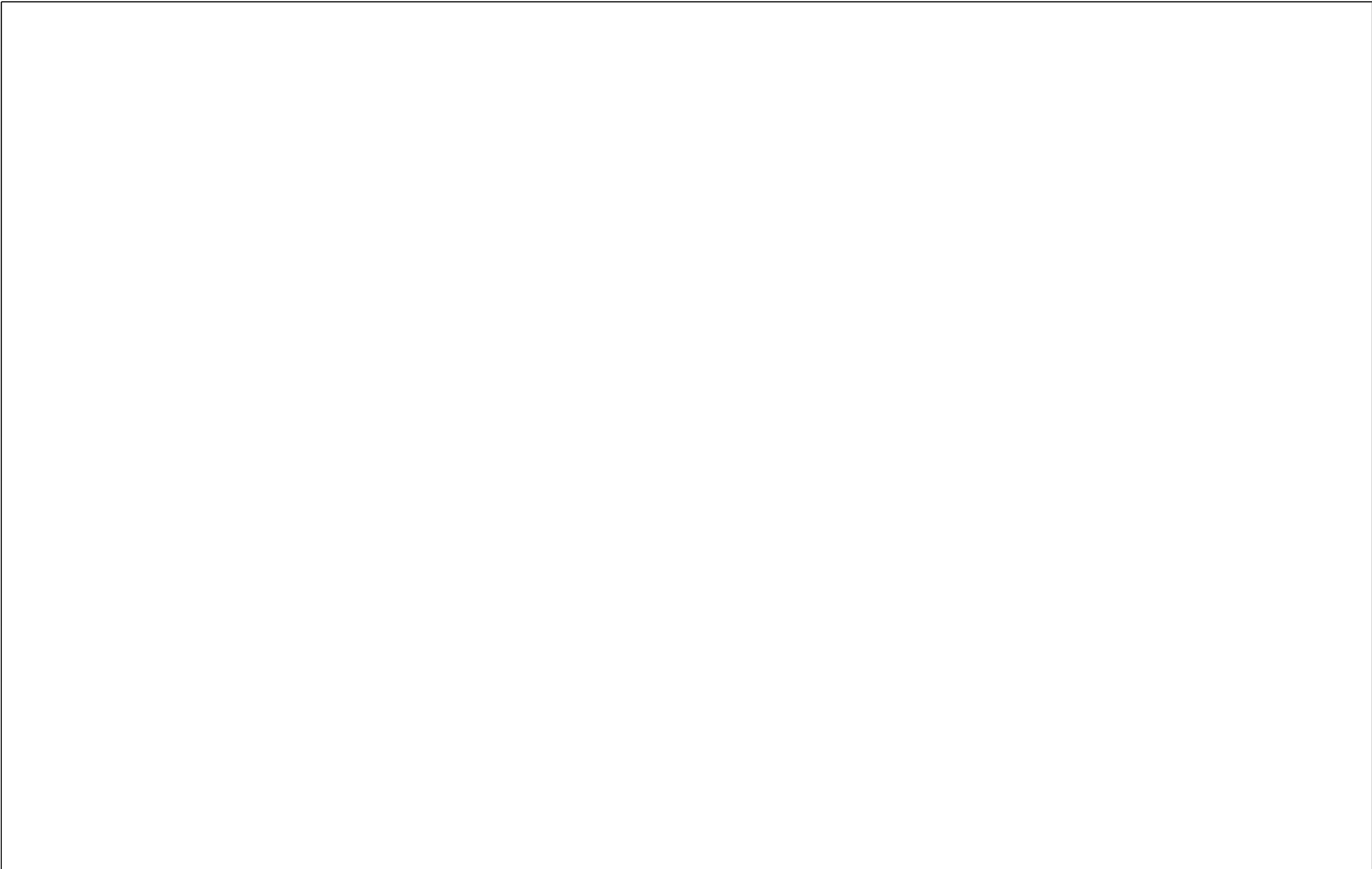


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 15 OF 24 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	29
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				



USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET 17 OF 24 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	31
				CONTRACT NO. 62J64
		ILLINOIS	FED. AID PROJECT	



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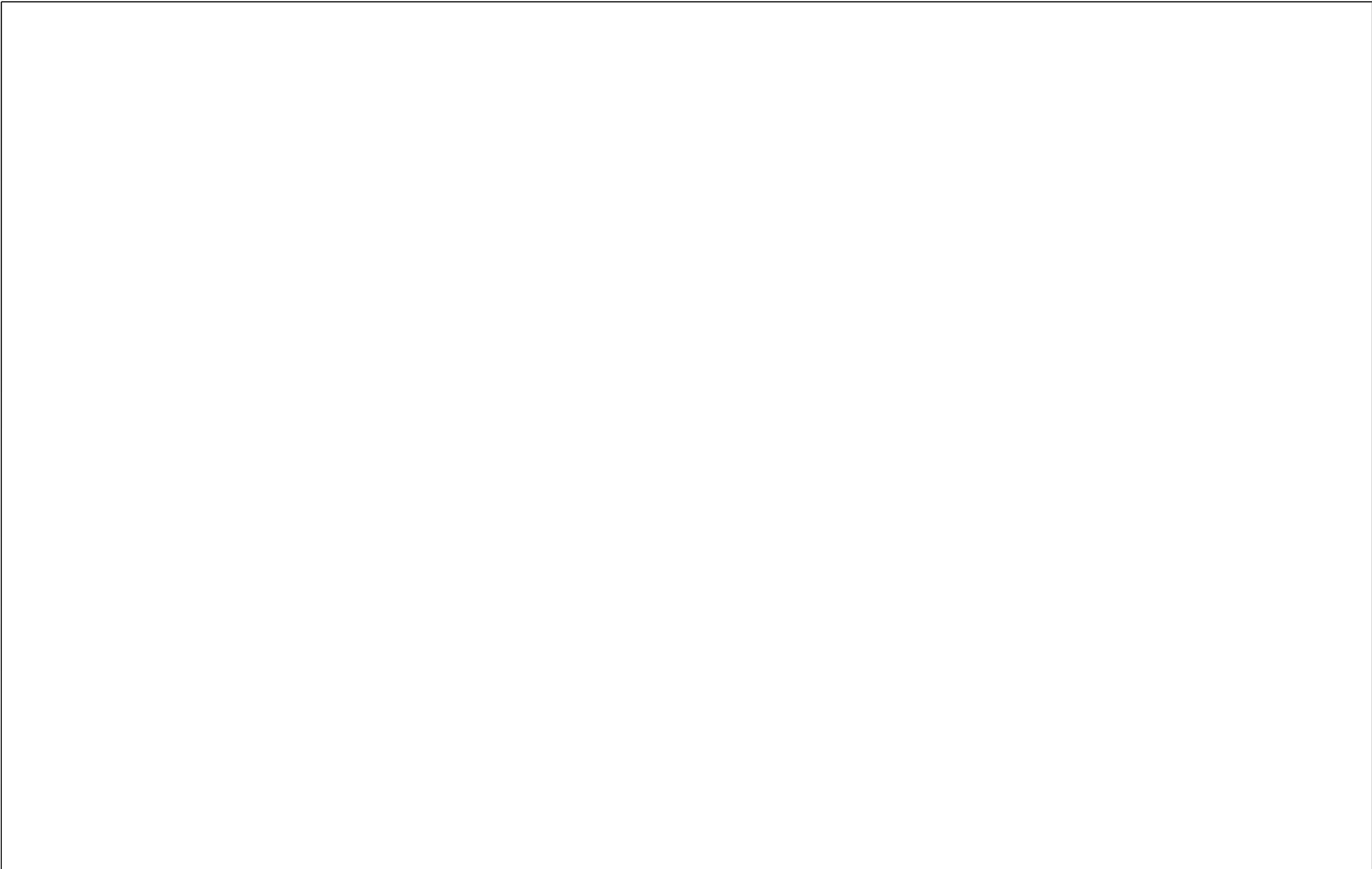
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET 18 OF 24 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	32
				CONTRACT NO. 62J64
ILLINOIS FED. AID PROJECT				



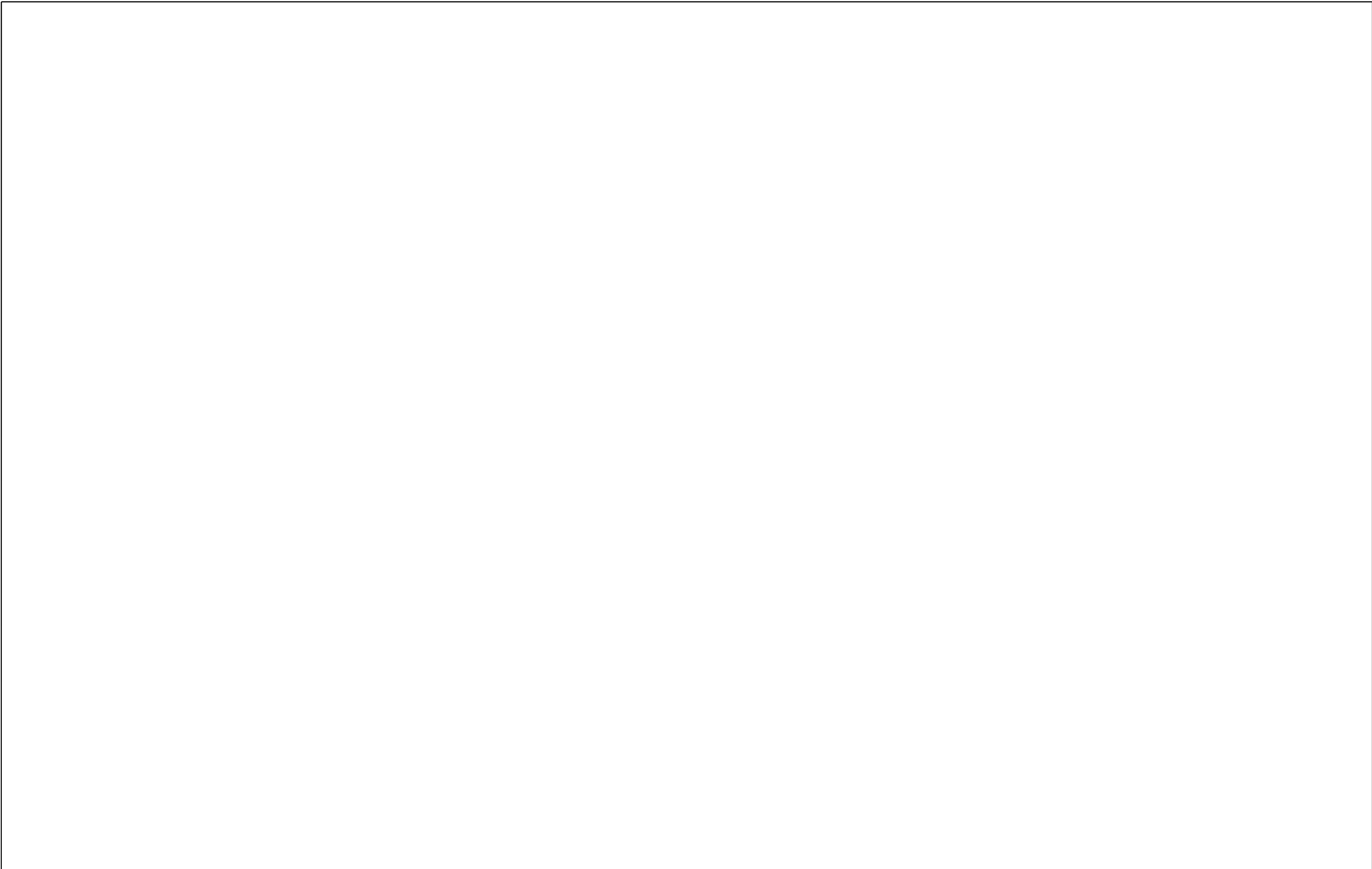
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	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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USER NAME =	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 22 OF 24 SHEETS	STA. _____ TO STA. _____
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	36
				CONTRACT NO. 62J64
		ILLINOIS FED. AID PROJECT		



USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

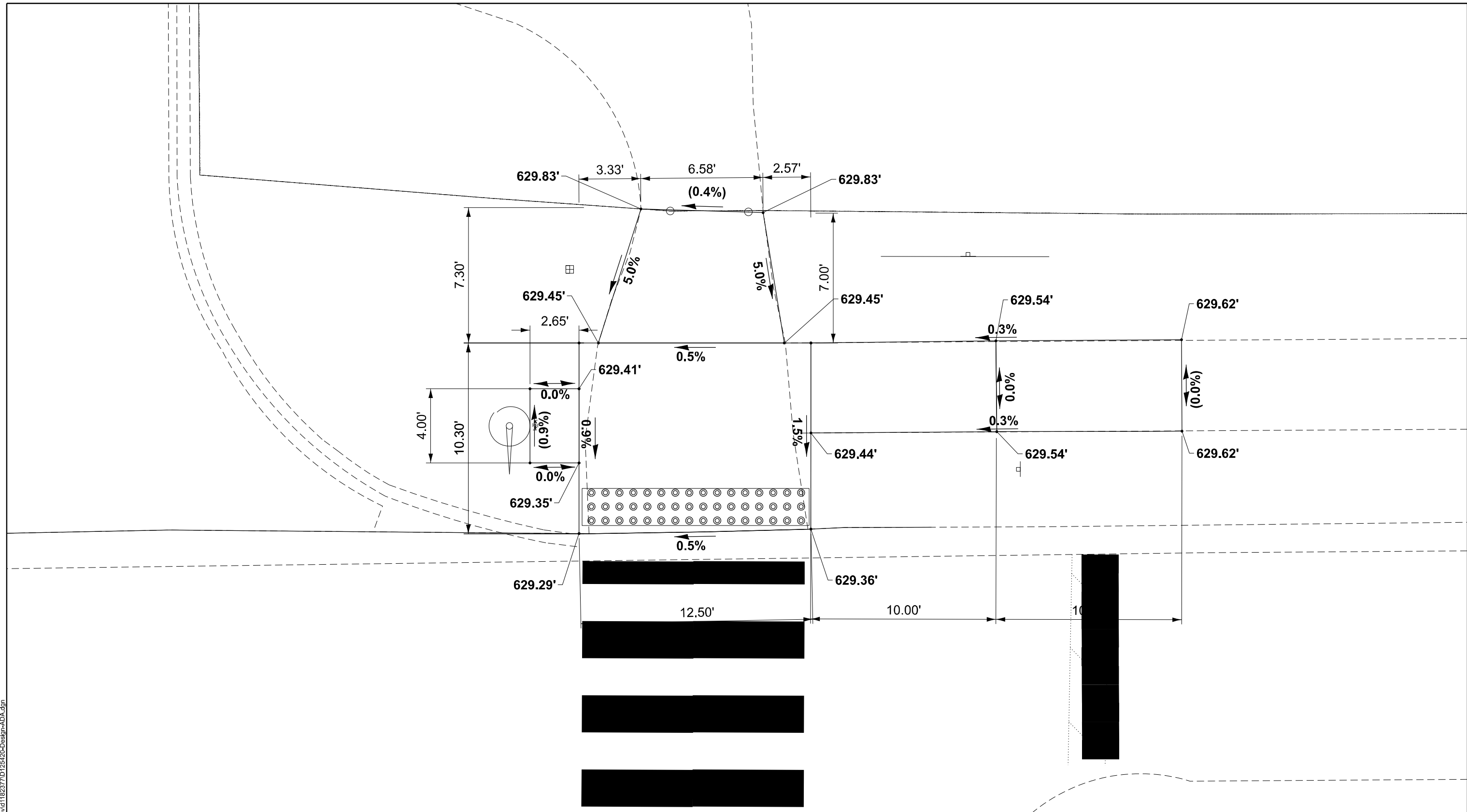
SCALE:	SHEET 23	OF 24	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	37
				CONTRACT NO. 62J64
		ILLINOIS	FED. AID PROJECT	



	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -								
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									ILLINOIS	FED. AID PROJECT	

MODEL: Botanical Garden Entrance (Sheet)
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REFERENCE BENCHMARK ELEVATION: 629.85'

BENCHMARK: SQUARE IN NW CORNER OF CONC BASE OF T.C.B
 IN SE QUADRANT OF DUNDEE RD & N. BRANCH BIKE CROSSING

LOCATION: IL-68 (DUNDEE RD.) @ N. BRANCH TRAIL
 NORTH & SOUTH LEGS OF CROSSWALK

LEGEND

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

REFERENCE BENCHMARK ELEVATION: 629.85'

BENCHMARK: SQUARE IN NW CORNER OF CONC BASE OF T.C.B
 IN SE QUADRANT OF DUNDEE RD & N. BRANCH BIKE CROSSING

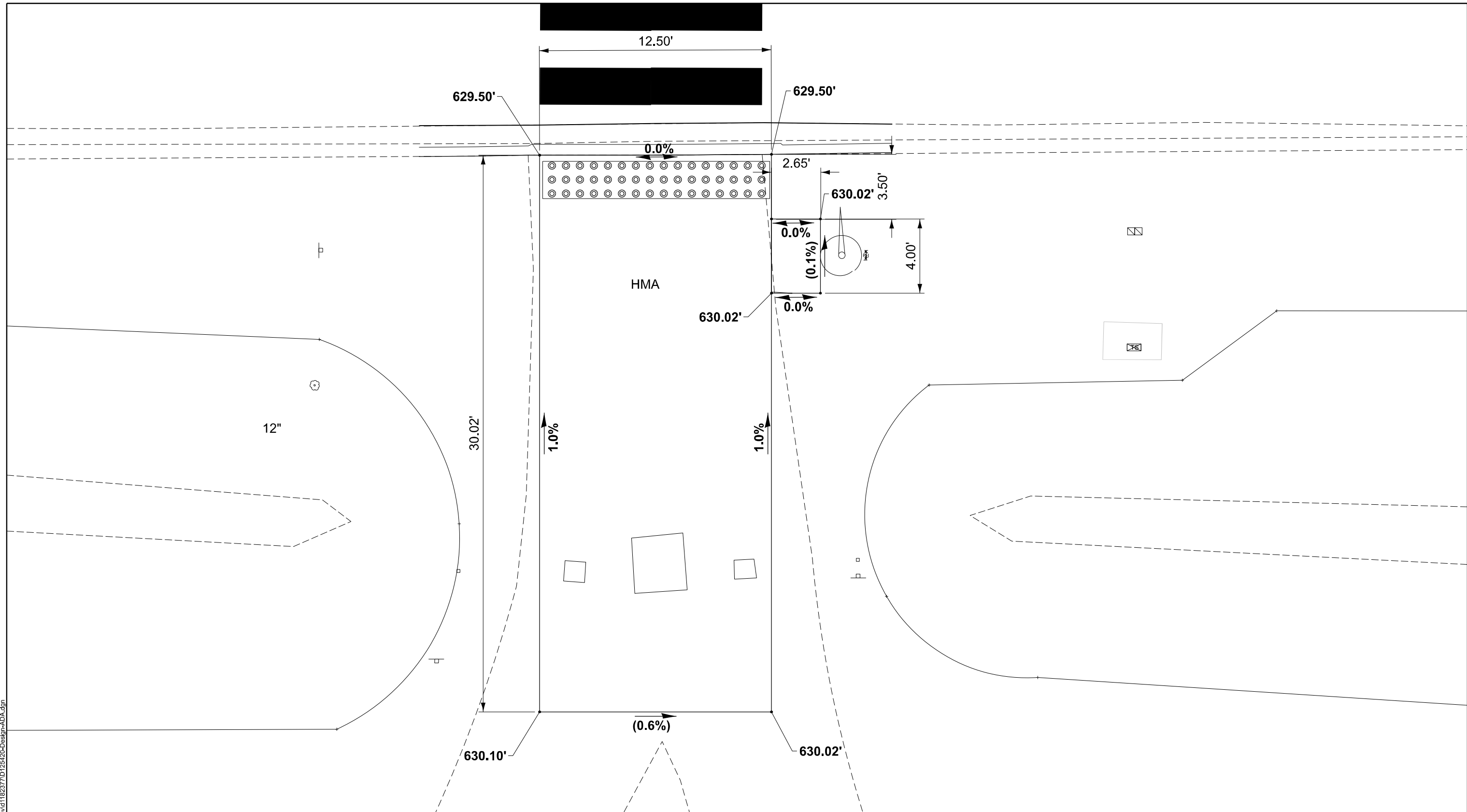
LOCATION: IL-68 (DUNDEE RD.) @ N. BRANCH TRAIL
 NORTH & SOUTH LEGS OF CROSSWALK

USER NAME = syed.rizvi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DESIGNS			
IL-68 / N. BRANCH TRAIL (CHICAGO BOTANICAL GARDEN ENTRANCE)			
SCALE:	SHEET 2	OF 10 SHEETS	TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	40
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



MODEL: Trail S of Botanical Garden (Sheet)
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REFERENCE BENCHMARK ELEVATION: 629.85'

**BENCHMARK: SQUARE IN NW CORNER OF CONC BASE OF T.C.B
IN SE QUADRANT OF DUNDEE RD & N. BRANCH BIKE CROSSING**

**LOCATION: IL-68 (DUNDEE RD.) @ N. BRANCH TRAIL
NORTH & SOUTH LEGS OF CROSSWALK**

LEGEND

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

REFERENCE BENCHMARK ELEVATION: 629.85'

**BENCHMARK: SQUARE IN NW CORNER OF CONC BASE OF T.C.B
IN SE QUADRANT OF DUNDEE RD & N. BRANCH BIKE CROSSING**

**LOCATION: IL-68 (DUNDEE RD.) @ N. BRANCH TRAIL
NORTH & SOUTH LEGS OF CROSSWALK**

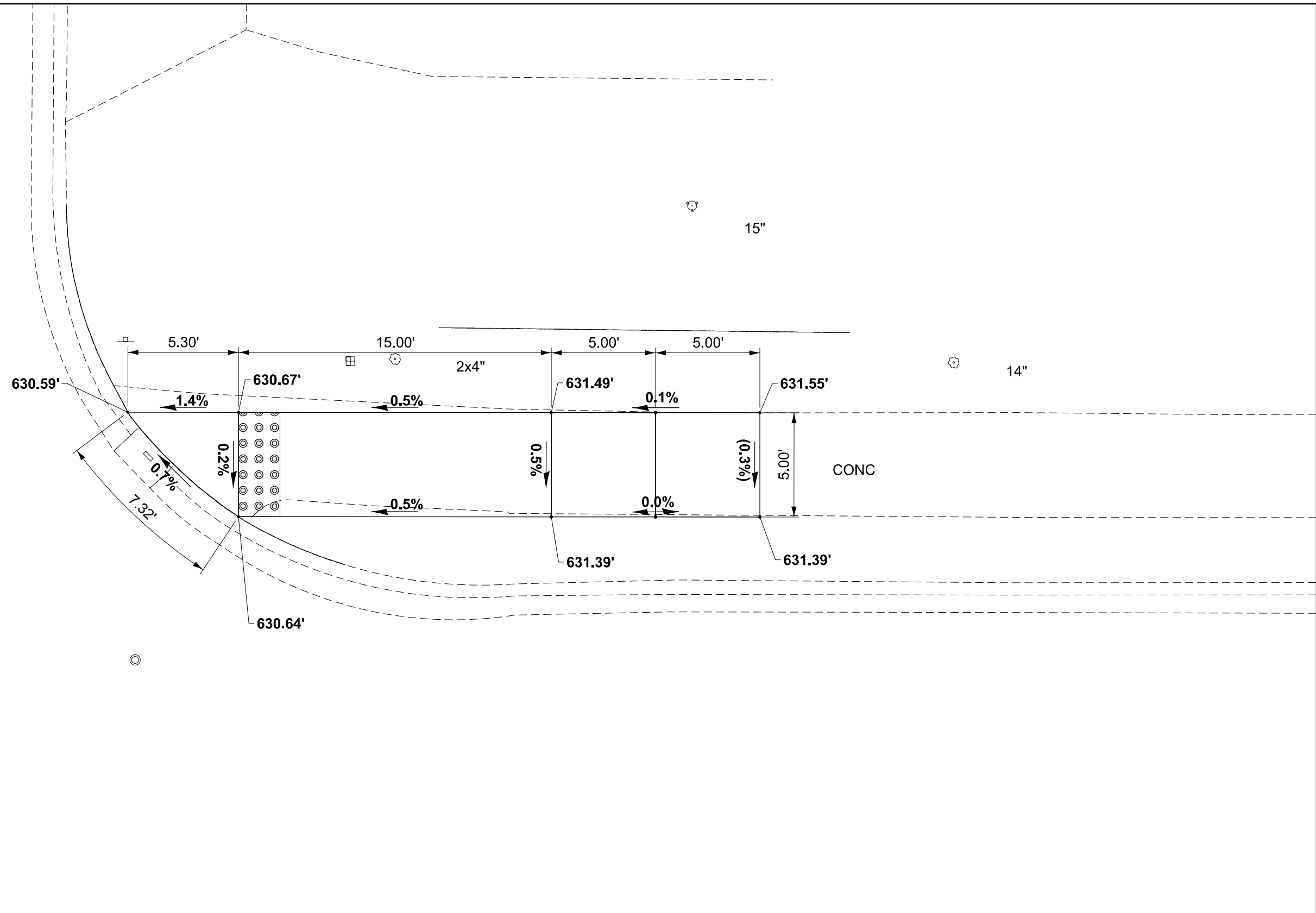
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PLOT DATE = 4/15/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DESIGNS
IL-68 / N. BRANCH TRAIL (SOUTH LEG)**

SCALE: SHEET 3 OF 10 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	41
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



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REFERENCE BENCHMARK ELEVATION: 631.46'

BENCHMARK: NW BOLT OF F.H IN THE NW CORNER OF DUNDEE RD & PEBBLEWOOD DR

LOCATION: IL-68 (DUNDEE RD.) @ PEBBLEWOOD DR NORTHEAST

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION: 631.46'

BENCHMARK: NW BOLT OF F.H IN THE NW CORNER OF DUNDEE RD & PEBBLEWOOD DR

LOCATION: IL-68 (DUNDEE RD.) @ PEBBLEWOOD DR NORTHEAST

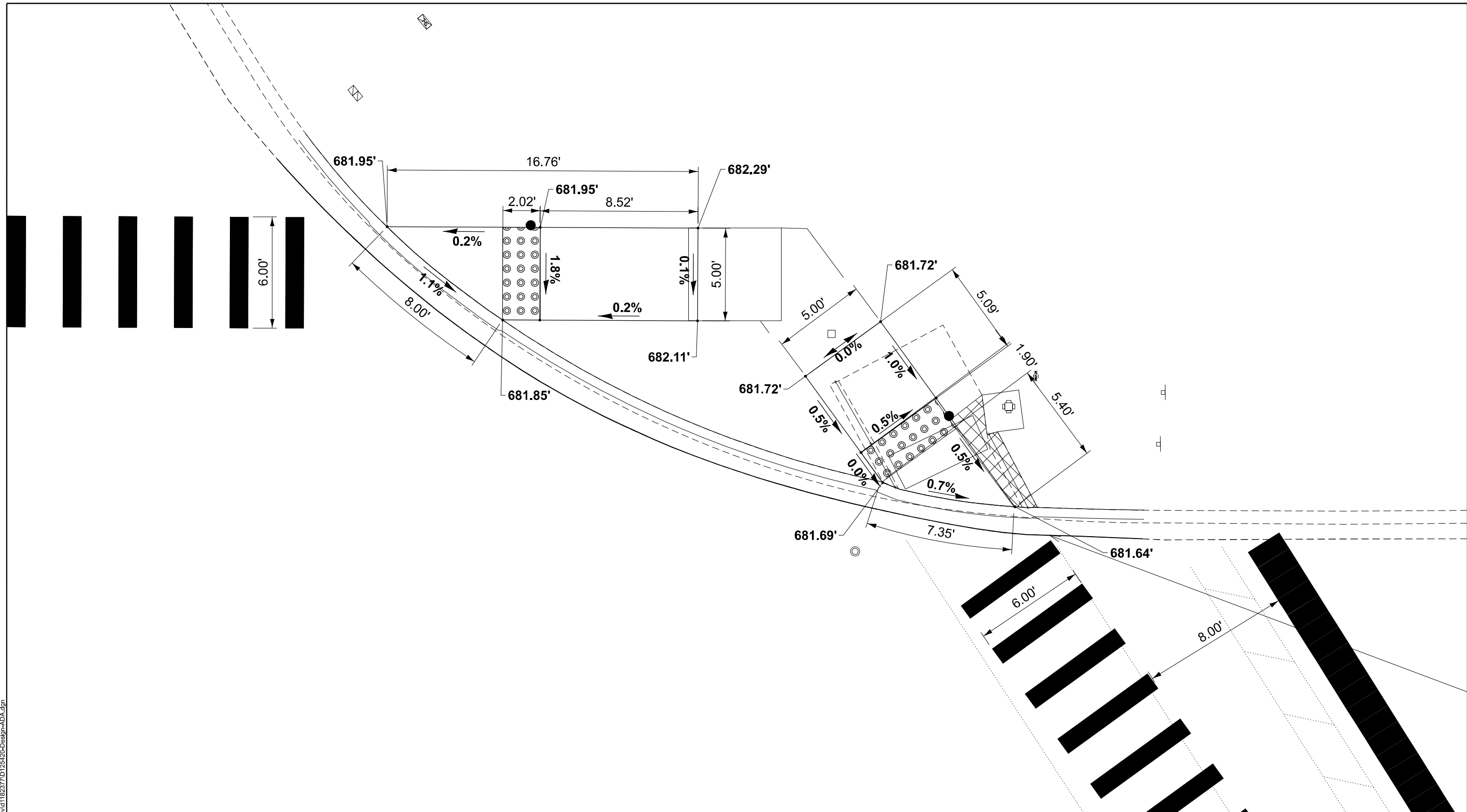
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PLOT DATE = 4/15/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DESIGNS
IL-68 / PEBBLEWOOD DR (NORTHEAST LEG)**

SCALE: SHEET 4 OF 10 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	42
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEVATION: 682.66'

BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD
 LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.)
 (ALL 4 CORNERS)

LEGEND

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

REFERENCE BENCHMARK ELEVATION: 682.66'

BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD
 LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.)
 (ALL 4 CORNERS)

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USER NAME = syed.rizvi	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE -	REVISED -

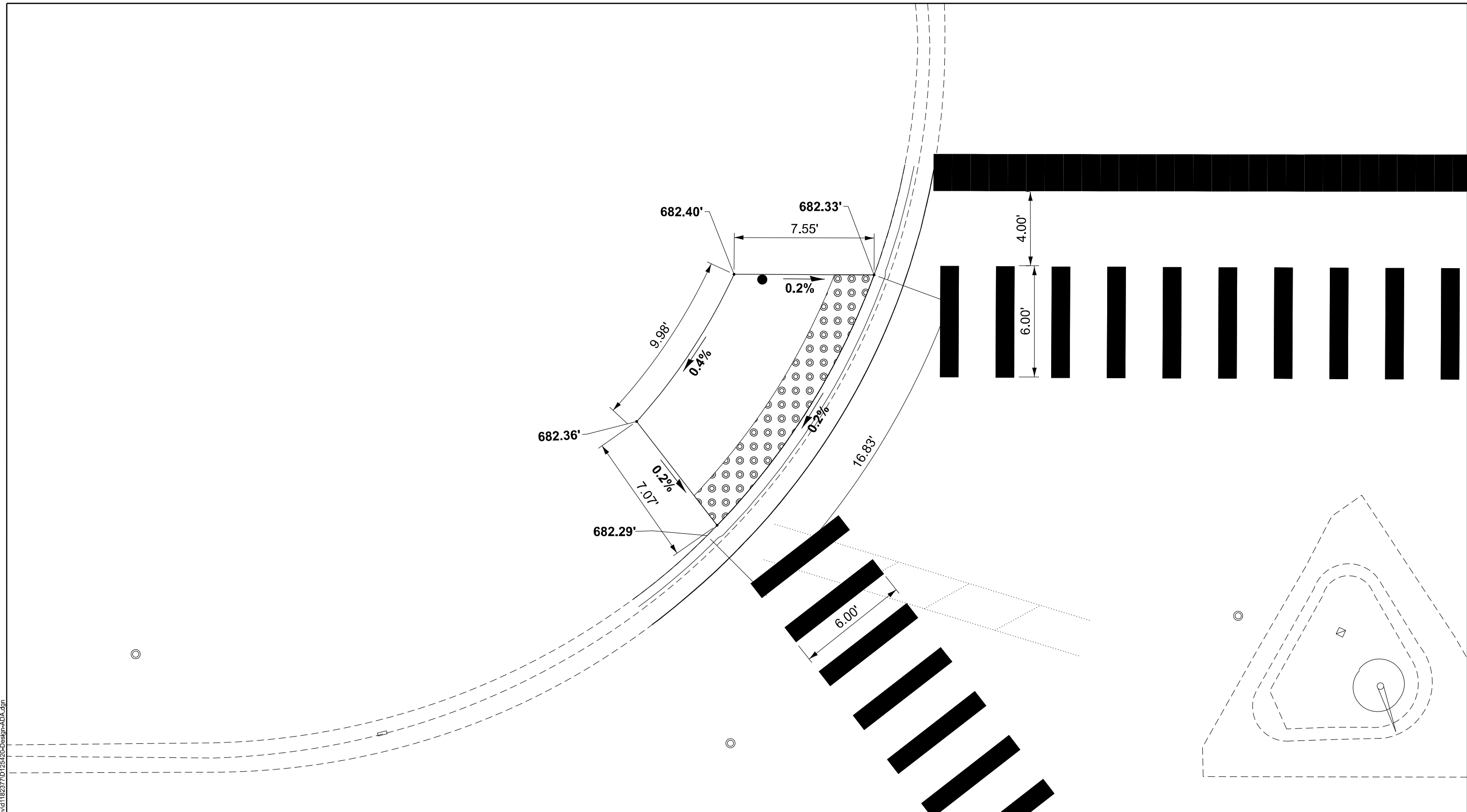
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DESIGNS
 IL-68 (DUNDEE RD) / IL-43 (WAUKEGAN RD) (NE CORNER)

SCALE: SHEET 7 OF 10 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	45
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEVATION: 682.66'

BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF
 H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD
 LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.)
 (ALL 4 CORNERS)

LEGEND

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

REFERENCE BENCHMARK ELEVATION: 682.66'

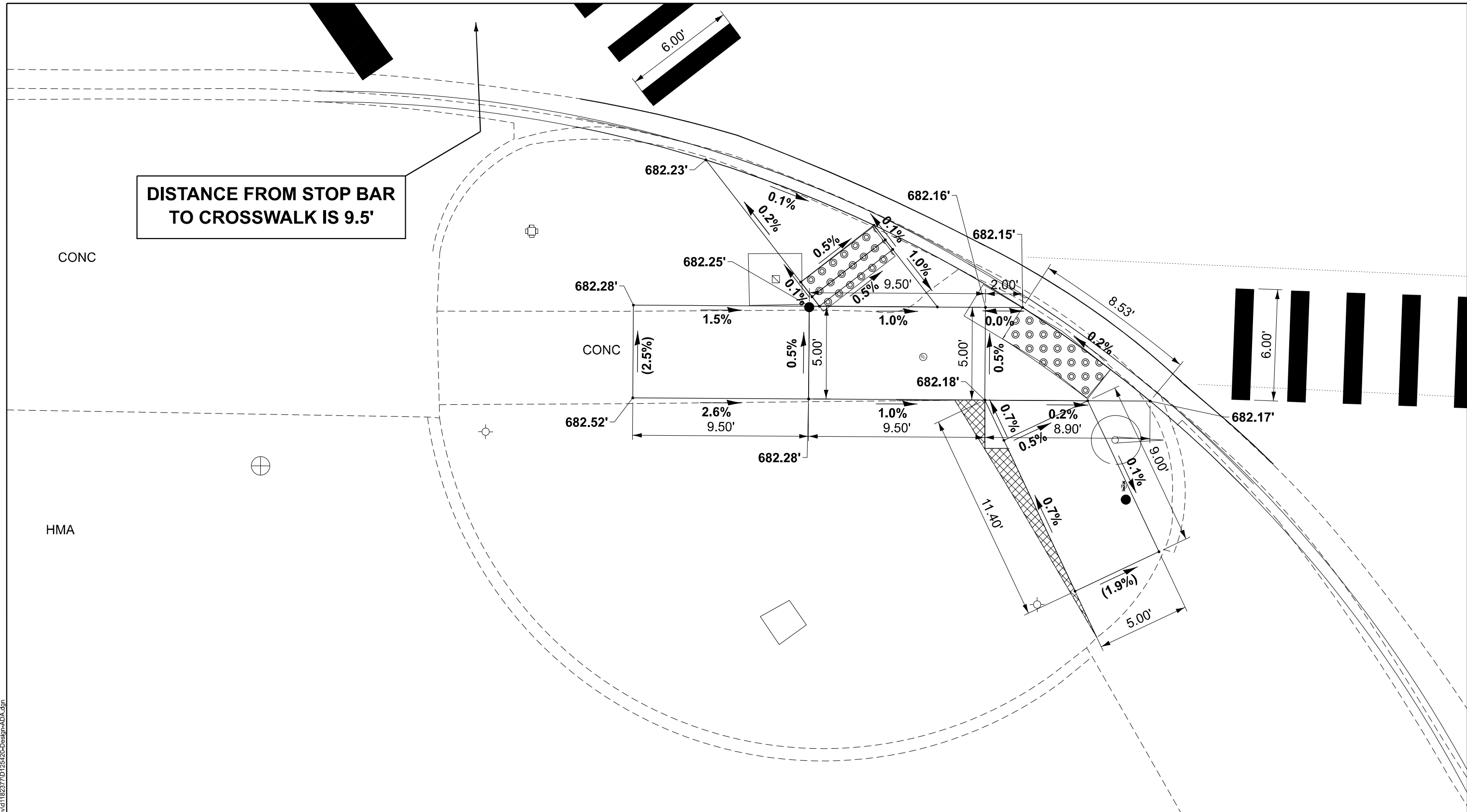
BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF
 H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD
 LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.)
 (ALL 4 CORNERS)

USER NAME = syed.rizvi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ADA RAMP DESIGNS
 IL-68 (DUNDEE RD) / IL-43 (WAUKEGAN RD) (NW CORNER)
 SCALE: SHEET 8 OF 10 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	46
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				



**DISTANCE FROM STOP BAR
TO CROSSWALK IS 9.5'**

CONC

682.28'

CONC

682.52'

HMA

682.23'

682.16'

682.15'

682.25'

682.18'

682.17'

MODEL: Waukegan Rd SW Corner (Sheet)
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REFERENCE BENCHMARK ELEVATION: 682.66'

**BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF
H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD**

**LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.)
(ALL 4 CORNERS)**

LEGEND

xx.xx' EXISTING LENGTH

PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION: 682.66'

**BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF
H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD**

**LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.)
(ALL 4 CORNERS)**

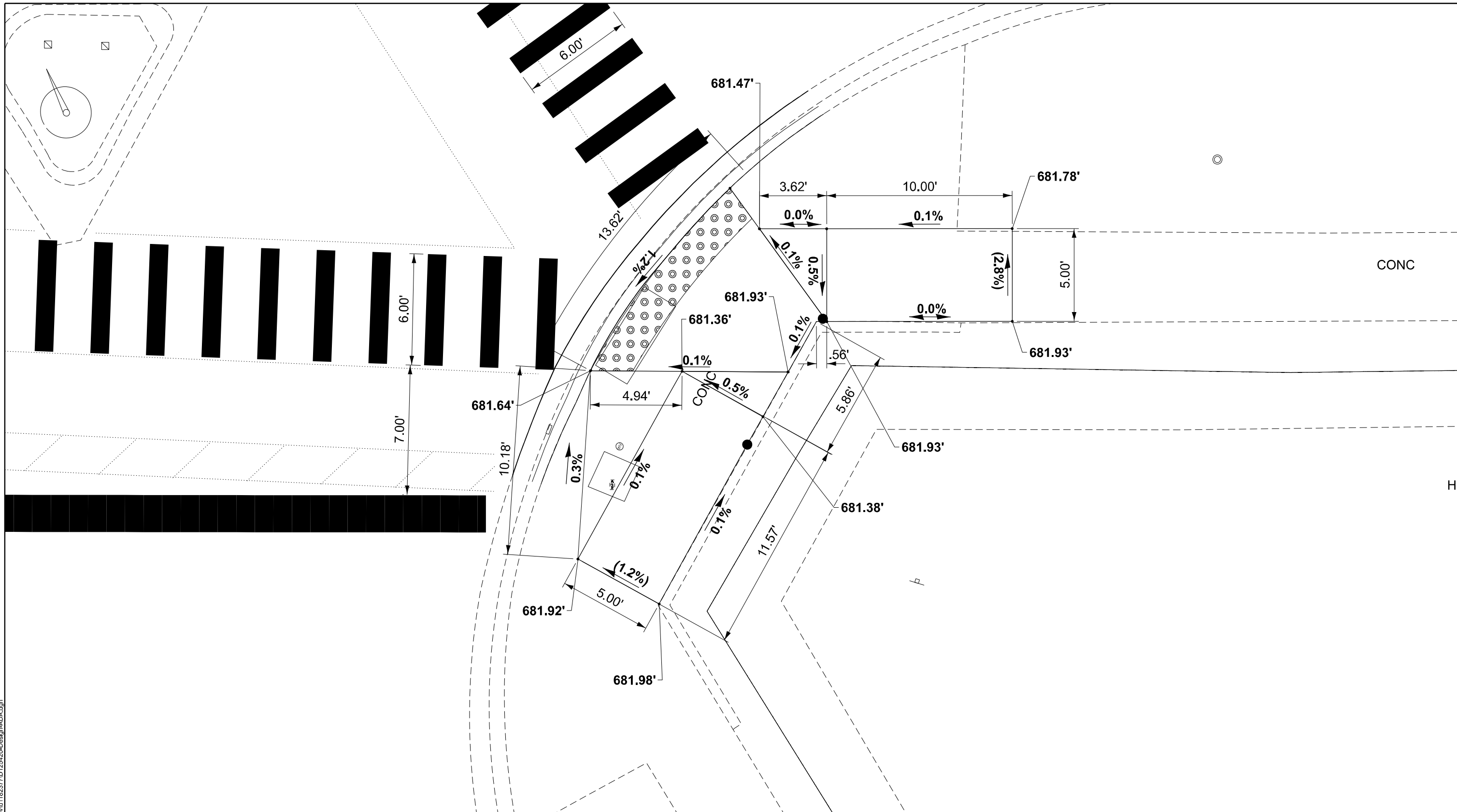
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PLOT DATE = 4/15/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DESIGNS
IL-68 (DUNDEE RD) / IL-43 (WAUKEGAN RD) (SW CORNER)**

SCALE: SHEET 9 OF 10 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	47
			CONTRACT NO. 62J64	
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEVATION: 682.66'

BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD

LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.) (ALL 4 CORNERS)

LEGEND

xx.xx' EXISTING LENGTH

PROPOSED SIDE CURB

() EXISTING ELEVATION/SLOPE

PROPOSED SIDEWALK

DETECTABLE WARNINGS

SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION: 682.66'

BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF H.H IN SW CORNER OF DUNDEE RD & WAUKEGAN RD

LOCATION: IL-68 (DUNDEE RD.) @ IL-43 (WAUKEGAN RD.) (ALL 4 CORNERS)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DESIGNS
IL-68 (DUNDEE RD) / IL-43 (WAUKEGAN RD) (SE CORNER)

USER NAME = syed.rizvi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE -	REVISED -

SCALE: SHEET 10 OF 10 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	48
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

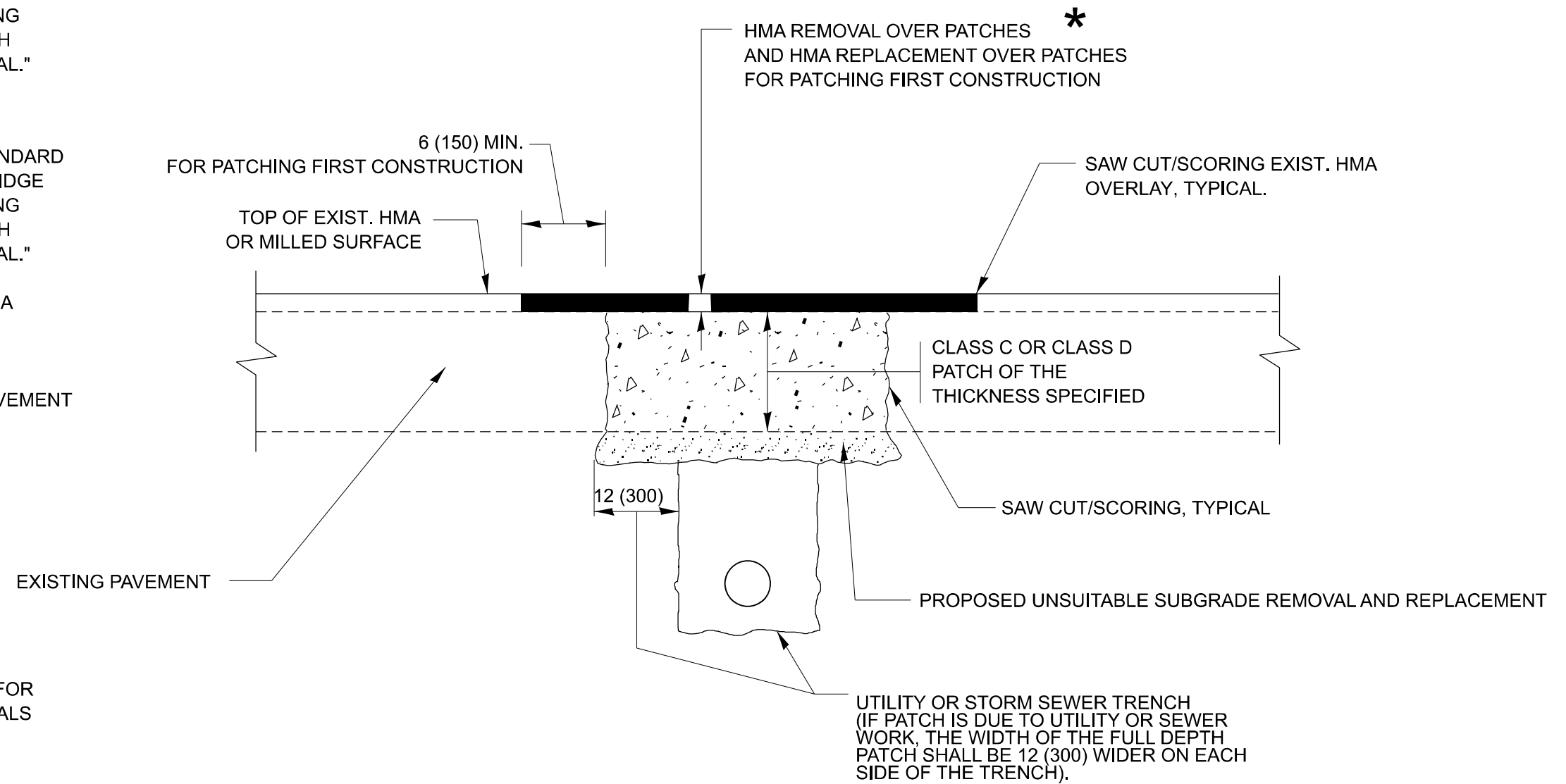
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METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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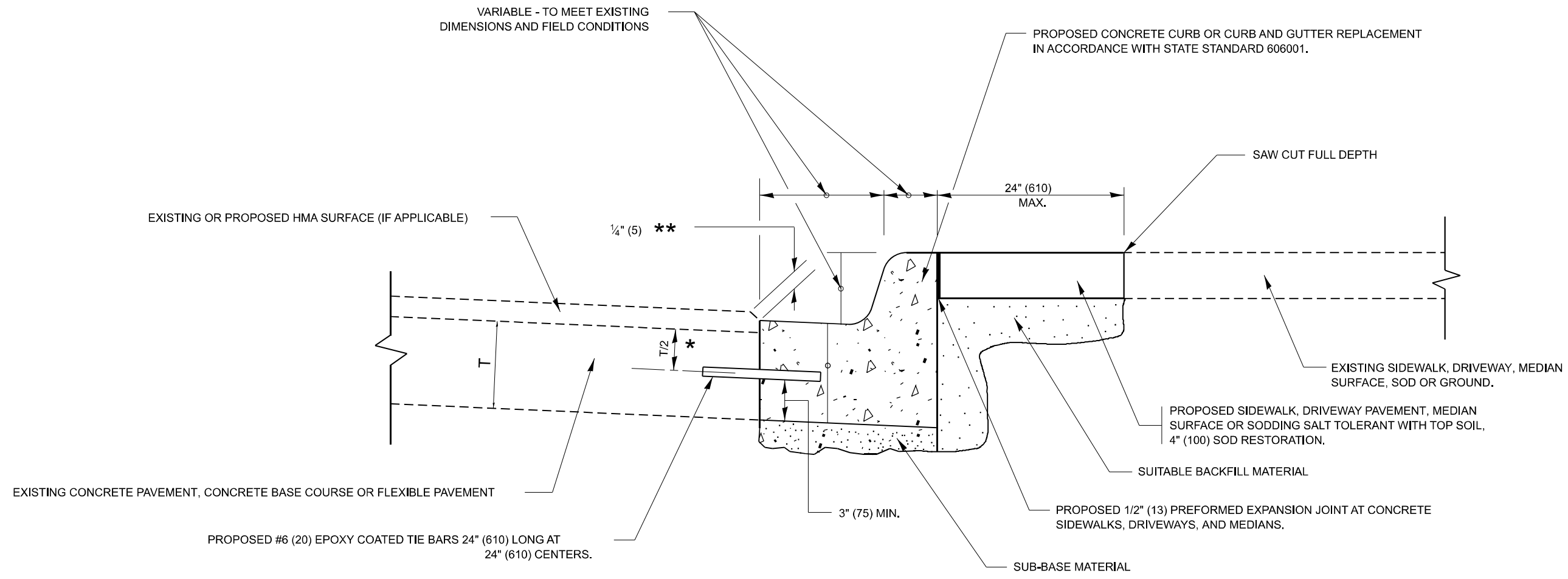
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	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 4/15/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	50
BD400-04 (BD-22)			CONTRACT NO. 62J64	
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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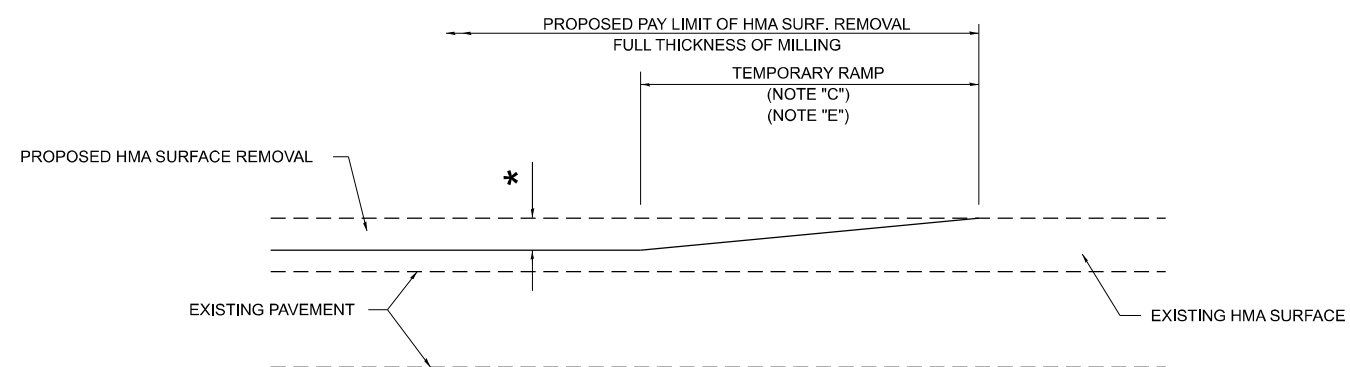
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	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 4/15/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

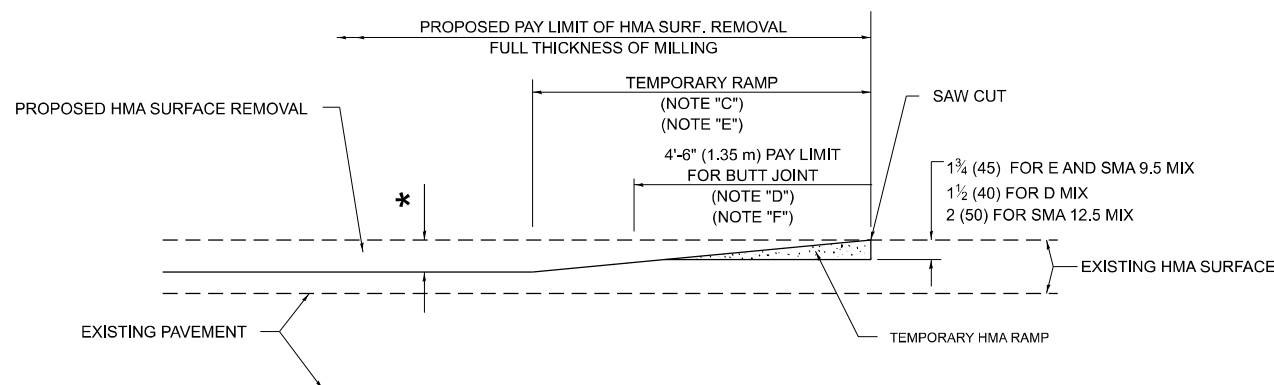
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1273	2019-122-RS&SW	COOK	77	51
BD600-06 (BD-24)			CONTRACT NO. 62J64	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

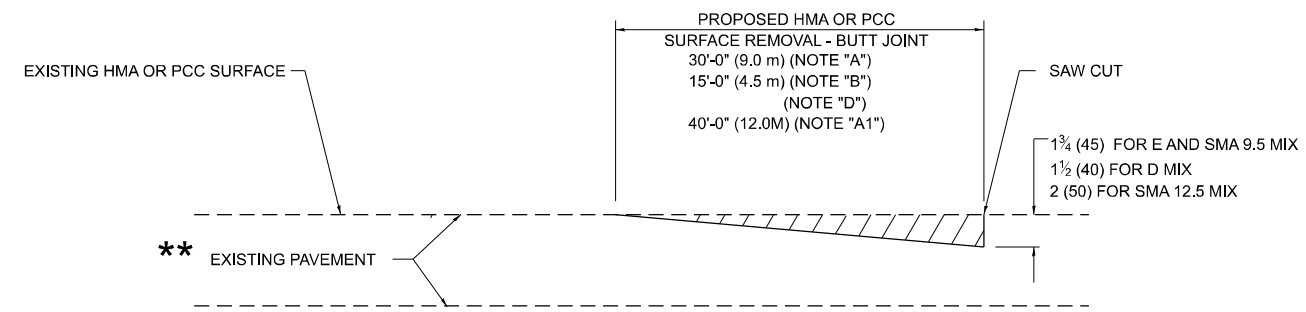


HMA CONSTRUCTED TEMPORARY RAMP

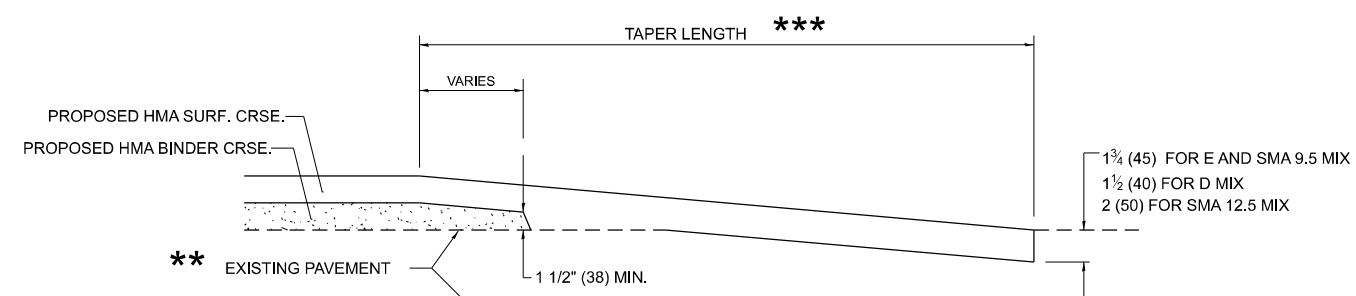
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

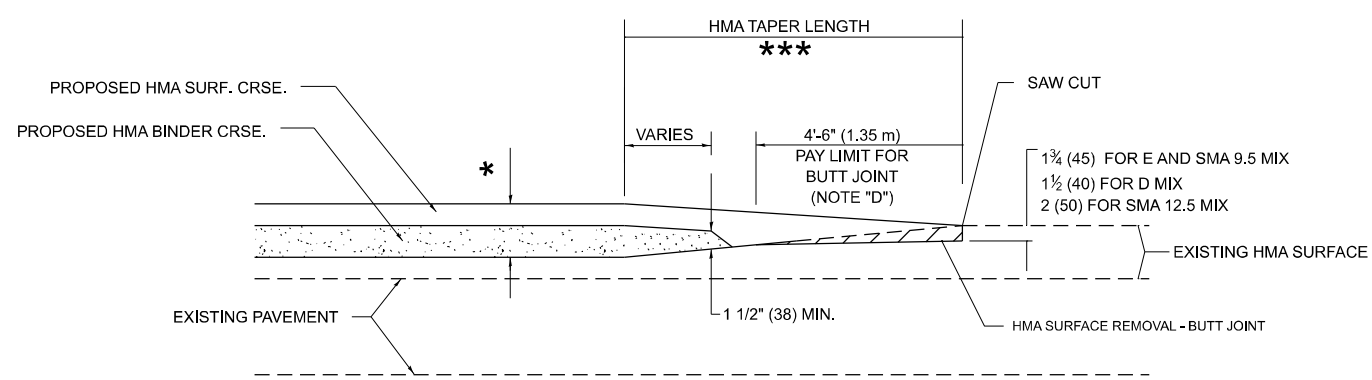
- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE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

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

BASIS OF PAYMENT

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

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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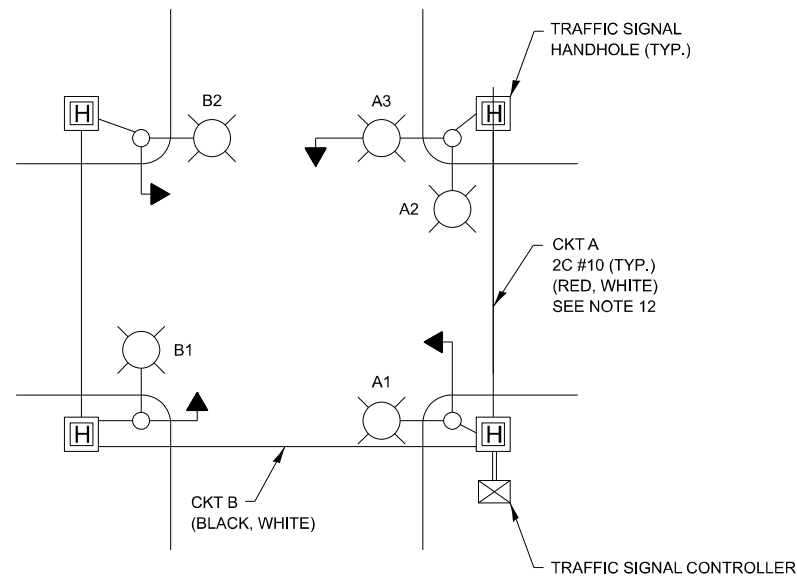
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	CHECKED -	REVISED - R. BORO 01-01-07
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

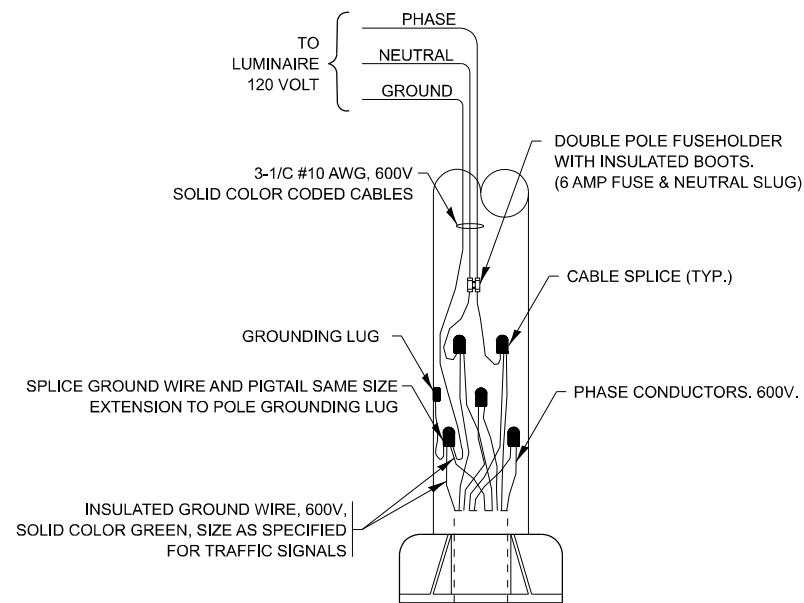
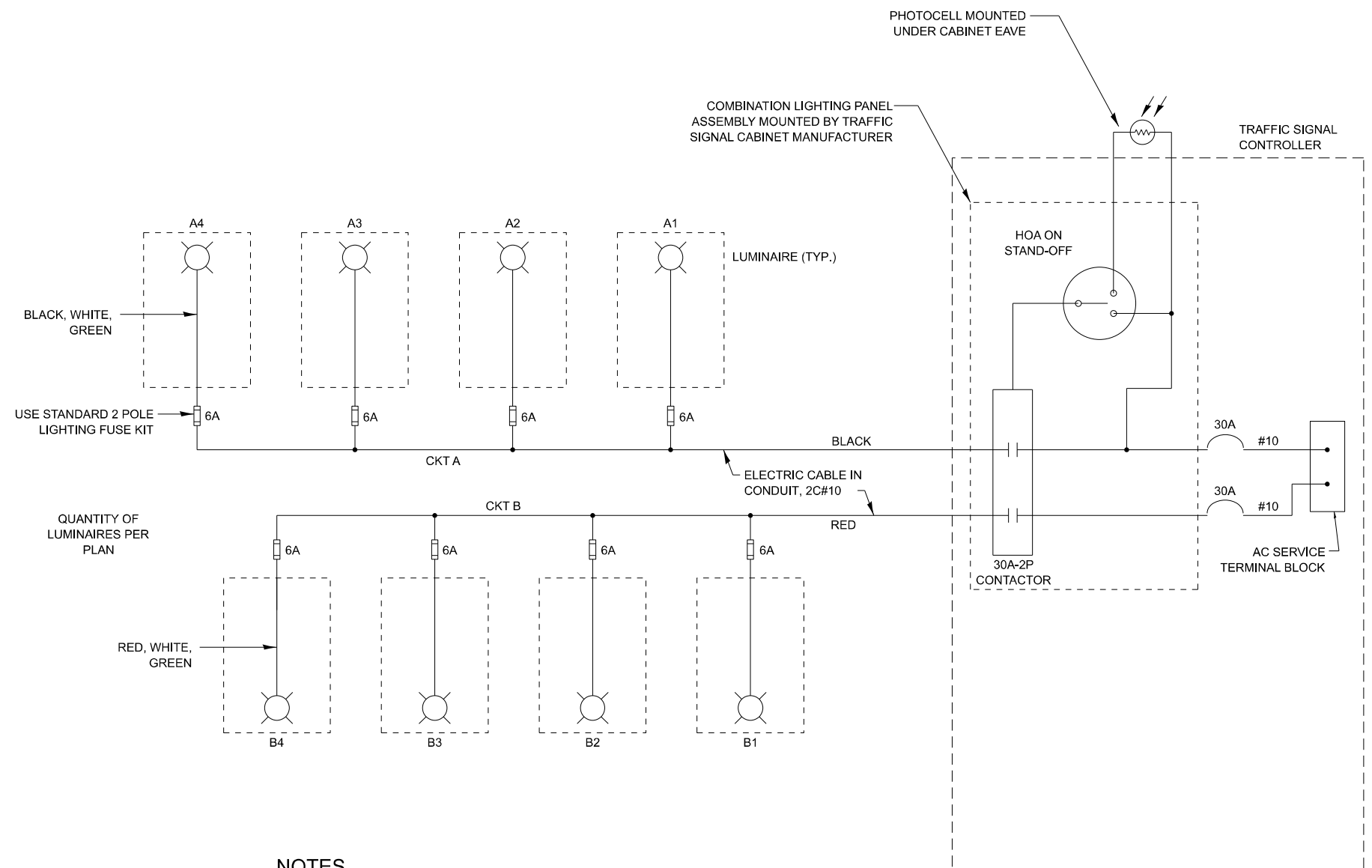
BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	52
BD400-05 BD-32		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				



TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

NOTES

- 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
- TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
- FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC SERVICE TERMINAL BLOCK.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
- THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
- LIGHTING CONNECTED TO UPS BYPASS CIRCUIT.
- COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
- LUMINAIRE VOLTAGE SHALL BE 120V
- POLE WIRING & FUSE KITS ARE INCLUDED IN THE LUMINAIRE PAY ITEM.
- THE UNDERGROUND EQUIPMENT GROUND WIRE IS SHOWN IN THE TRAFFIC SIGNAL PLANS AND IS INCLUDED IN THE SIGNAL PLANS. IT IS SHARED GROUND BETWEEN SIGNALS AND LIGHTING.

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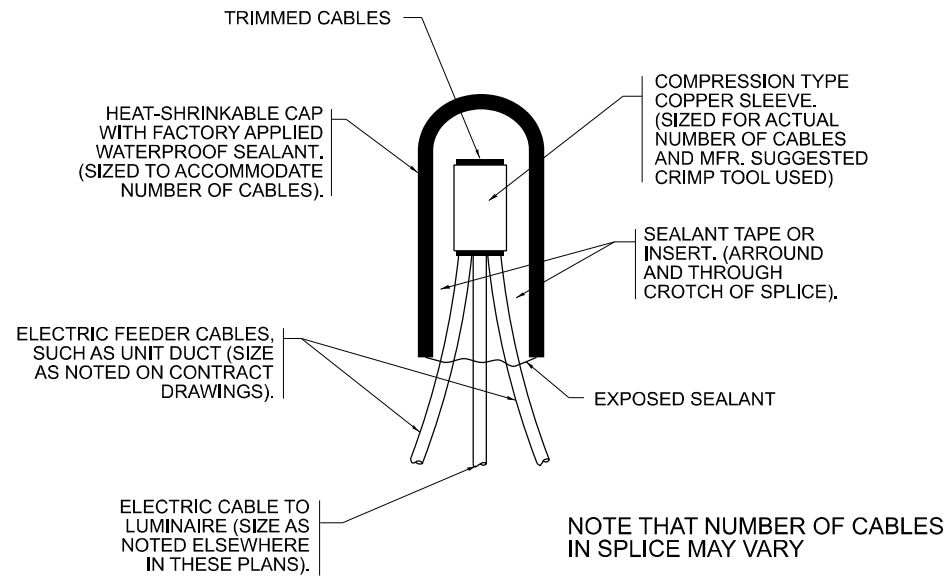
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	CHECKED - RT	REVISED - T.G. 8/03/2021
PLOT DATE = 4/15/2026	DATE - 08/18/2014	REVISED - T.G. 5/05/2022

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

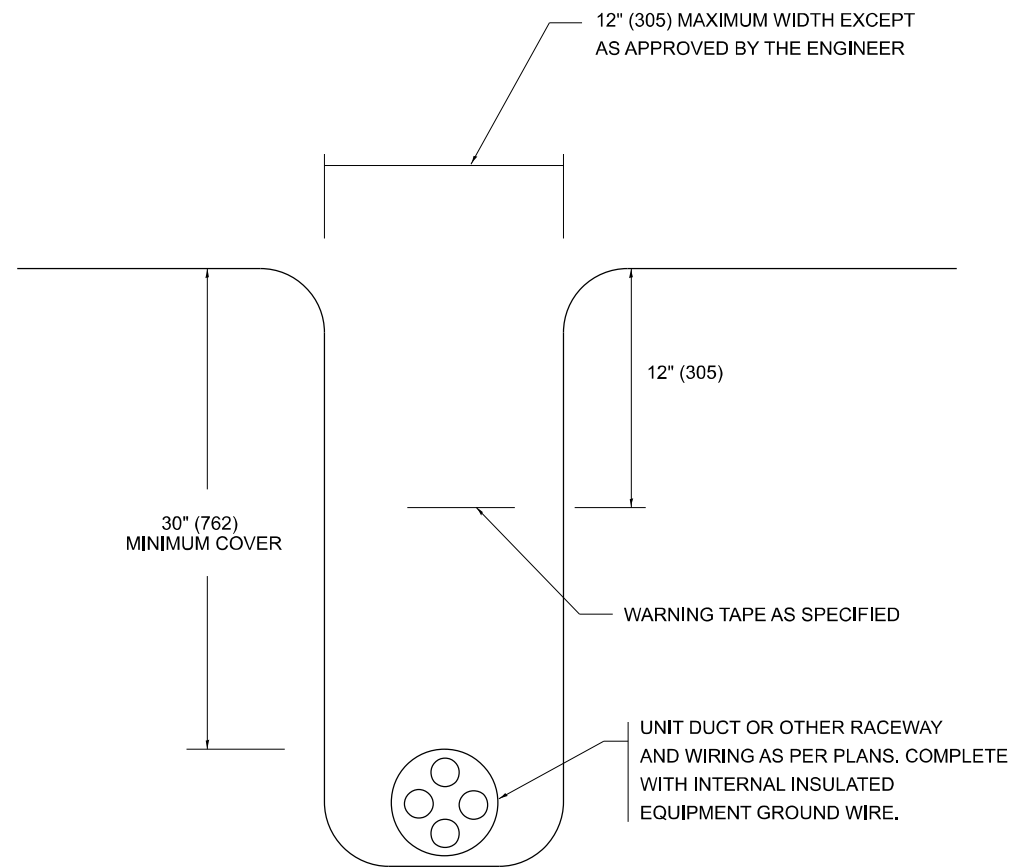
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	53
BE-240		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

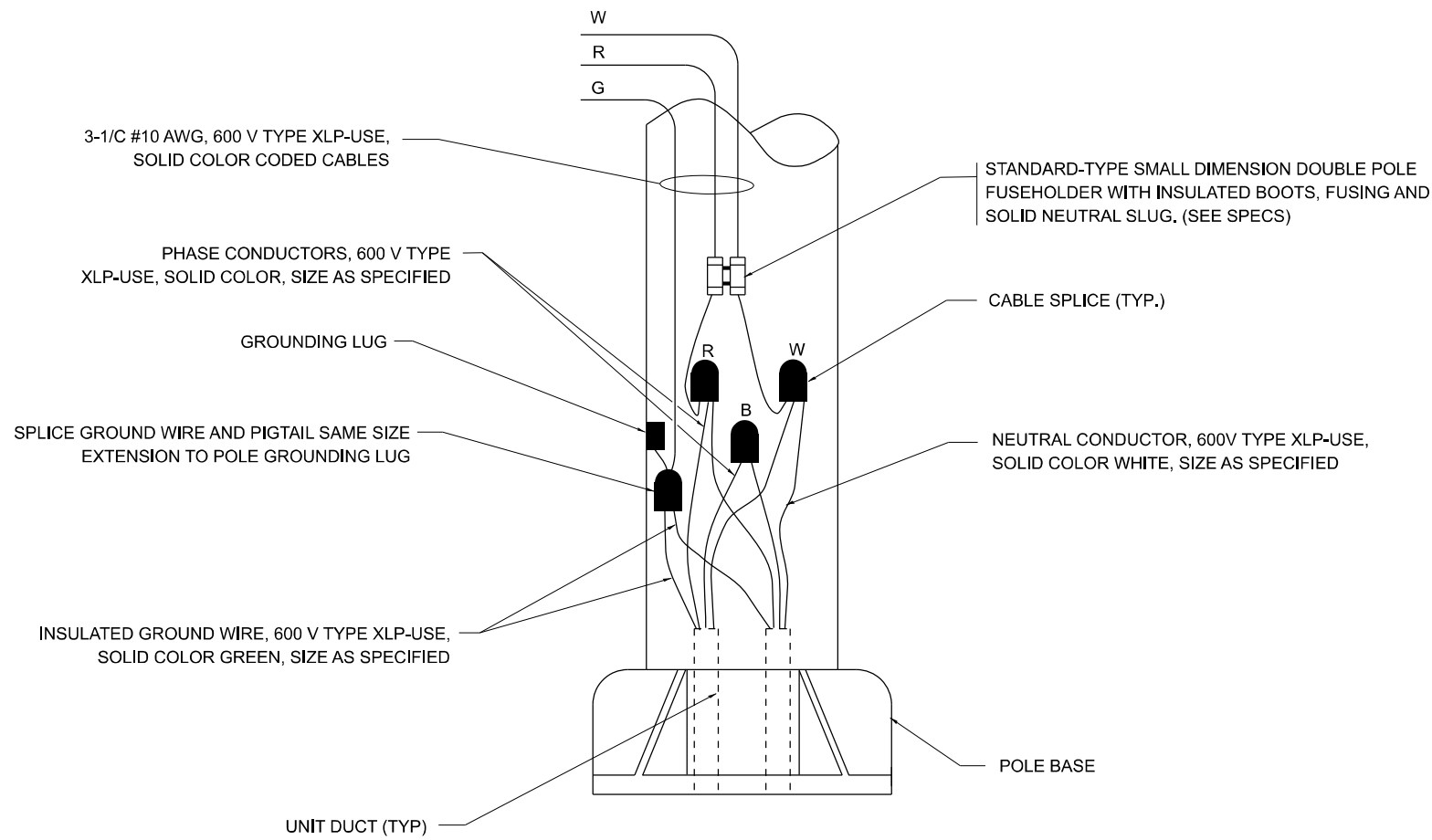


NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY

TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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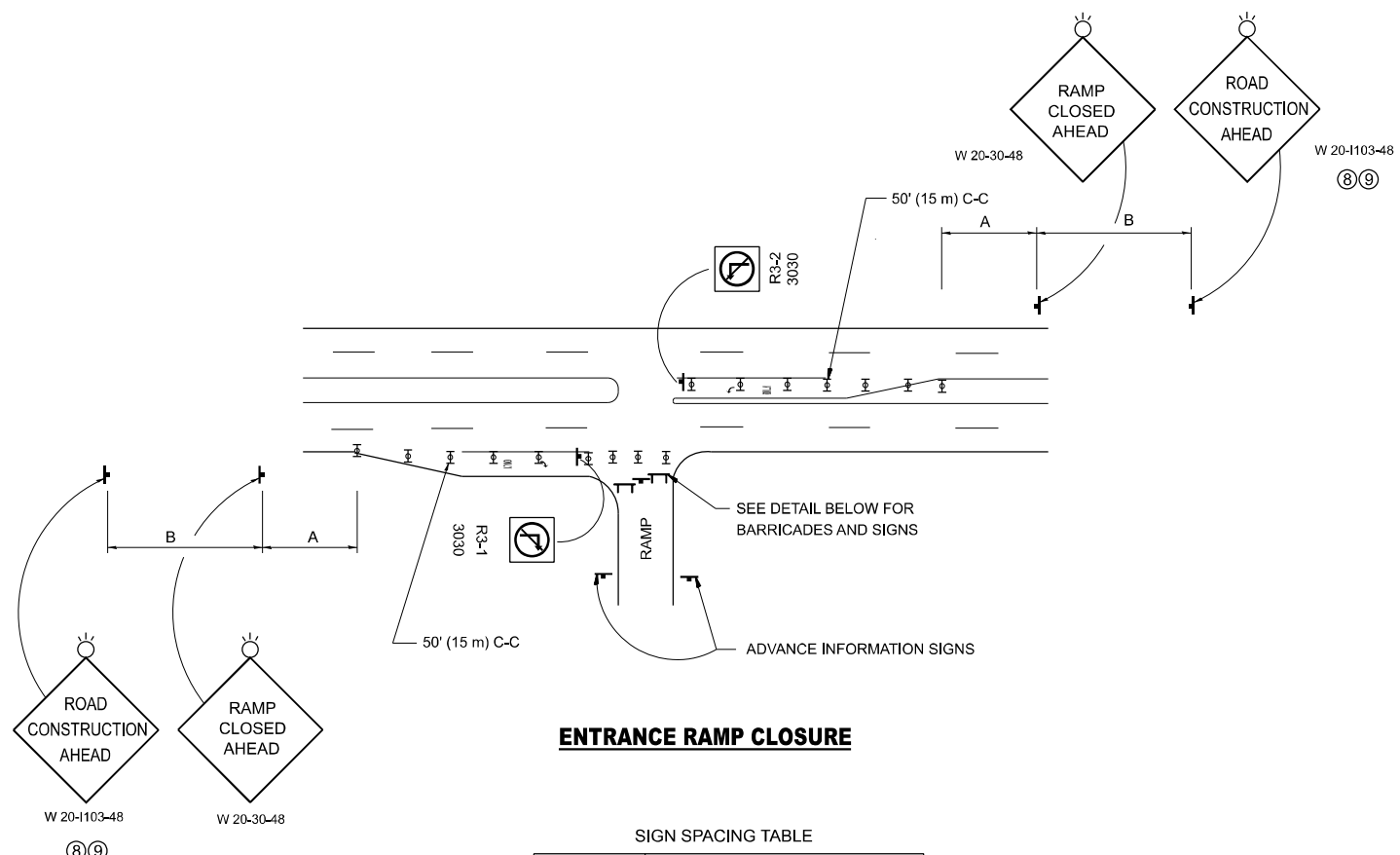
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE - 08/08/2003	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	54
BE-702		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

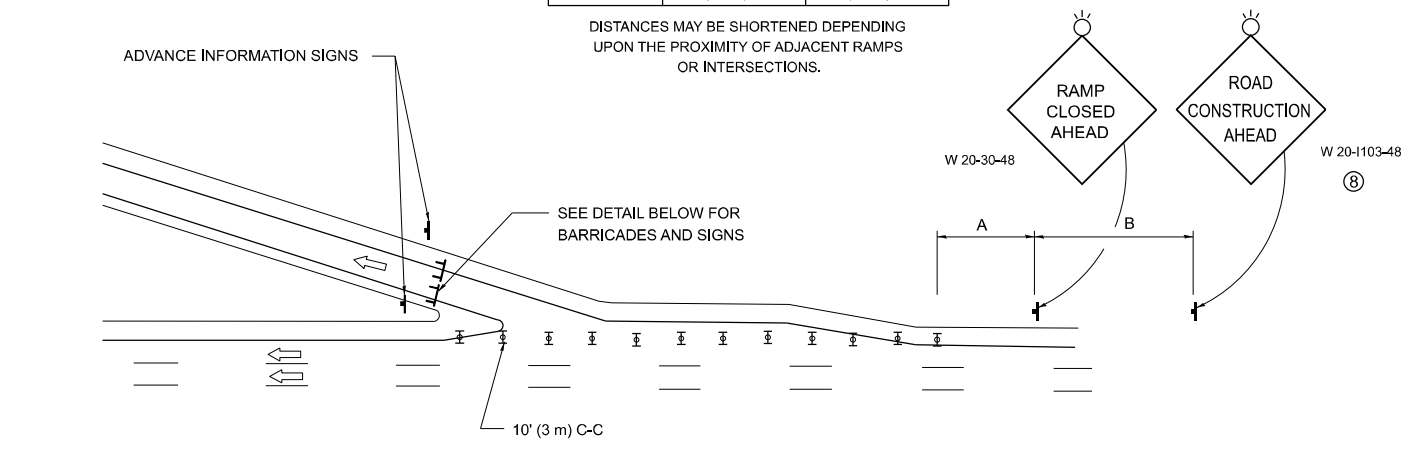


ENTRANCE RAMP CLOSURE

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)

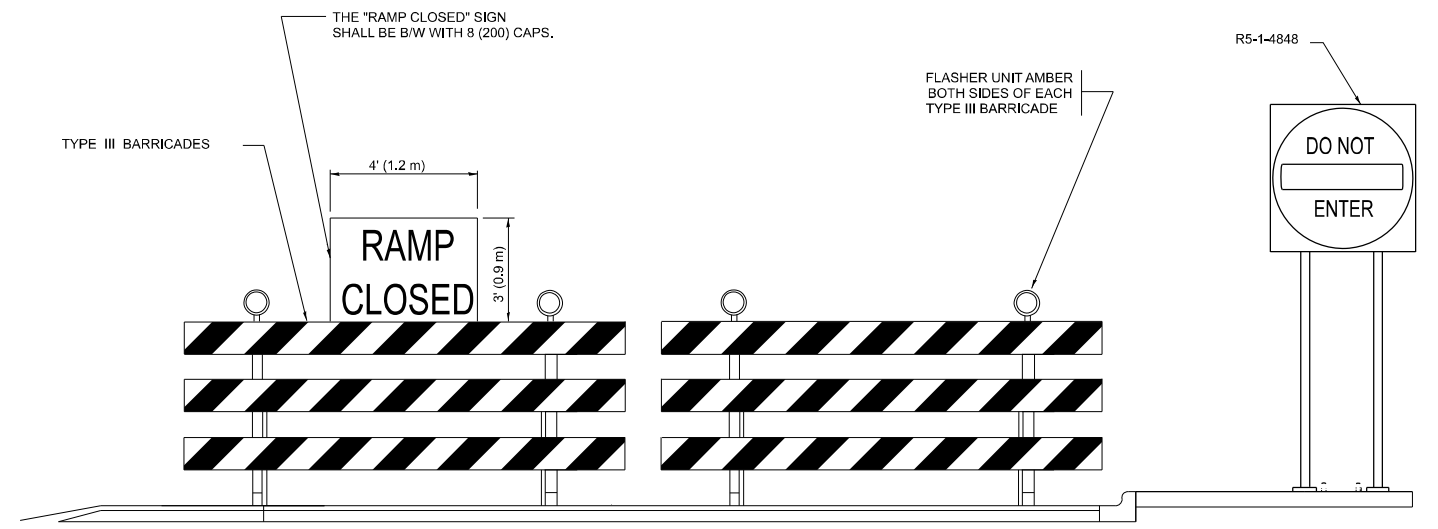
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

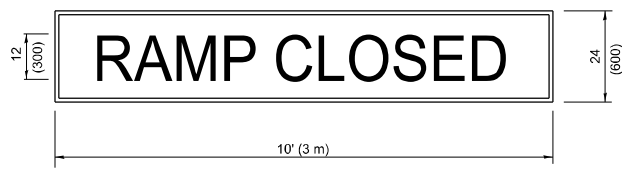
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN

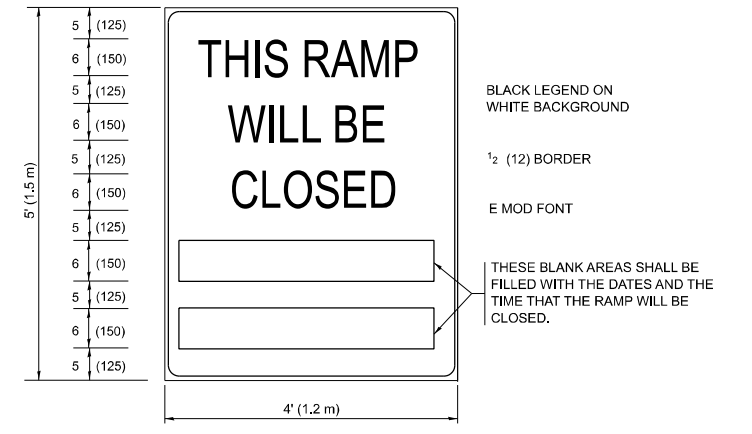


BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

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 ARTERIAL 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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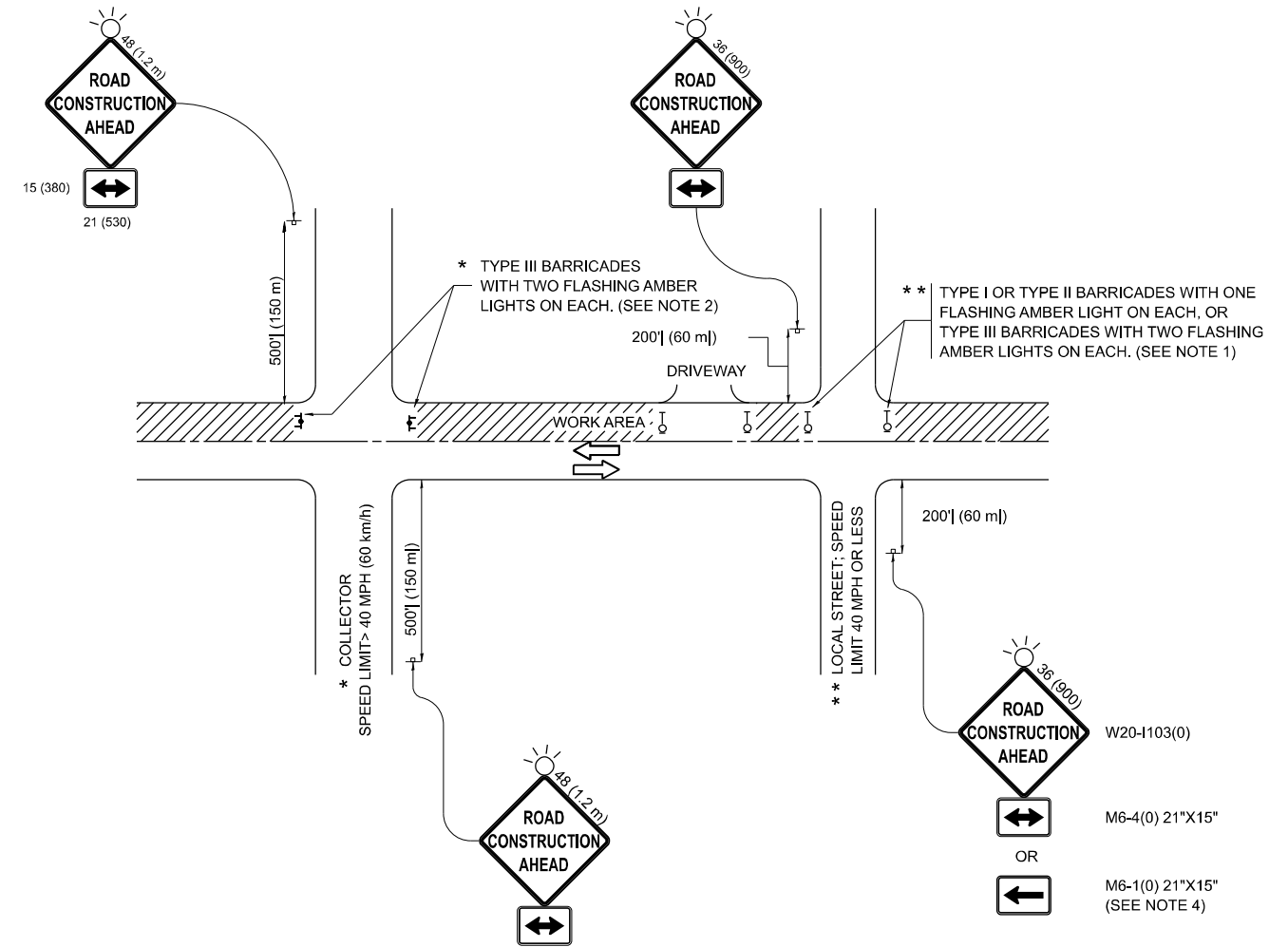
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	CHECKED -	REVISED - M.D._01-18
PLOT DATE = 4/15/2026	DATE - 02-83	REVISED - D.S._05-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	55
TC-08		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		



NOTES:

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

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

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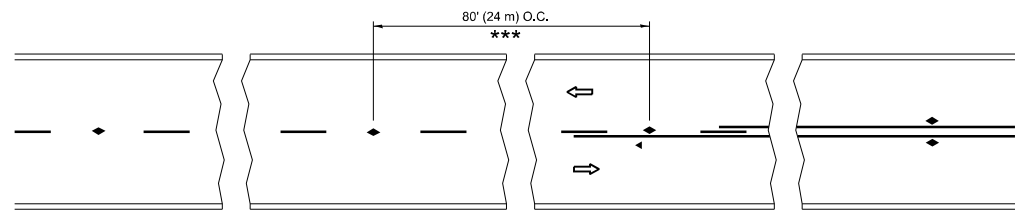
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	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 4/15/2026	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

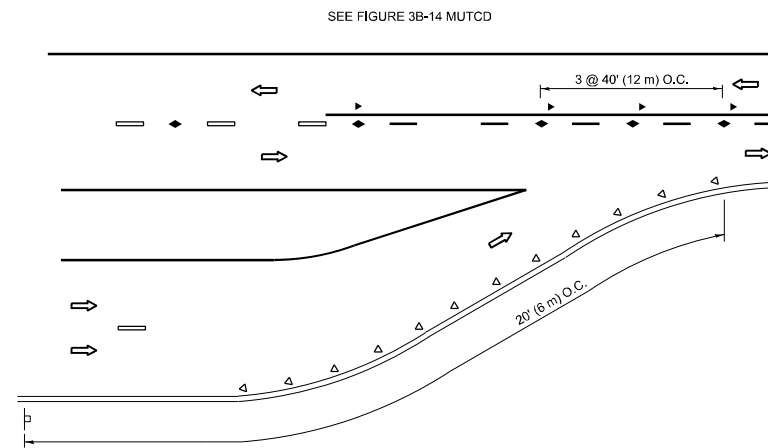
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62J64	
		ILLINOIS	FED. AID PROJECT	

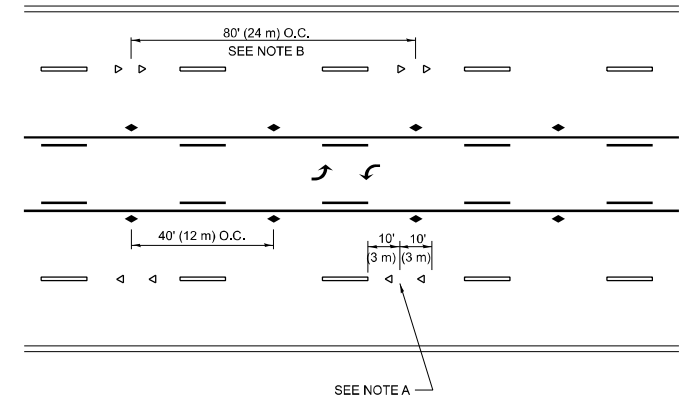


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

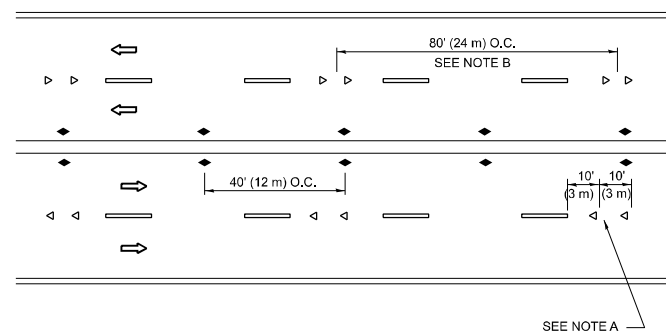
TWO-LANE/TWO-WAY



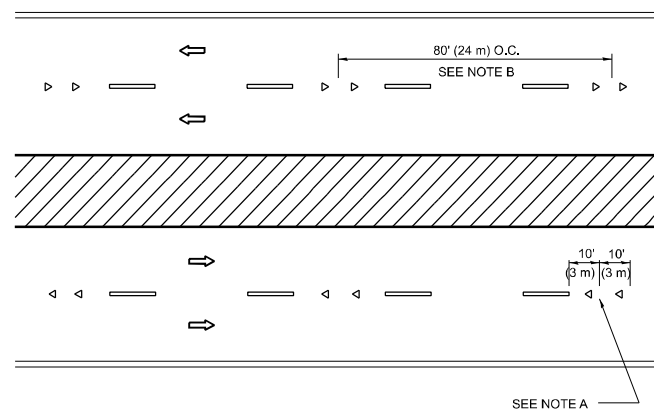
LANE REDUCTION TRANSITION



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

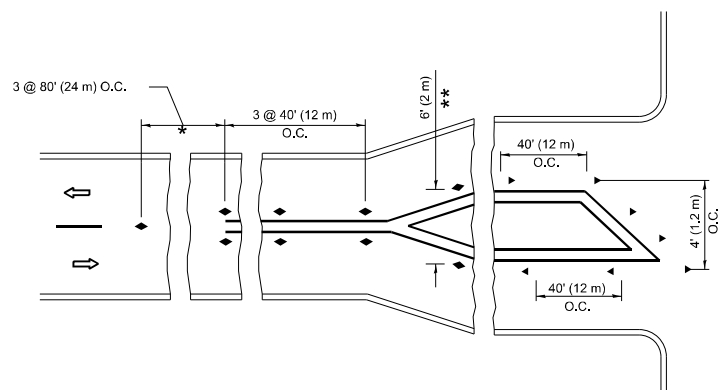
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

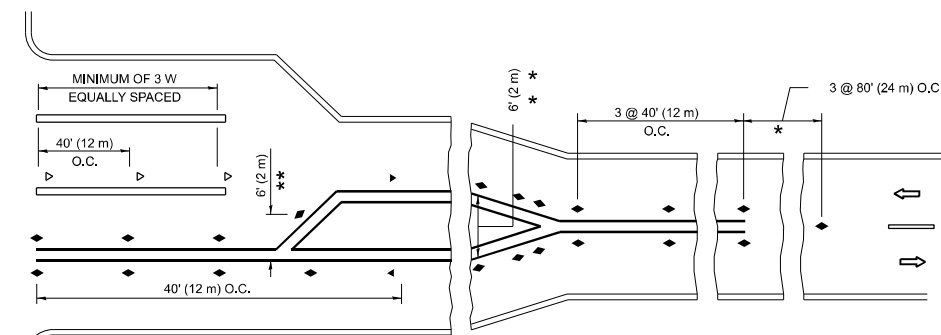
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

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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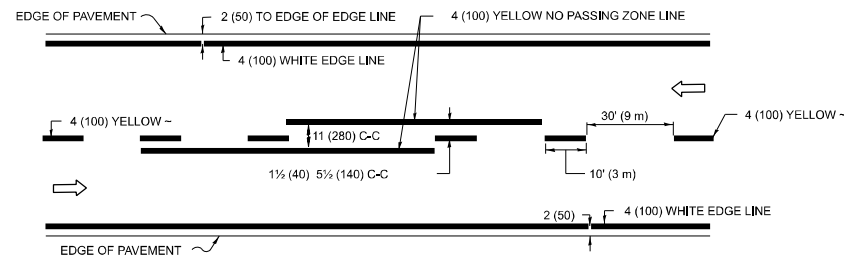
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

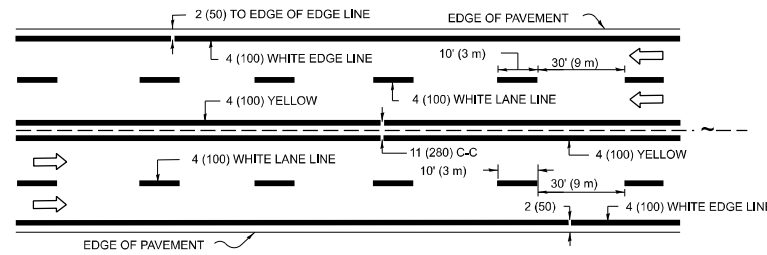
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

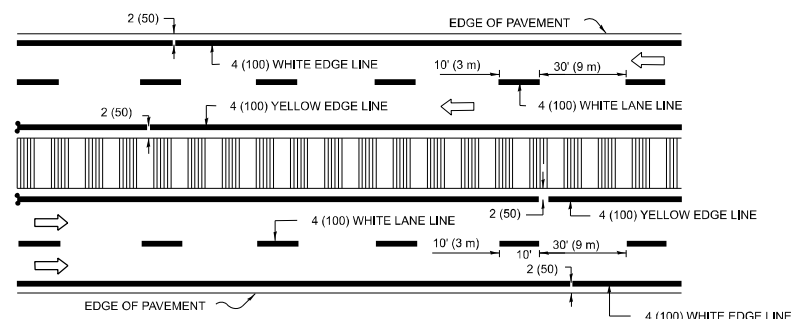
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	57
TC-11			CONTRACT NO. 62J64	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

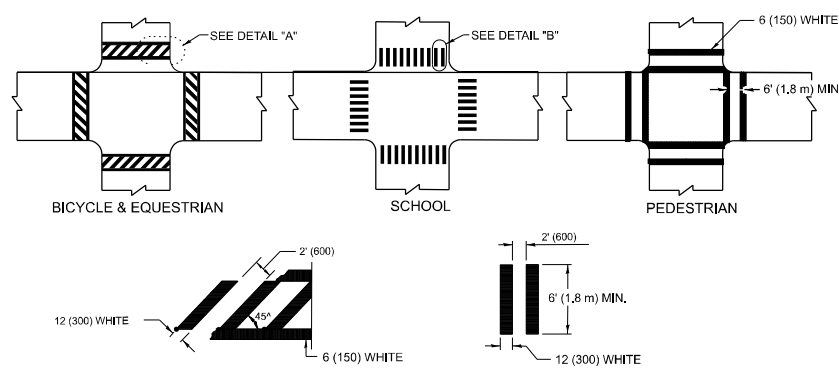


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

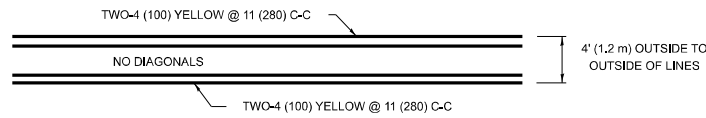
TYPICAL LANE AND EDGE LINE MARKING



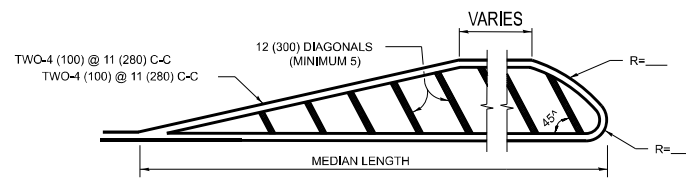
DETAIL "A" DETAIL "B"

TYPICAL CROSSWALK MARKING

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

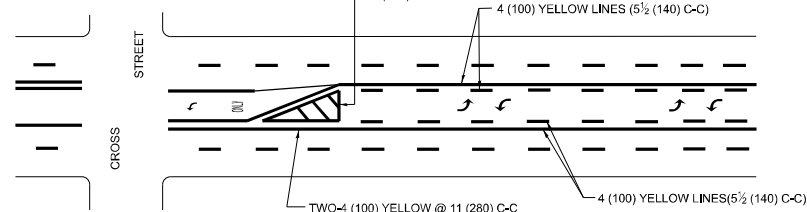


4' (1.2 m) WIDE MEDIANS ONLY

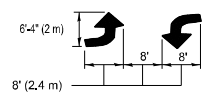


MEDIANS OVER 4' (1.2 m) WIDE

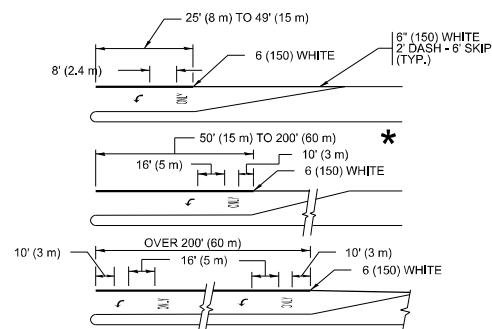
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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



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

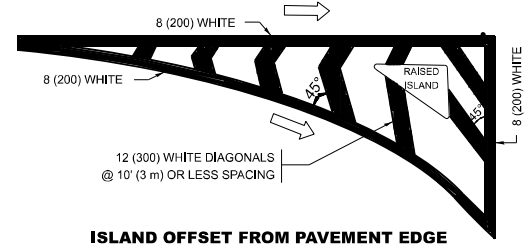


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

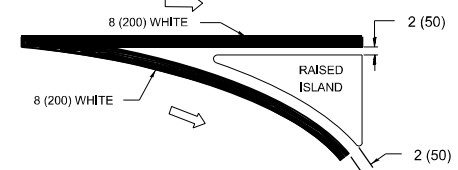
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

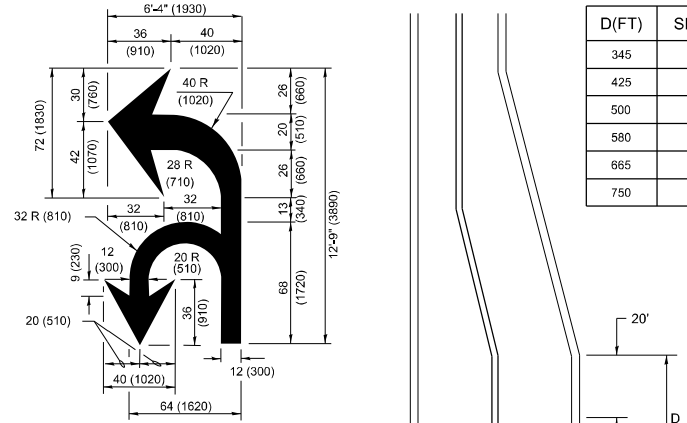


ISLAND OFFSET FROM PAVEMENT EDGE

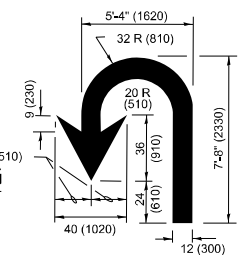


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE-FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES - "RR" IS 6' (1.8 m) LETTERS: 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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	DRAWN - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 07-01-13
	CHECKED - C. JUCIUS 12-21-15	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 4/15/2026	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	58
TC-13		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

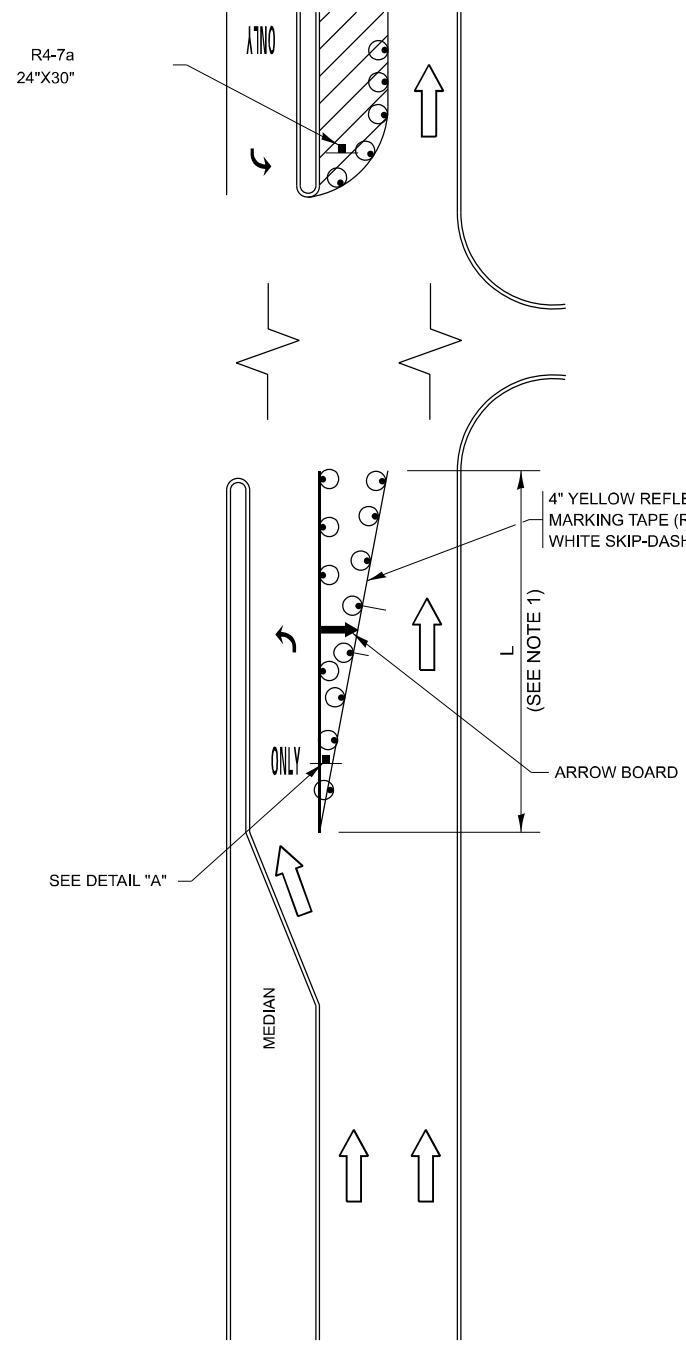


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

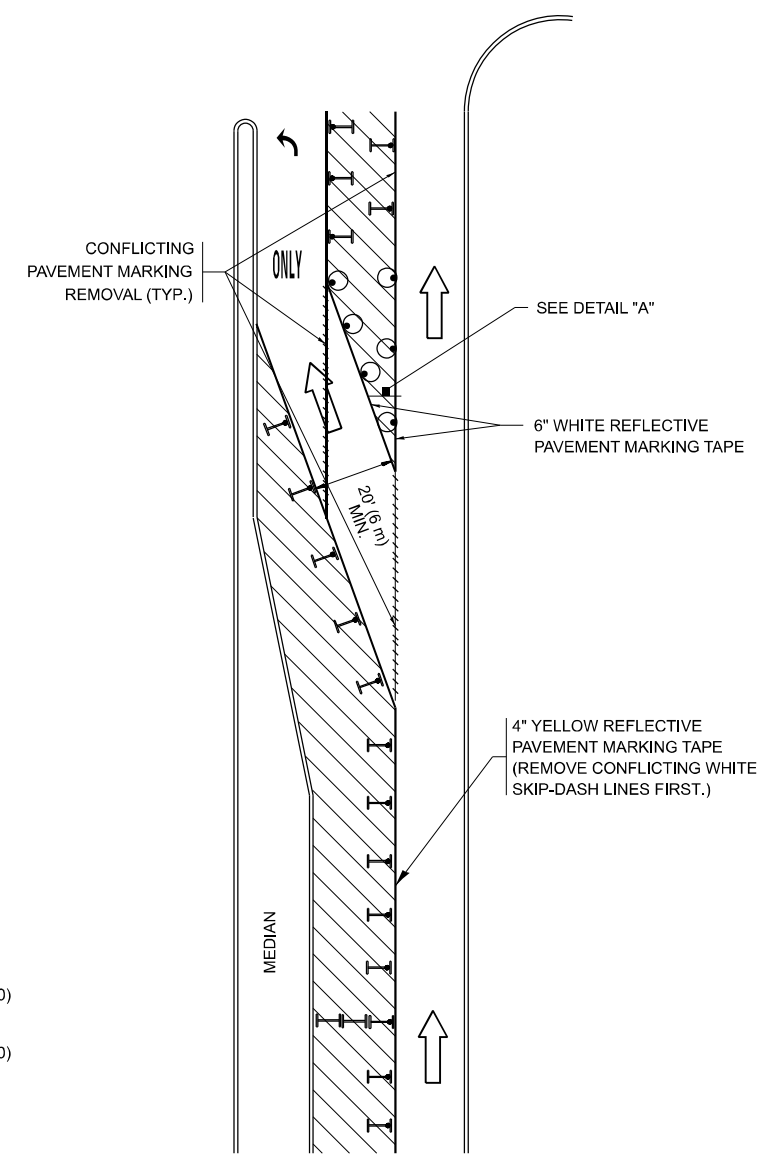


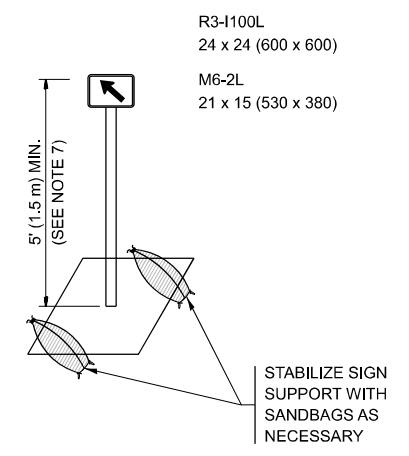
FIGURE 2

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 REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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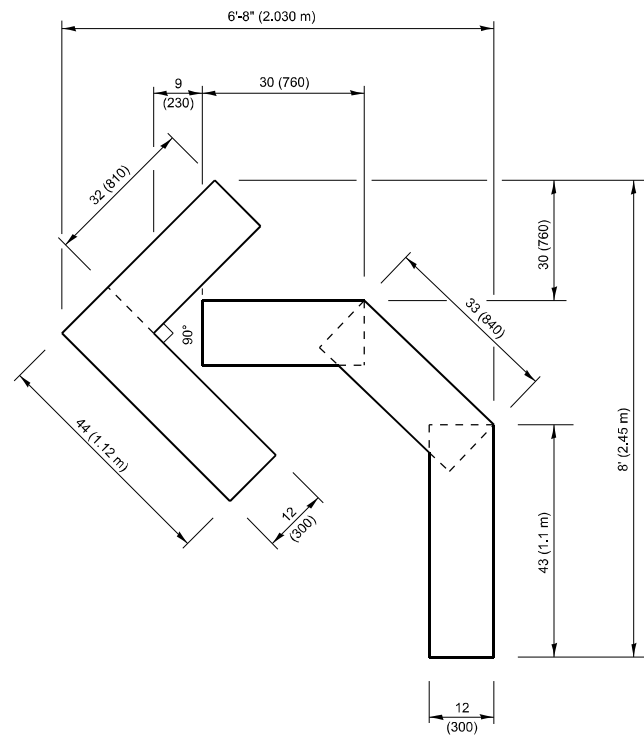
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 4/15/2026	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

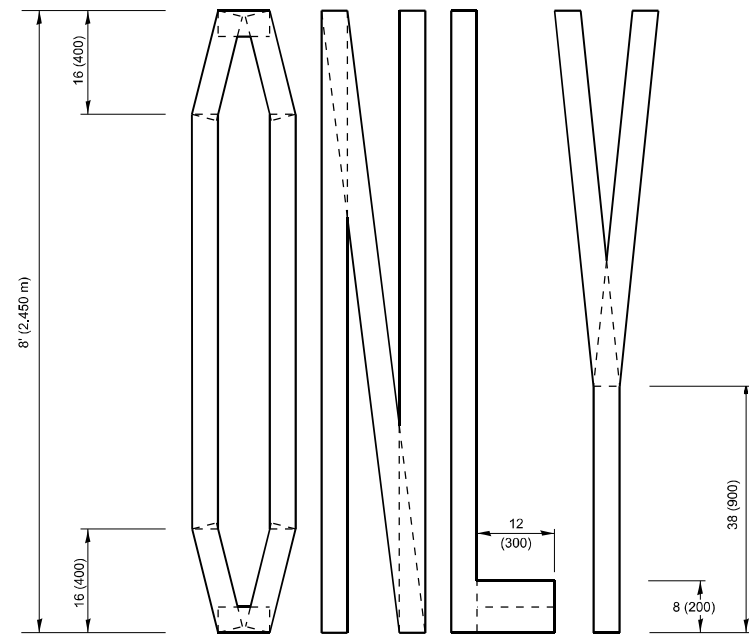
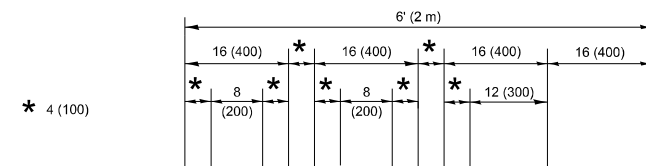
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				



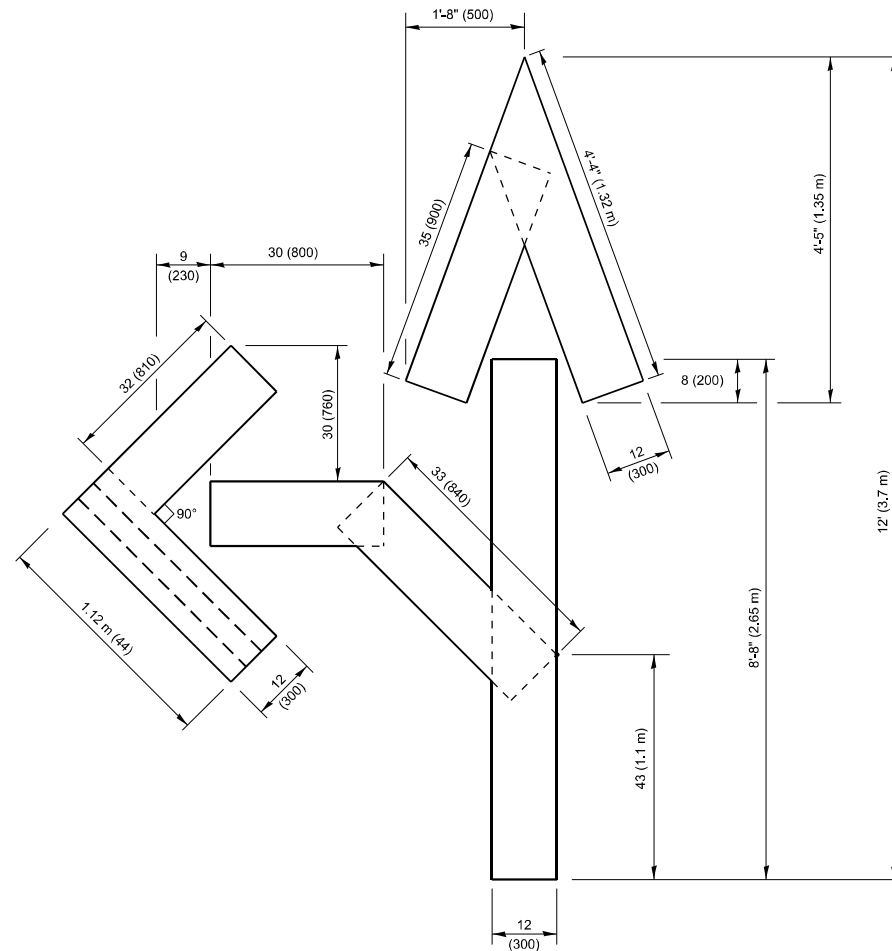
QUANTITY

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



QUANTITY

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

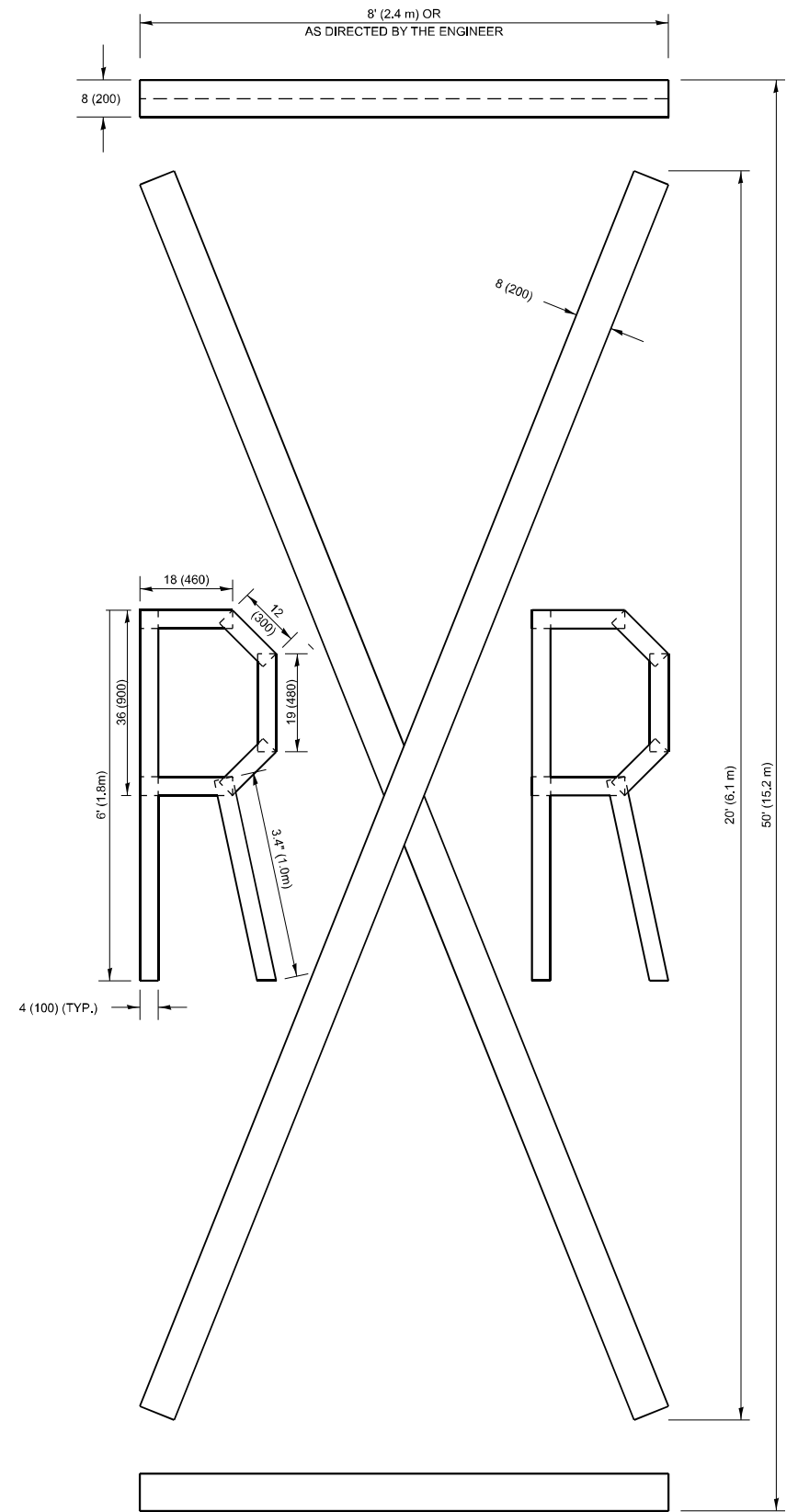


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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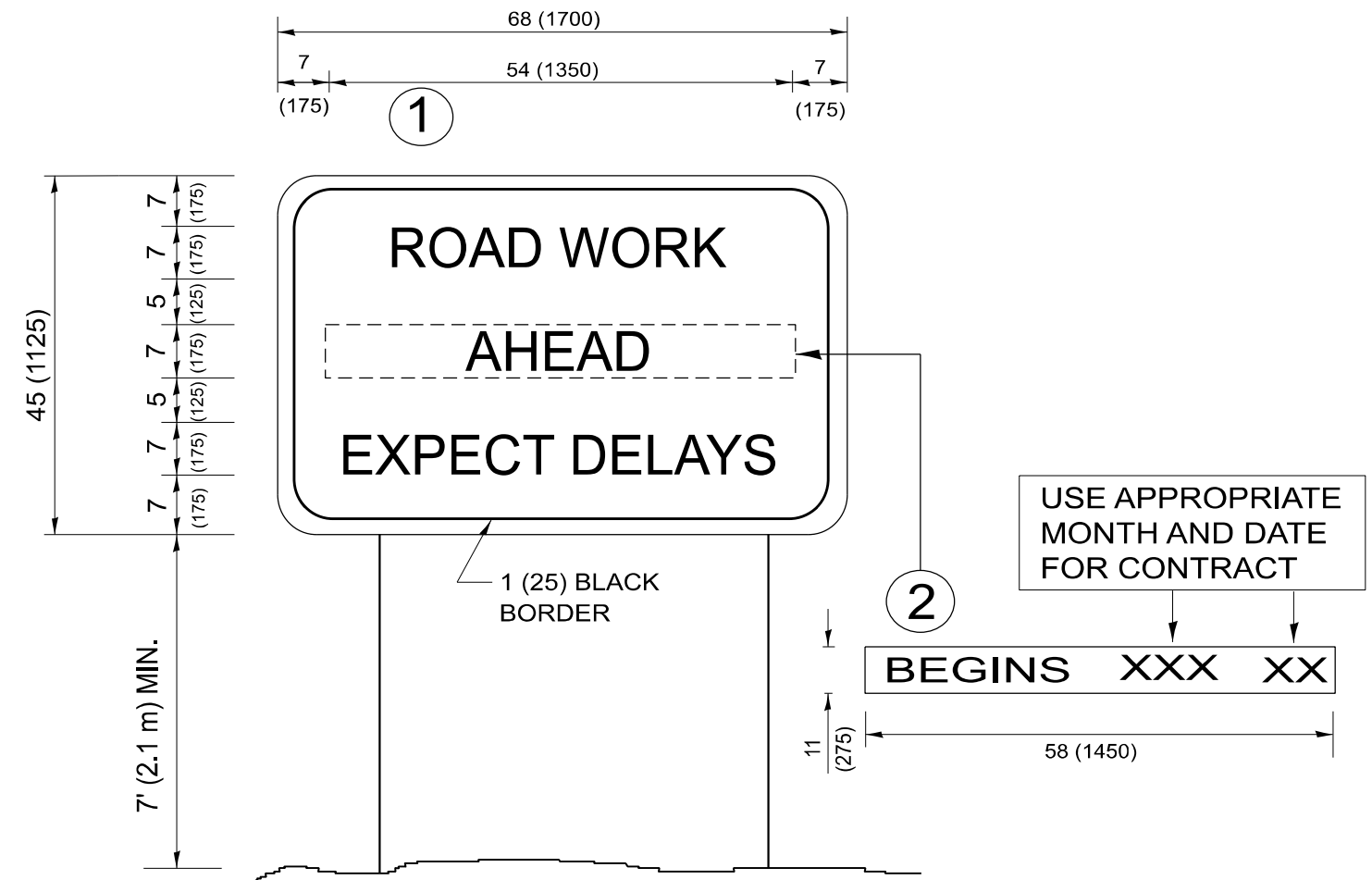
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	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 4/15/2026	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	60
TC-16		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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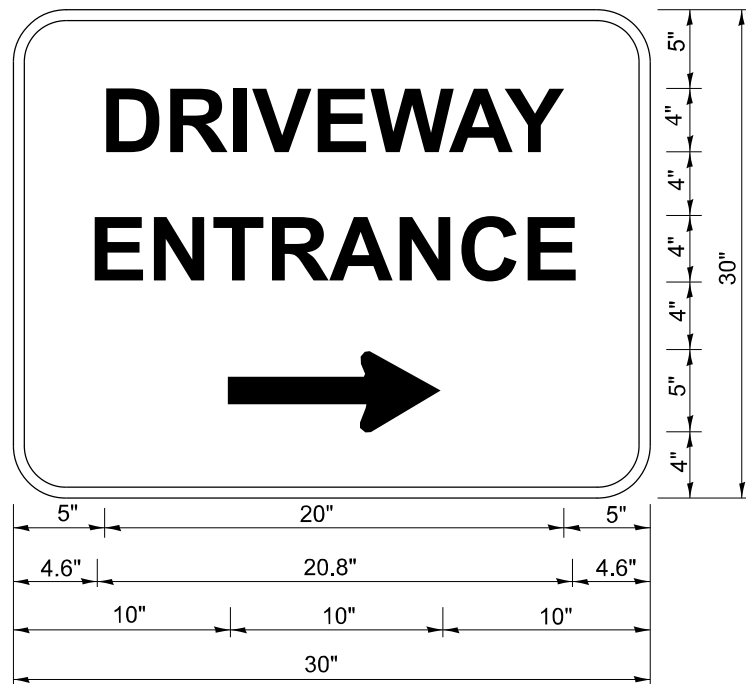
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PLOT DATE = 4/15/2026	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	62
TC-22			CONTRACT NO. 62J64	
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	63
TC-26			CONTRACT NO. 62J64	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

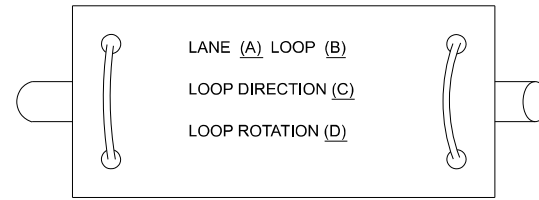
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	64
TS-01		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

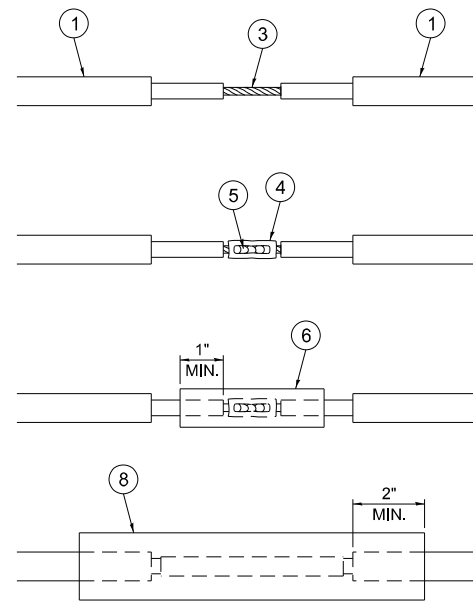
DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE, SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" APART.
9. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



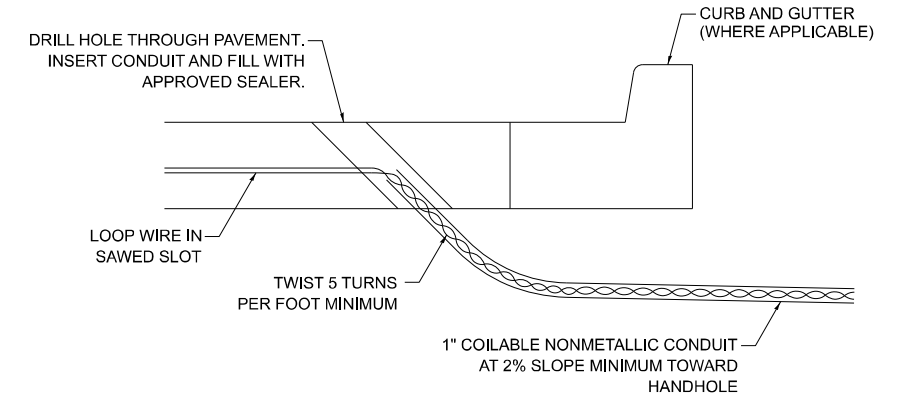
- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

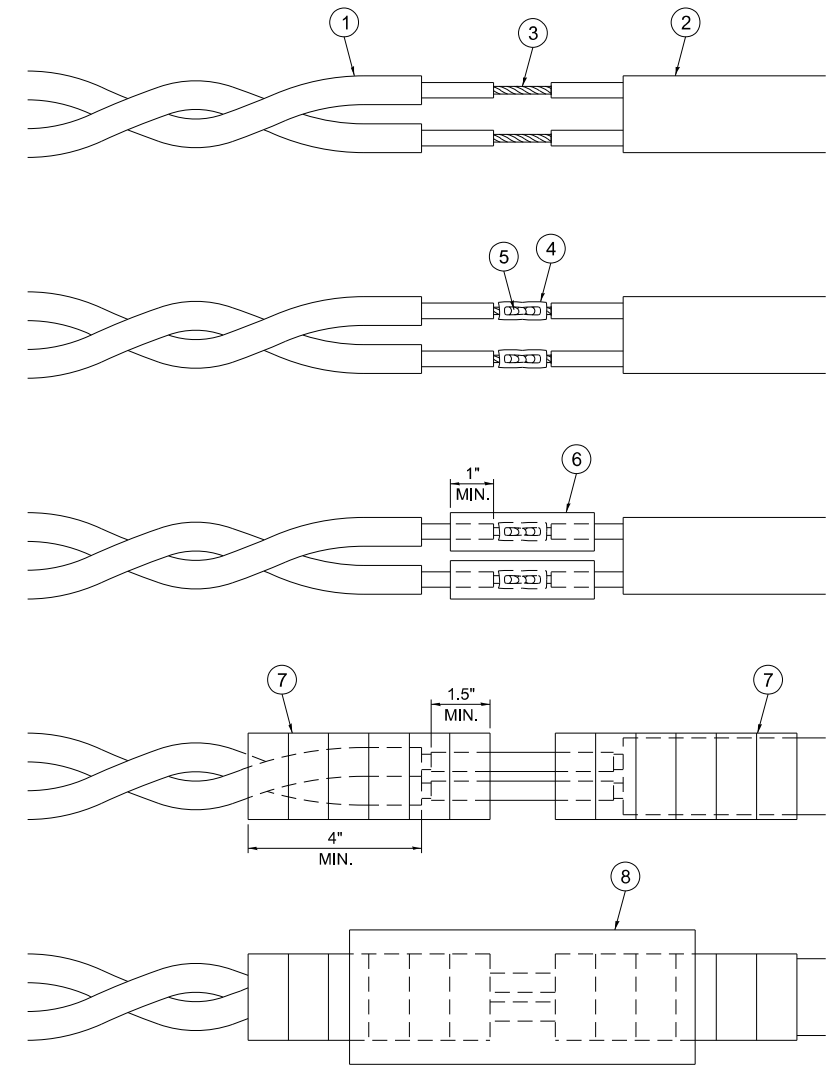


LOOP-TO-LOOP SPLICE DETAIL

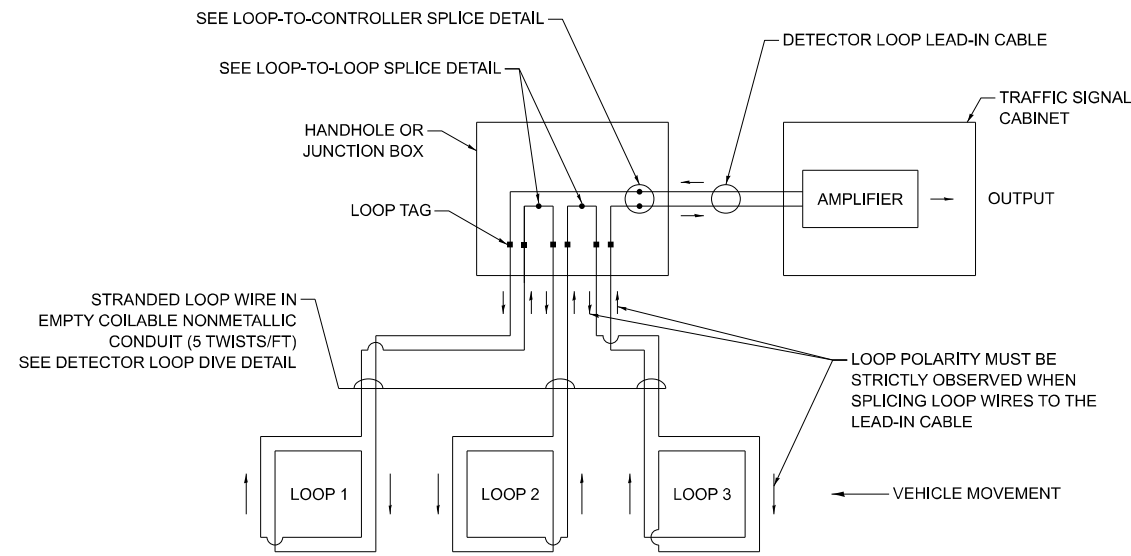
- ① DETECTOR LOOP CABLE.
- ② DETECTOR LOOP LEAD-IN CABLE
- ③ BARE CONDUCTORS TWISTED TOGETHER.
- ④ BUTT SPLICE CRIMP CONNECTOR.
- ⑤ SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
- ⑥ WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH,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



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL



DETECTOR LOOP WIRING SCHEMATIC

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	CHECKED - NB/KK	REVISED -
PLOT DATE = 4/15/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

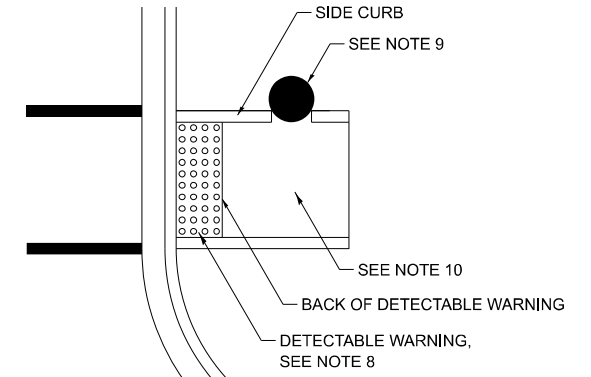
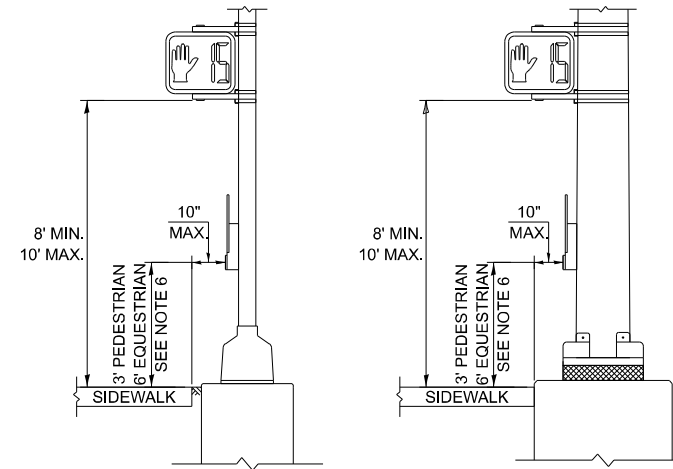
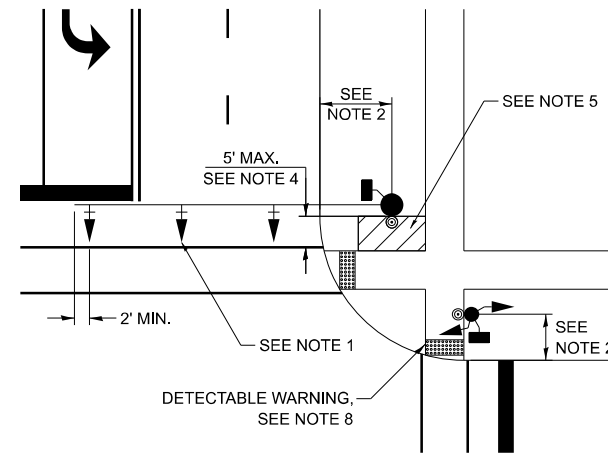
SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	65
TS-01		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

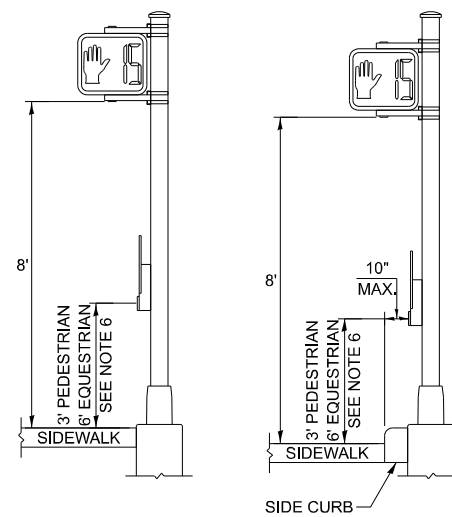
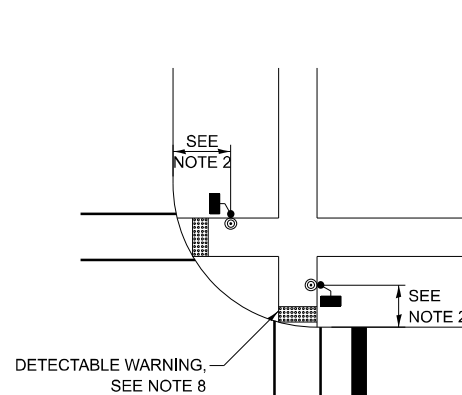
NOTES:

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

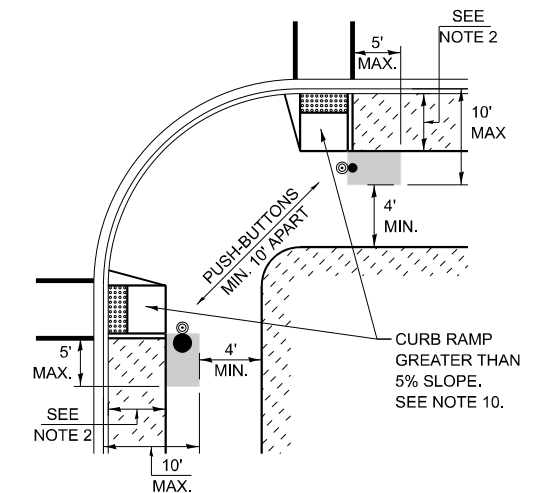
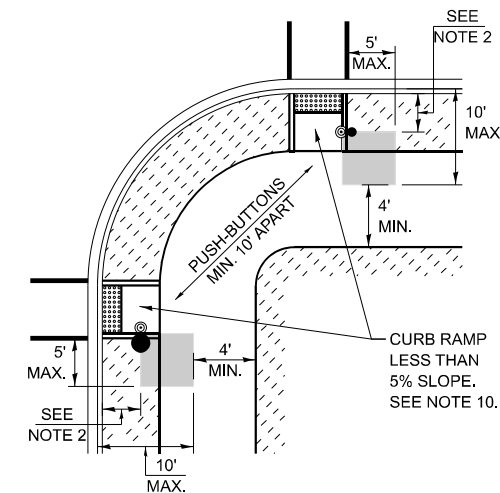
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



PUSH-BUTTON LOCATIONS



■ PREFERRED PUSH-BUTTON LOCATION

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

TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

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

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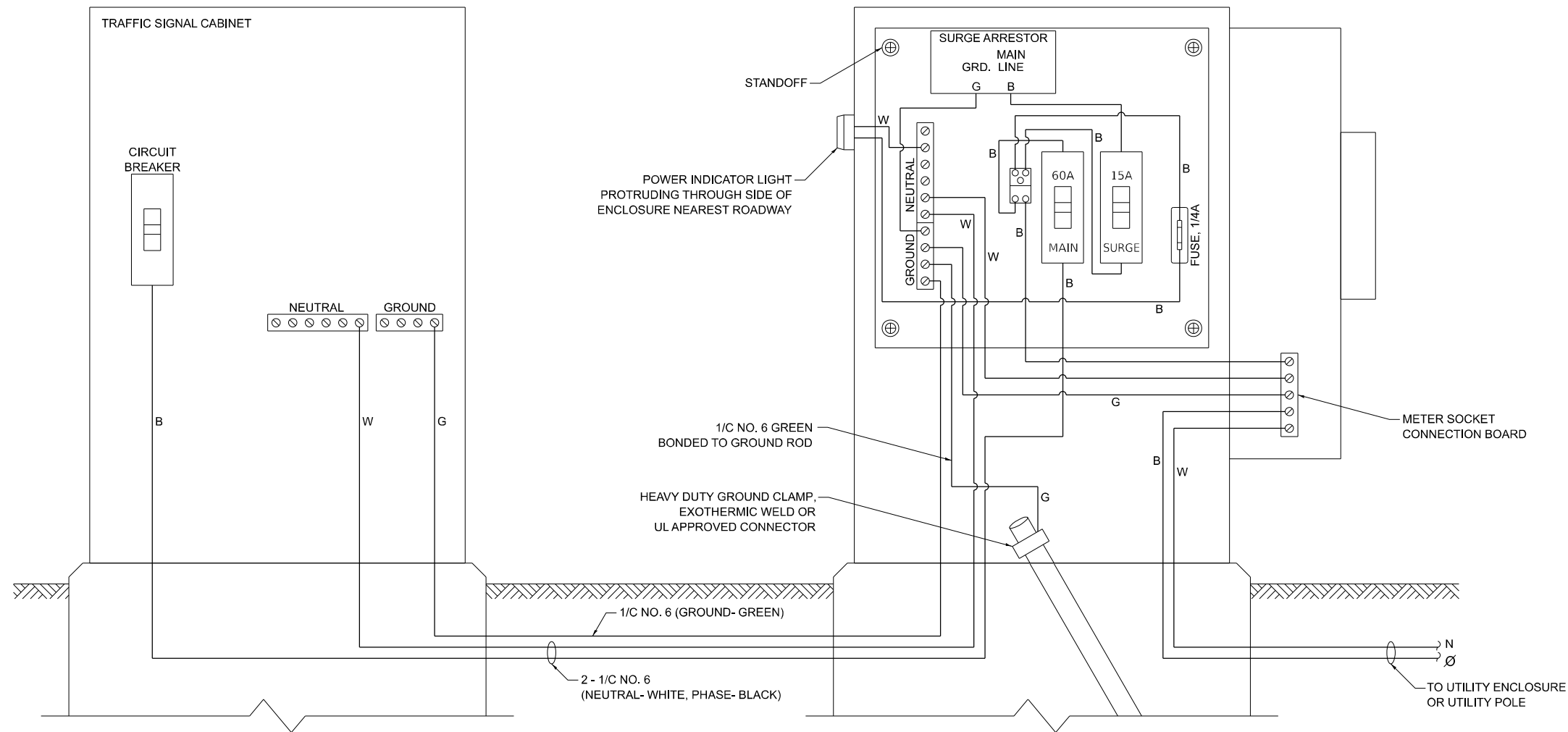
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	CHECKED - NB/KK	REVISED -
PLOT DATE = 4/15/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

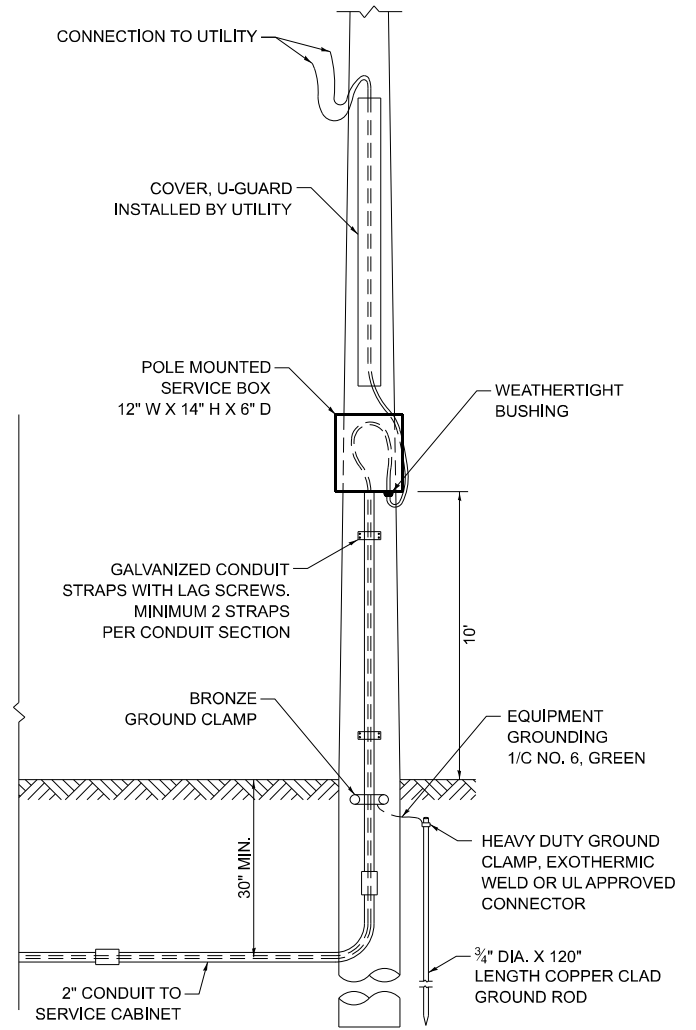
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	66
TS-01		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				



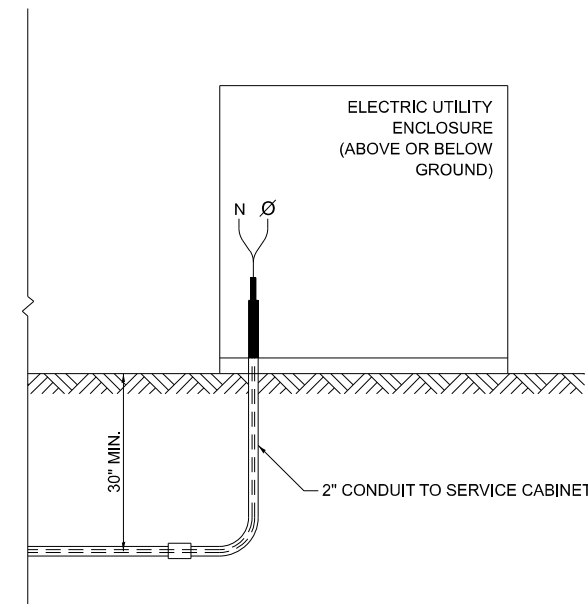
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

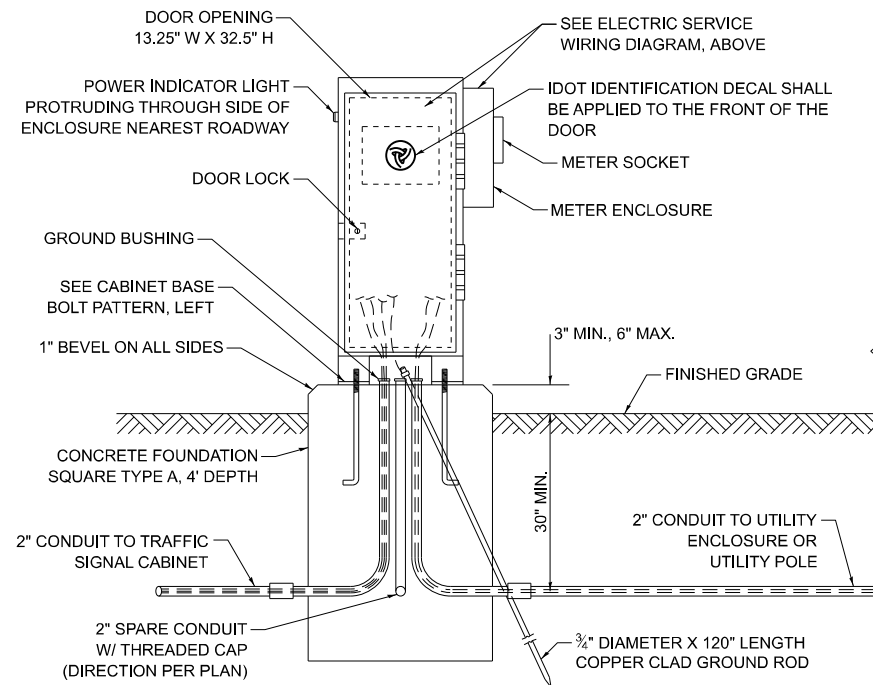
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3.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



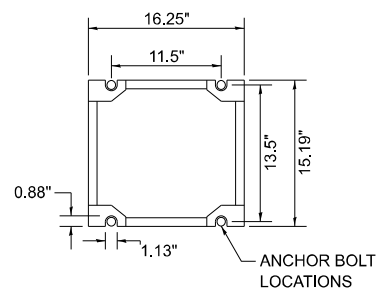
CONNECTION TO UTILITY POLE



CONNECTION TO UTILITY ENCLOSURE



SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CABINET BASE BOLT PATTERN

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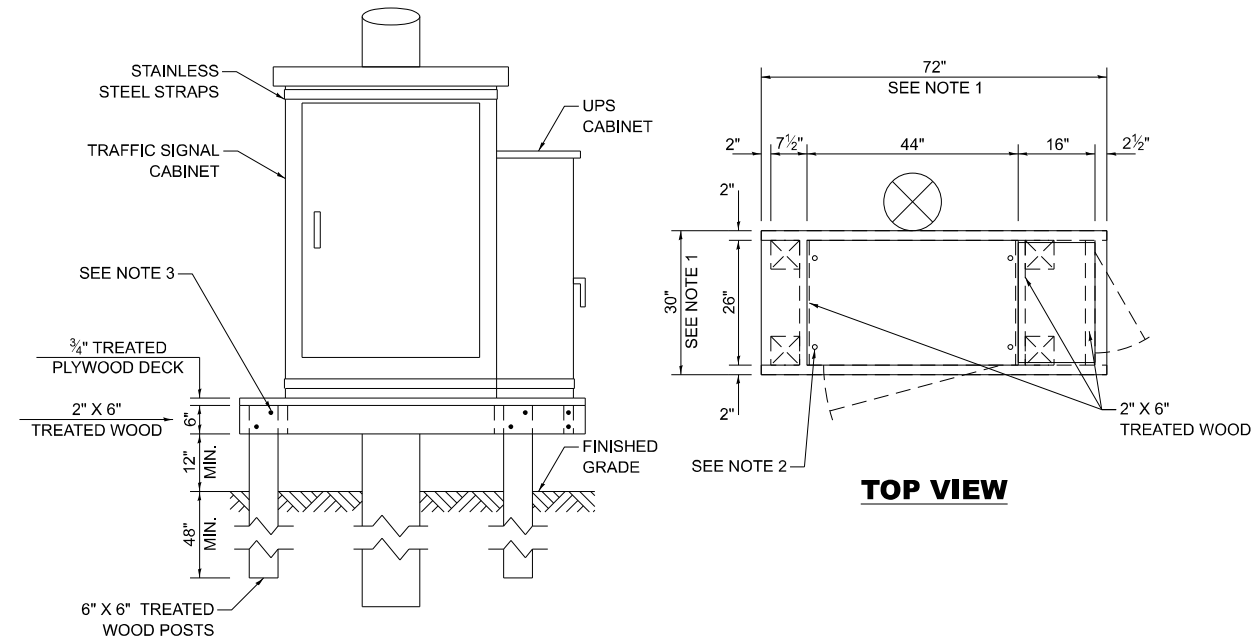
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PLOT DATE = 4/15/2026	DATE - 10/15/2025	REVISED -

**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.U. RTE. 1273	SECTION 2019-122-RS&SW	COUNTY COOK	TOTAL SHEETS 77	SHEET NO. 67
TS-01		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				



NOTES:

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

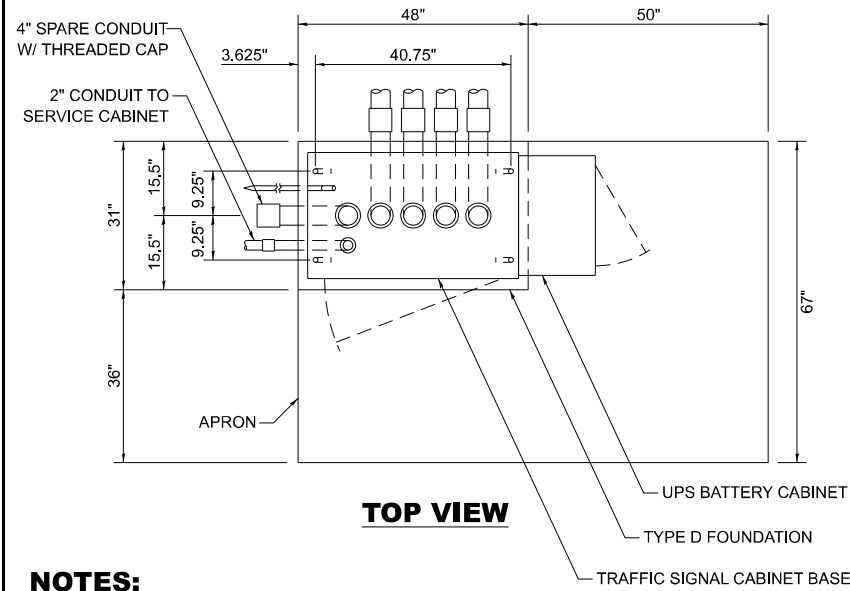
TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

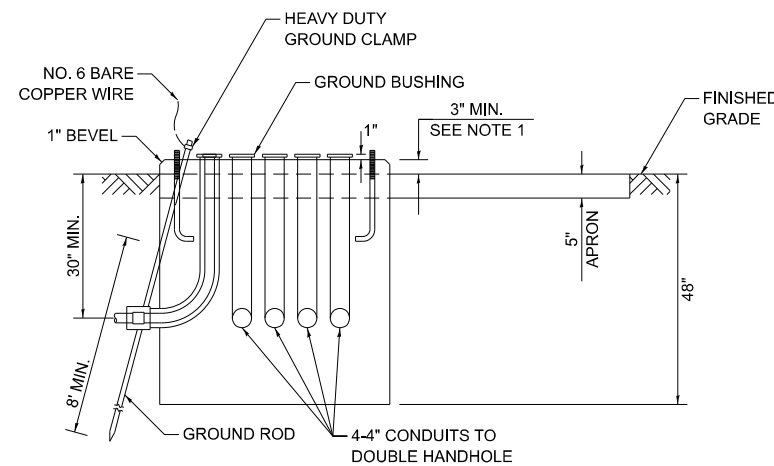
TYPE E FOUNDATION NOTES:

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

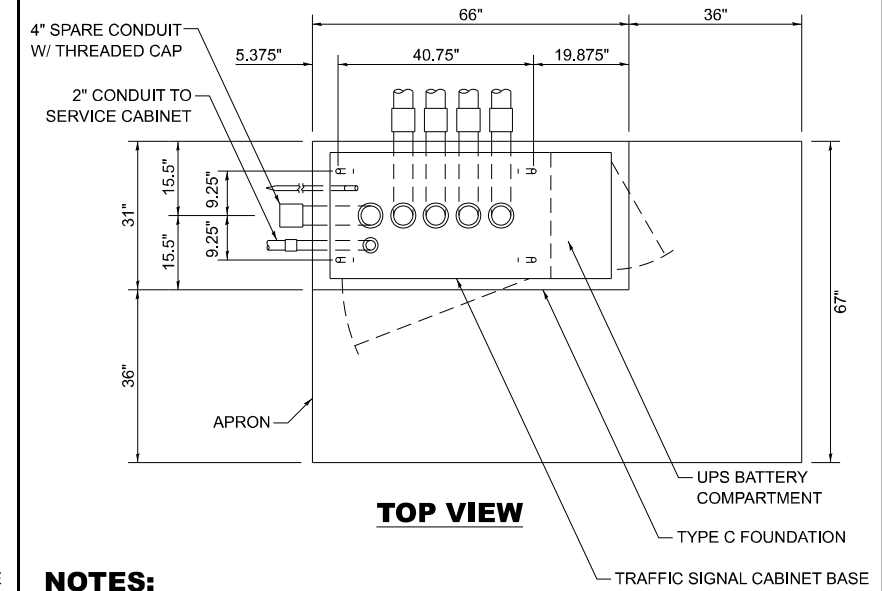


NOTES:

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

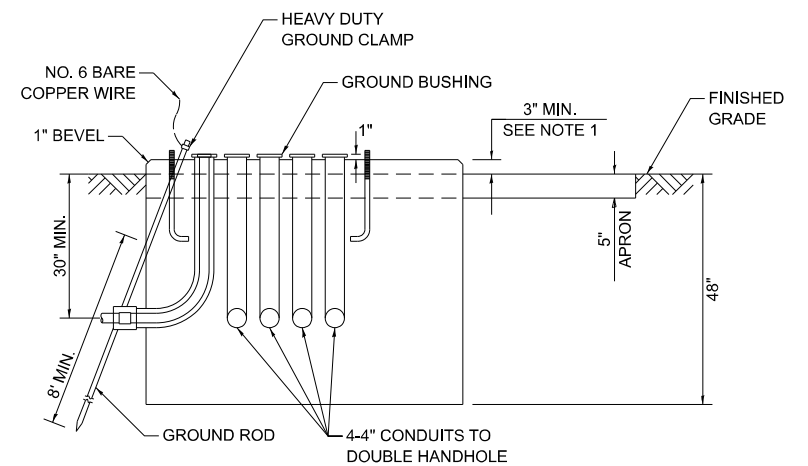


TYPE D FOUNDATION TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET



NOTES:

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



TYPE C FOUNDATION SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS

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

DEPTH OF FOUNDATIONS TYPES A, C & D

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

VERTICAL CABLE LENGTH

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

CABLE SLACK LENGTH

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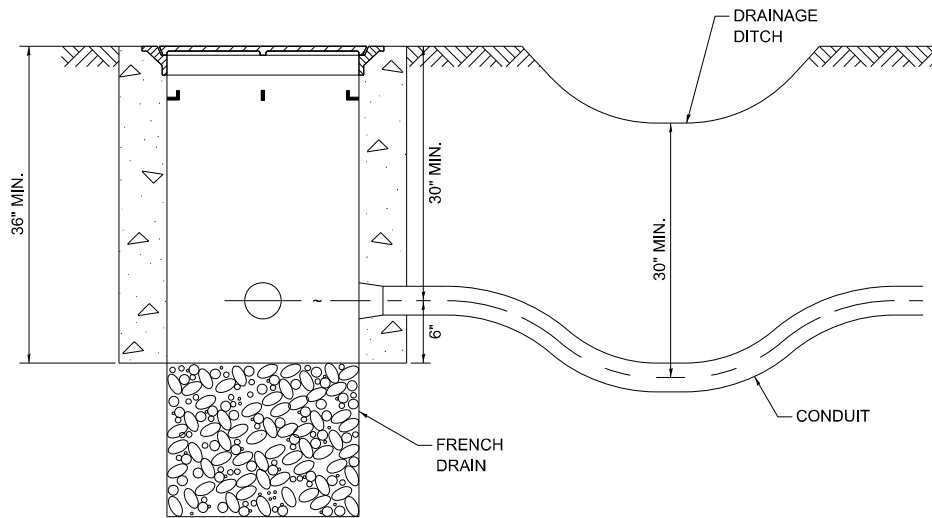
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

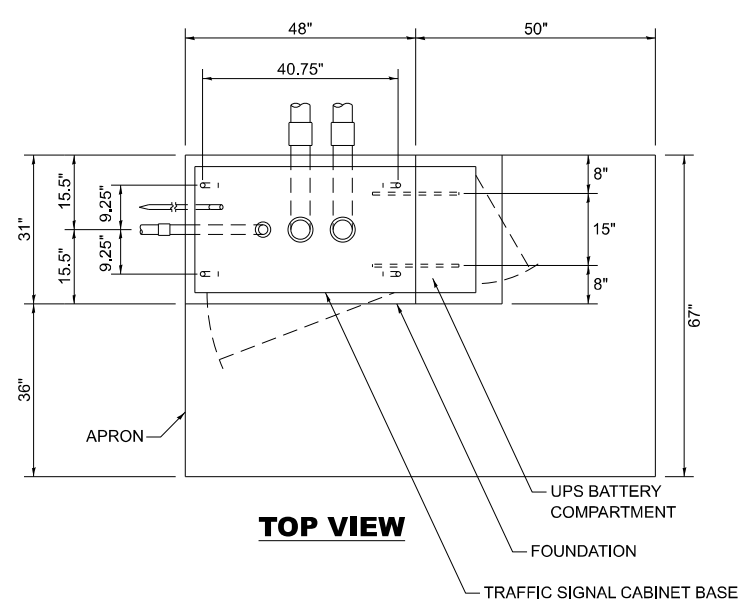
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	68
TS-01			CONTRACT NO. 62J64	
ILLINOIS FED. AID PROJECT				



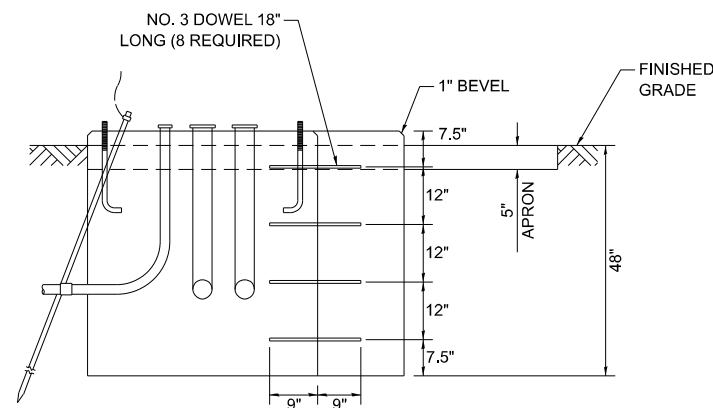
NOTES:

1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND.
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

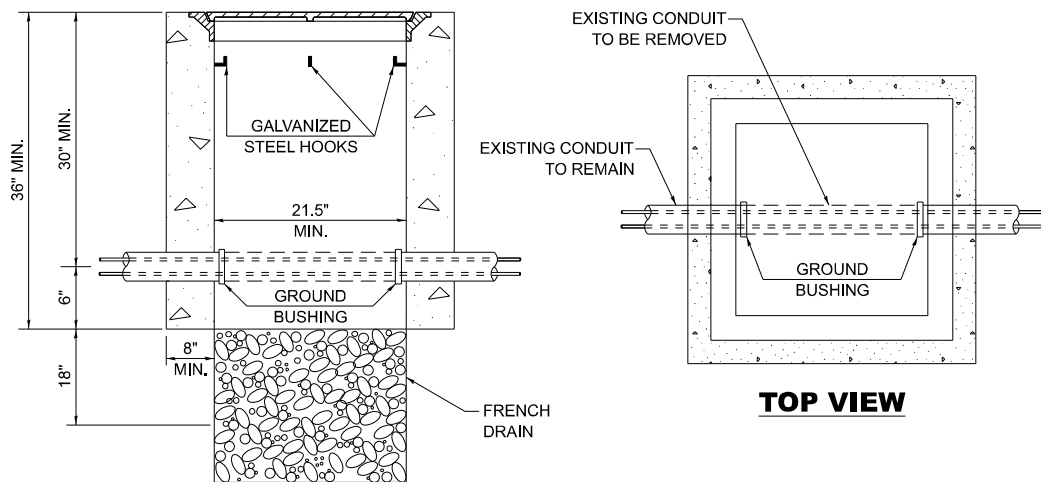
HANDHOLE WITH MINIMUM CONDUIT DEPTH



TOP VIEW



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

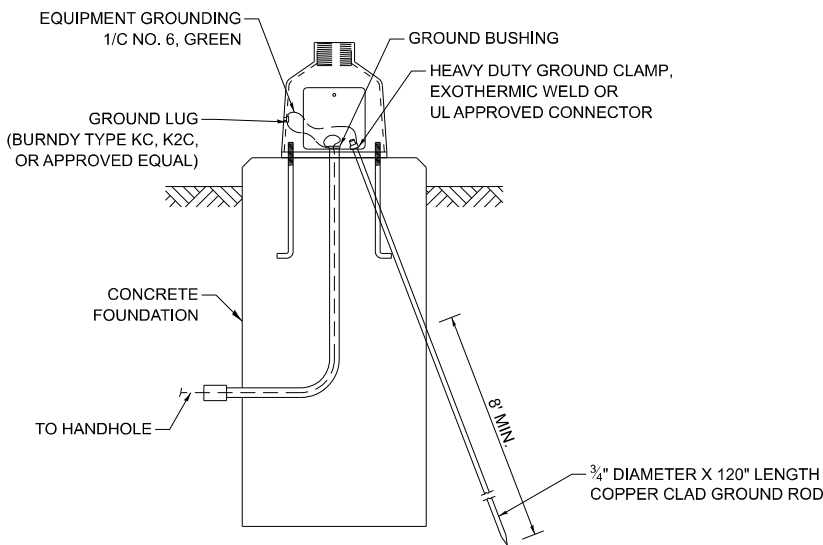


TOP VIEW

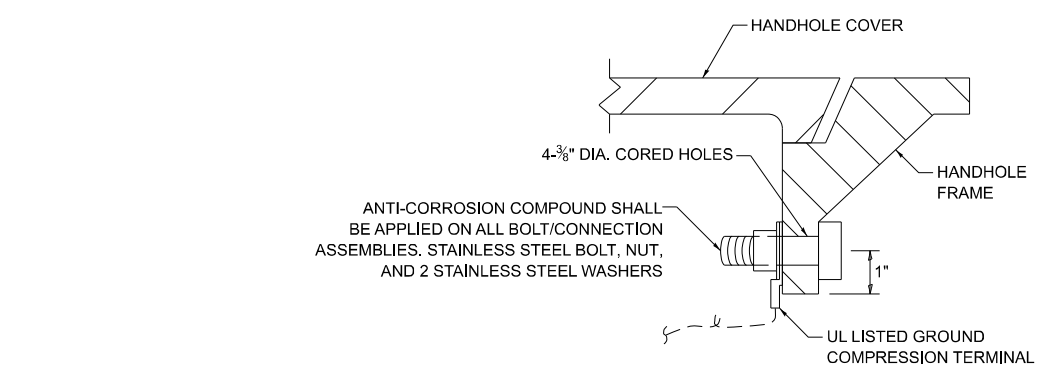
NOTES:

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

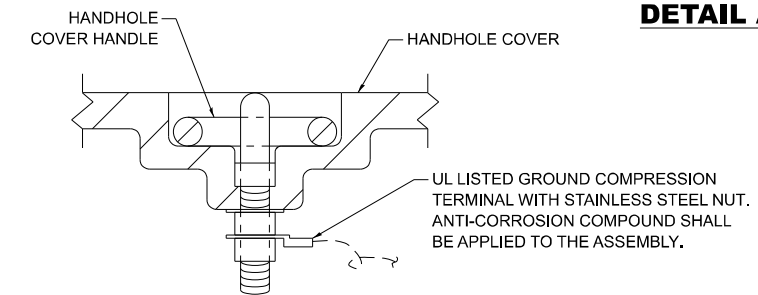
HANDHOLE TO INTERCEPT EXISTING CONDUIT



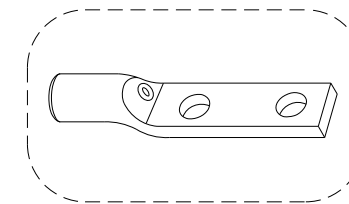
MAST ARM / POST GROUNDING DETAIL



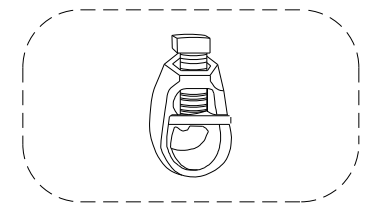
DETAIL A



DETAIL B



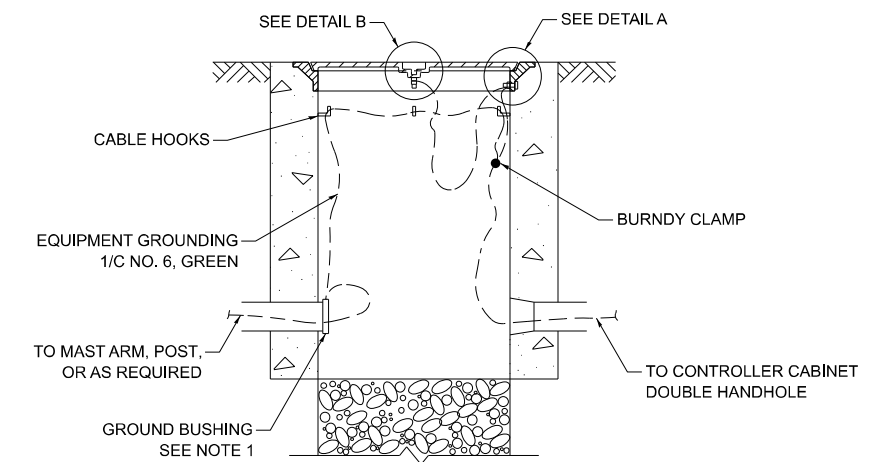
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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

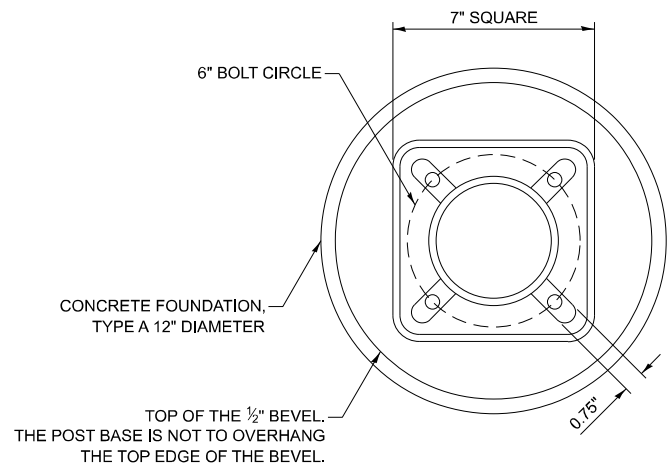
NOTES:

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



HANDHOLE GROUNDING DETAIL

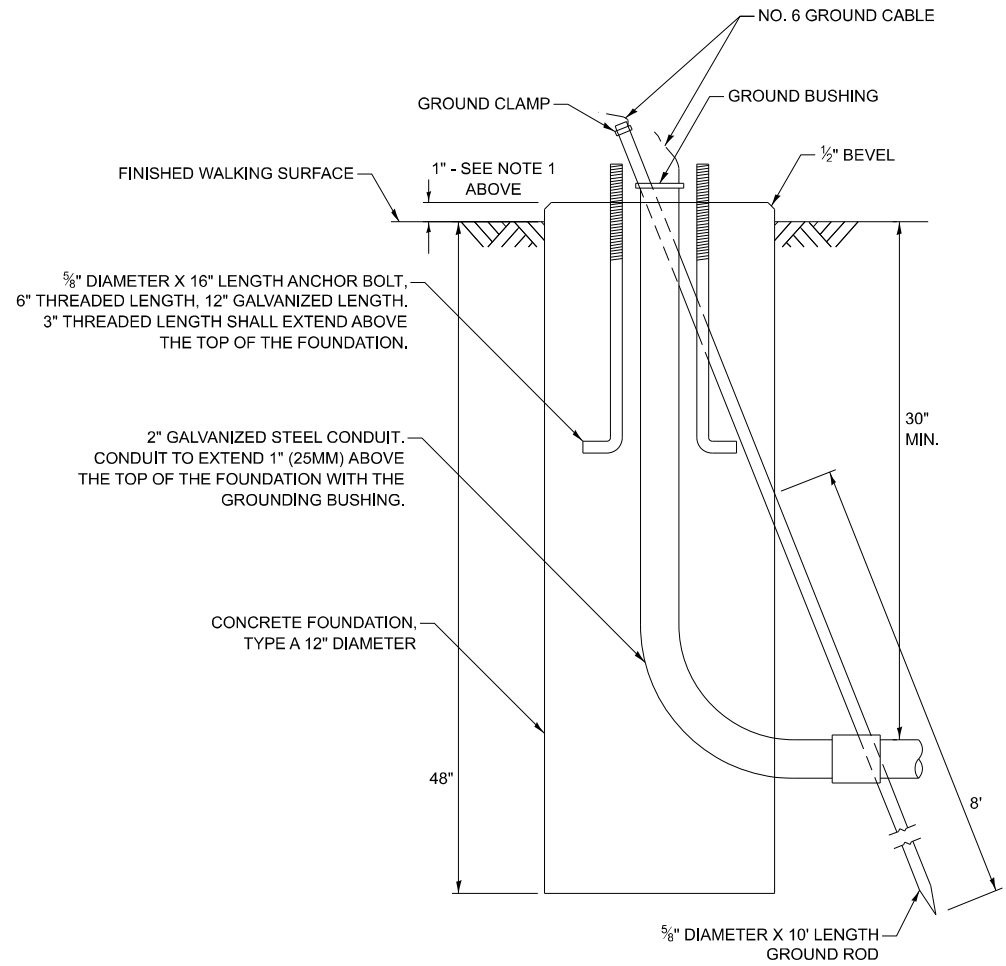
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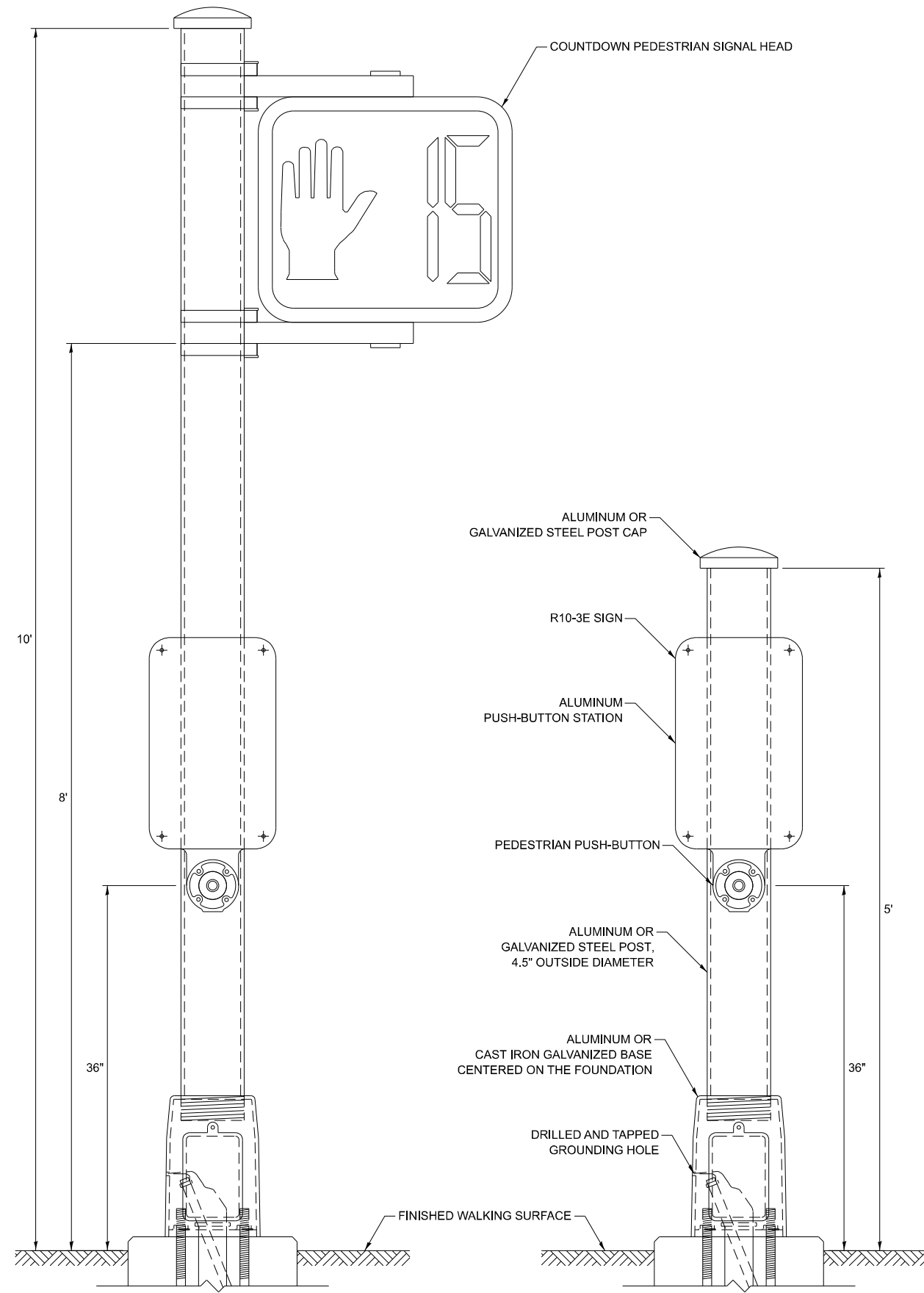
BOLT PATTERN

NOTES:

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

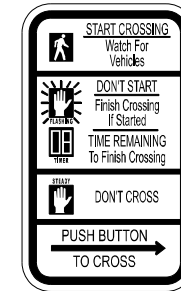


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER

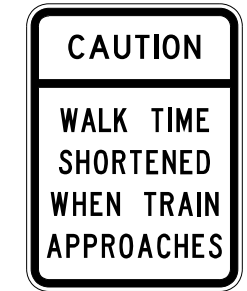


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3E
9" X 15"



W10-101
18" X 24"

SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3E IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

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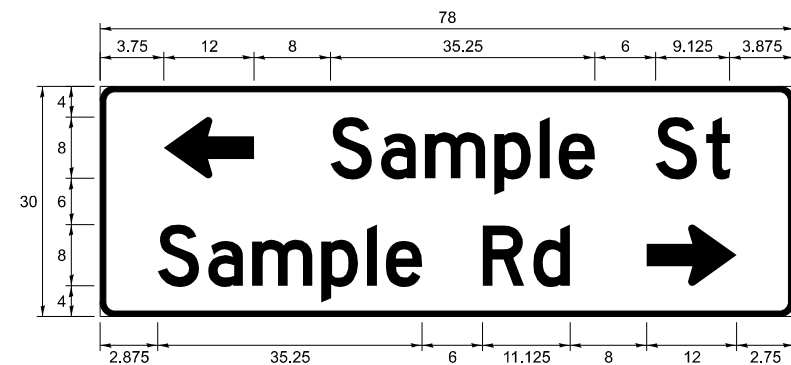
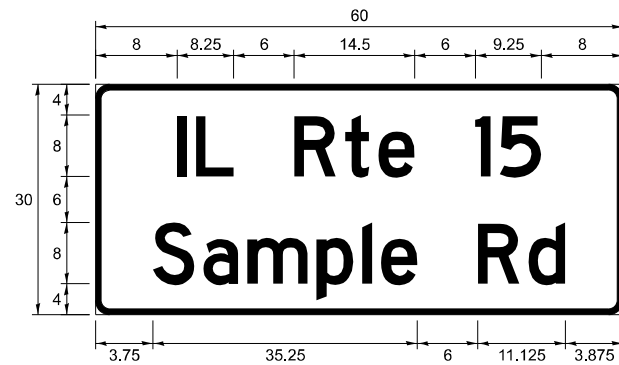
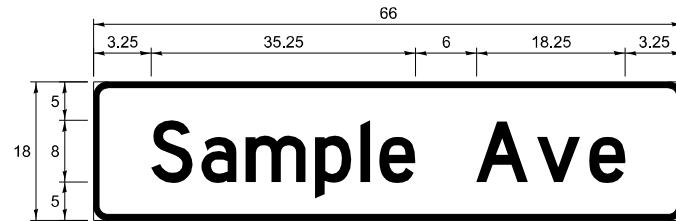
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	70
TS-01		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

SIGN PANEL - TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C OR D	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS

NAME	ABBREVIATION	LENGTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15	18.25
BOULEVARD	Blvd	17.125	20
CIRCLE	Cir	11.125	13
COURT	Ct	8.25	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22
ILLINOIS	IL	7	8.25
LANE	Ln	9.125	10.75
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.75
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.5
STREET	St	8	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.75	9.125
UNITED STATES	US	10.375	12.25

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. THE SPACING BETWEEN THE LEFT OR RIGHT ARROW AND THE ADJACENT WORD SHOULD BE 8", BUT MAY BE REDUCED TO 6" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- THE PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE THE SERIES "D" ALPHABET ON A ONE-LINE SIGN THAT IS 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A ONE-LINE 8'-0" SIGN, A 30" HEIGHT TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION (I.E. STREET, AVENUE, ETC.) SHALL BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENTS AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA

- WESTERN REMAC, INC.
WOODRIDGE, IL

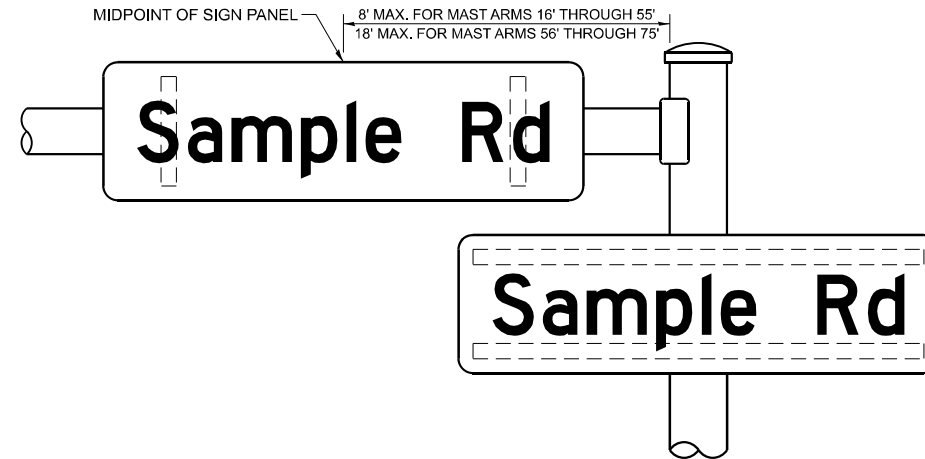
PARTS LISTING:

-SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
-SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
-BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

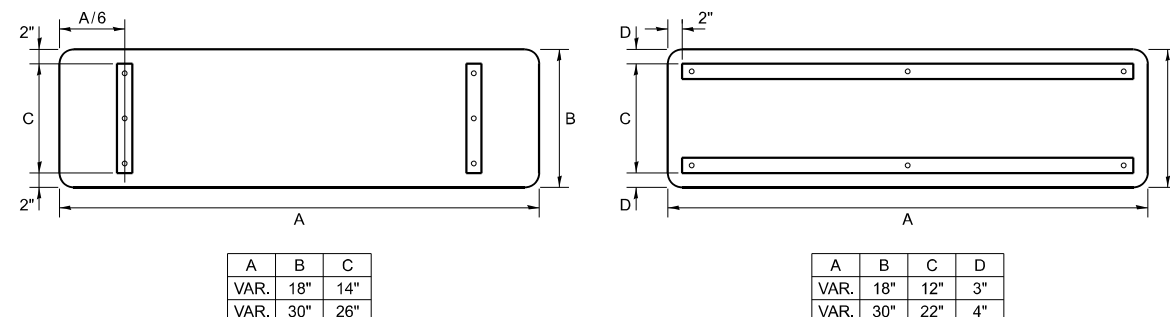
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATIONS

ARM OR POLE MOUNTED



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

MEASUREMENTS BASED ON 8" UPPER CASE LETTER HEIGHT

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

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PLOT DATE = 4/15/2026	DATE - 10/15/2025	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

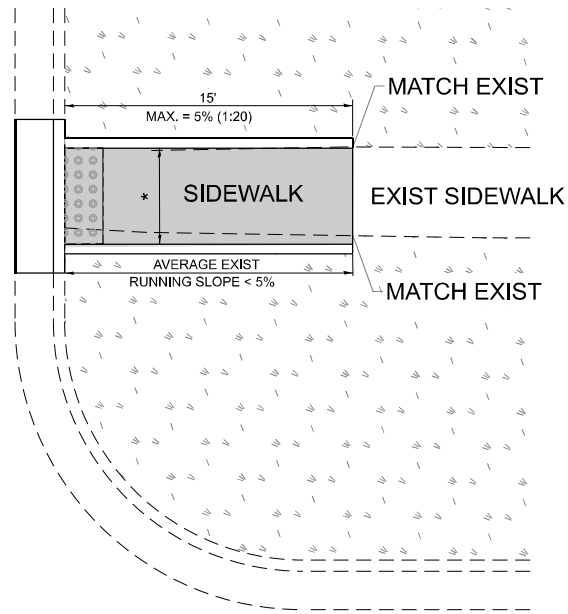
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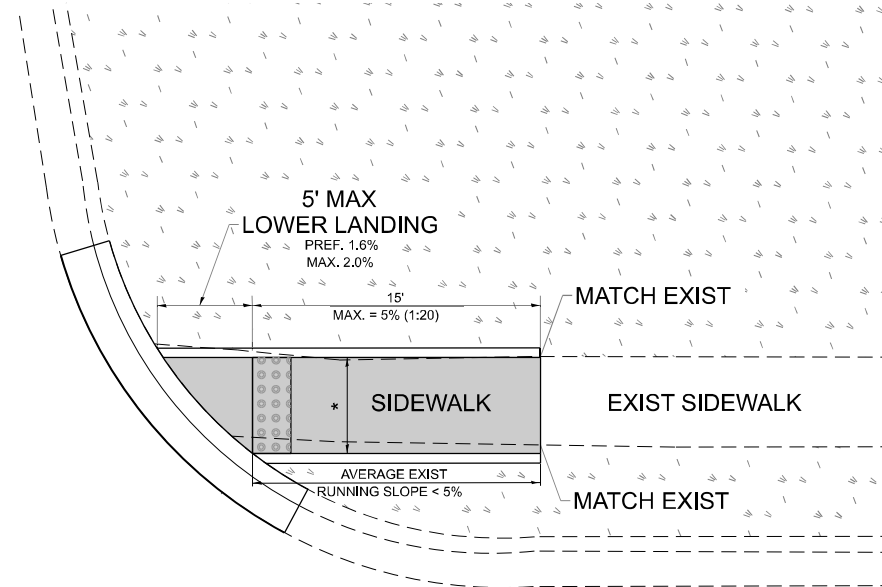
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1273	2019-122-RS&SW	COOK	77	71
TS-02		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

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

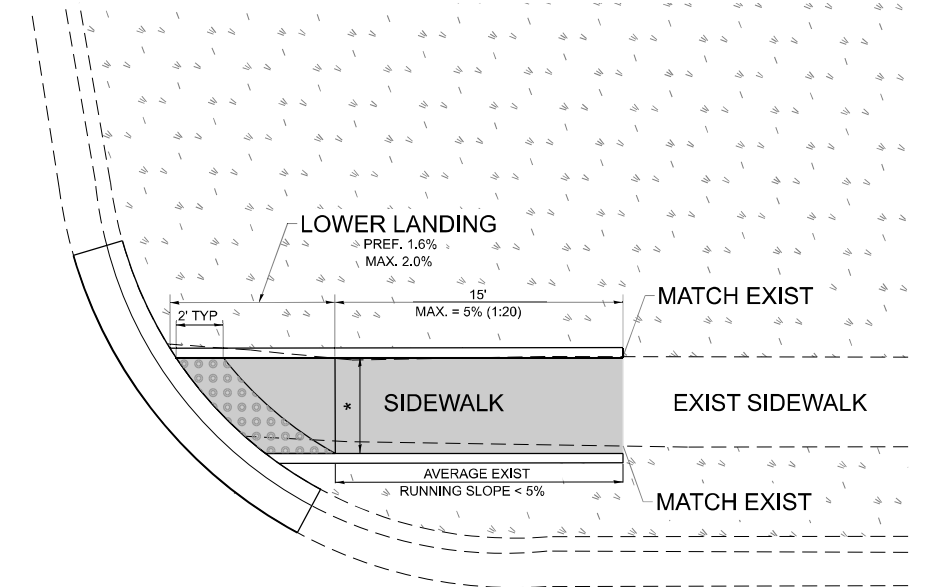
PD-01A



PD-01B



PD-01C



LEGEND

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

CONSTRUCTION NOTES:

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

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USER NAME = syed.rizvi	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
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PLOT DATE = 4/15/2026	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

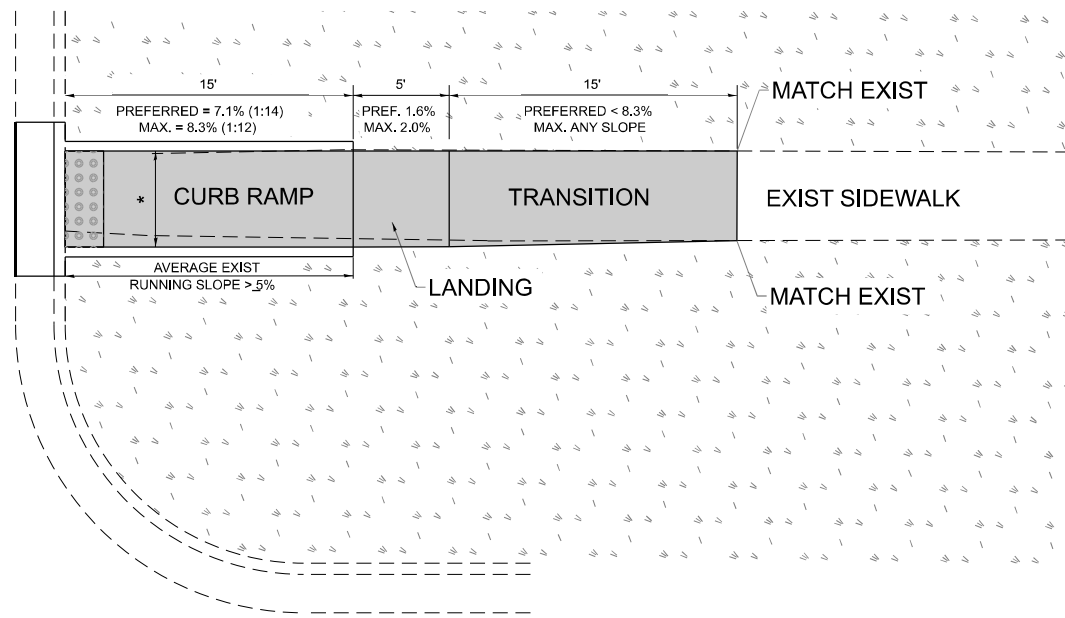
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)**

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

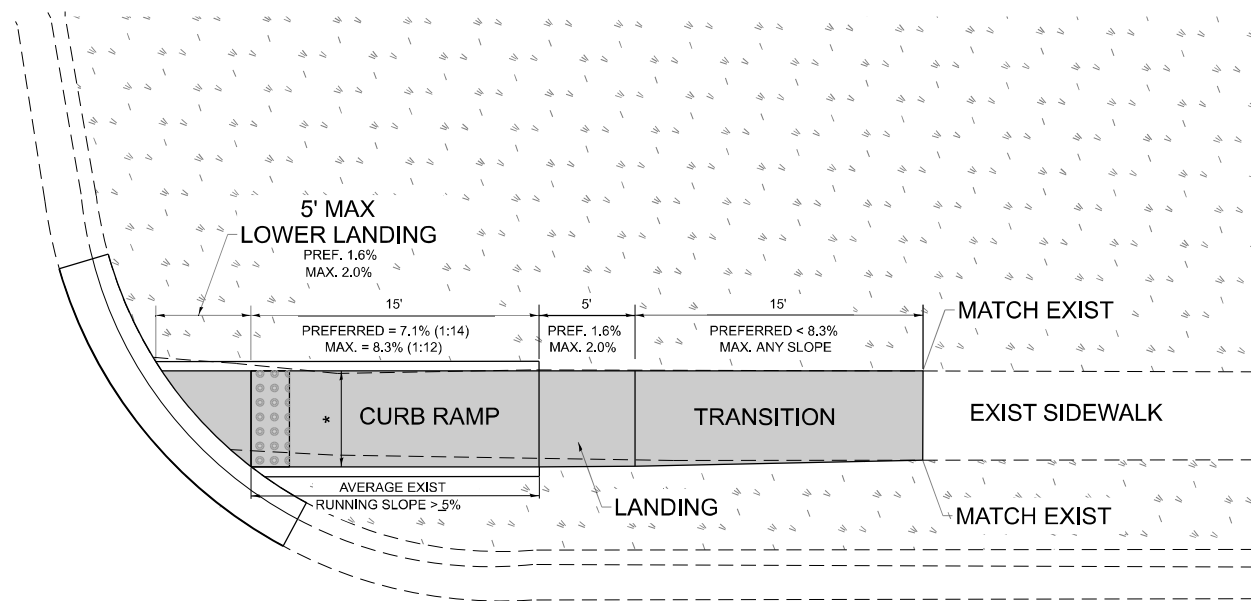
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1273	2019-122-RS&SW	COOK	77	72
PD-01		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

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

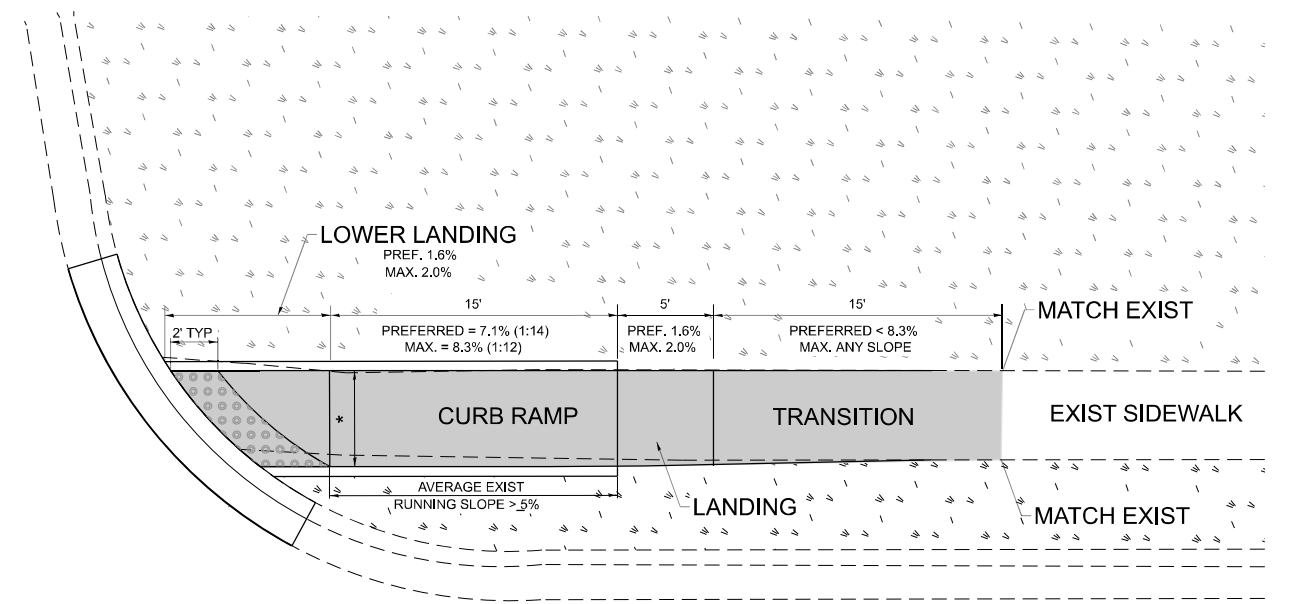
PD-02A



PD-02B



PD-02C



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-02 (Sheet)
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	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

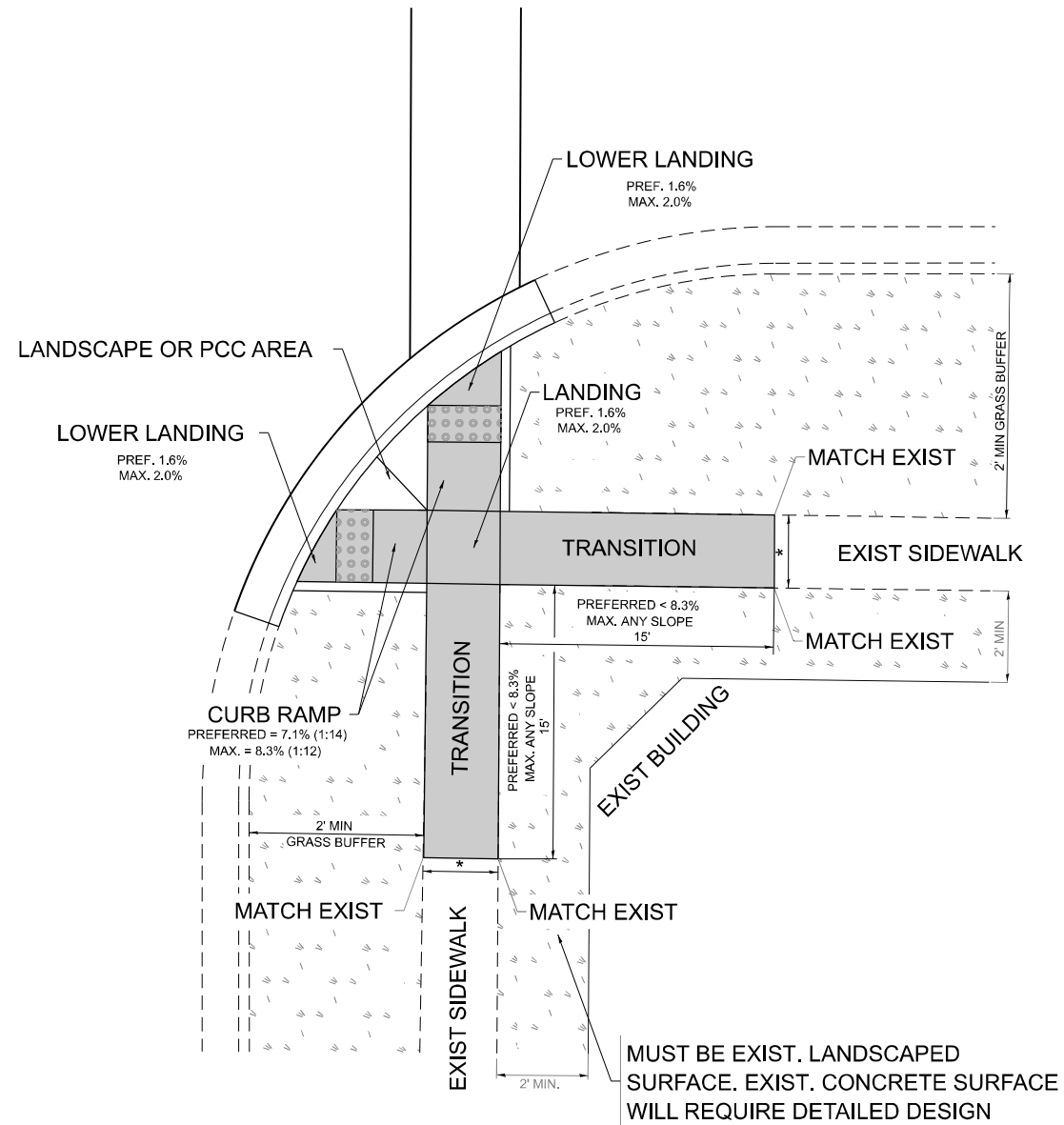
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-02)**

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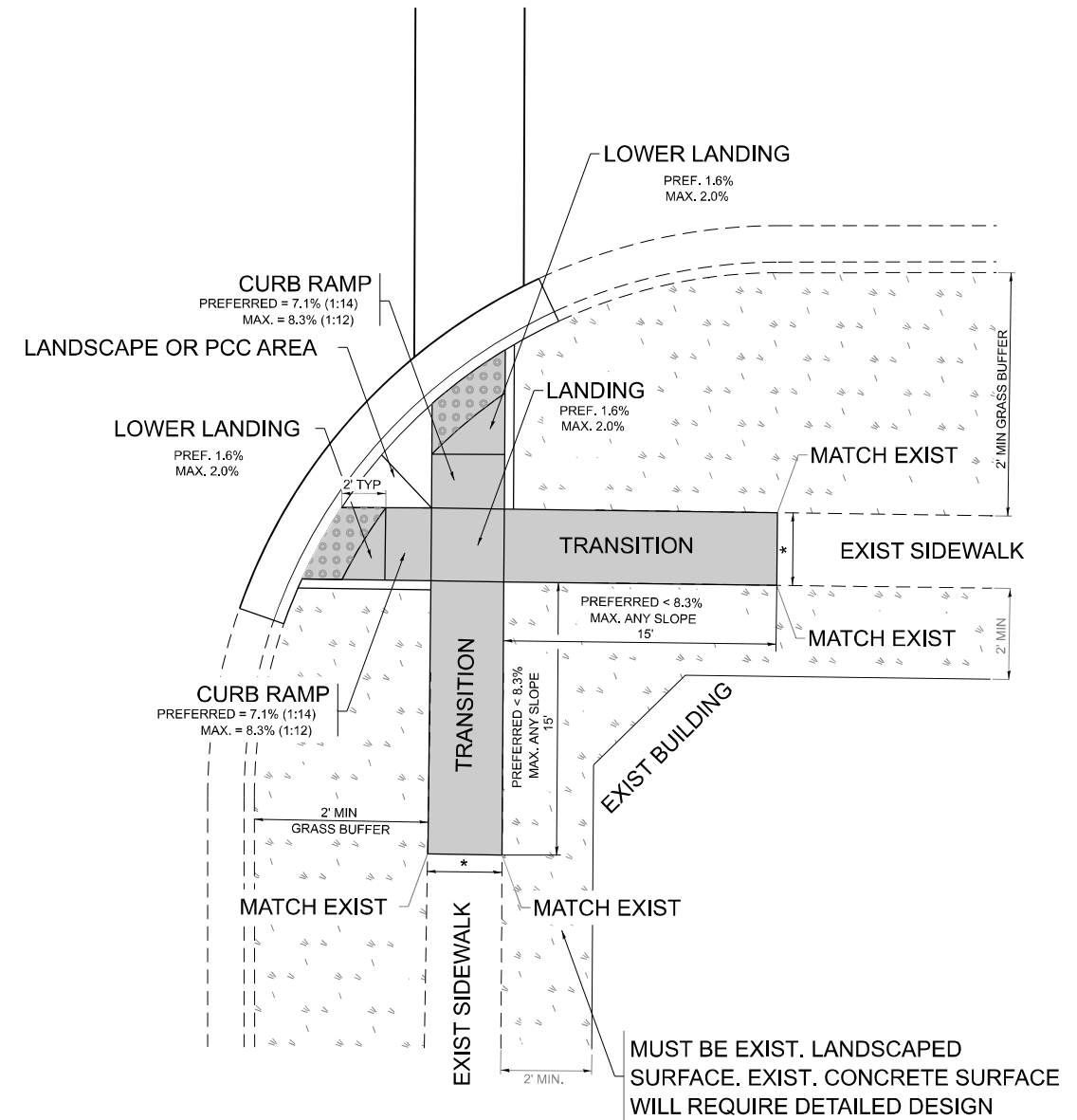
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1273	2019-122-RS&SW	COOK	77	73
PD-02		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-03 (Sheet)
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PLOT DATE = 4/15/2026	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

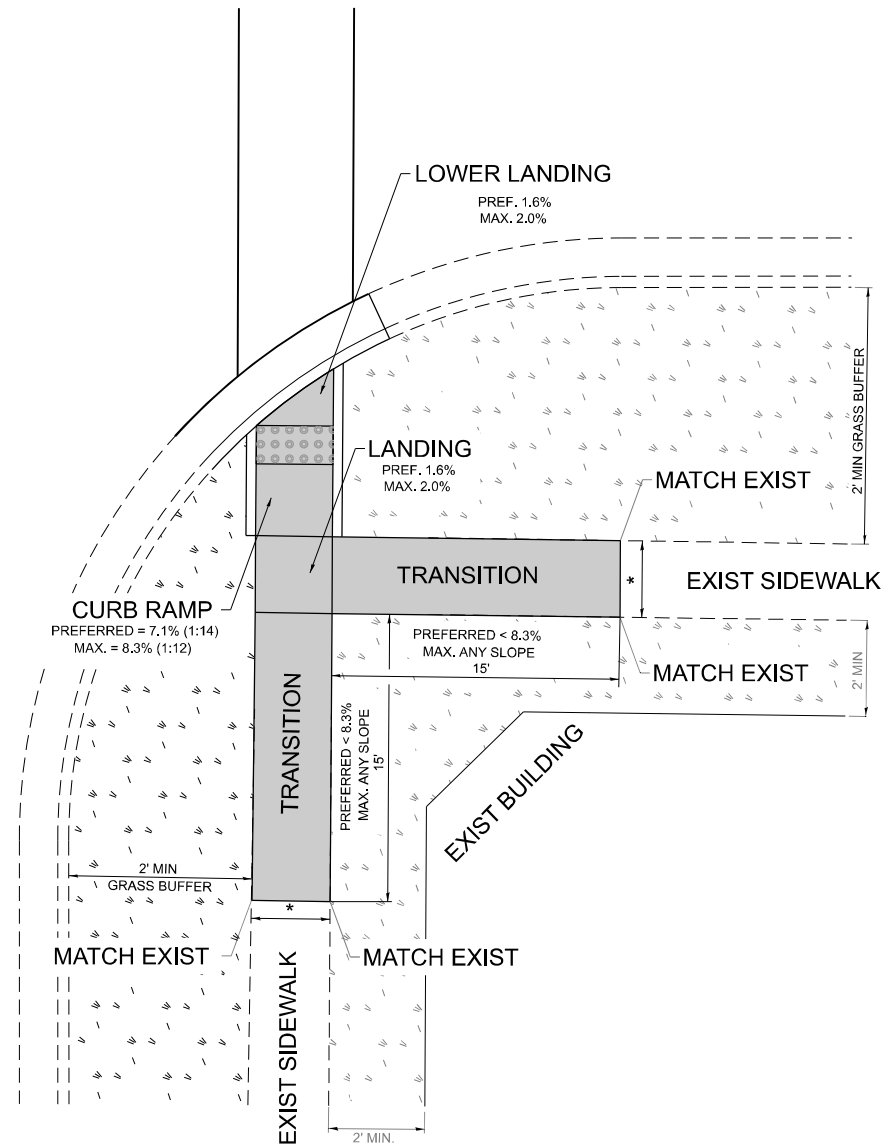
**PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS
(PD-03)**

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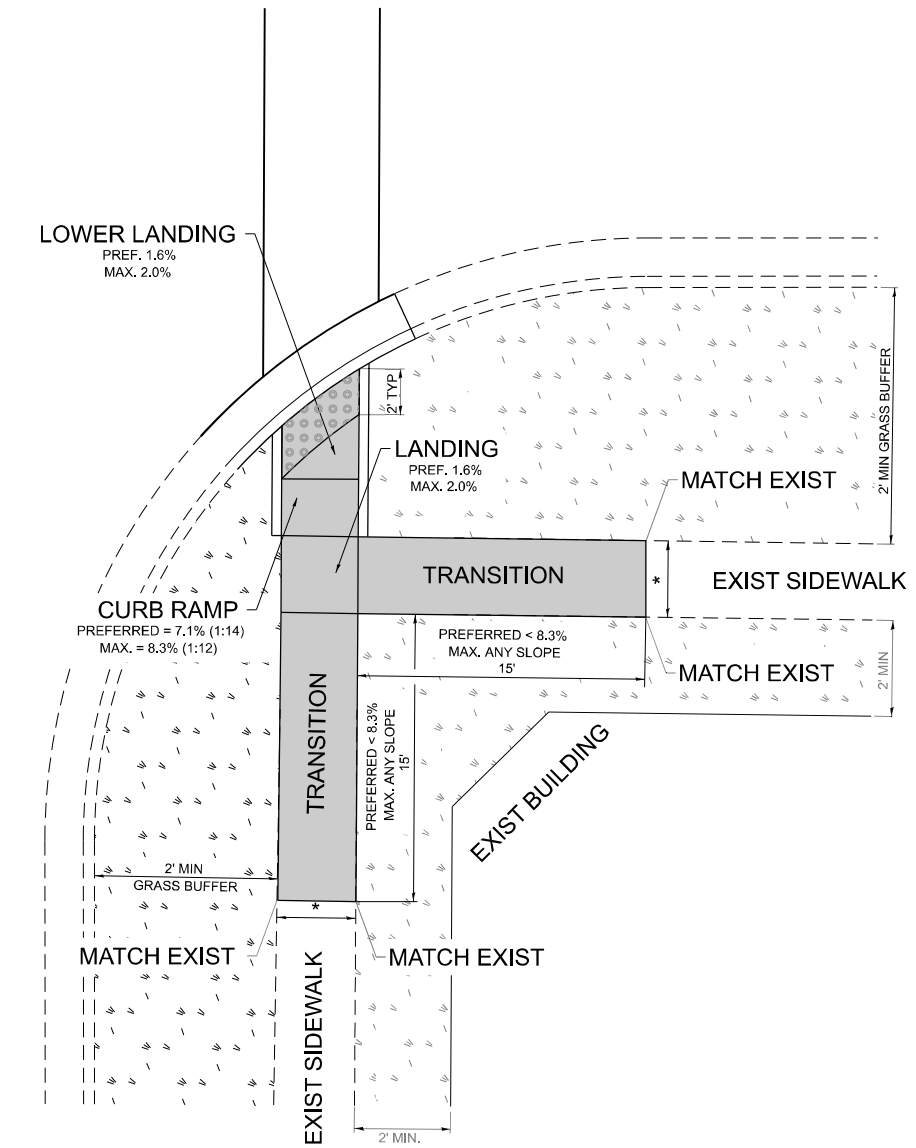
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1273	2019-122-RS&SW	COOK	77	74
PD-03		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-04 (Sheet)
FILE NAME: c:\pwworking\autodesk\userp1\182376\182376-D125420-sh1-Dist&Sds.dgn

USER NAME = syed.rizvi	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
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PLOT DATE = 4/15/2026	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

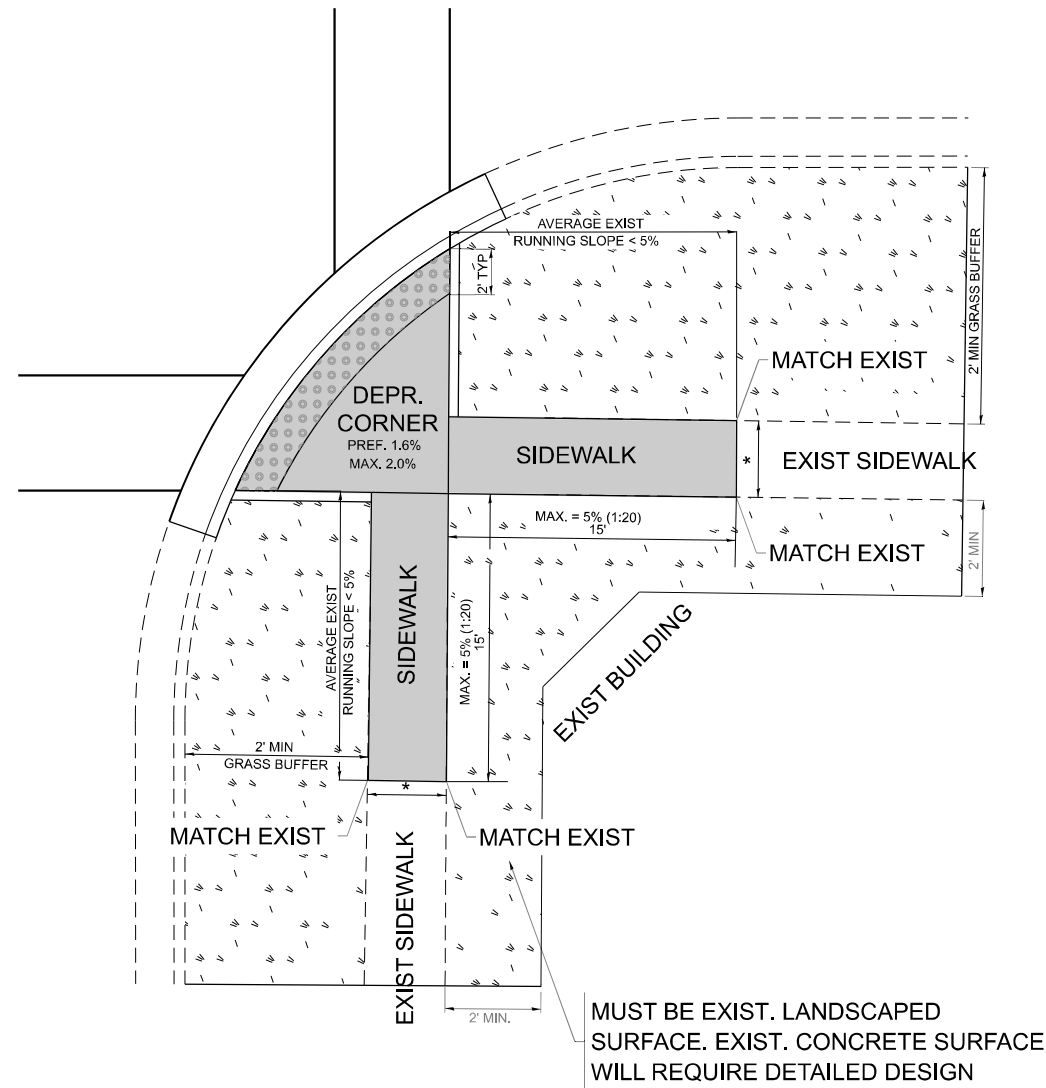
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH
TURNING SPACE (PD-04)**

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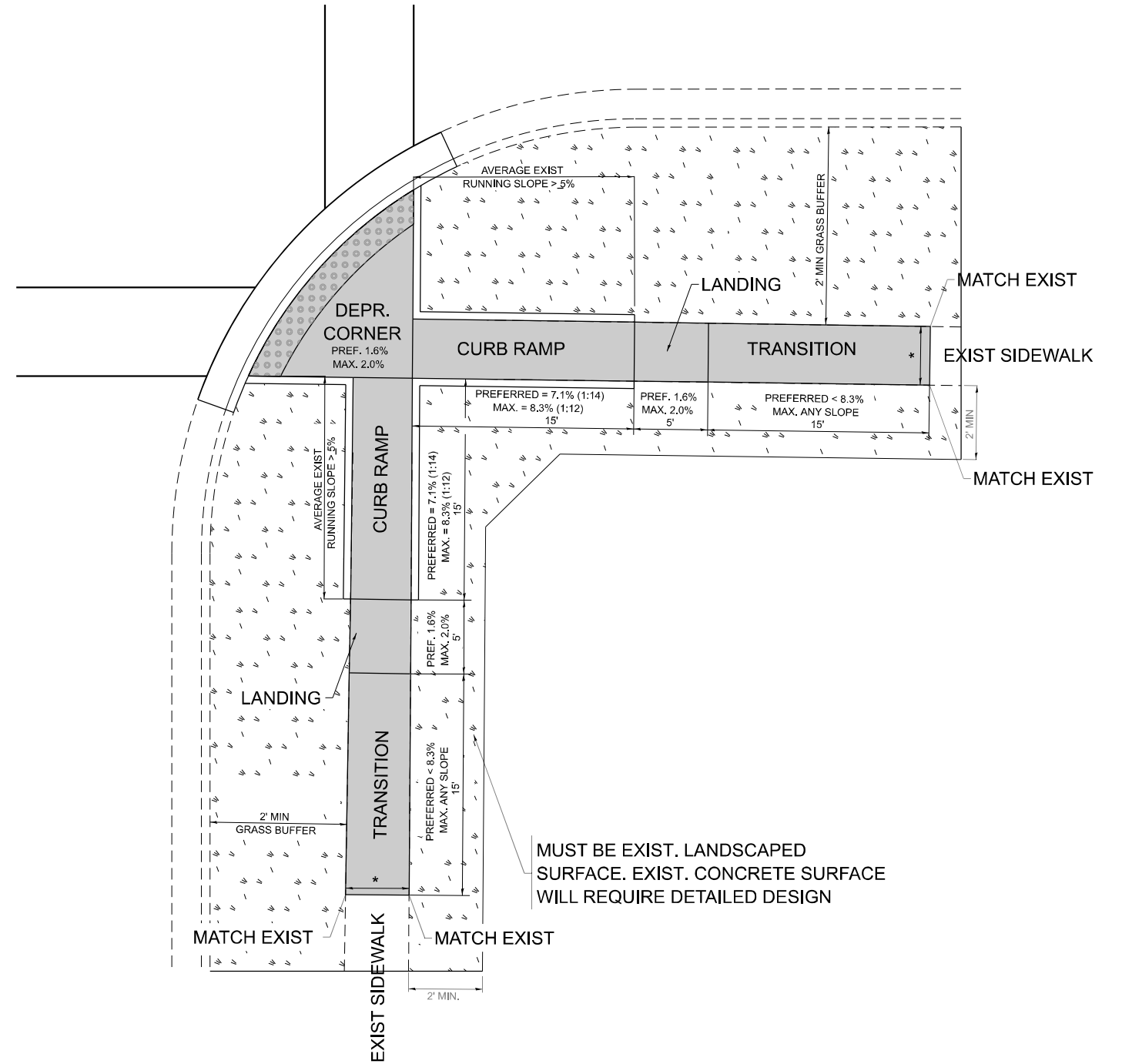
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1273	2019-122-RS&SW	COOK	77	75
PD-04		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-05 (Sheet)
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	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/15/2026	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

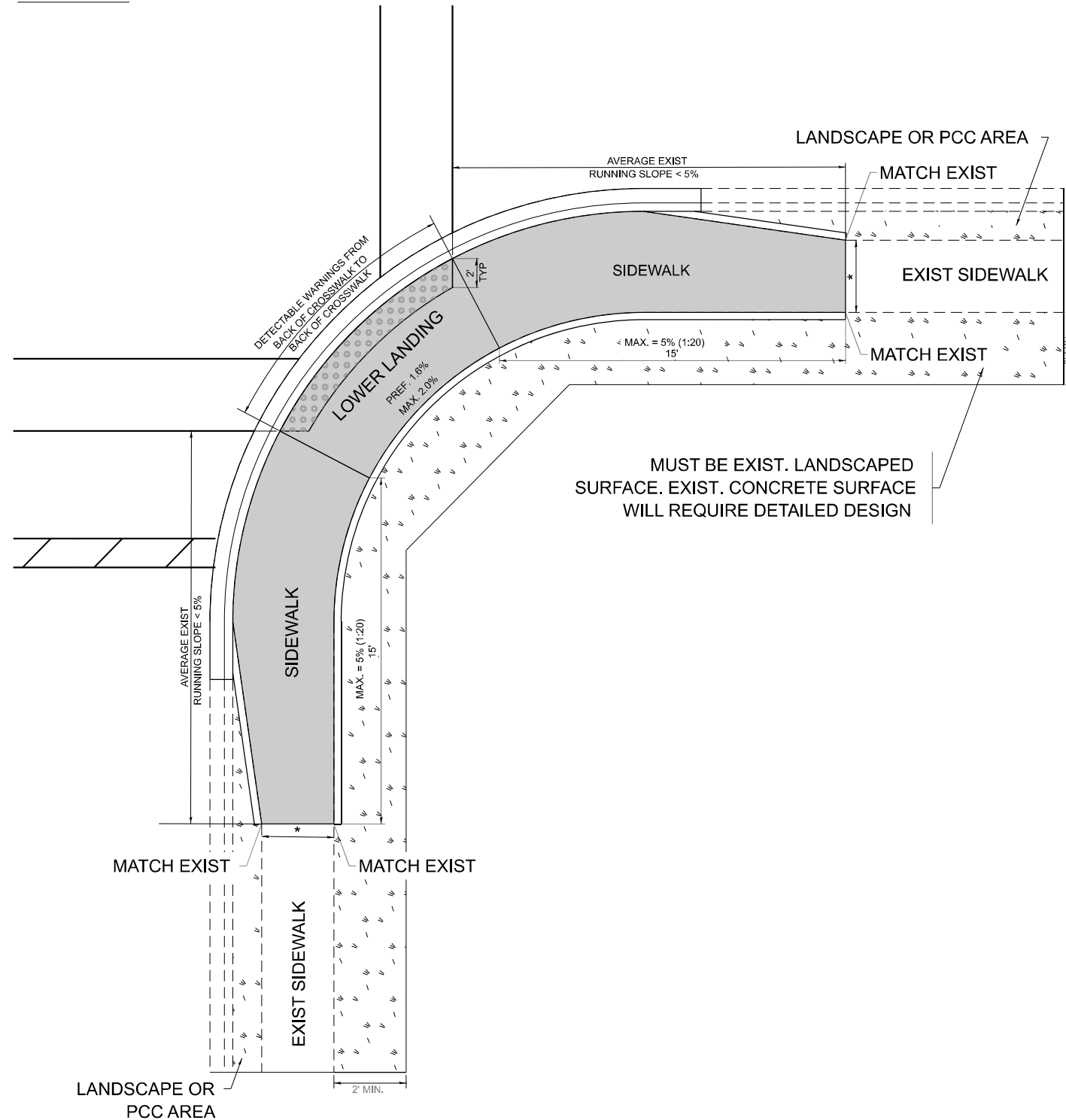
**PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)**

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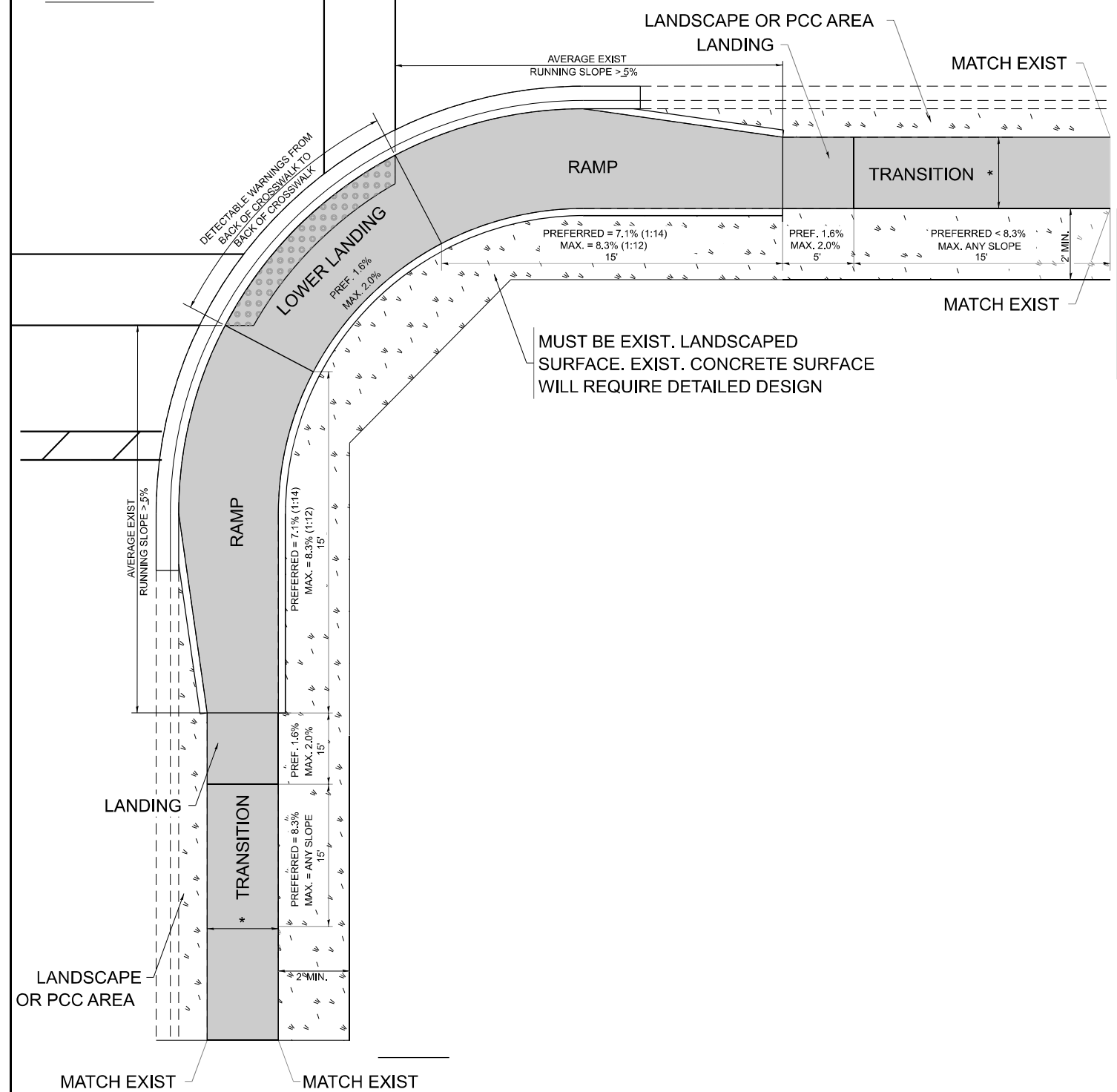
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1273	2019-122-RS&SW	COOK	77	76
PD-05		CONTRACT NO. 62J64		
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR PARALLEL CURB RAMPS ADJACENT TO LANDSCAPING

PD-06A



PD-06B



LEGEND

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

CONSTRUCTION NOTES:

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

MODEL: PD-06 (Sheet)
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USER NAME = syed.rizvi	DESIGNED -	REVISED -
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PLOT DATE = 4/15/2026	DATE - 10/02/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAIL FOR PARALLEL CURB RAMPS
(PD-06)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	77
PD-06			CONTRACT NO. 62J64	
ILLINOIS FED. AID PROJECT				