

07-31-2026 LETTING ITEM 001

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

FOR INDEX OF SHEETS, SEE SHEET NO. 2

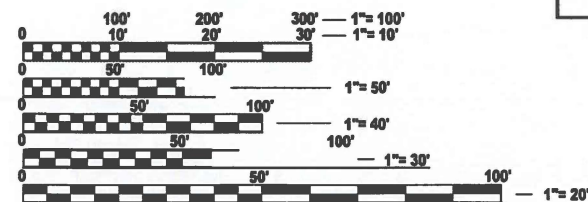
**THIS PROJECT IS LOCATED
IN THE VILLAGES OF
GLENCOE & NORTHBROOK**

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)**

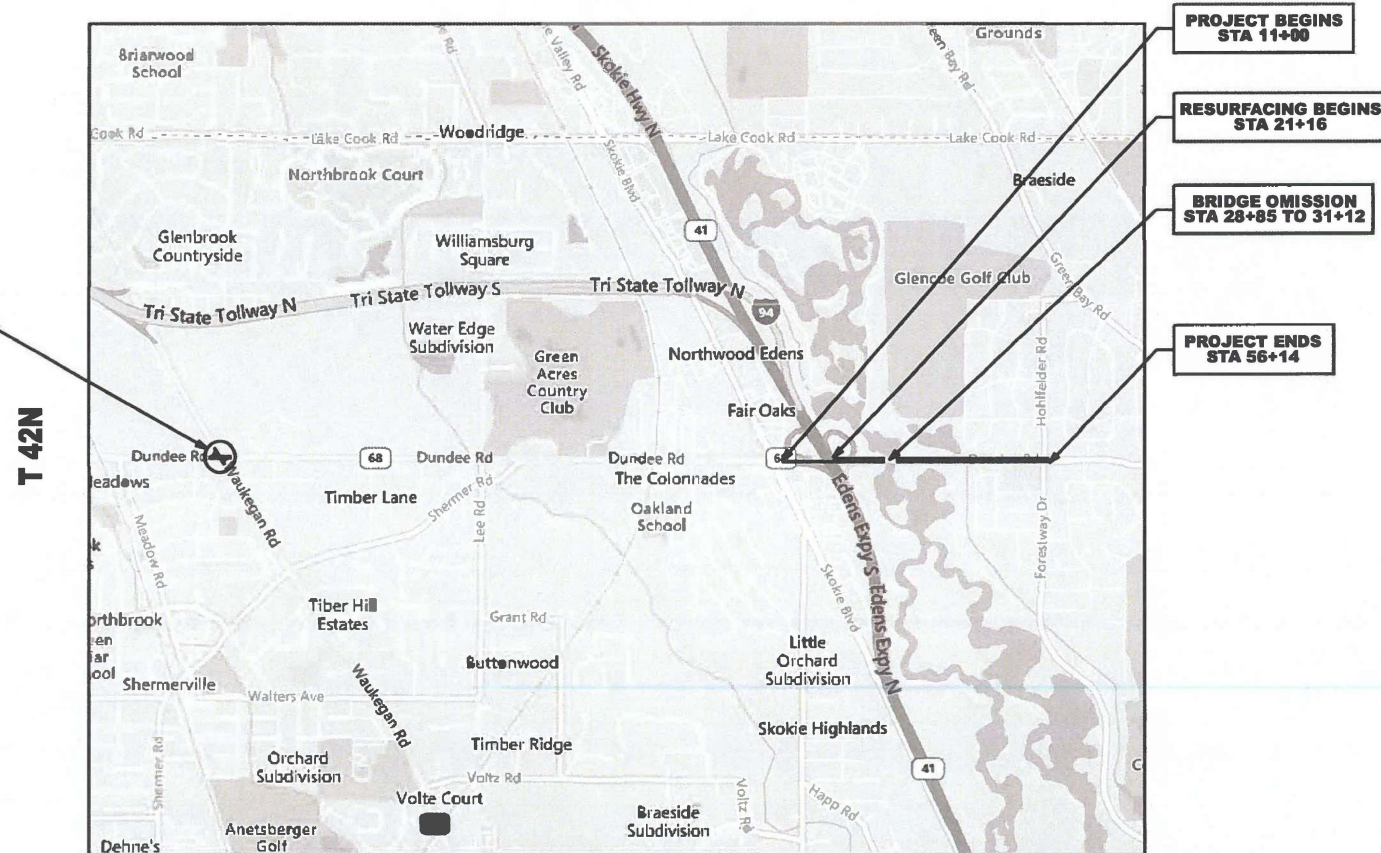
SPEED LIMIT = 40 MPH



**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

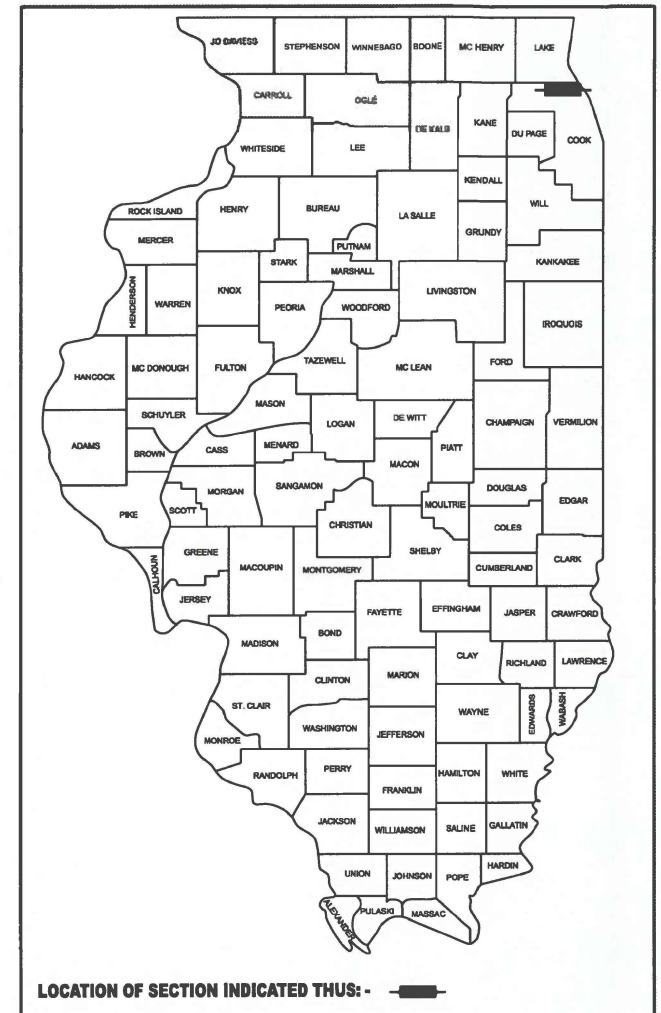
CONTRACT NO. 62J64**NORTHFIELD / NEW TRIER
TOWNSHIPS**

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

F.A.U 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: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED

May 20 2020

REGIONAL ENGINEER

June 26 ~~26~~ 26

June 26, 2026

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

REV-SEP

MODEL: GenNotesShr01 [Sheet]
FILE NAME: c:\pwworking\illinois.gov\1182376\0125420-shr-genmode.dgn

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GENERAL NOTES

1. 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.
2. 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.
3. 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.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
5. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT.
6. 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

7. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF GLENCOE & NORTHBROOK.
8. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ 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).
9. 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.
10. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
11. 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.
12. 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.
13. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
14. 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.
15. 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.
16. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
17. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. GRADING AND SHAPING DITCHES LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
25. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
26. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER
27. 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.
28. 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
29. 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

	USER NAME = syed.rizvi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET INDEX, STATE STANDARDS, & GENERAL NOTES DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				1273	2019-122-RS&SW	COOK	77	2
		CHECKED -	REVISED -				CONTRACT NO. 62J64				
	PLOT DATE = 6/4/2026	DATE -	REVISED -		SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	



**CLASS D PATCHING LOCATIONS WILL
BE DETERMINED BY THE ENGINEER**

The map displays the town of Winnetka, Illinois, with a proposed transit route highlighted by a thick black line. The route begins in the northwest, near the intersection of Tower Rd and Scott Ave, and proceeds southeast through the town center, passing near the Indian Hill Golf Club, and ending in the south near Kenilworth. Key streets shown include Tower Rd, Westmoor Rd, Pine St, Spruce St, Elm St, Cherry St, Ash St, Willow Rd, Sunset Rd, Hill Rd, Indian Hill Rd, Winnetka Ave, and Kenilworth Ave. Landmarks such as Sacred Heart School and New Trier High School are also labeled. A north arrow is positioned in the upper right corner of the map.

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

MODEL: SC01 [Sheet]
FILE NAME: c:\pw_work\pwidotsyed.a.rzvi@illinois.gov\41182376\0125420-sh1-SC00.dgn

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	DETECTABLE 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**

	USER NAME = syed.rizvi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)					F A U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							1273	2019-122-RS&SW	COOK	77	3
		CHECKED -	REVISED -							CONTRACT NO. 62J64				
	PLOT DATE = 5/8/2026	DATE -	REVISED -		SCALE:		SHEET 1	OF 4	SHEETS	STA.	TO STA.			
											ILLINOIS FED. AID PROJECT			

MODEL: SOC2 [Sheet]
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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	3365			3365			
*	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			
*	81800230	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**

		USER NAME = syed.i.rzu		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				DRAWN -	REVISED -									1273	2019-122-RS&SW	COOK	77	4
				CHECKED -	REVISED -									CONTRACT NO. 62J64				
		PLOT DATE = 5/8/2026		DATE -	REVISED -					SCALE:	SHEET 2	OF 4	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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FILE NAME: c:\pw_wor\pwwd\syed.a.rizvi@illinois.gov\4182376\0125420-sh1-SOQ.dgn

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 SUPPLYAND CABINET, SPECIAL	EACH	2			2			

* = SPECIALTY ITEM

	USER NAME = syed.rizvi		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)			F A U RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -					1273	2019-122-RS&SW	COOK	77	5
			CHECKED -	REVISED -					CONTRACT NO. 62J64				
	PLOT DATE = 5/8/2026		DATE -	REVISED -		SCALE:	SHEET 3	OF 4	SHEETS	STA.	TO STA.	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			

*

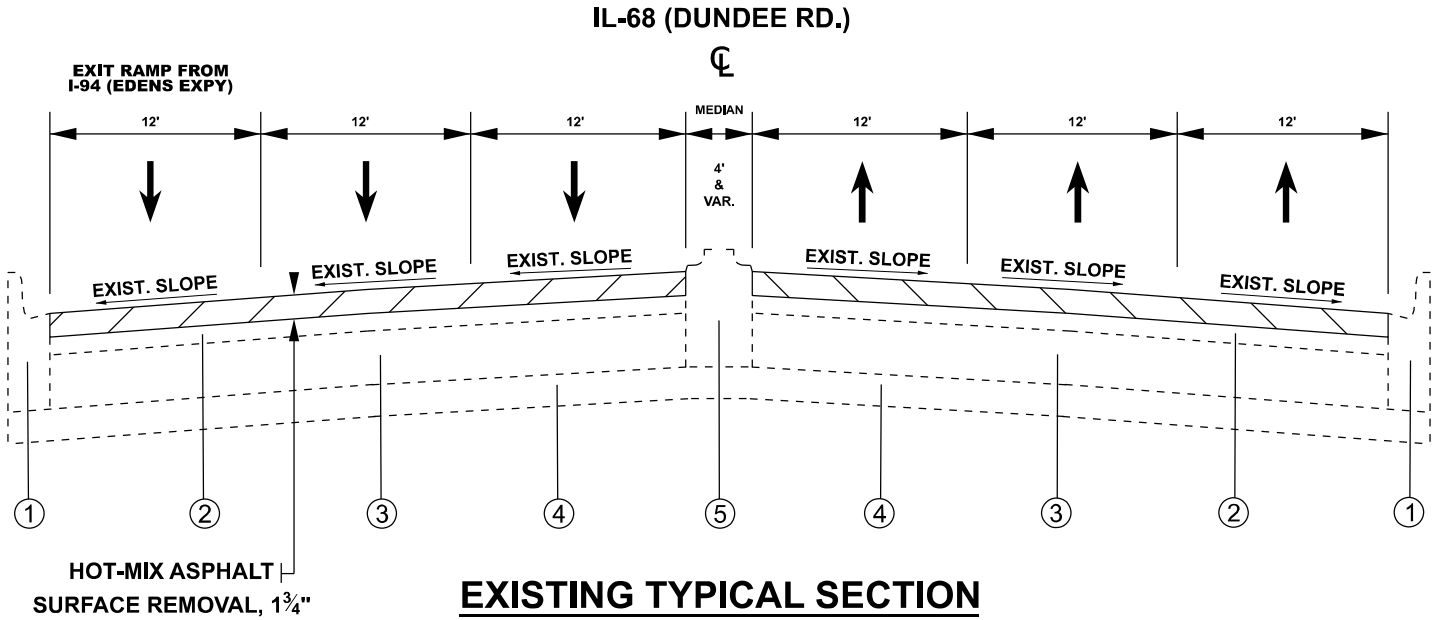
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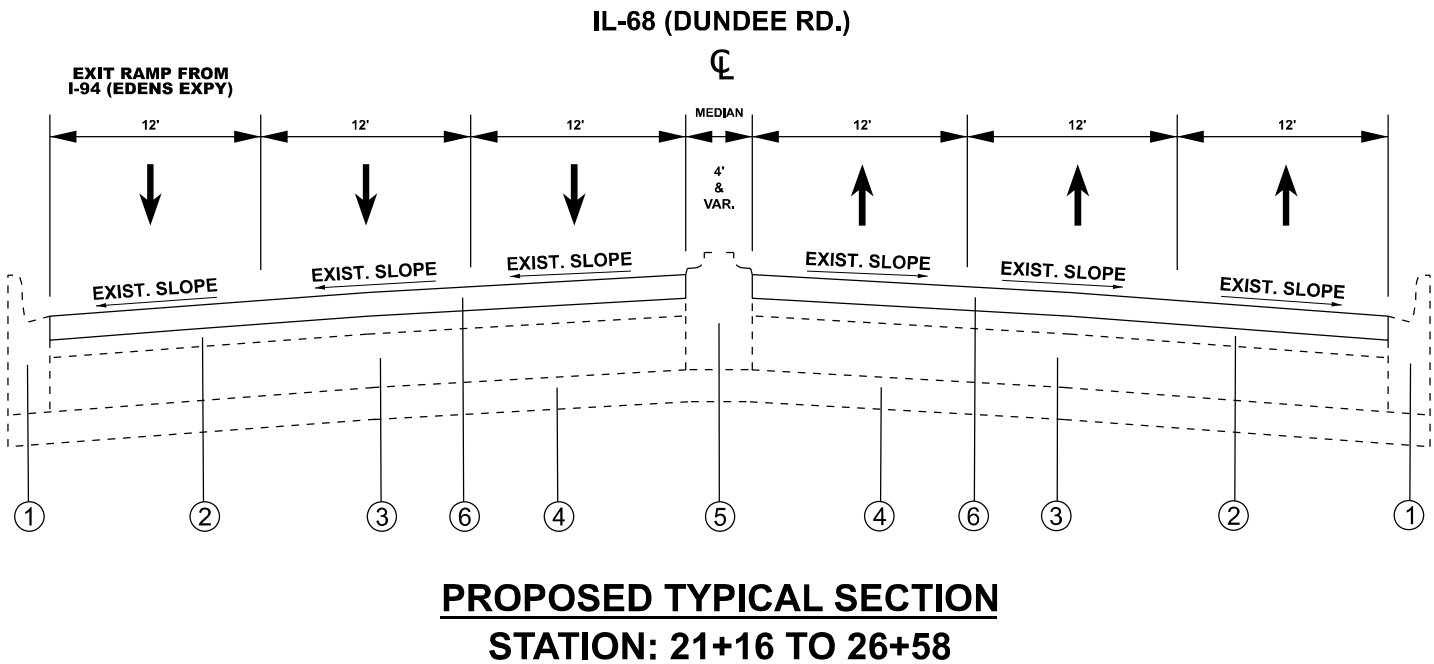
LEGEND	
①	CONCRETE CURB & GUTTER, TYPE B-6.12
②	HOT-MIX ASPHALT SURFACE, 3"
③	PCC PAVEMENT, 10"
④	STABILIZED SUB-BASE, 4"
⑤	CONCRETE BARRIER MEDIAN
⑥	PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1¾"



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

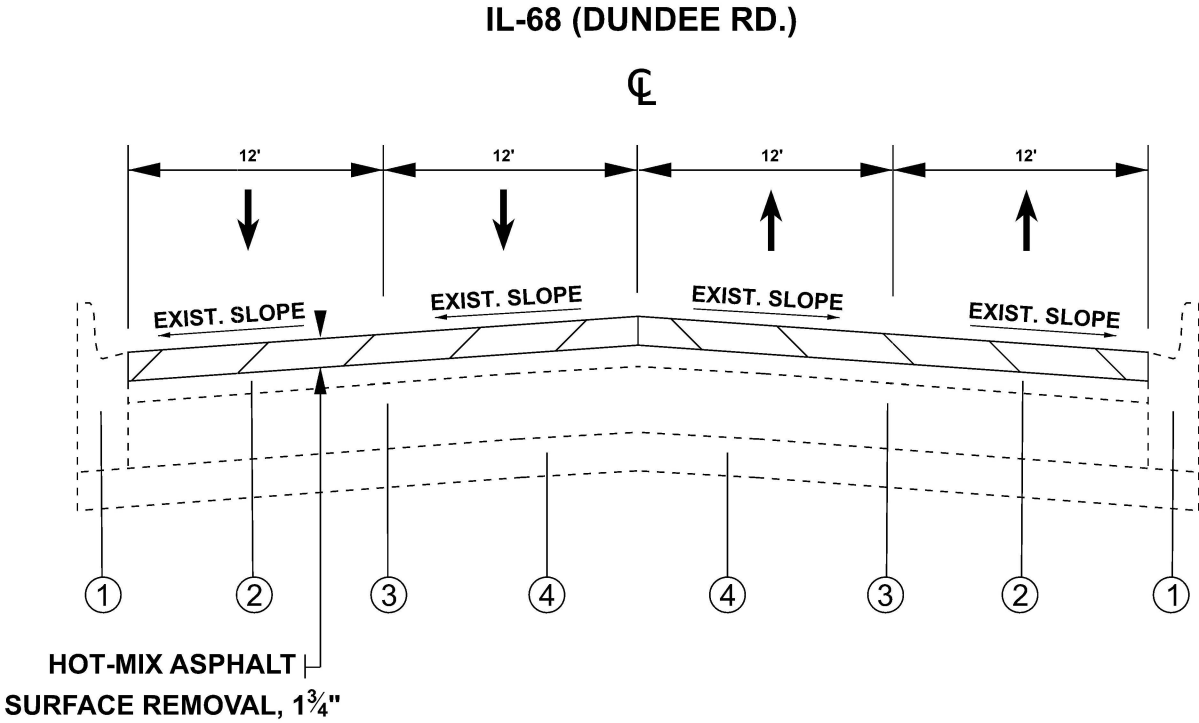
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		DRAWN -	REVISED -				1273	2019-122-RS&SW	COOK	77	7
		CHECKED -	REVISED -				CONTRACT NO. 62J64				
	PLOT DATE = 6/4/2026	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE:		SHEET 1 OF 5 SHEETS		STA.		TO STA.					

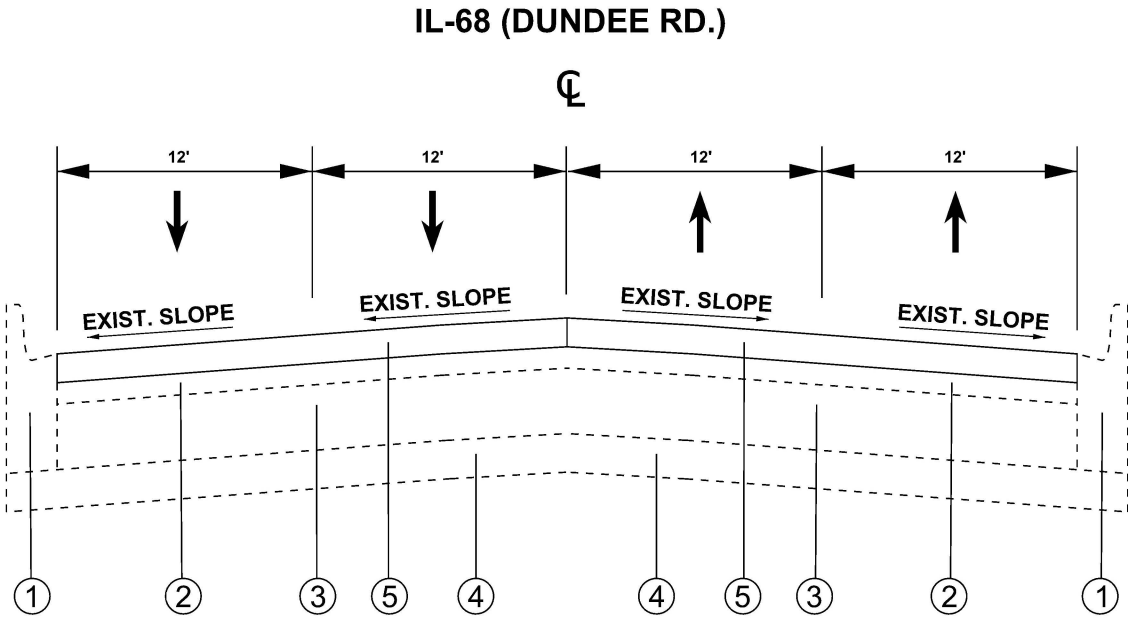
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LEGEND

- 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"



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



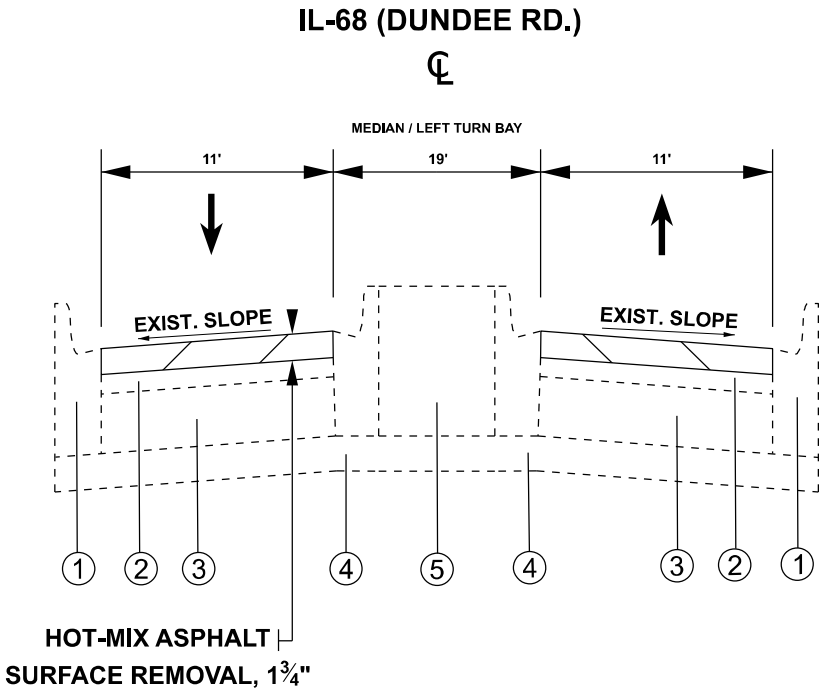
PROPOSED TYPICAL SECTION
STATION: 26+58 TO 33+00

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		DRAWN -	REVISED -						1273	2019-122-RS&SW	COOK	77	8
		CHECKED -	REVISED -						CONTRACT NO. 62J64				
	PLOT DATE = 5/8/2026	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

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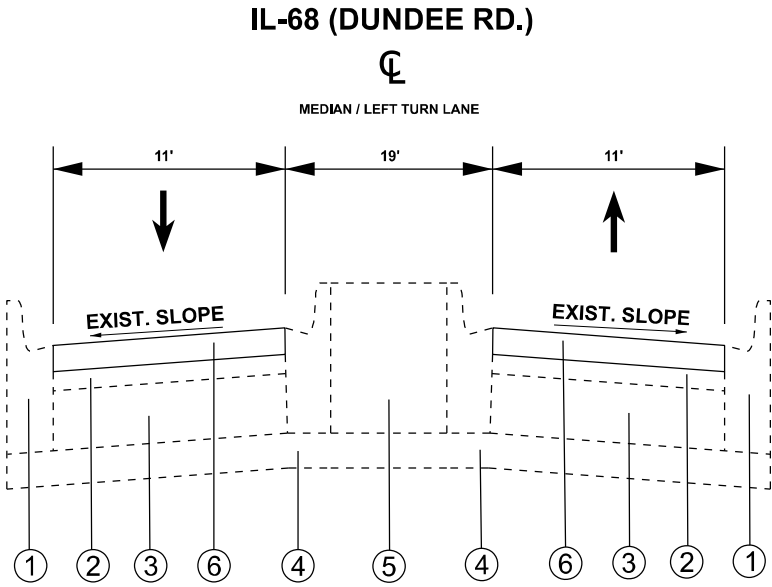
LEGEND

- 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"



EXISTING TYPICAL SECTION
STATION: 33+00 TO 56+14

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



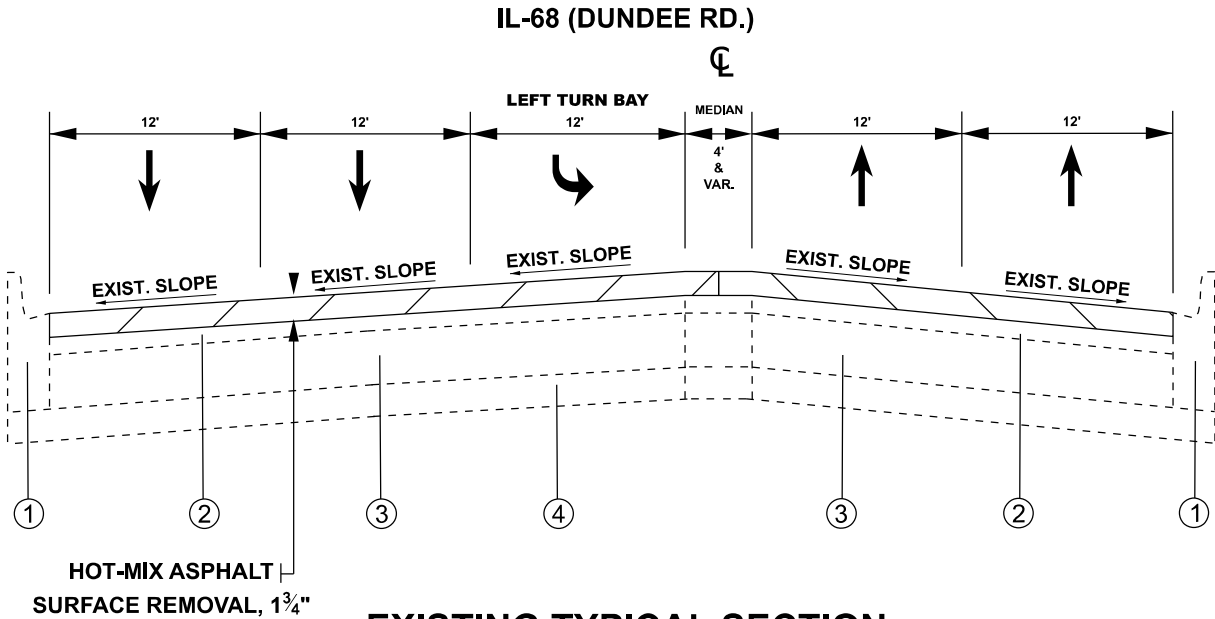
PROPOSED TYPICAL SECTION
STATION: 33+00 TO 56+14

	USER NAME = syed.rizvi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION DUNDEE RD (I-94 (EDENS EXPWY) TO FORESTWAY DR)			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1273	2019-122-RS&SW	COOK	77	9
		CHECKED -	REVISED -					CONTRACT NO. 62J64				
	PLOT DATE = 4/21/2026	DATE -	REVISED -		SCALE:	SHEET 3	OF 4	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

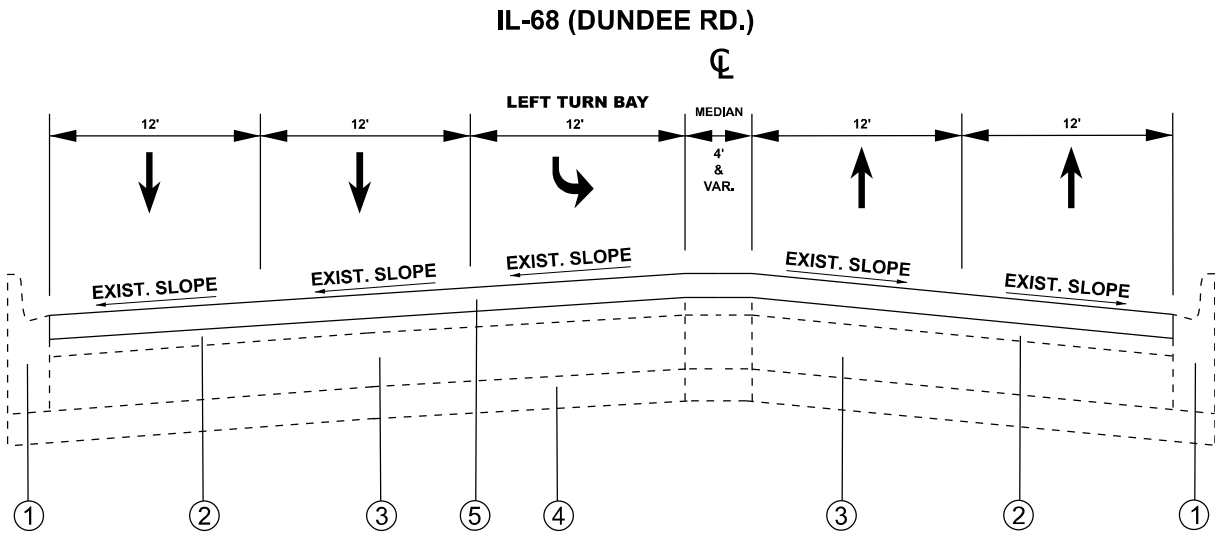
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LEGEND

- 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, 1¾"



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



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

USER NAME = syed.rzvi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
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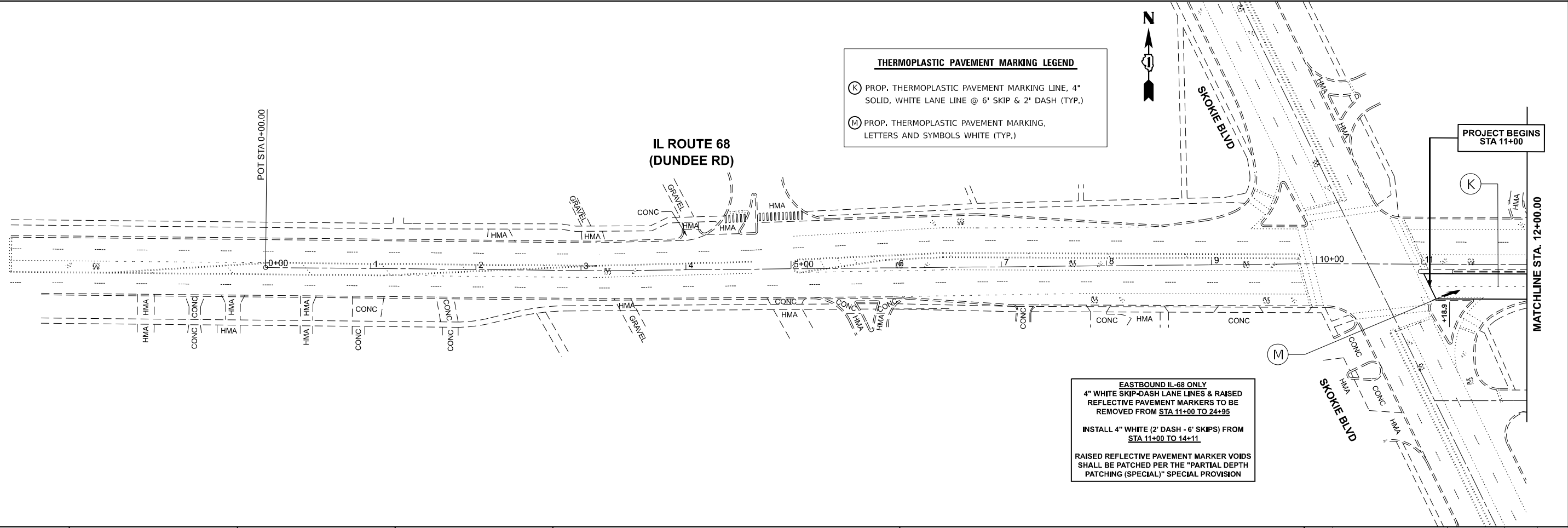
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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				

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			CHECKED	-	REVISED	-
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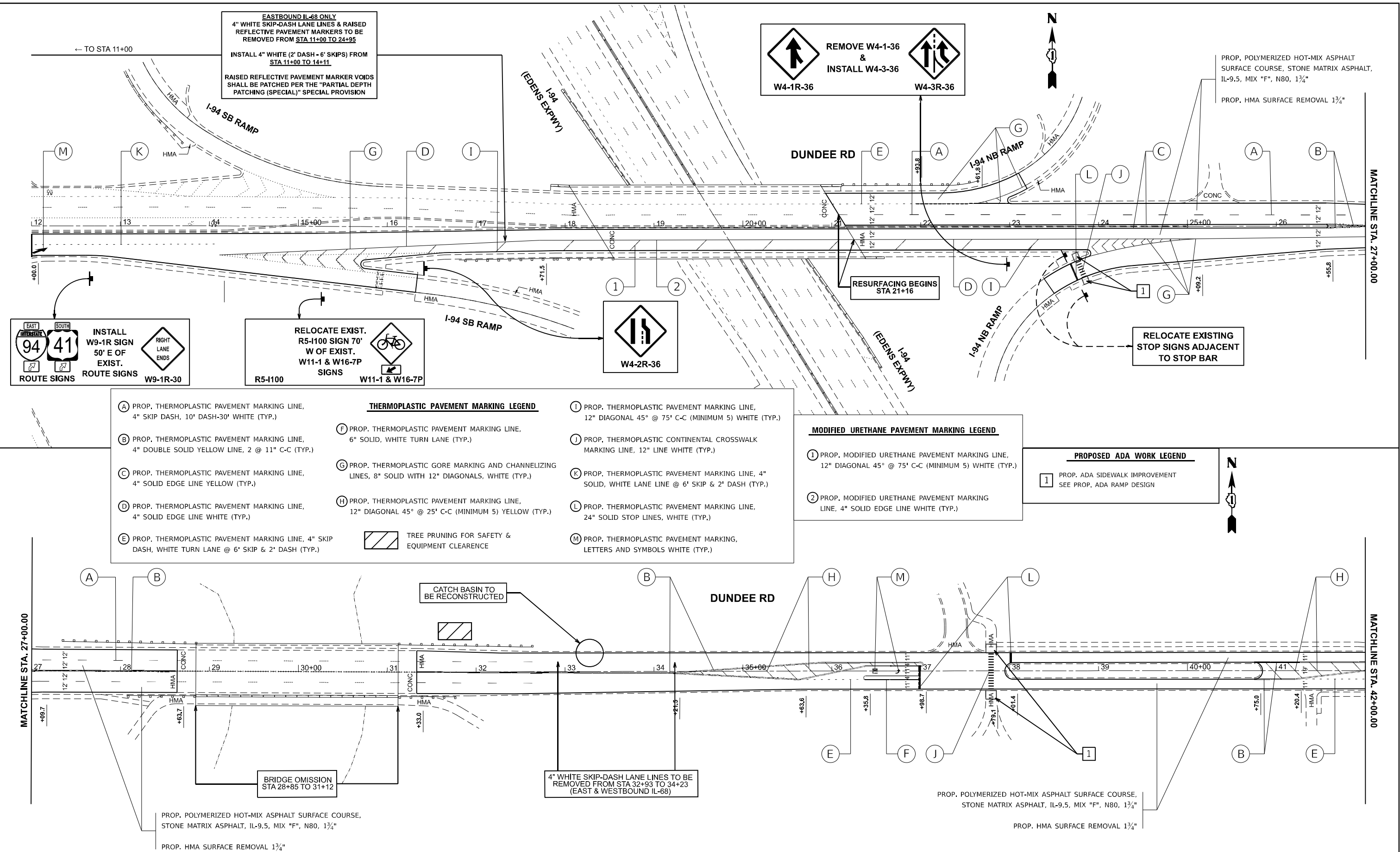
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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				

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

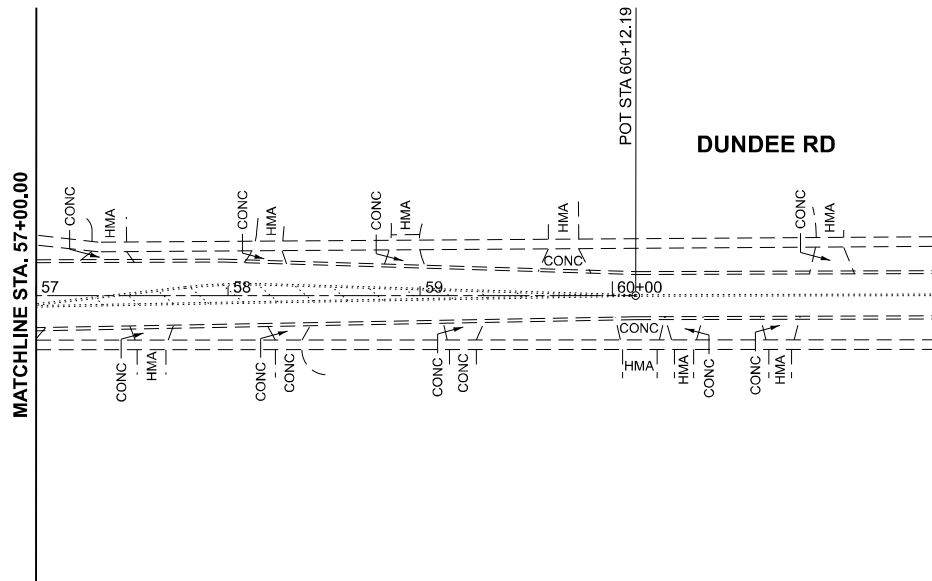
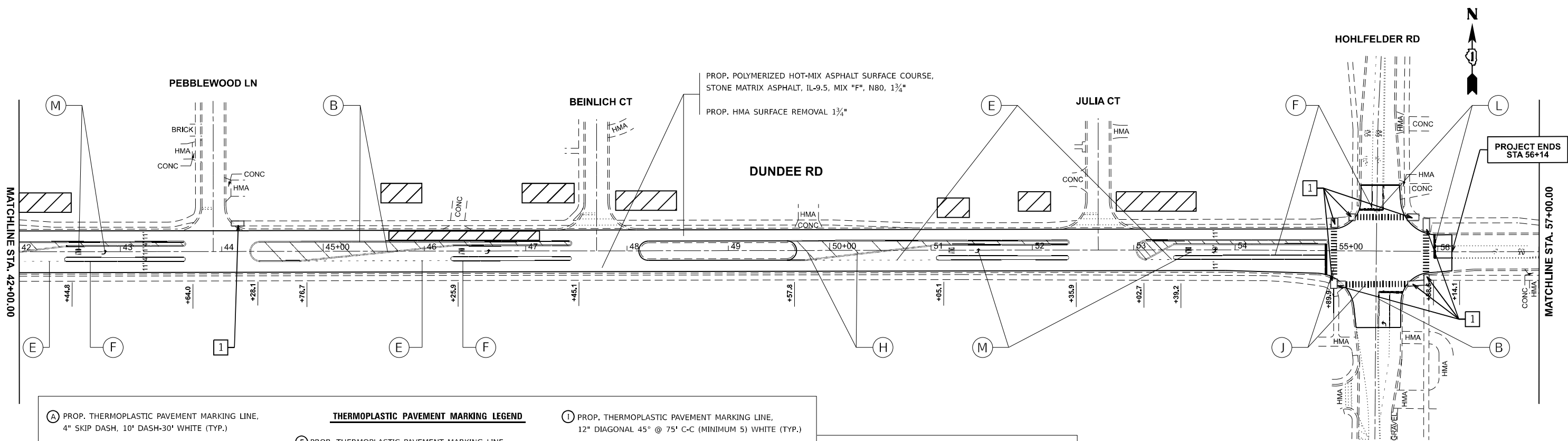
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.)

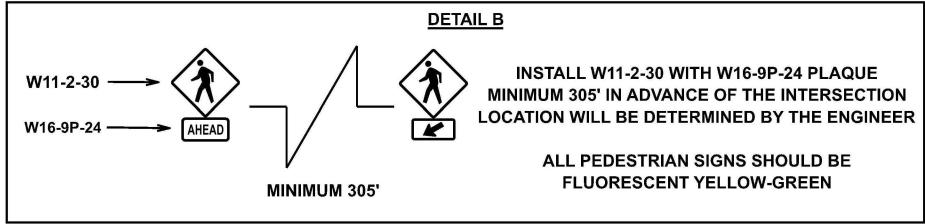
- PROPOSED ADA WORK LEGEND**
- 1** PROP. ADA SIDEWALK IMPROVEMENT SEE PROP. ADA RAMP DESIGN

PLOT DATE = 5/5/2026	USER NAME = syed.rzvi	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	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				



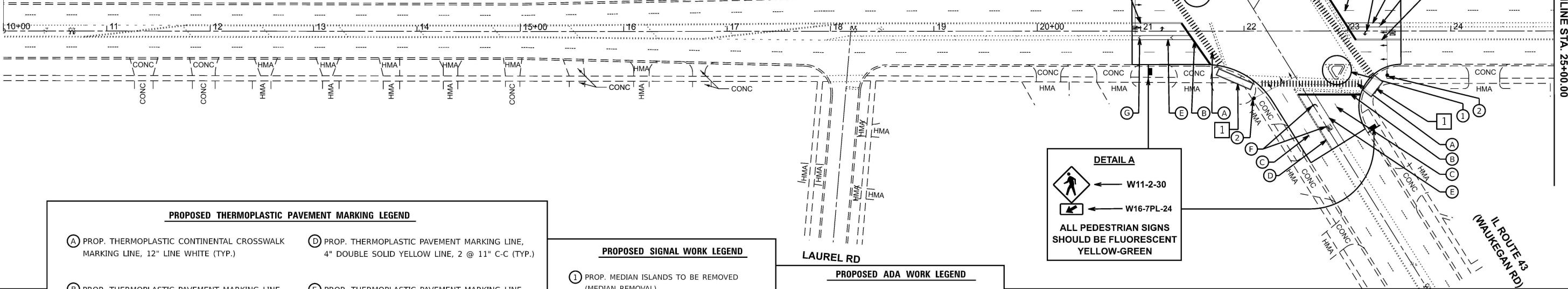
SHERMER RD

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

IL ROUTE 68
(DUNDEE RD)



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.)	(H) TREE PRUNING FOR SAFETY & EQUIPMENT CLEARENCE

PROPOSED SIGNAL WORK LEGEND

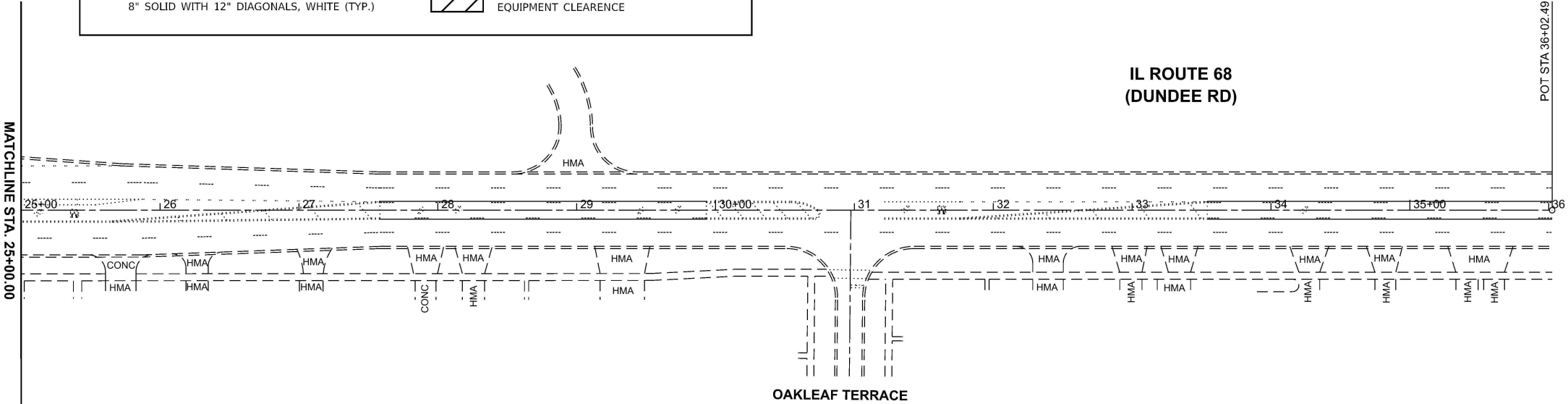
1 PROP. MEDIAN ISLANDS TO BE REMOVED (MEDIAN REMOVAL)
2 PROP. TRAFFIC SIGNAL & MAST ARM

PROPOSED ADA WORK LEGEND

1 PROP. ADA SIDEWALK IMPROVEMENT SEE PROP. ADA RAMP DESIGN
--



IL ROUTE 68
(DUNDEE RD)



MODEL: IL68_E_Plan_5 [Sheet]
FILE NAME: c:\pw\work\pilot\syed.a.rizvi\illinois.gov\1182376\0125420-shr-plan.dgn

	USER NAME = syed.rizvi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN IL ROUTE 68 (DUNDEE RD) AT IL ROUTE 43 (WAUKEGAN RD)			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1273	2019-122-RS&SW	COOK	77	14
		CHECKED -	REVISED -					CONTRACT NO. 62J64				
	PLOT DATE = 5/8/2026	DATE -	REVISED -		SCALE: 1"=50'	SHEET 4	OF 4 SHEETS	STA. 10+00.00	TO STA. 40+00.00	ILLINOIS FED. AID PROJECT		

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				F.A.U RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
USER NAME =		DESIGNED -						REVISED -		1273	2019-122-RS&SW		COOK	77	15
		DRAWN -						REVISED -							
PLOT DATE =		DATE -						REVISED -							
						SCALE:		SHEET 1 OF 24 SHEETS		STA. 0+00.00 TO STA. 0+00.00		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 -							CONTRACT NO. 62J64				
	PLOT DATE =	DATE -	REVISED -											
					SCALE:	SHEET 4	OF 24	SHEETS	STA.	TO STA.				

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				F.A.U RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
USER NAME =		DESIGNED -						REVISED -		1273	2019-122-RS&SW		COOK	77	26
		DRAWN -						REVISED -							
PLOT DATE =		DATE -						REVISED -							
						SCALE:		SHEET 12 OF 24 SHEETS		STA.		TO STA.		ILLINOIS FED. AID PROJECT	

	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1273	2019-122-RS&SW	COOK	77	27					
		CHECKED -	REVISED -							CONTRACT NO. 62J64				
	PLOT DATE =	DATE -	REVISED -											
					SCALE:	SHEET 13	OF 24	SHEETS	STA.	TO STA.				

	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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					SCALE:	SHEET 14	OF 24	SHEETS	STA.	TO STA.				

	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		1273	2019-122-RS&SW	COOK	77	29					
		CHECKED -	REVISED -		CONTRACT NO. 62J64									
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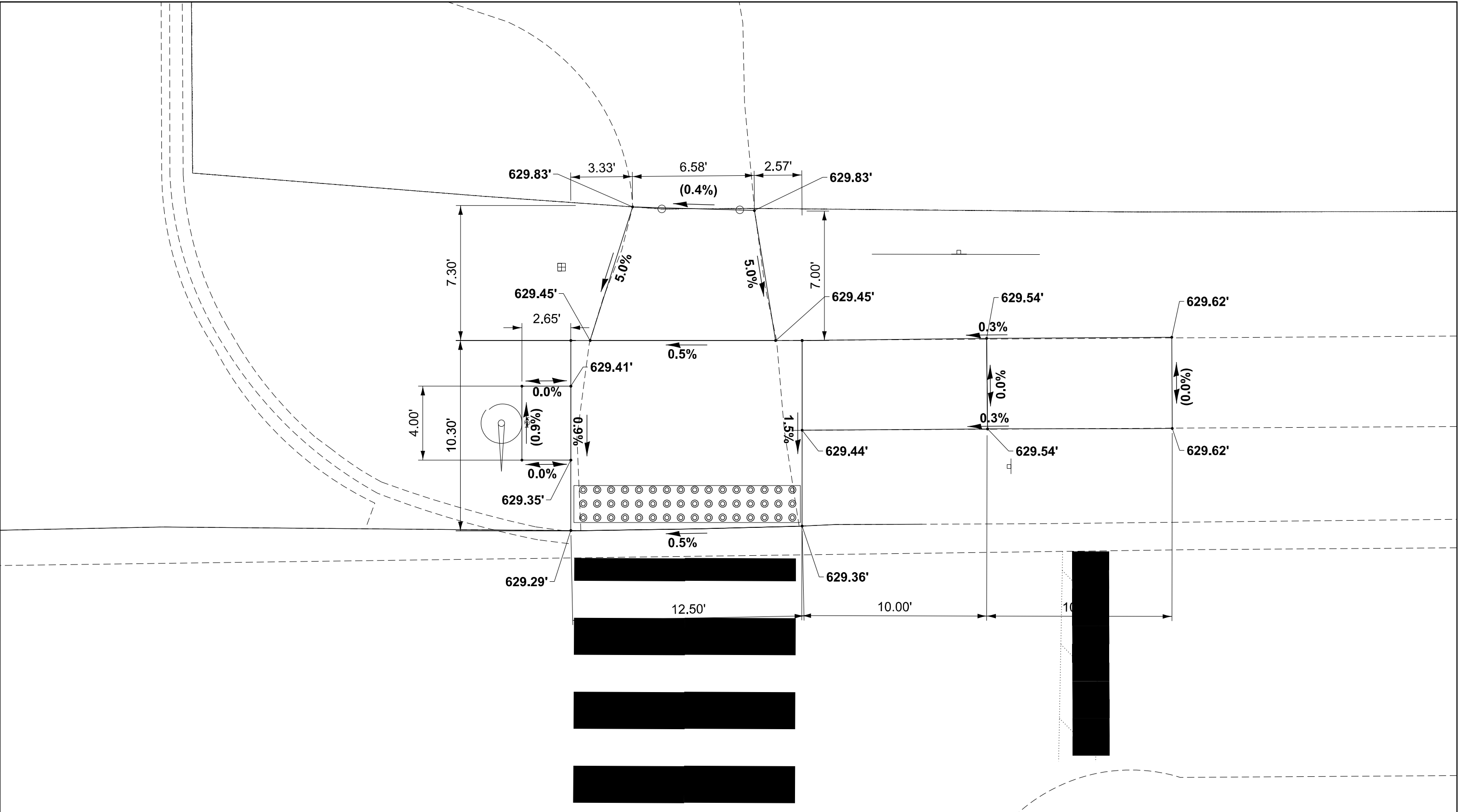
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		DRAWN -						REVISED -							
PLOT DATE =		DATE -						REVISED -							
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	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -		CONTRACT NO. 62J64									
	PLOT DATE =	DATE -	REVISED -		SCALE:	SHEET 19	OF 24	SHEETS	STA.	TO STA.				
									ILLINOIS FED. AID PROJECT					

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				F.A.U RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -						REVISED -							
PLOT DATE =		DATE -						REVISED -							
						SCALE:		SHEET 23 OF 24 SHEETS		STA.		TO STA.		ILLINOIS FED. AID PROJECT	

				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				F.A.U RTE.		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
USER NAME =		DESIGNED -						REVISED -		1273	2019-122-RS&SW		COOK	77	38
		DRAWN -						REVISED -							
PLOT DATE =		DATE -						REVISED -							
						SCALE:		SHEET 24 OF 24 SHEETS		STA.		TO STA.		ILLINOIS FED. AID PROJECT	

MODEL: Botanical Garden Entrance (Sheet)
FILE NAME: c:\p\work\botgarden\ada.rvt\ada.rvt.dgn



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 -

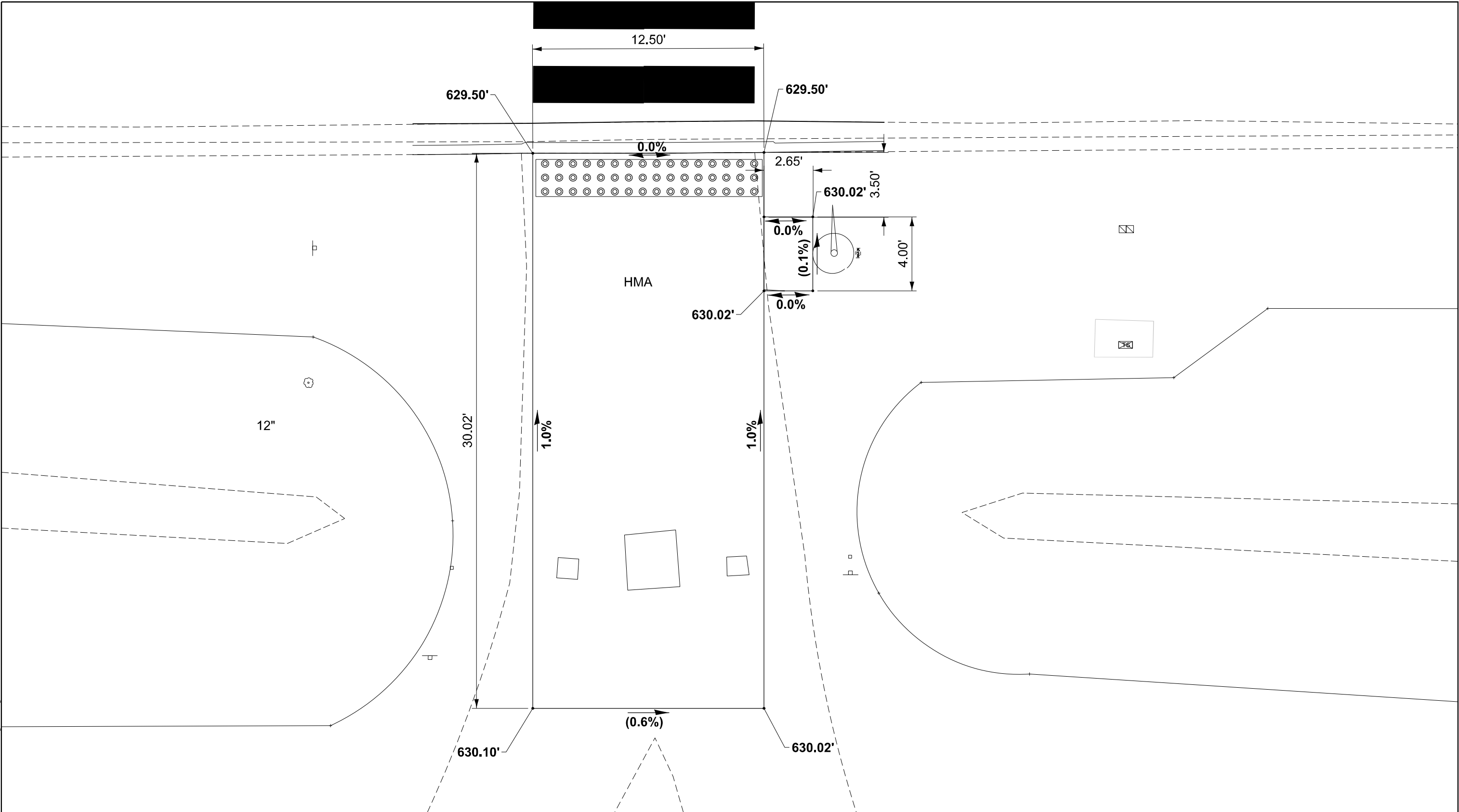
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DESIGNS
IL-68 / N. BRANCH TRAIL (CHICAGO BOTANICAL GARDEN ENTRANCE)

SCALE: SHEET 2 OF 10 SHEETS 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	40
CONTRACT NO. 62J64				
ILLINOIS FED. AID PROJECT				

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FILE NAME: c:\paw_work\paw\bot\syed.a.rizvi@illinois.gov\118237\10125420-Design-ADA.dgn



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

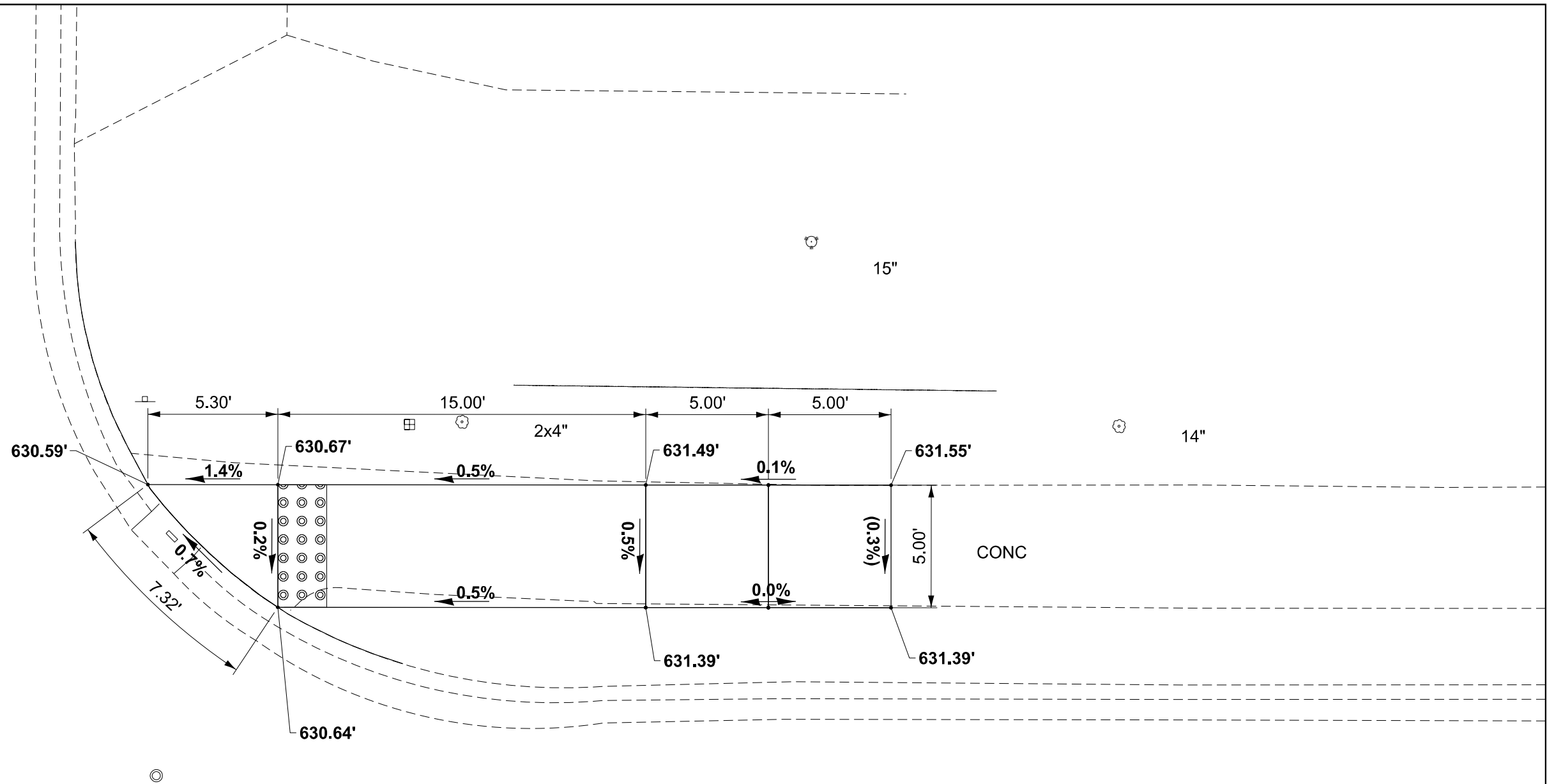
LOCATION: IL-68 (DUNDEE RD.) @ N. BRANCH TRAIL
NORTH & SOUTH LEGS OF CROSSWALK

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

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				



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

USER NAME	= syed.rizvi	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
CHECKED	-	REVISION	-	REVISION	-
DATE	-	REVISION	-	REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

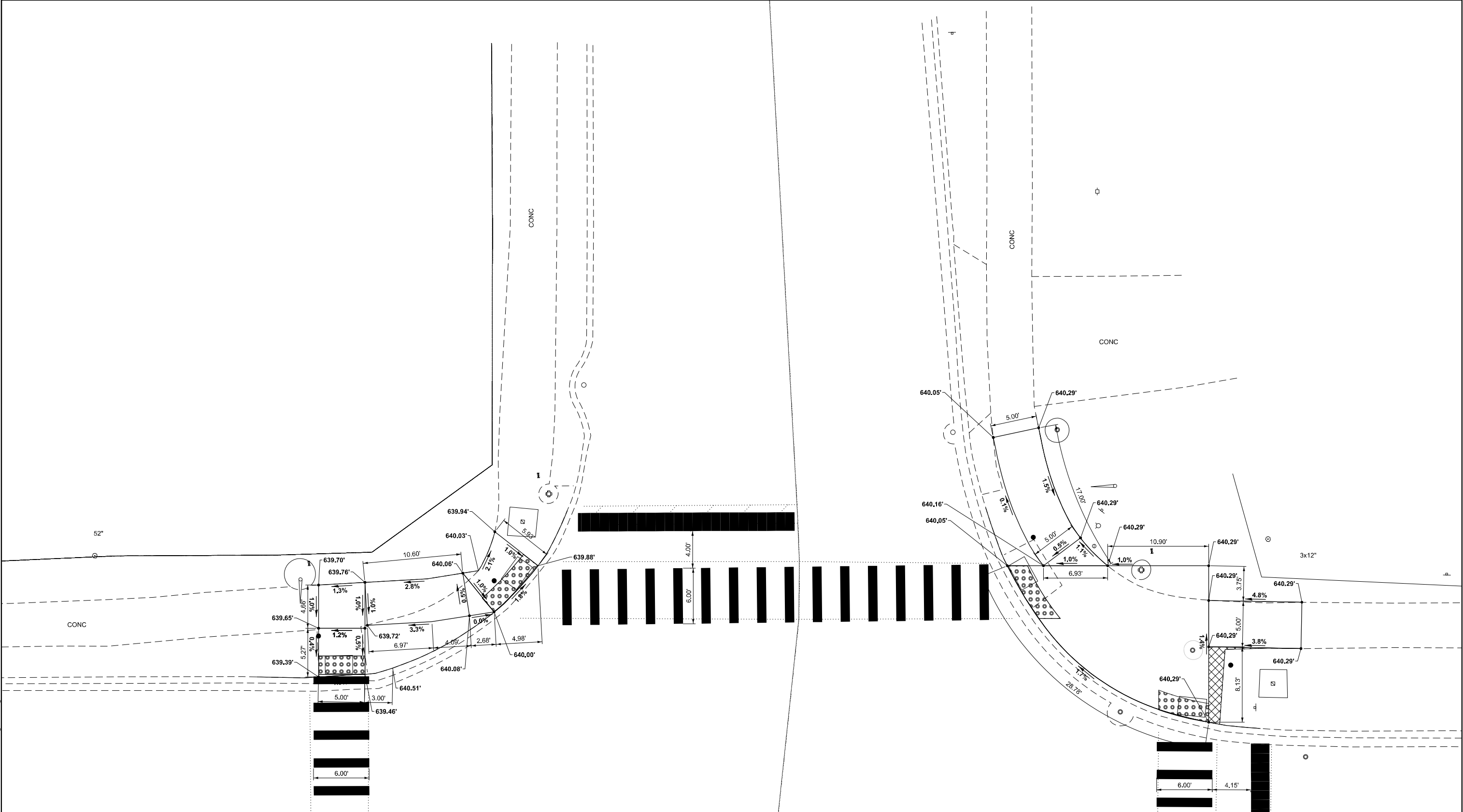
ADA RAMP DESIGNS
IL-68 / PEBBLEWOOD DR (NORTHEAST LEG)

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				

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MODEL: 68 - Forestway Dr (ADA N. Side) [Sheet]
FILE NAME: c:\paw_work\pawdod\syed.a.rizvi@illinois.gov\1182377\0125420-Design-ADA.dgn



REFERENCE BENCHMARK ELEVATION: 640.77'

BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF
H.H IN SE CORNER OF DUNDEE RD & FORESTWAY DR
LOCATION: IL-68 (DUNDEE RD.) @ FORESTWAY DR
(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: 640.77'

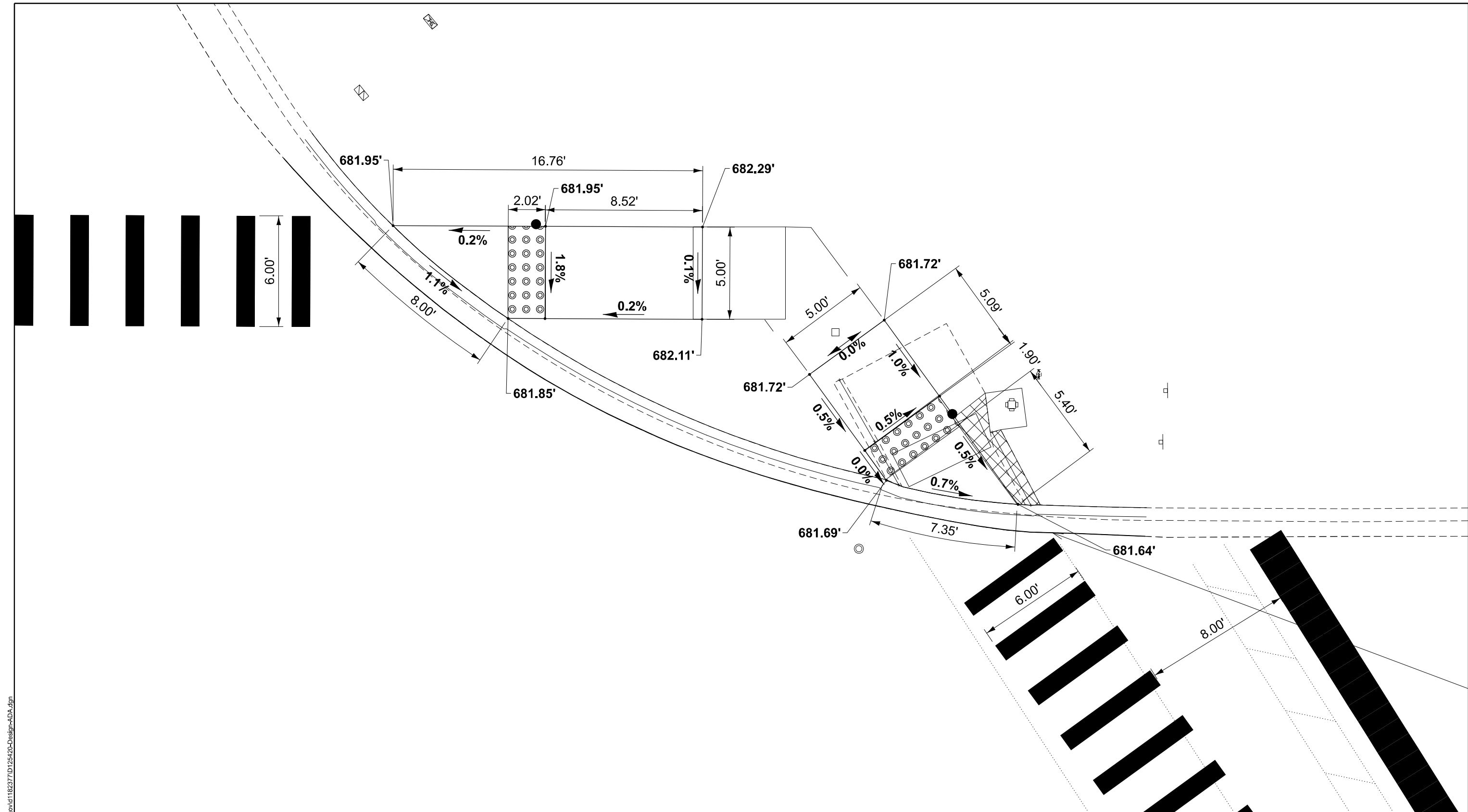
BENCHMARK: SQUARE IN SW CORNER OF CONC RIM OF
H.H IN SE CORNER OF DUNDEE RD & FORESTWAY DR
LOCATION: IL-68 (DUNDEE RD.) @ FORESTWAY DR
(ALL 4 CORNERS)

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 / FORESTWAY DR (NORTH HALF)			
SCALE:	SHEET 5	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	43
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)

MODEL: Waukegan Rd NE Corner [Sheet]
FILE NAME: c:\paw\work\paw\syed.a.rizvi@illinois.gov\118237\10125420-Design-ADA.dgn

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

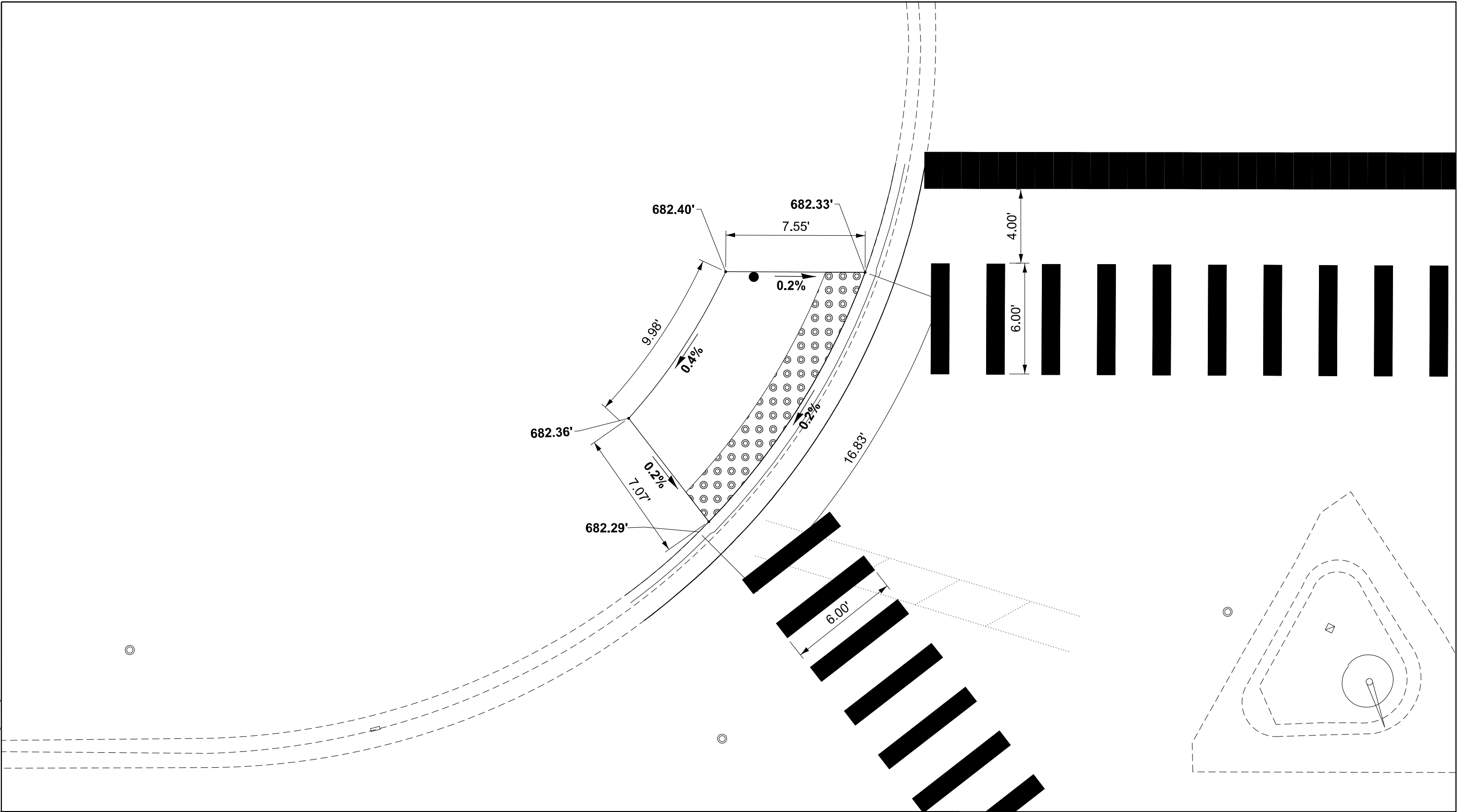
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

MODEL: Waukegan Rd NW 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)

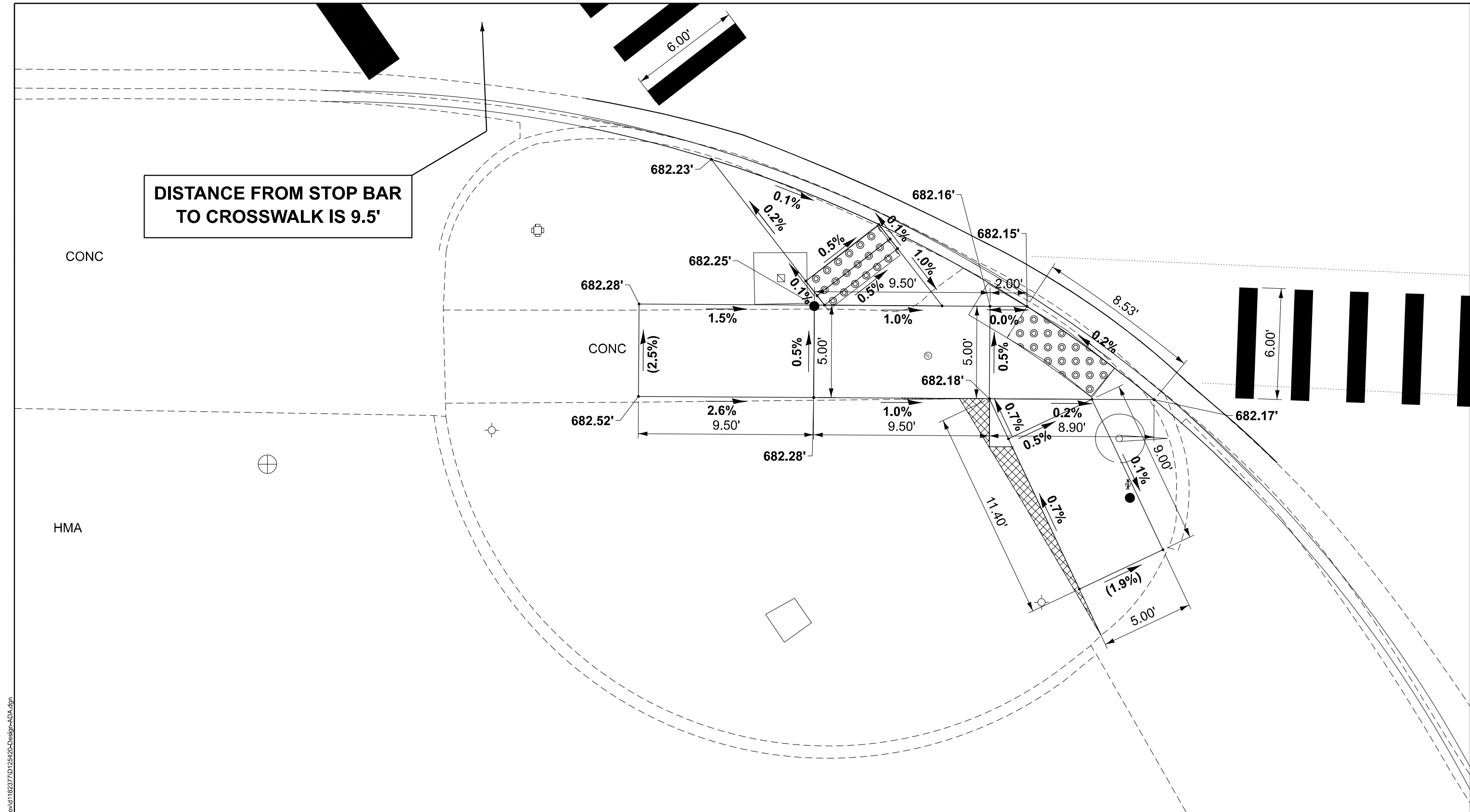
LEGEND

- 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)

	USER NAME = syed.rizvi	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DESIGNS IL-68 (DUNDEE RD) / IL-43 (WAUKEGAN RD) (NW CORNER)			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1273	2019-122-RS&SW	COOK	77	46
		CHECKED -	REVISED -					CONTRACT NO. 62J64				
	PLOT DATE = 4/15/2026	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET 8	OF 10 SHEETS	STA. 0+00.00	TO STA. 0+00.00			



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)

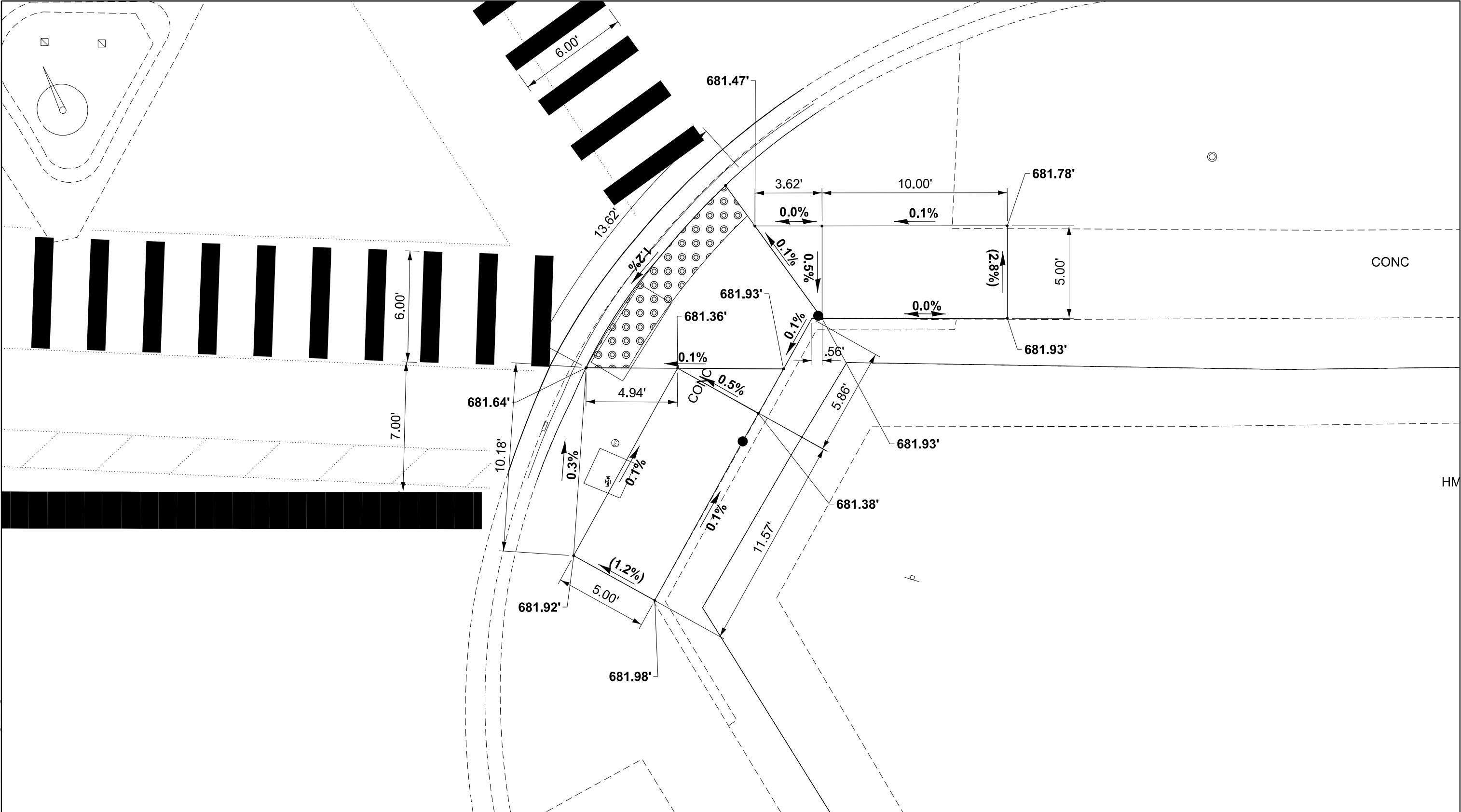
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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 4/15/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

MODEL: Waukegan Rd SE Corner (Sheet)
FILE NAME: c:\paw\work\paw\syed.a.rizvi@illinois.gov\118237\10125420-Design-ADA.dgn

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

DESIGNED	-
REVISIONS	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

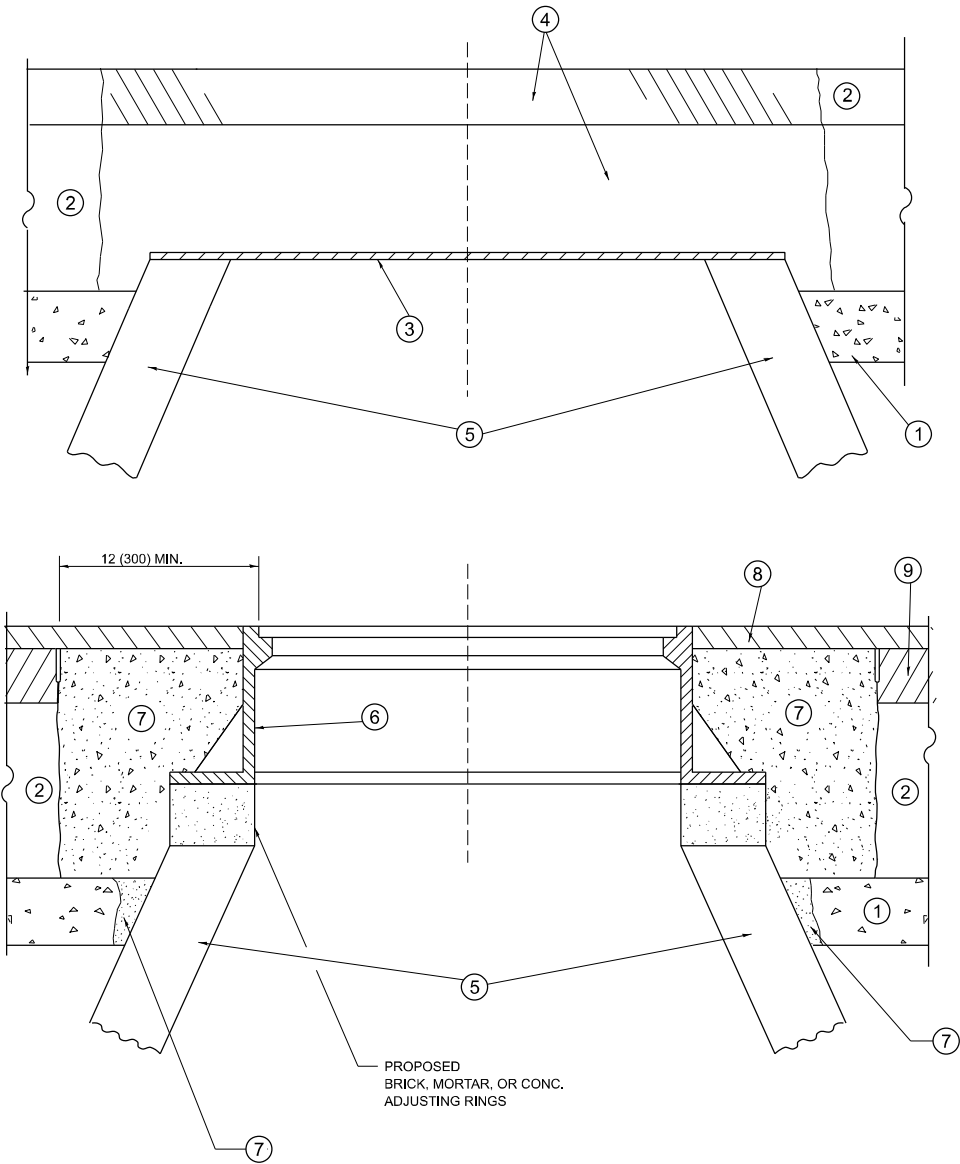
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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				

MODEL: BD-08 [Sheet]
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**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

	USER NAME = syed.rizvi	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 12-06-11					1273	2019-122-RS&SW	COOK	77	49
		CHECKED -	REVISED - K. SMITH 11-18-22		BD600-03 (BD-08)			CONTRACT NO. 62J64				
	PLOT DATE = 4/15/2026	DATE - 10-25-94	REVISED - K. SMITH 09-15-23		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

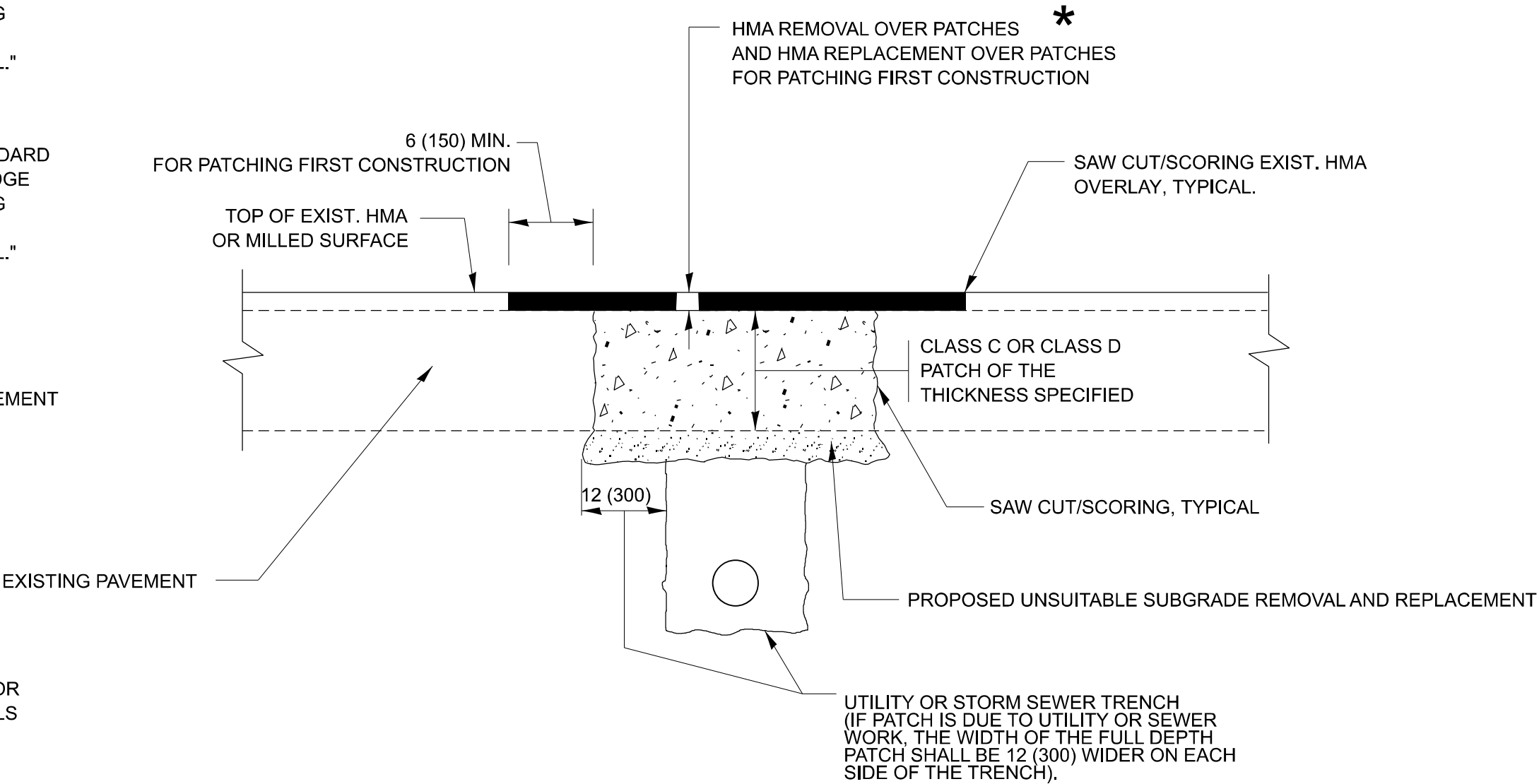
METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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

* 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.

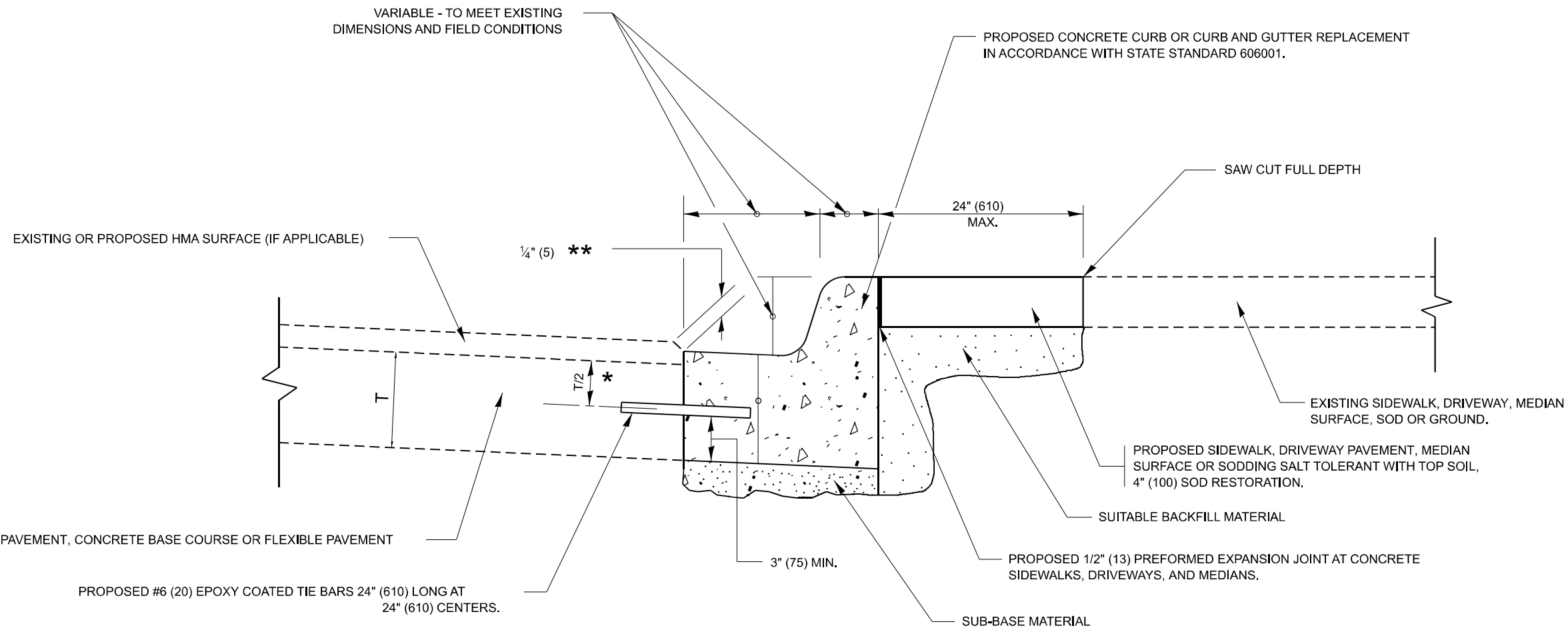
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

MODEL: BD-22 (Sheet)
FILE NAME: c:\pav_work\pavtools\syed.a.rizvi@illinois.gov\1182376\0125420-sh+DistSrts.dgn

	USER NAME = syed.rizvi	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07						1273	2019-122-RS&SW	COOK	77	50
		CHECKED -	REVISED - K. ENG 10-27-08						BD400-04 (BD-22) CONTRACT NO. 62J64				
	PLOT DATE = 4/15/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		ILLINOIS FED. AID PROJECT								
						SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		



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

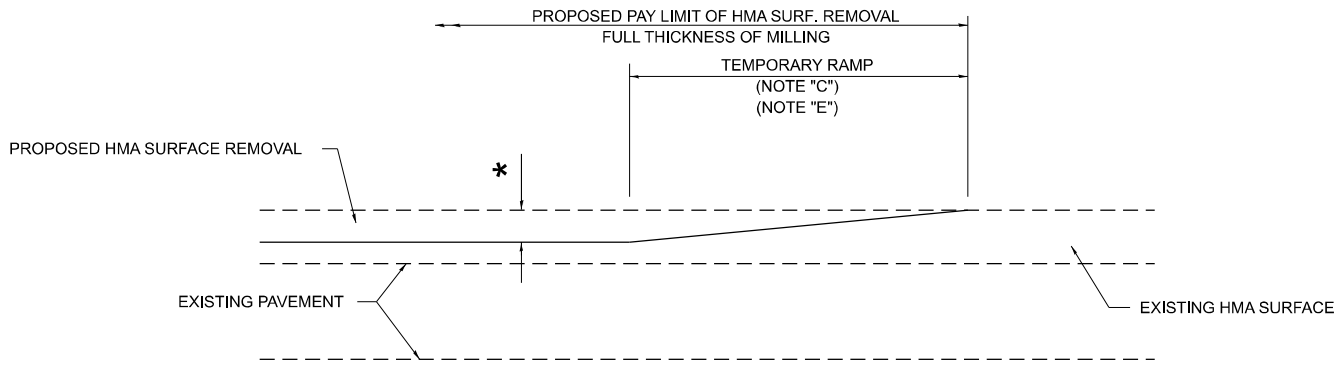
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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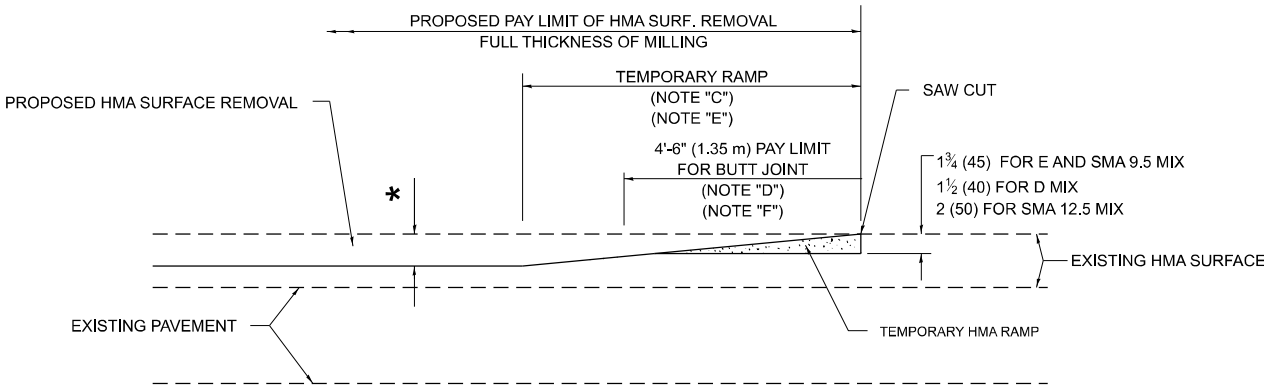
USER NAME = syed.rizvi	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - M. GOMEZ 01-22-01						1273	2019-122-RS&SW	COOK	77	51
	CHECKED -	REVISED - R. BORO 12-15-09		BD600-06 (BD-24)		CONTRACT NO. 62J64						
PLOT DATE = 4/15/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		ILLINOIS FED. AID PROJECT								
			SCALE: NONE		SHEET 1	OF 1	SHEETS	STA.	TO STA.			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

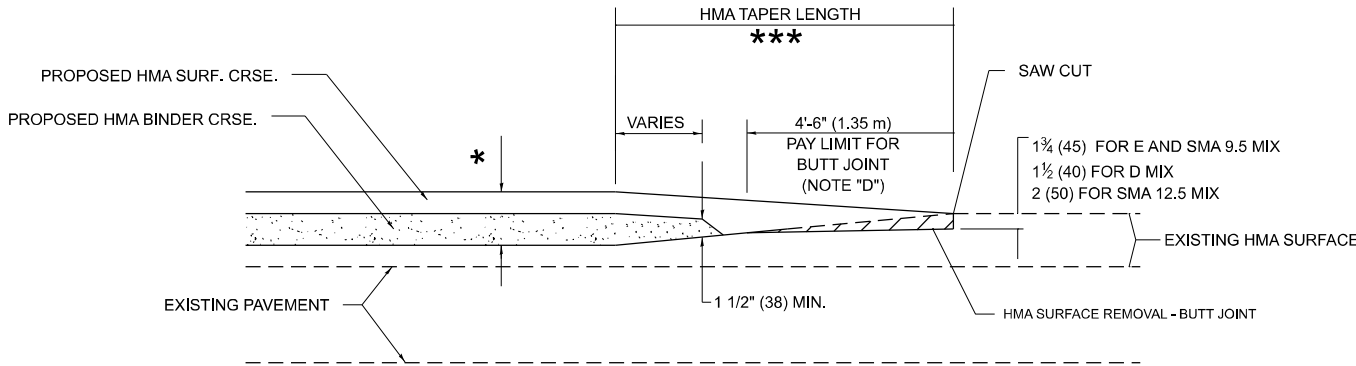


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

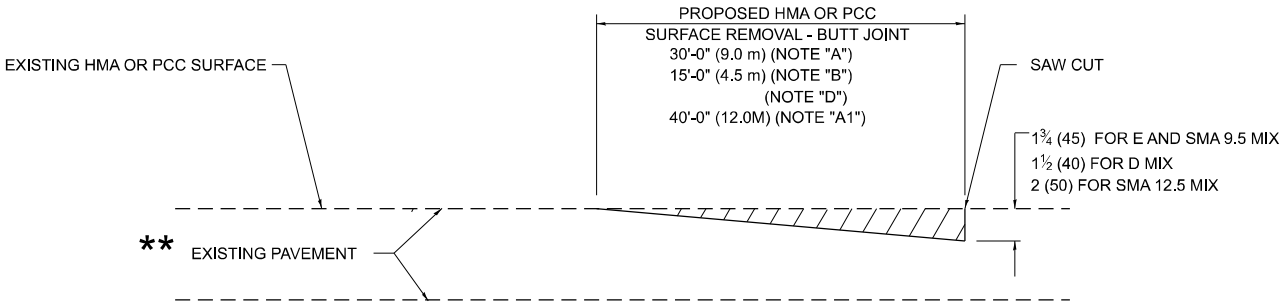
OPTION 2

TYPICAL TEMPORARY RAMP

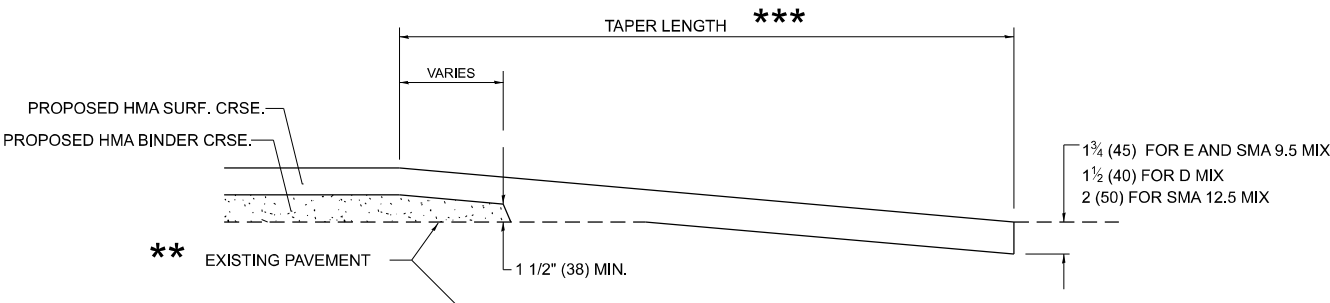


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

- MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- INTERSTATES.
- MINOR SIDE ROADS.
- THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- 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.
- 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

- 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".
- 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.

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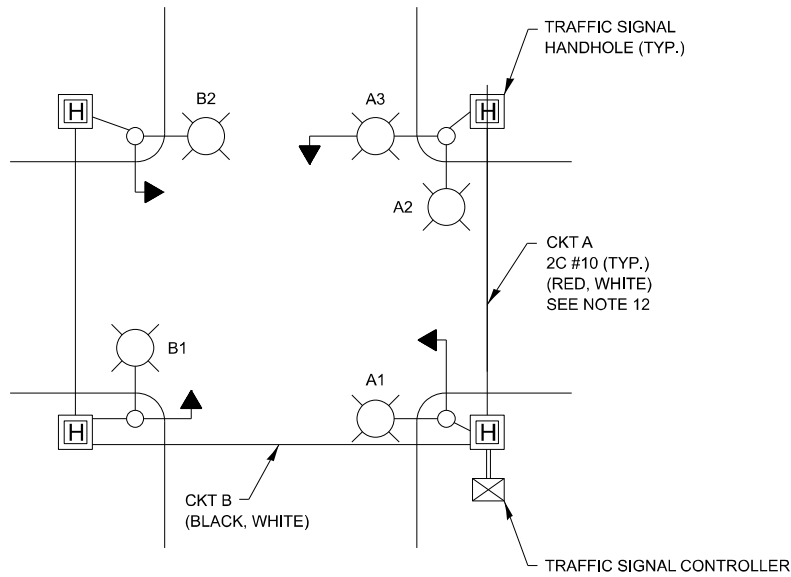
USER NAME = syed.rizvi	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 4/15/2026	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

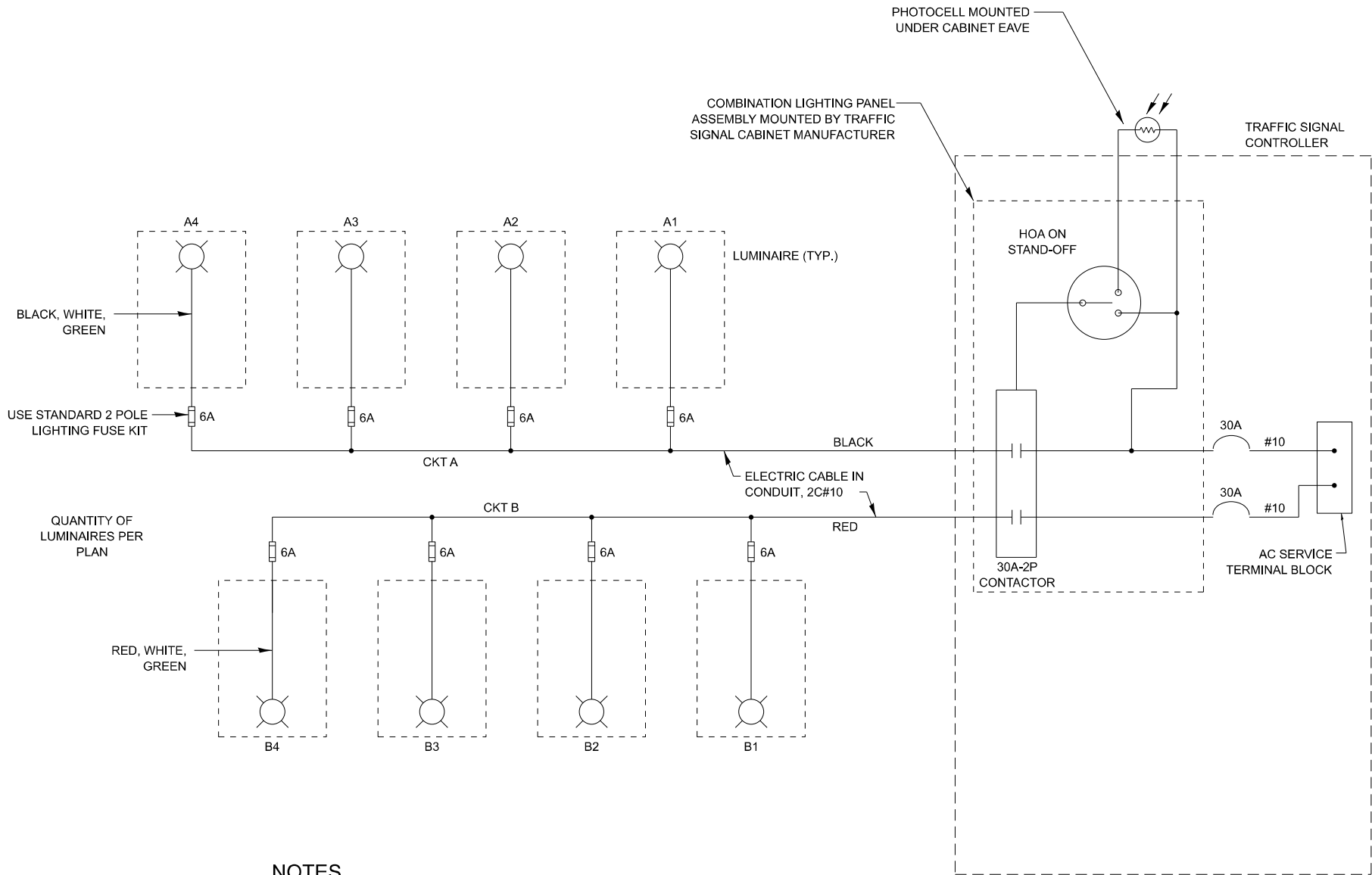
BUTT JOINT AND HMA TAPER DETAILS

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

F.A.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		

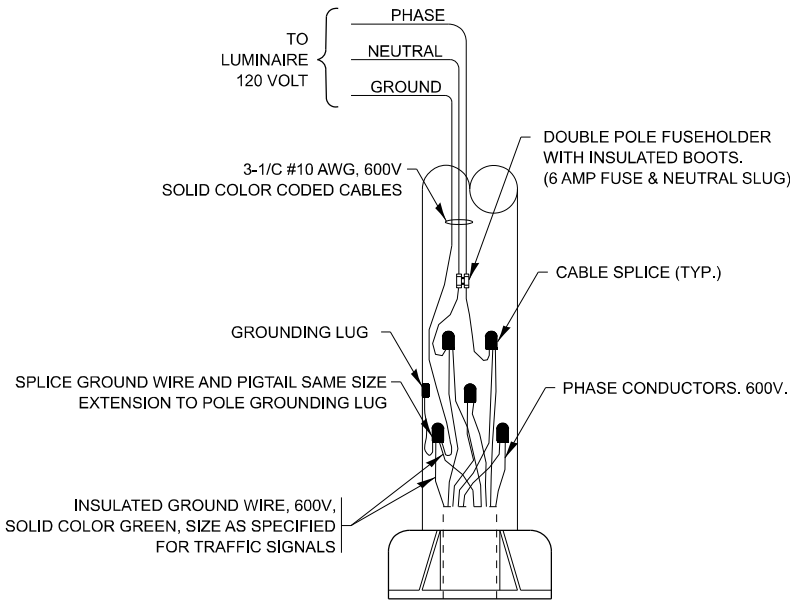


TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



NOTES

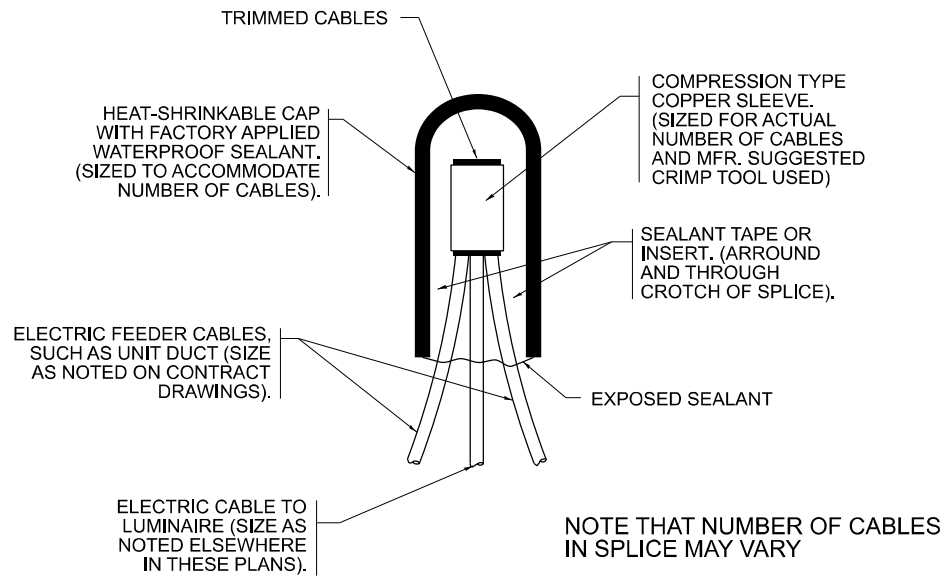
- 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
- TWO #10 (XLP-TYPE USE) CABLES TO BE USED FOR LIGHTING CIRCUITS.
- ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
- FOR LIGHTING CIRCUITS, CONNECT TWO CIRCUIT BREAKERS TO AC 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.



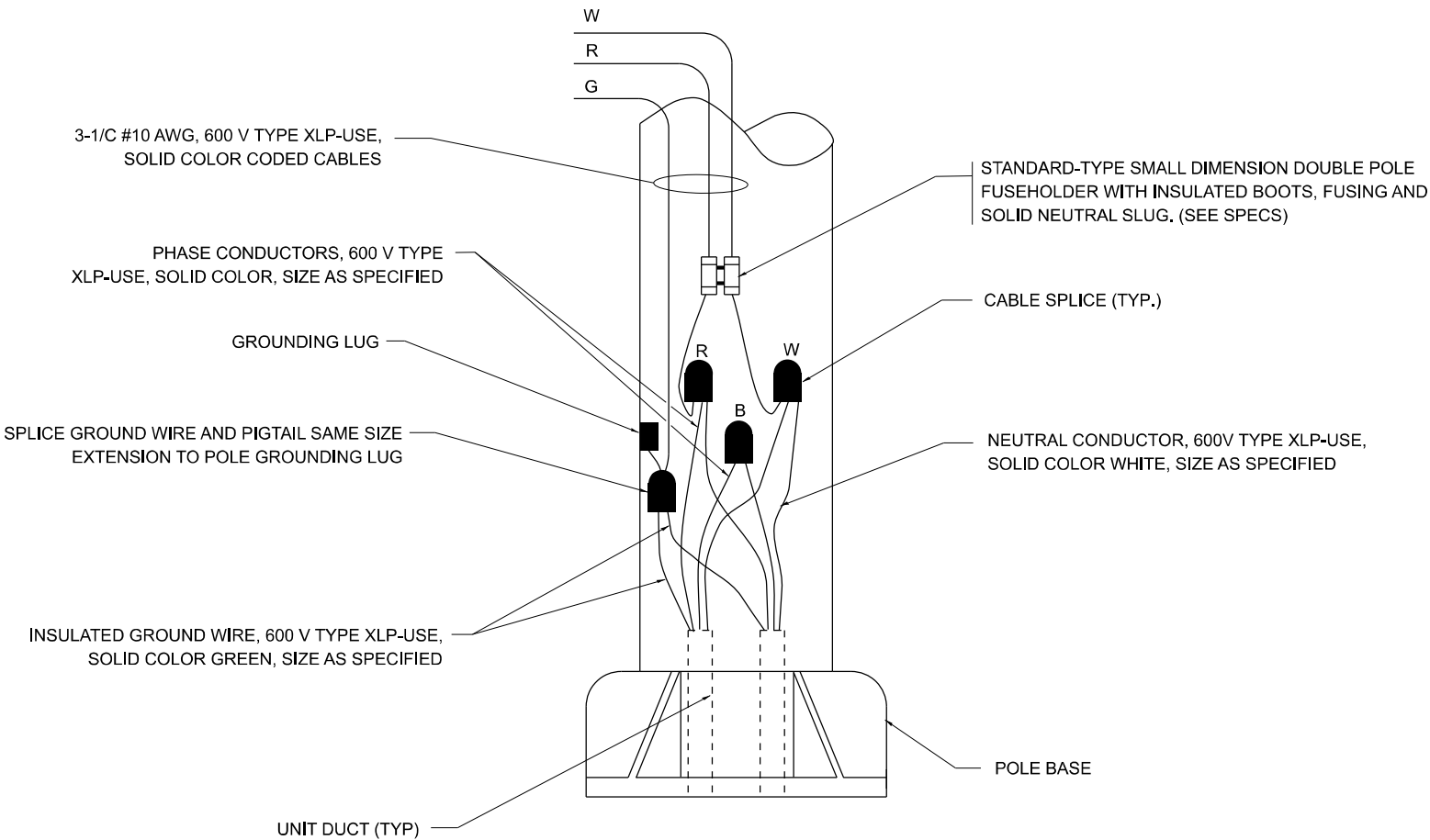
COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

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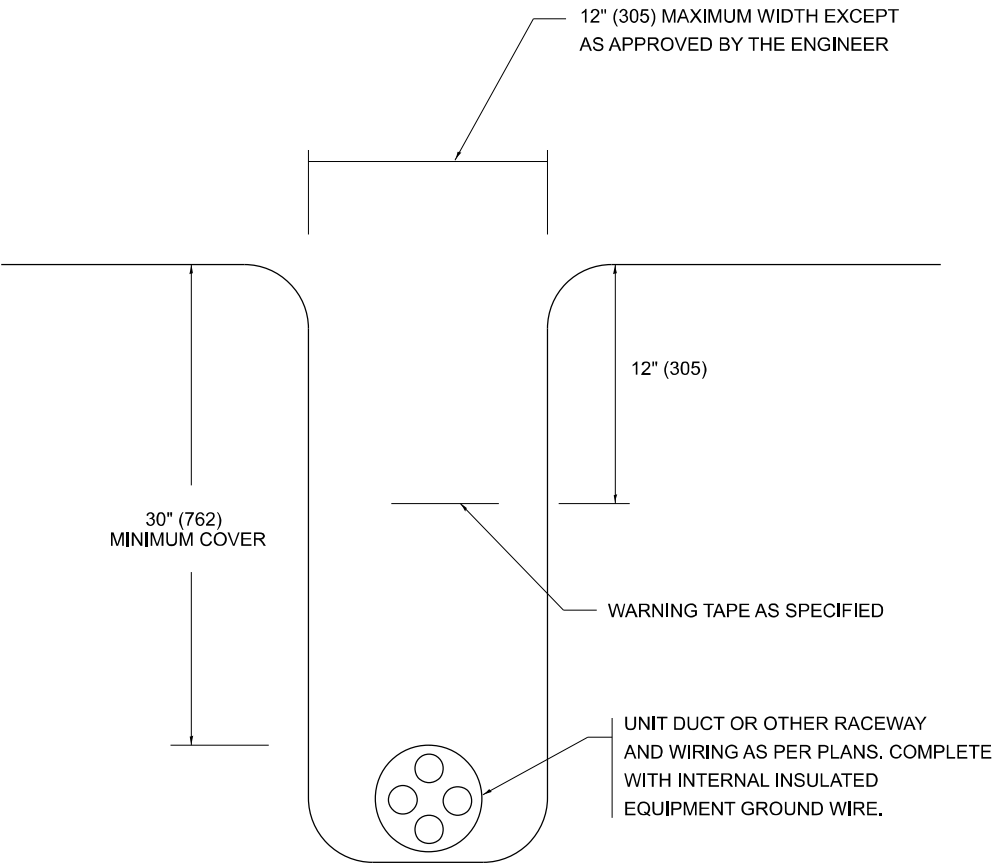
	USER NAME = syed.rizvi	DESIGNED - RT	REVISED - T.G. 4/12/2017	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. TOMSONS 3/22/18						1273	2019-122-RS&SW	COOK	77	53
		CHECKED - RT	REVISED - T.G. 8/03/2021					BE-240		CONTRACT NO. 62J64			
	PLOT DATE = 4/15/2026	DATE - 08/18/2014	REVISED - T.G. 5/05/2022		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.				
								ILLINOIS		FED. AID PROJECT			



TYPICAL SPLICE DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

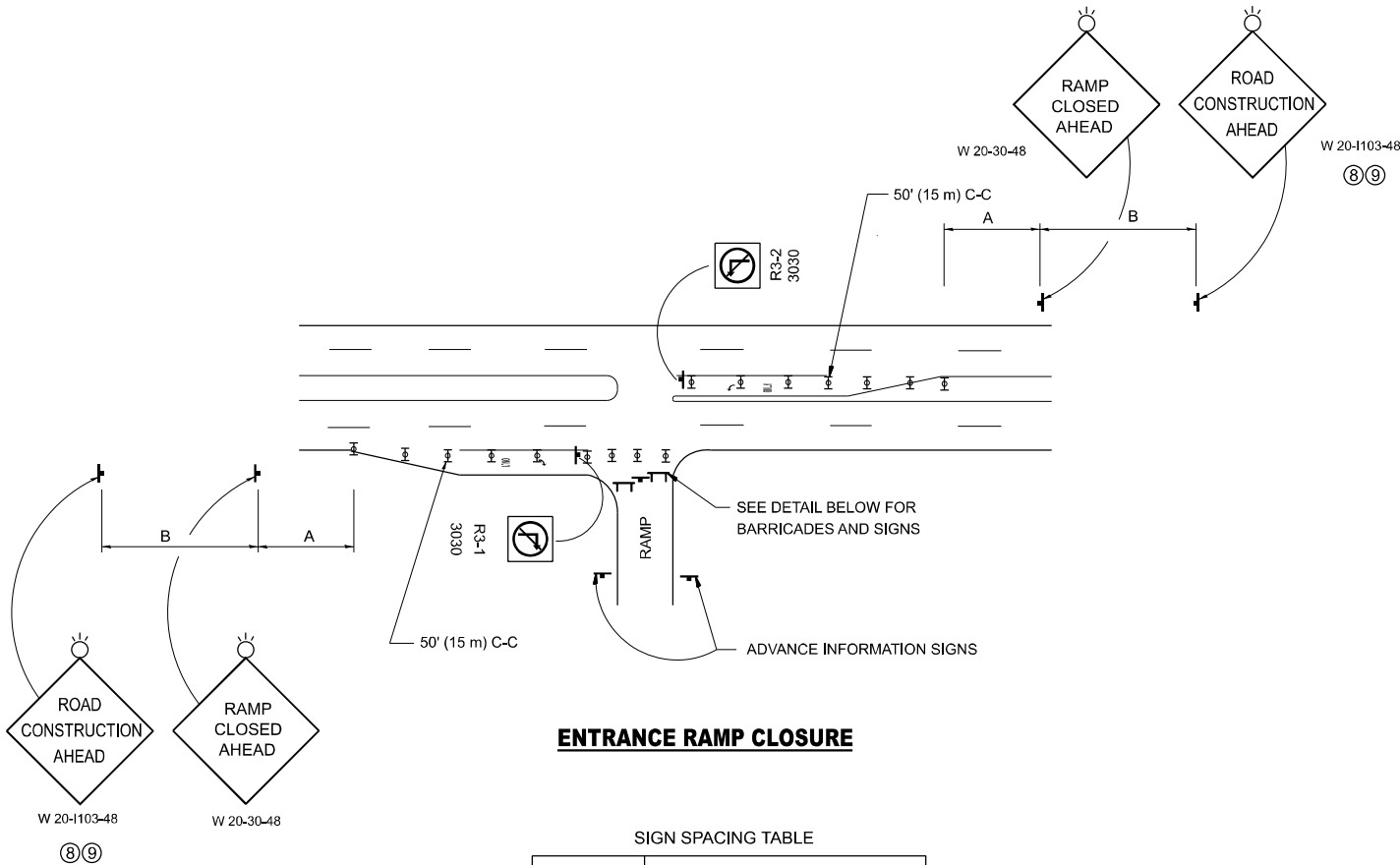


TYPICAL WIRING IN TRENCH DETAIL
N.T.S.

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		DRAWN -	REVISED -					1273	2019-122-RS&SW	COOK	77	54
		CHECKED -	REVISED -		BE-702			CONTRACT NO. 62J64				
	PLOT DATE = 4/15/2026	DATE - 08/08/2003	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.			

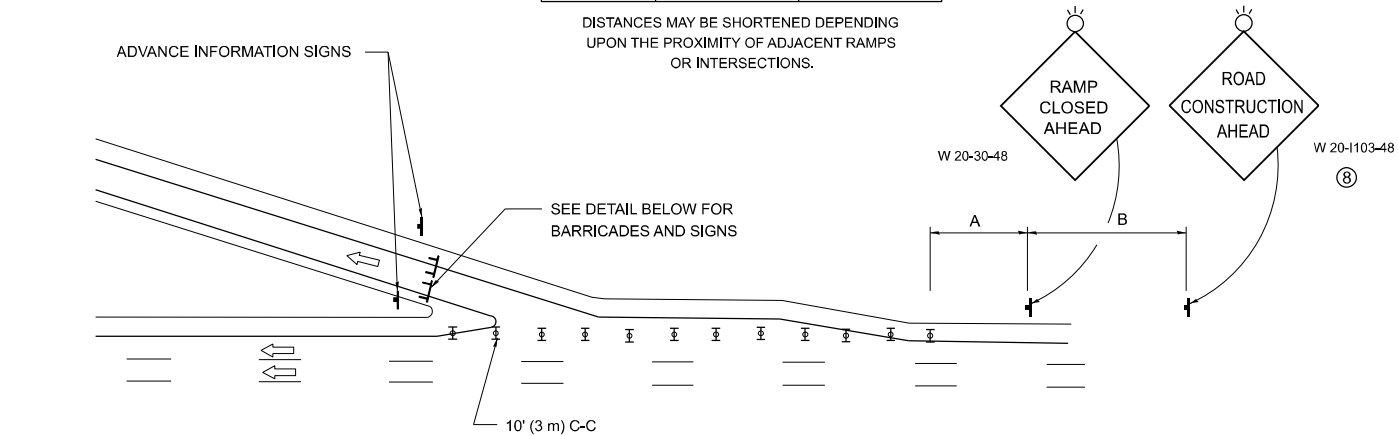
ILLINOIS FED. AID PROJECT



ENTRANCE RAMP CLOSURE

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)

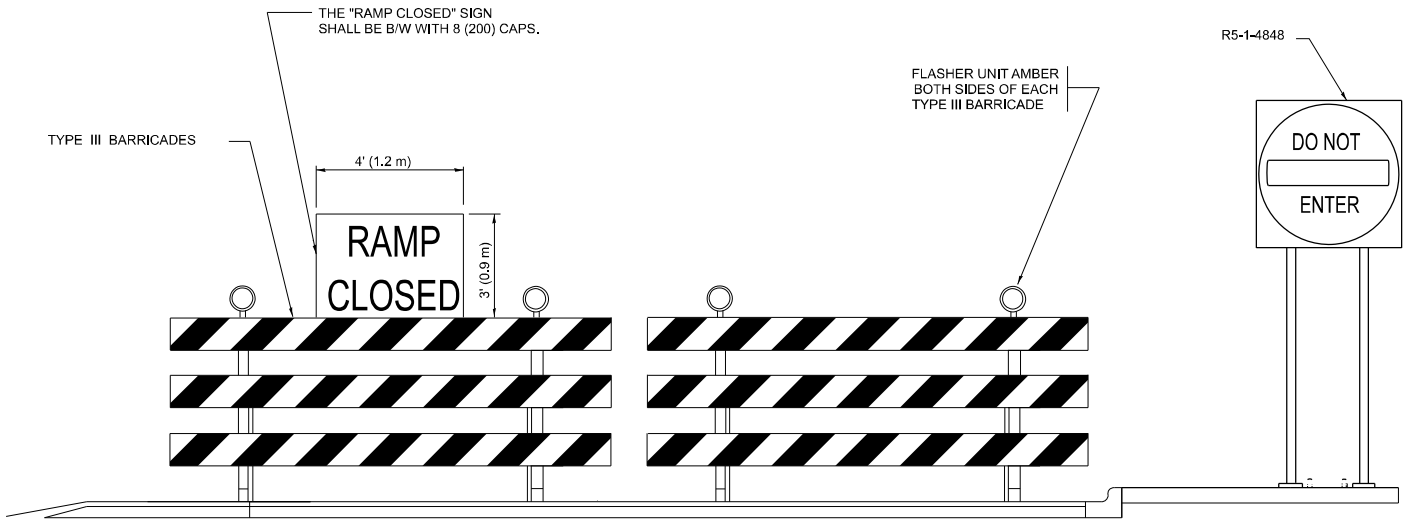
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

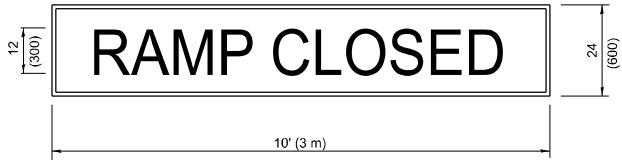
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



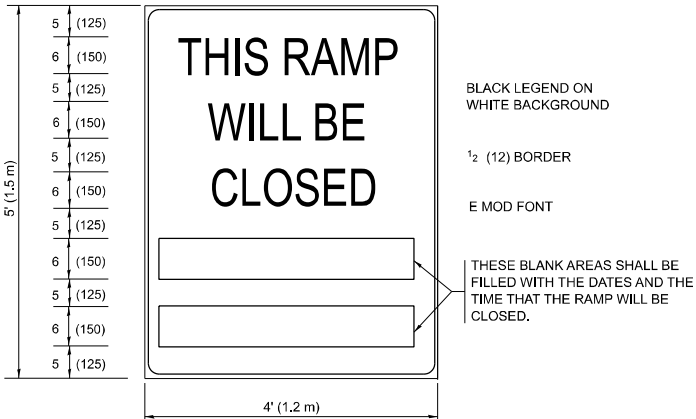
BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

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



GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 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.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 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
- 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.
- 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.

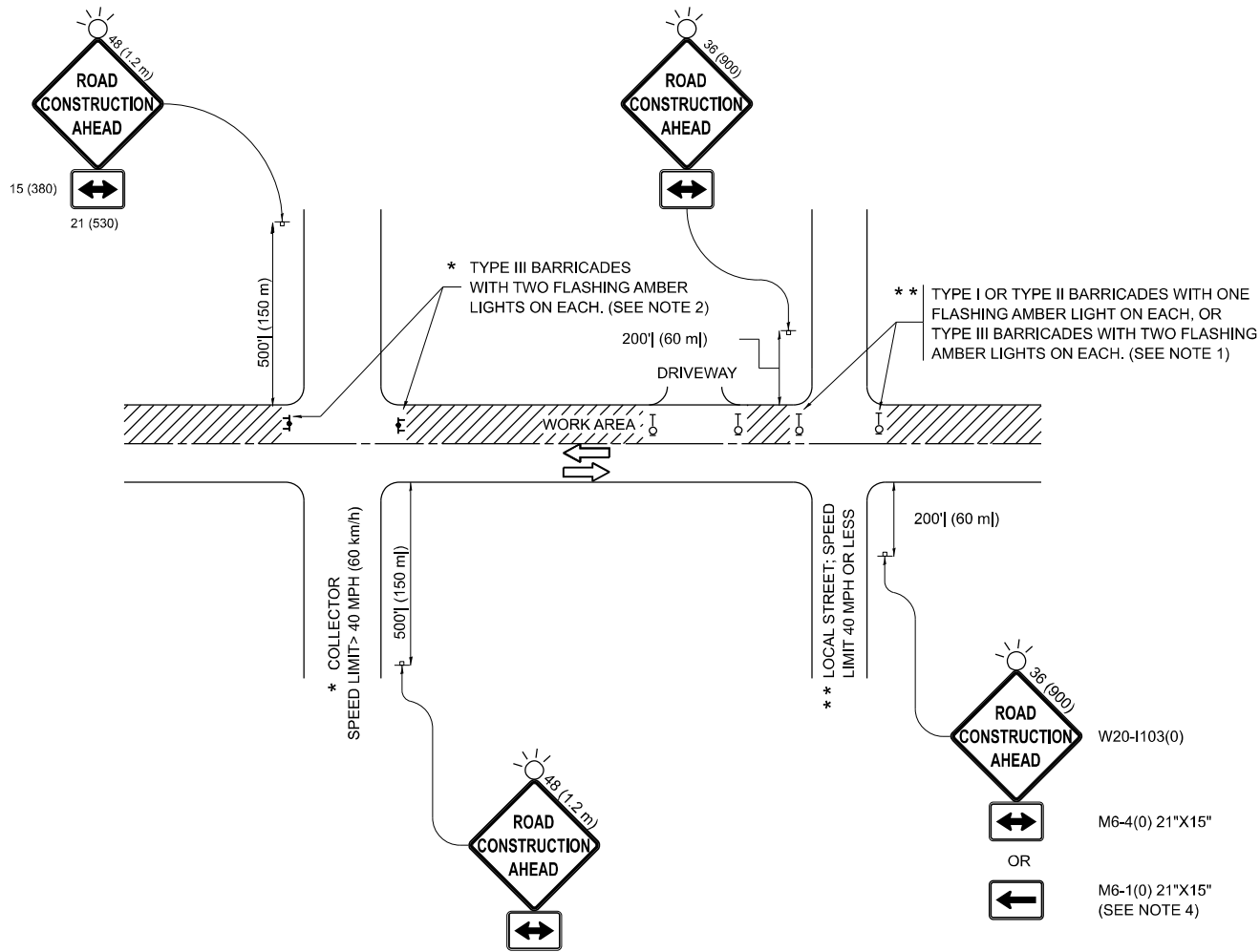
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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		

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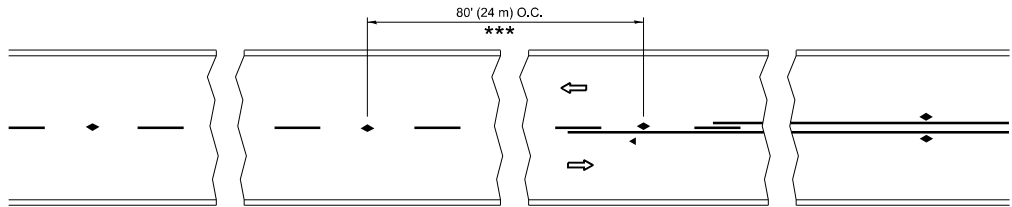


NOTES:

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

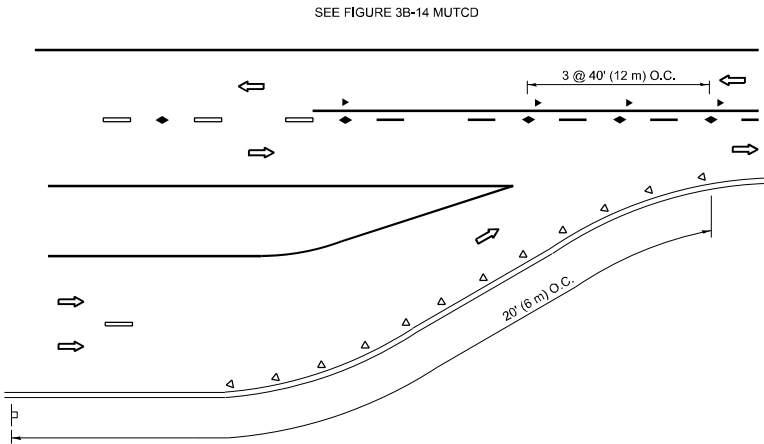
All dimensions are in inches (millimeters)
unless otherwise shown.

	USER NAME = syed.rizvi	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. SCHUETZE 07-01-13						1273	2019-122-RS&SW	COOK	77	56
		CHECKED -	REVISED - A. SCHUETZE 09-15-06						TC-10		CONTRACT NO. 62J64		
	PLOT DATE = 4/15/2026	DATE - 06-89	REVISED - D. SENDERAK 05-03-24						ILLINOIS FED. AID PROJECT				
SCALE:		SHEET OF SHEETS		STA.		TO STA.							

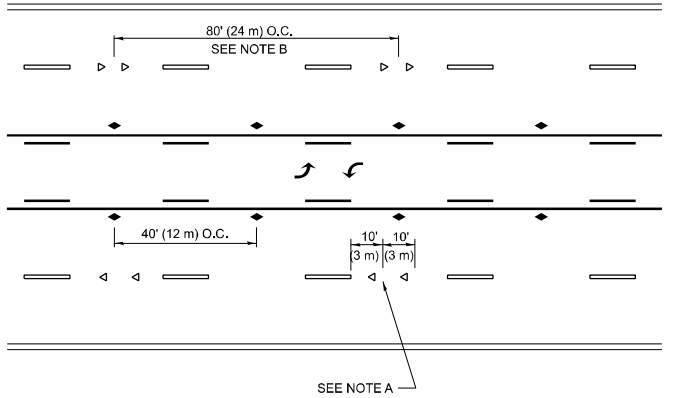


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

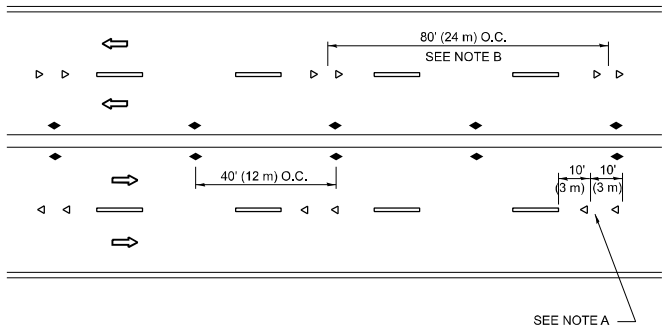


LANE REDUCTION TRANSITION



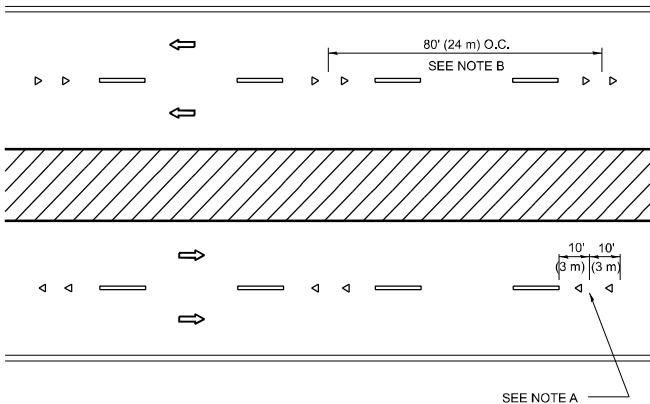
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

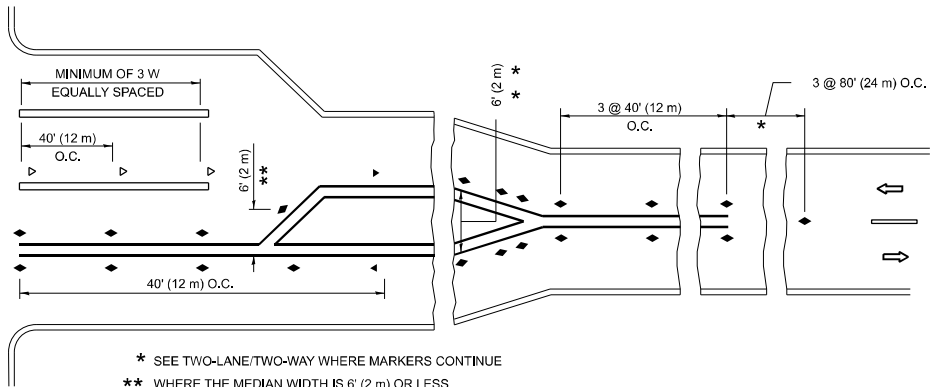
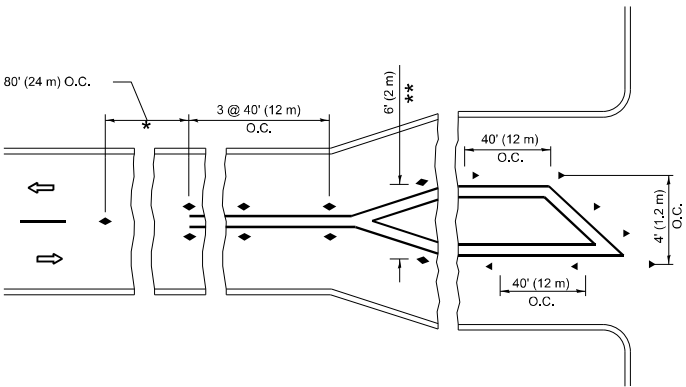
- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

MODEL: TC-11 [Sheet]
FILE NAME: c:\p\work\pwork\sysved.a.rizvi@illinois.gov\182376\0125420-sh+Dist\Stds.dgn

PLOT DATE = 4/15/2026	USER NAME = syed.rizvi	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
		DRAWN -	REVISED - T. RAMMACHER 01-06-00
		CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13	

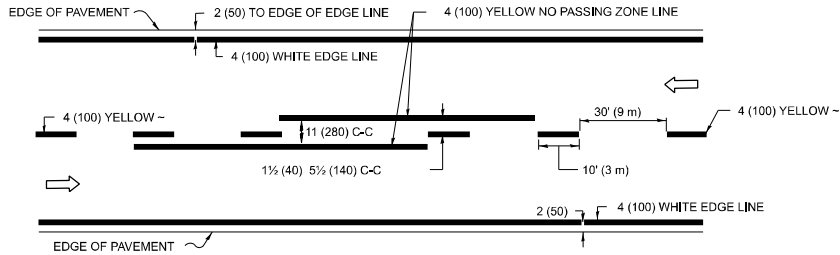
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

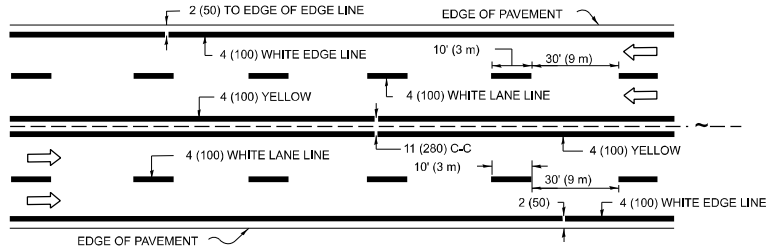
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		

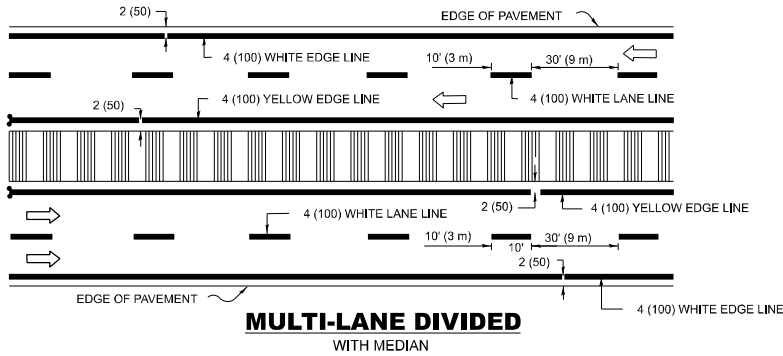
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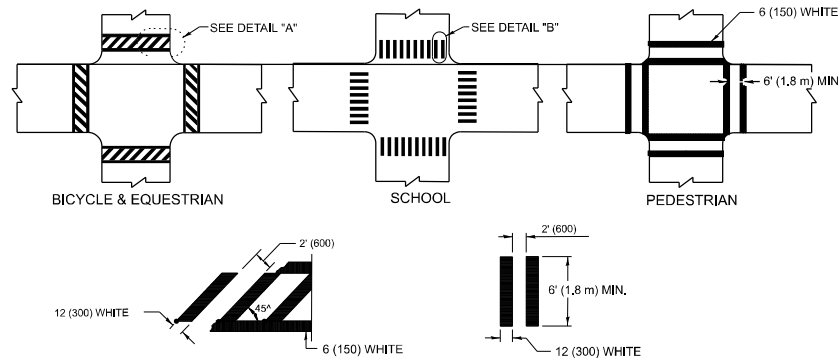
2-LANE ROADWAY



MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING

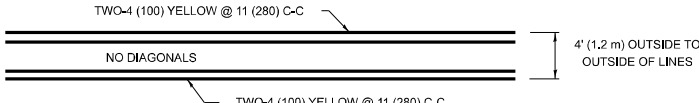


DETAIL "A"

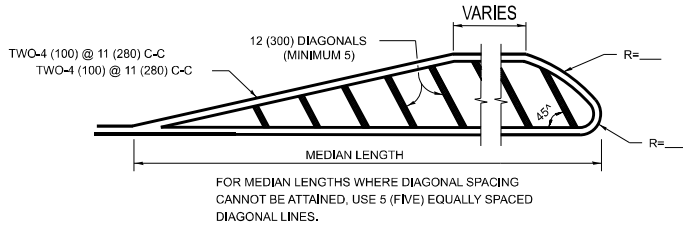
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

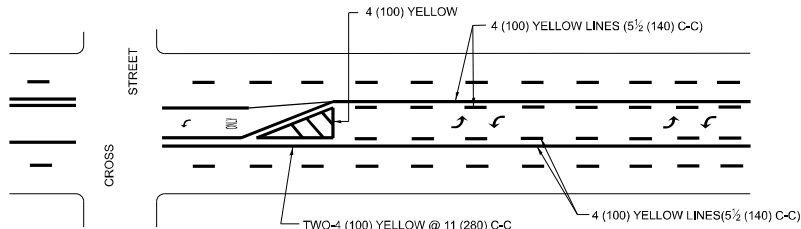


4' (1.2 m) WIDE MEDIANS ONLY



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

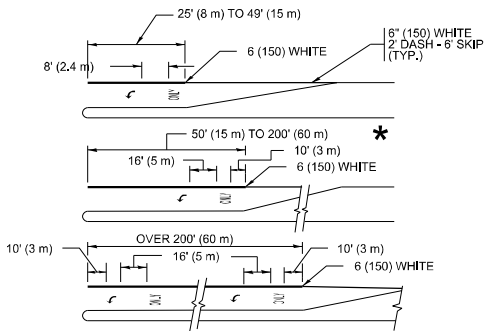
MEDIANS OVER 4' (1.2 m) WIDE



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

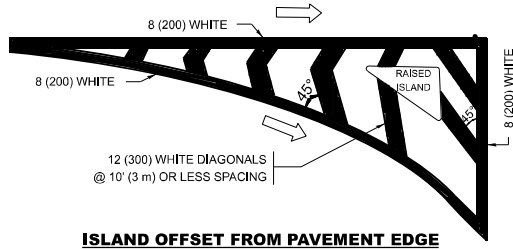


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

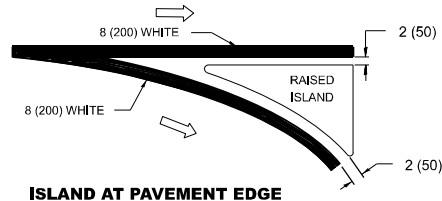
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

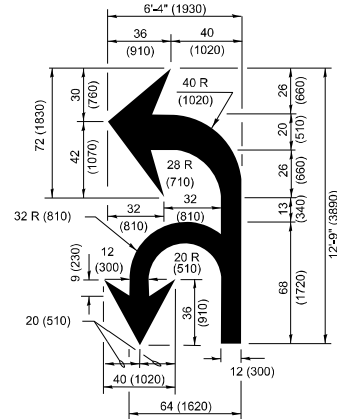


ISLAND OFFSET FROM PAVEMENT EDGE

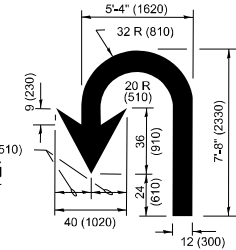


ISLAND AT PAVEMENT EDGE

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.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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.
CORE 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 7800001.

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

USER NAME = syed.rizvi	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
	CHECKED -	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

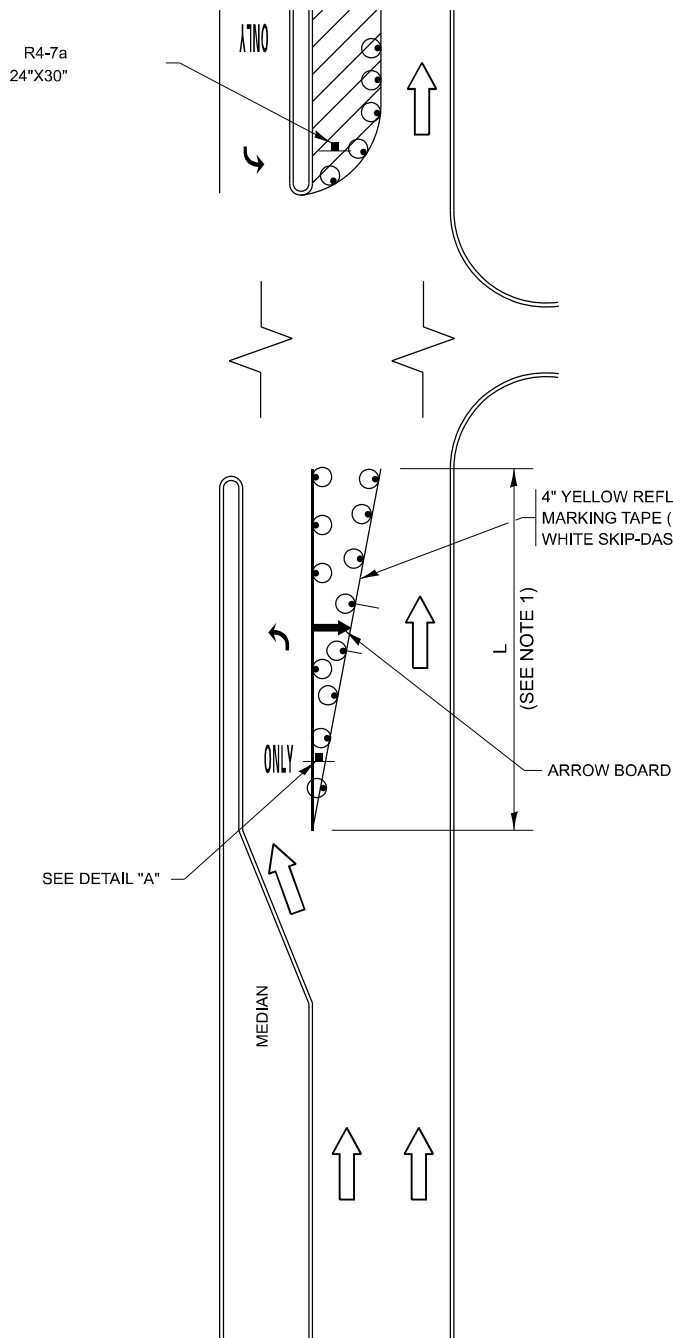


FIGURE 1

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:

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

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

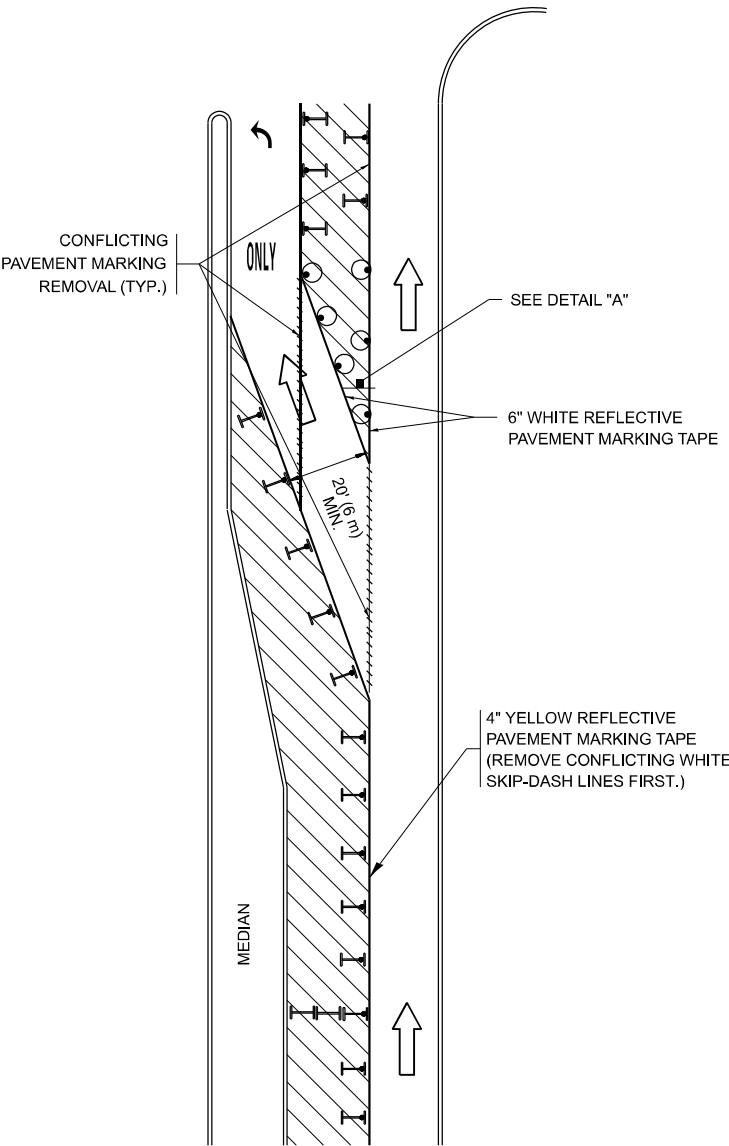
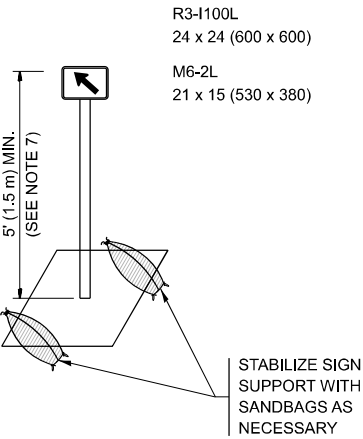


FIGURE 2



DETAIL A

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

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USER NAME	= syed.rzvi
DESIGNED	- T. RAMMACHER 09-08-94
DRAWN	- A. HOUSEH 11-07-95
CHECKED	- A. HOUSEH 10-12-96
PLOT DATE	= 4/15/2026
DATE	- T. RAMMACHER 01-06-00

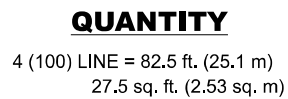
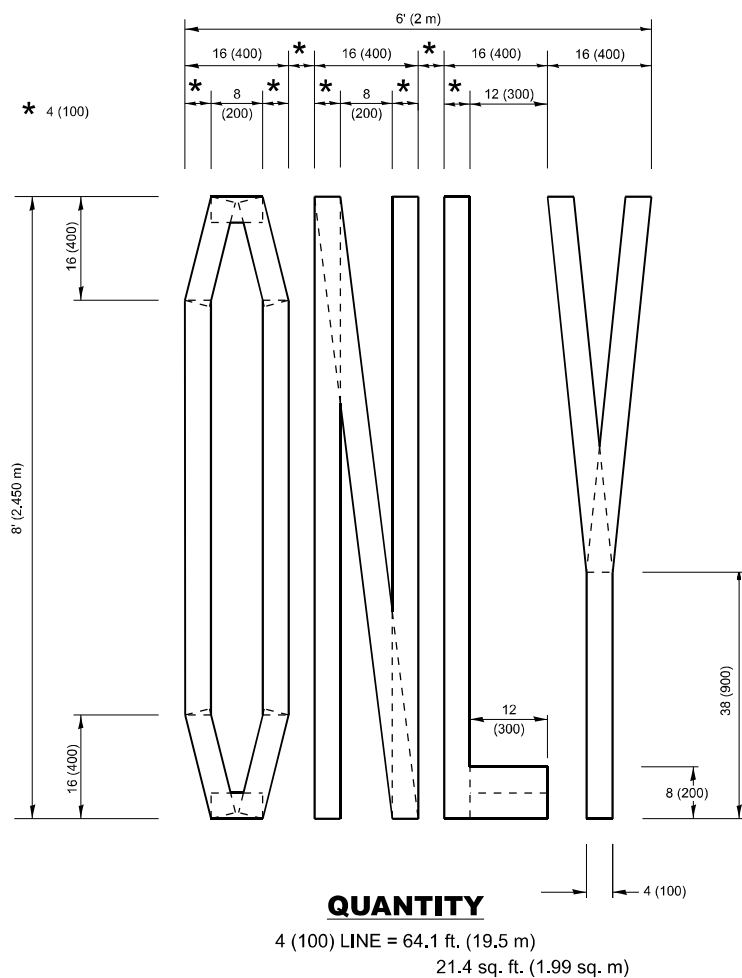
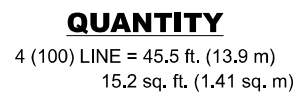
REVISED	- R. BORO 09-14-09
REVISED	- A. SCHUETZE 07-01-13
REVISED	- A. SCHUETZE 09-15-16
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

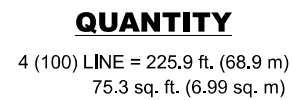
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	59
TC-14		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		



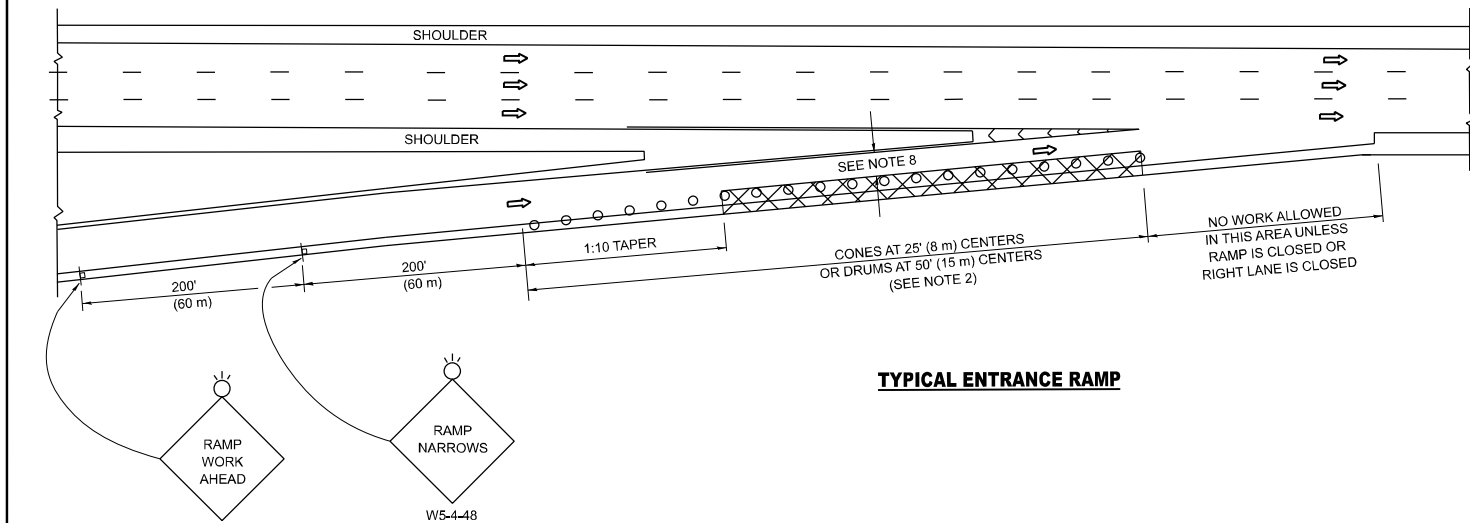
ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
IN LINEAR FEET OF 4" LINES TO MATCH THE
4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



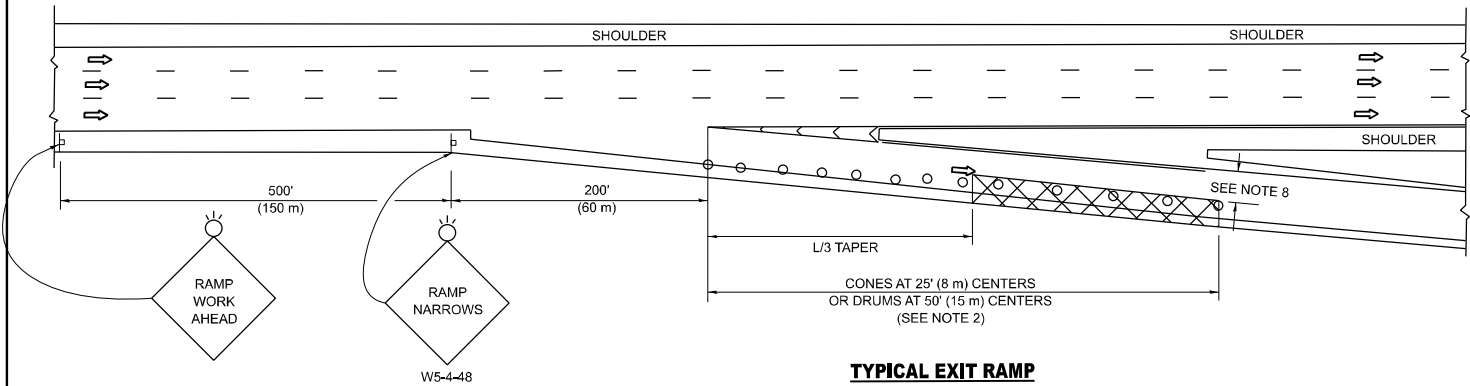
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USER NAME = syed.rizvi	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS				F.A.U RTE.	SECTION	COUNTY	TOTAL SHEET	SHEET NO.
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	CHECKED -	REVISED - E. GOMEZ 08-28-00		TC-16				CONTRACT NO. 62J64				
PLOT DATE = 4/15/2026	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16						SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.

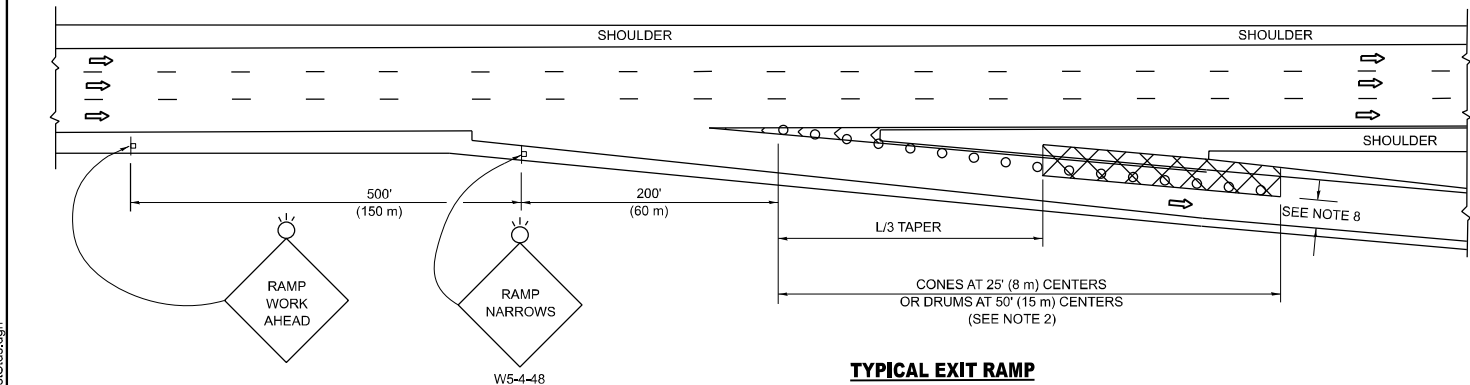
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

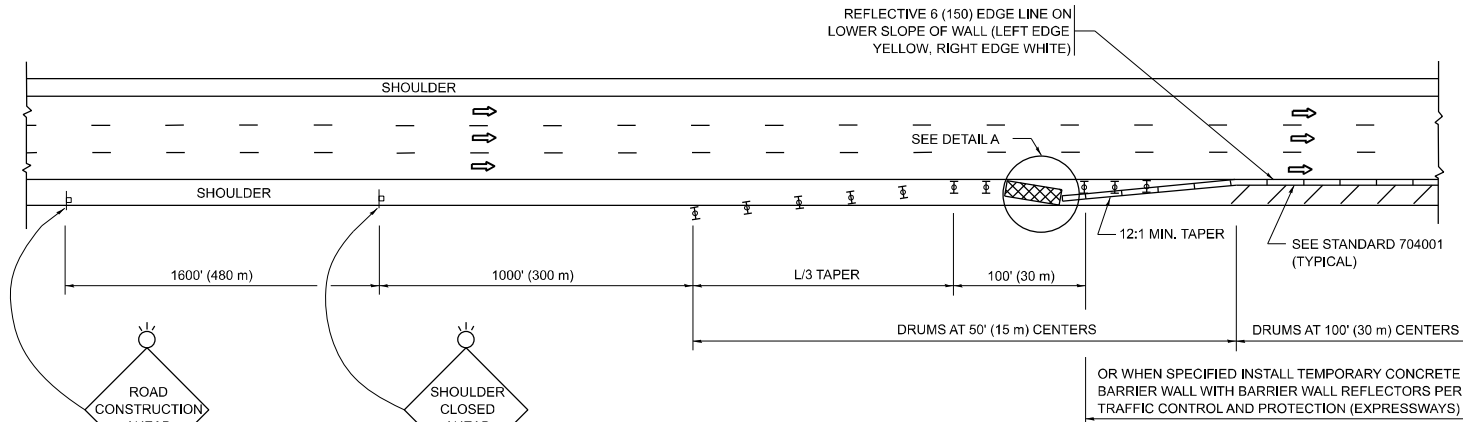
SYMBOLS

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

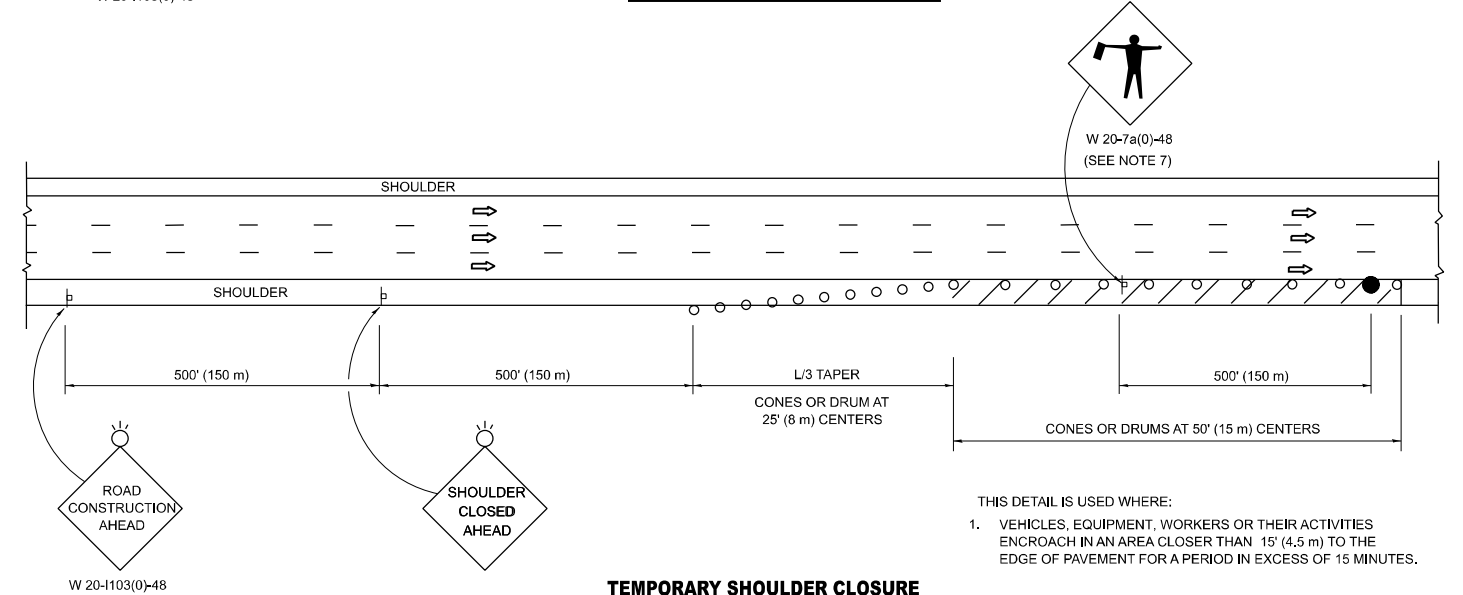
GENERAL NOTES:

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

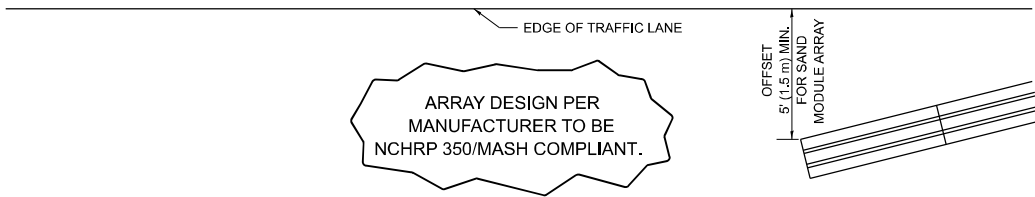
SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE



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

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

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

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

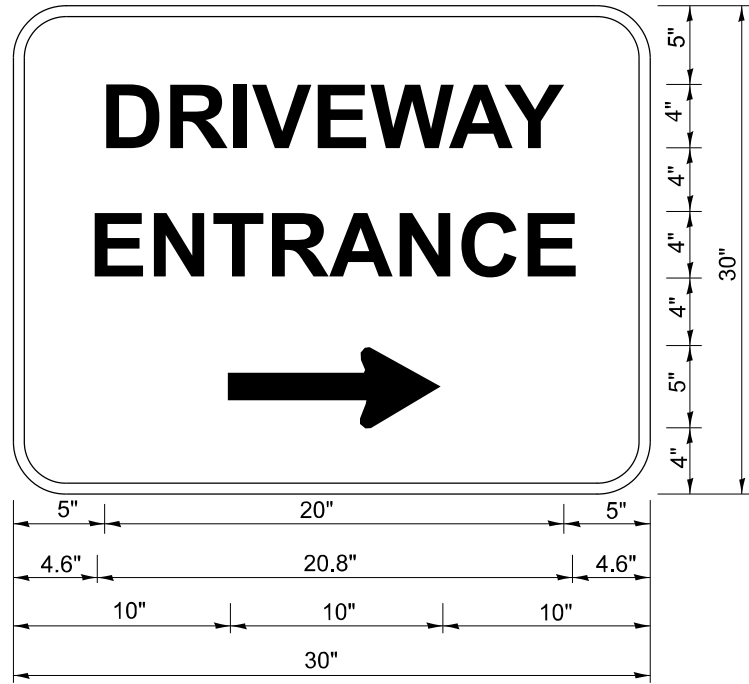
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	61
TC-17		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-17 [Sheet]
FILE NAME: c:\p\work\wv\td\syed.a.rizvi@illinois.gov\1182376\0125420-sh+Dist\Stds.dgn



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

NOTES:

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

MODEL: TC-26 (Sheet)
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	USER NAME = syed.rizvi	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1273	2019-122-RS&SW	COOK	77	63
		CHECKED -	REVISED -		TC-26			CONTRACT NO. 62J64				
	PLOT DATE = 4/15/2026	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

ITEM				EXISTING				PROPOSED			
TRAFFIC SIGNAL CABINET											
UNINTERRUPTABLE POWER SUPPLY											
COMMUNICATION CABINET											
MASTER CONTROLLER											
MASTER MASTER CONTROLLER											
SERVICE INSTALLATION -(P) POLE MOUNTED											
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED											
CELLULAR MODEM											
TELEPHONE CONNECTION											
STEEL MAST ARM ASSEMBLY AND POLE											
ALUMINUM MAST ARM ASSEMBLY AND POLE											
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE											
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY											
WOOD POLE											
GUY WIRE											
SIGNAL HEAD											
SIGNAL HEAD WITH BACKPLATE											
SIGNAL HEAD - PROGRAMMABLE											
FLASHER INSTALLATION -(FS) SOLAR POWERED											
PEDESTRIAN SIGNAL HEAD											
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON											
RADAR DETECTION SENSOR											
VIDEO DETECTION CAMERA											
RADAR/VIDEO DETECTION ZONE											
PAN, TILT, ZOOM (PTZ) CAMERA											
EMERGENCY VEHICLE LIGHT DETECTOR											
CONFIRMATION BEACON											
WIRELESS INTERCONNECT											
WIRELESS INTERCONNECT RADIO REPEATER											
WIRELESS ACCESS POINT											

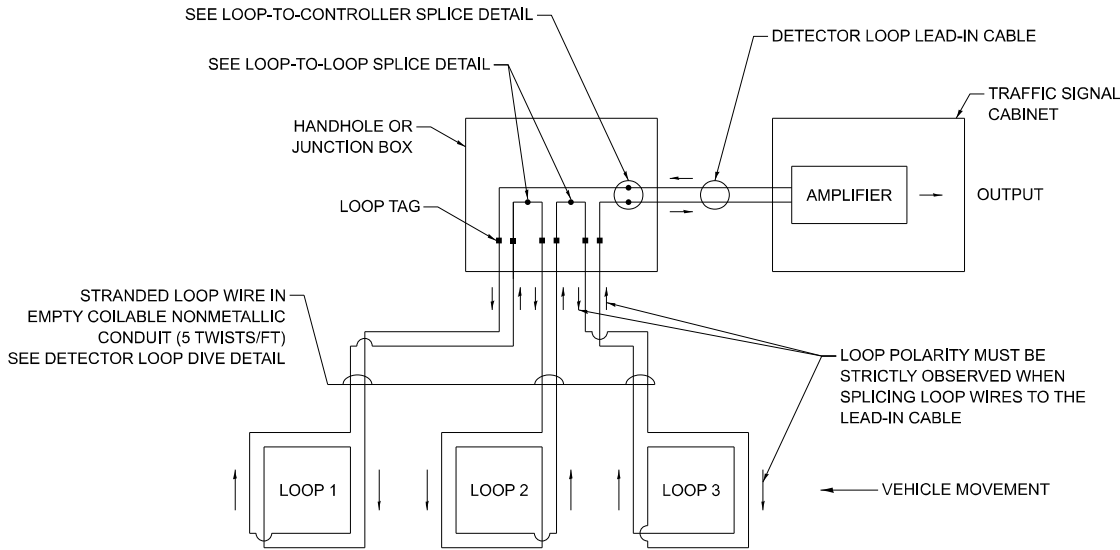
ITEM				EXISTING				PROPOSED			
HANDHOLE -SQUARE -ROUND											
DOUBLE HANDHOLE											
HEAVY DUTY HANDHOLE -SQUARE -ROUND											
JUNCTION BOX											
RAILROAD CANTILEVER MAST ARM											
RAILROAD FLASHING SIGNAL											
RAILROAD CROSSING GATE											
RAILROAD CROSSBUCK											
RAILROAD CONTROLLER BUNGALOW											
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL											
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE											
SYSTEM ITEM				S				SP			
INTERSECTION ITEM				I				IP			
REMOVAL ITEM								R			
RELOCATE ITEM								RL			
ABANDON ITEM								A			
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED								RCF			
MAST ARM POLE AND FOUNDATION TO BE REMOVED								RMF			
SIGNAL POST AND FOUNDATION TO BE REMOVED								RPF			
DETECTOR LOOP, TYPE I											
PREFORMED DETECTOR LOOP											
WIRELESS DETECTOR SENSOR											

ITEM				EXISTING				PROPOSED			
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS											
SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS											
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER											
ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"											
ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C											
ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR											
SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6											
GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C											
ELECTRIC CABLE, TRACER, NO. 14, 1/C											
ELECTRIC CABLE, RAILROAD, NO. 14, 3/C											
ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW											
VENDOR CABLE											
EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C											
OUTDOOR RATED NETWORK CABLE											
FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE											
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE											

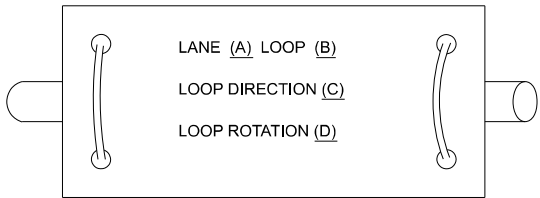
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		CHECKED - NB/KK	REVISED -		TS-01		CONTRACT NO. 62J64						
	PLOT DATE = 4/15/2026	DATE - 10/15/2025	REVISED -				ILLINOIS FED. AID PROJECT						
SCALE: NONE		SHEET 1	OF 7	SHEETS	STA.	TO STA.							

DETECTOR LOOP NOTES:

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

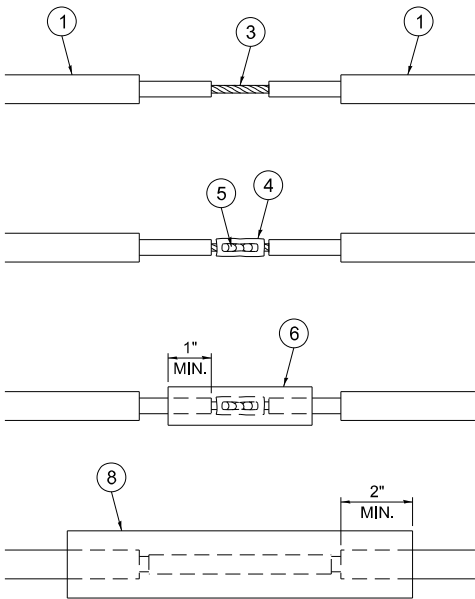


DETECTOR LOOP WIRING SCHEMATIC



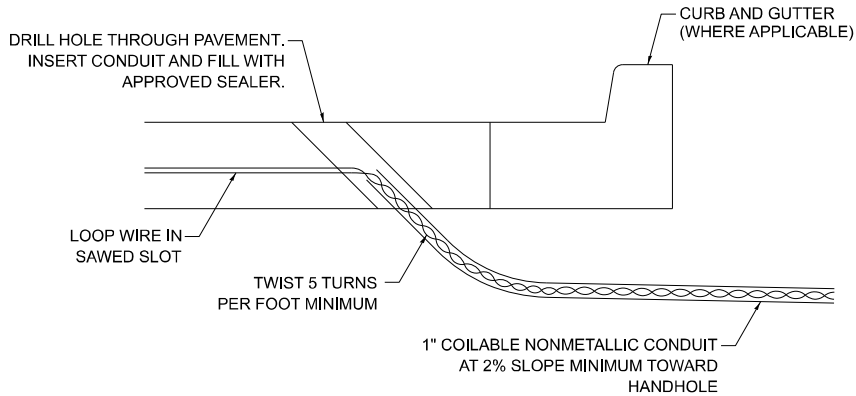
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.
- B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

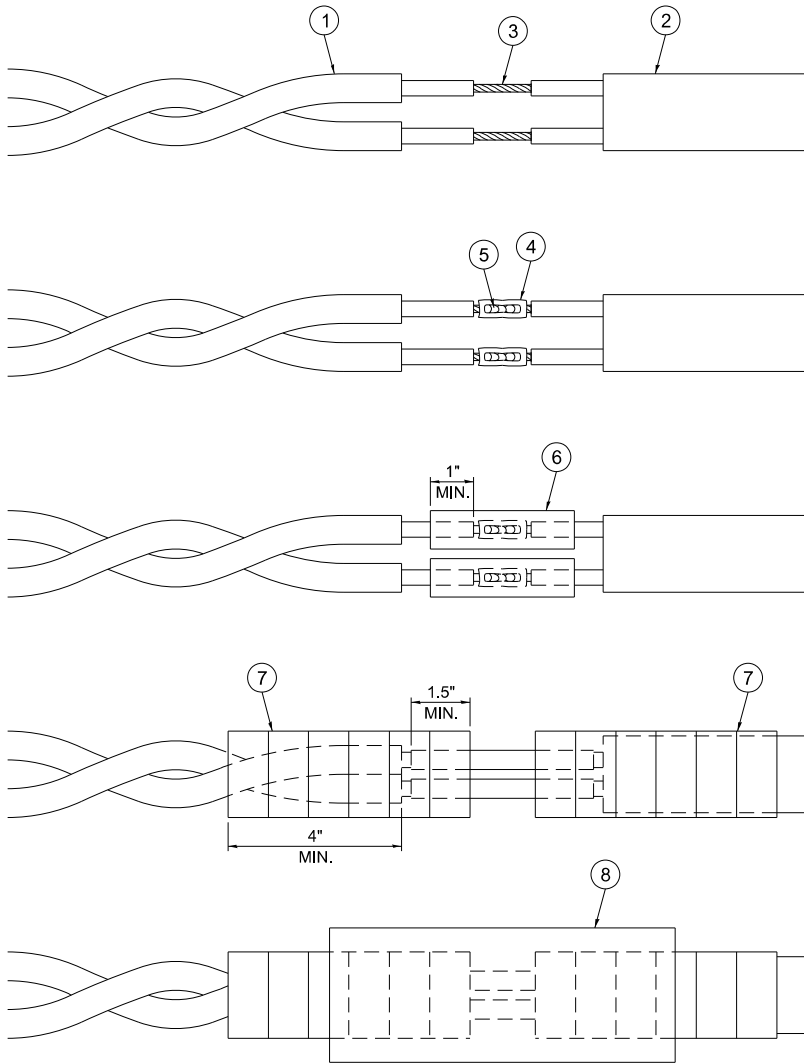


LOOP-TO-LOOP SPLICE DETAIL

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



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL

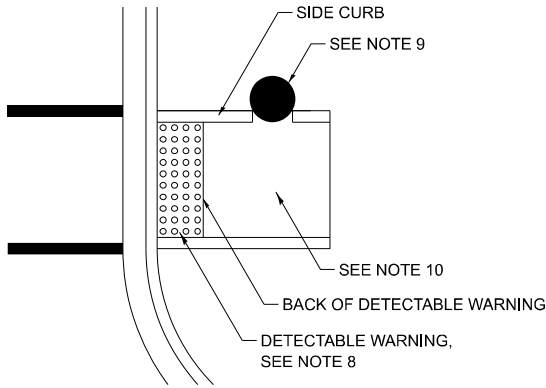
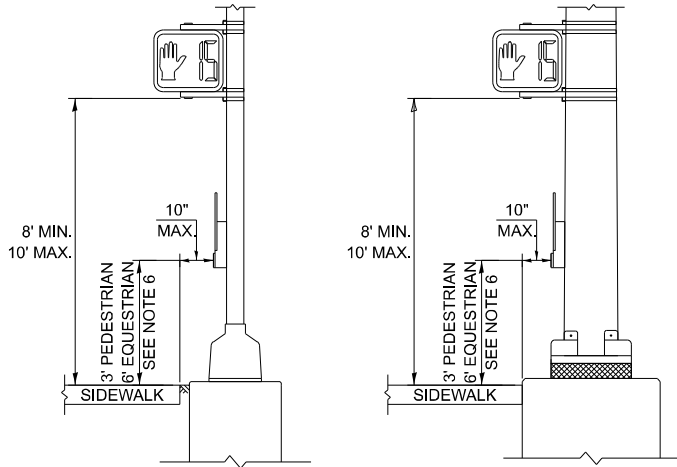
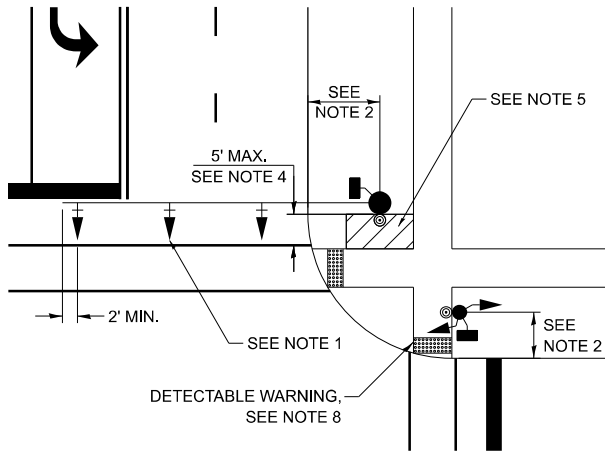
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		CHECKED - NB/KK	REVISED -						TS-01		CONTRACT NO. 62J64		
	PLOT DATE = 4/15/2026	DATE - 10/15/2025	REVISED -		SCALE: NONE		SHEET 2	OF 7	SHEETS	STA.	TO STA.		
							ILLINOIS FED. AID PROJECT						

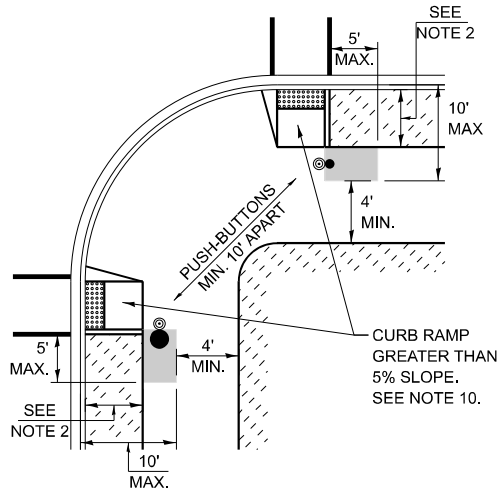
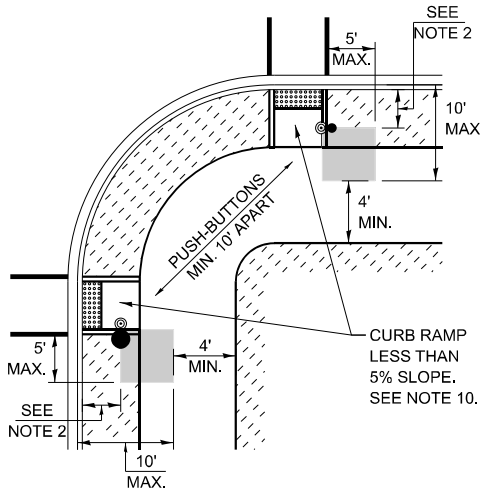
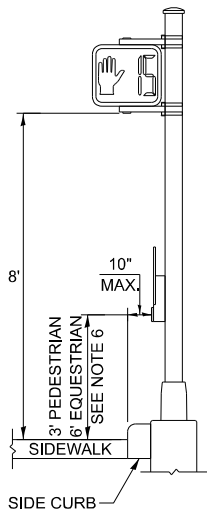
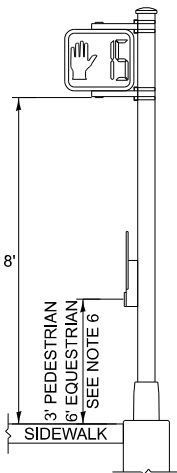
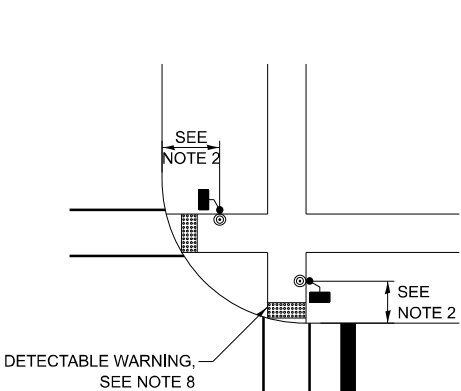
NOTES:

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

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



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

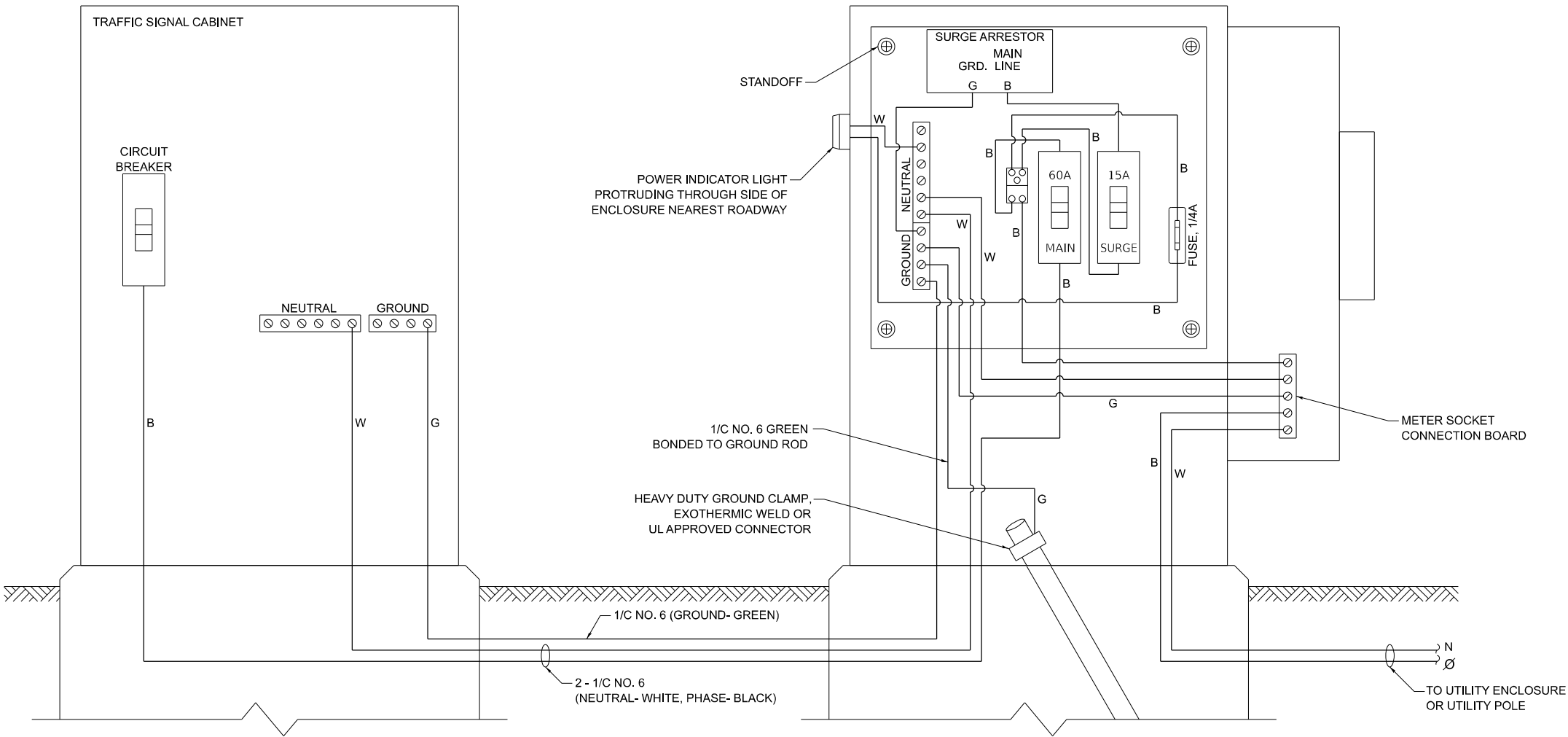
TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

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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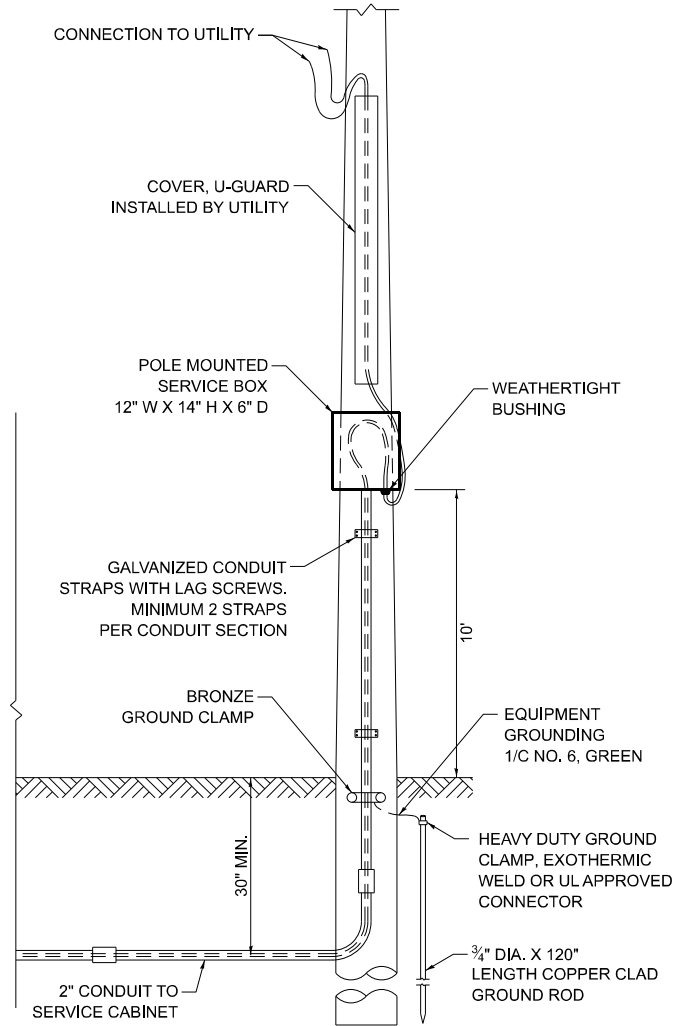
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		DATE - 10/15/2025	REVISED -									ILLINOIS FED. AID PROJECT							



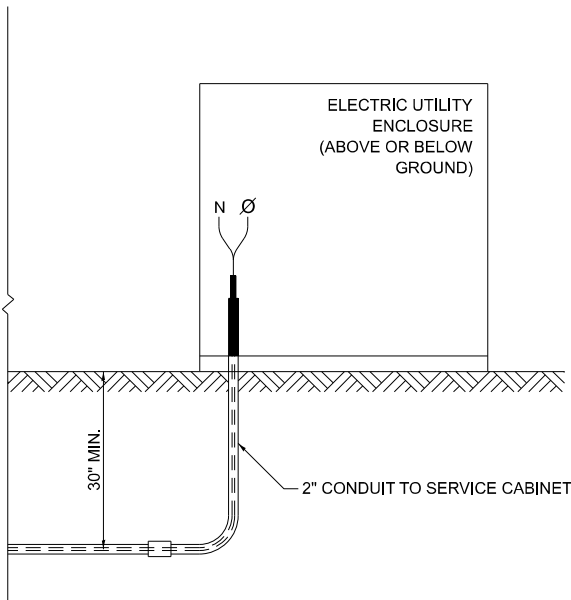
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

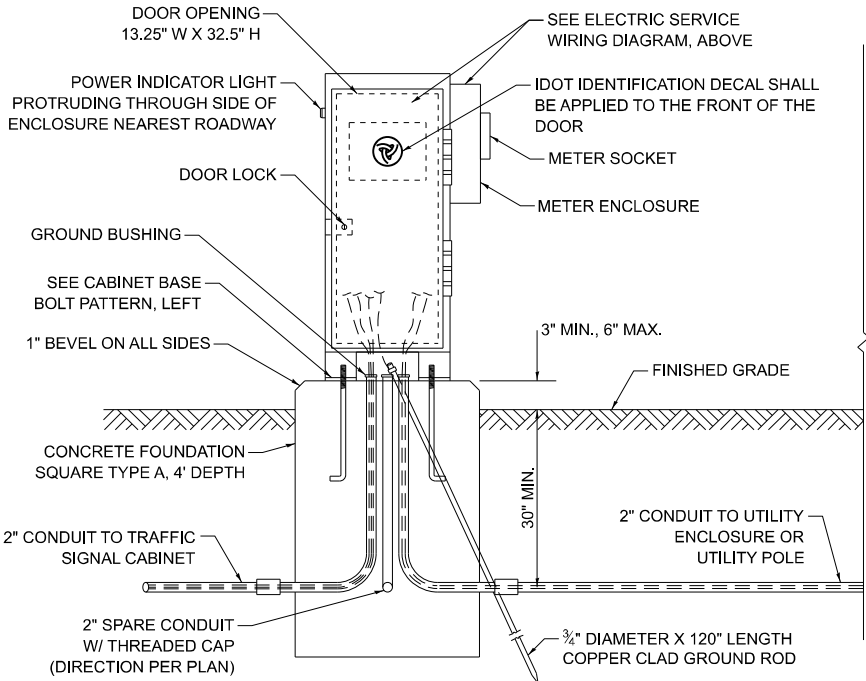
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3.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



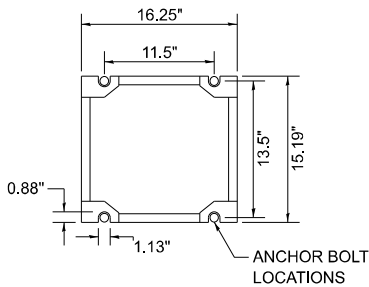
CONNECTION TO UTILITY POLE



CONNECTION TO UTILITY ENCLOSURE



SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CABINET BASE BOLT PATTERN

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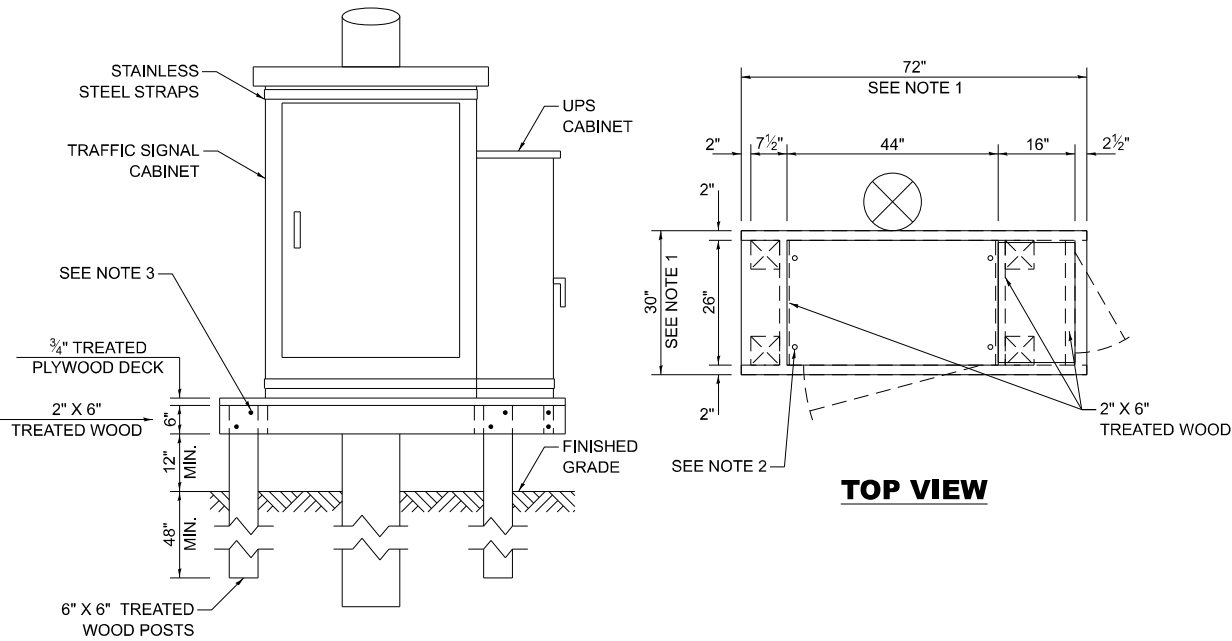
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

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

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FILE NAME: c:\p\work\pwtol\syed.a.rizvi\illinois.gov\1182376\0125420-sh+DistSigs.dgn



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.

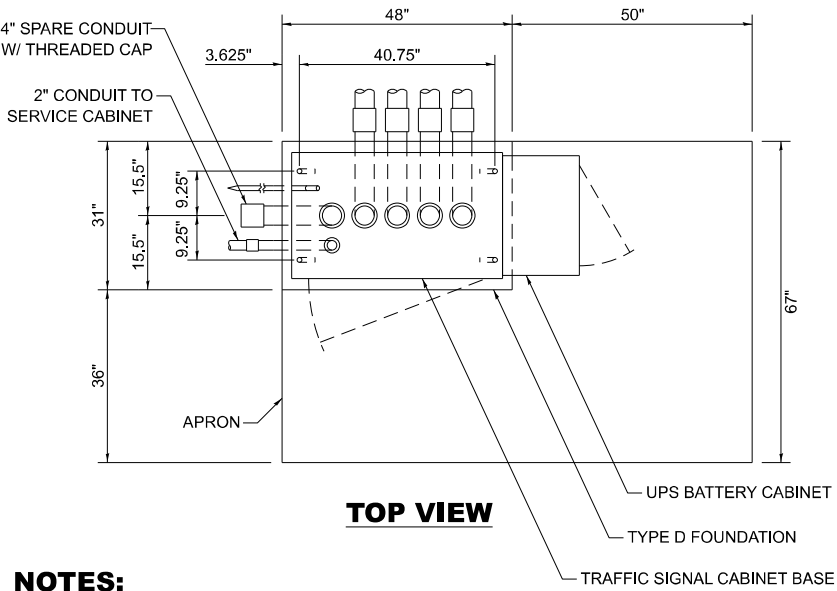
**TEMPORARY TRAFFIC SIGNAL
CABINET WOOD SUPPORT PLATFORM**

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

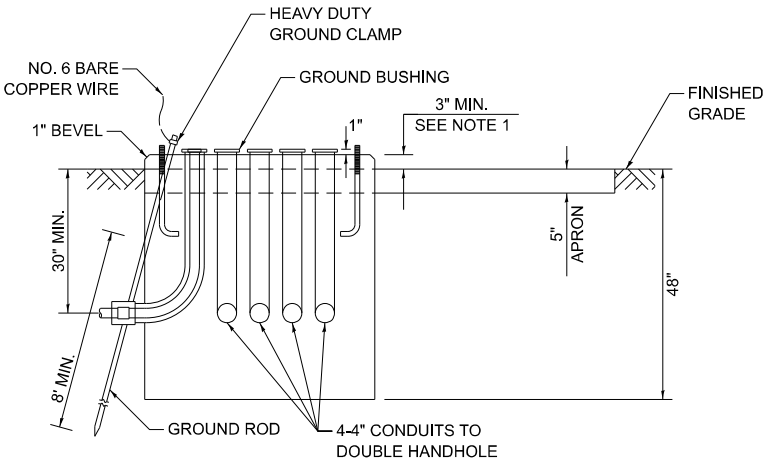
TYPE E FOUNDATION NOTES:

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.

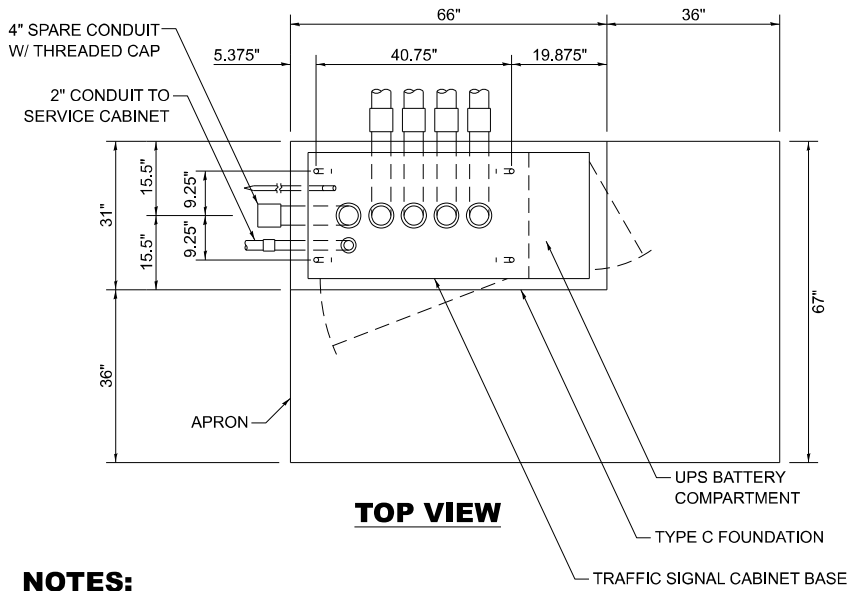


NOTES:

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

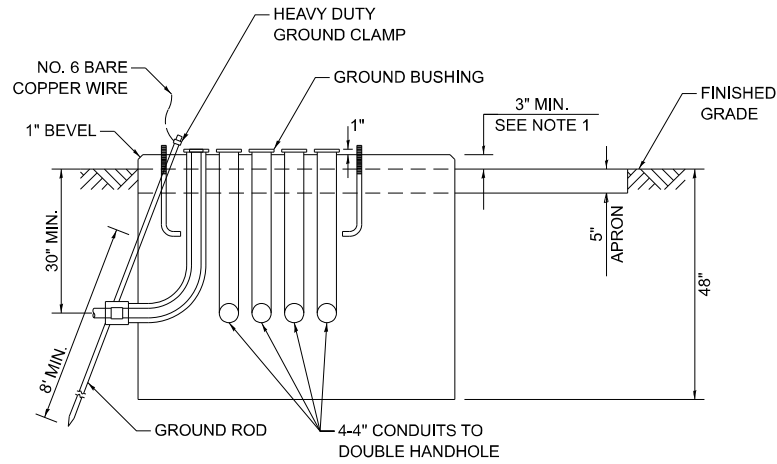


**TYPE D FOUNDATION
TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET
AND UPS BATTERY CABINET**



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'

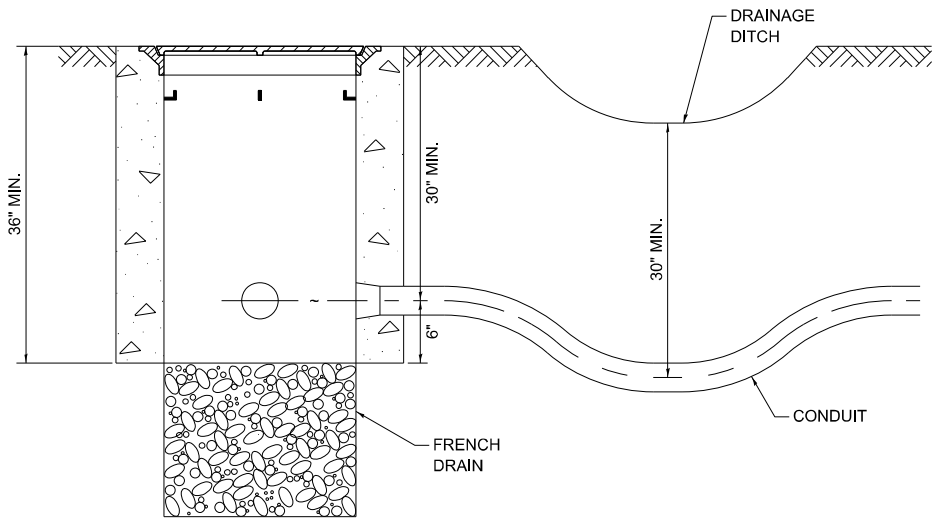
CABLE SLACK LENGTH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

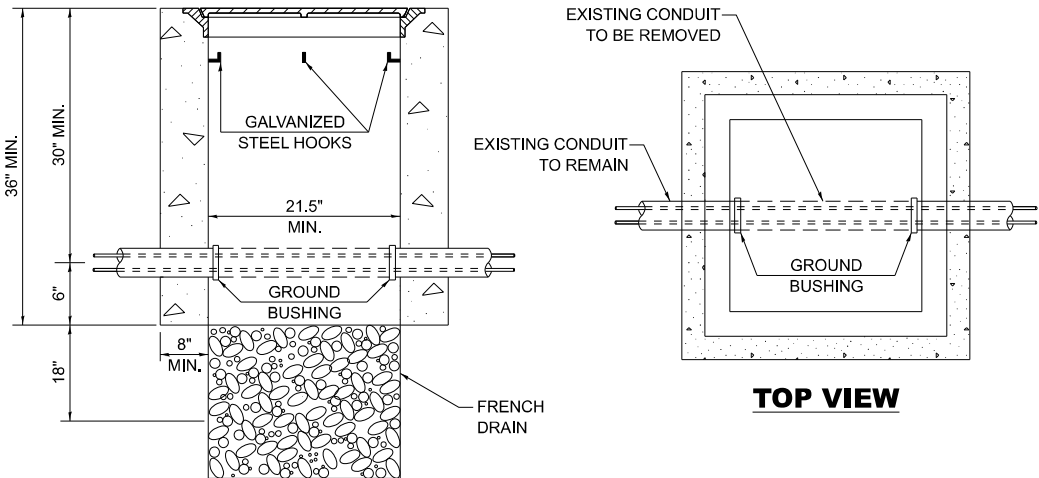
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	68
TS-01		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		



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.

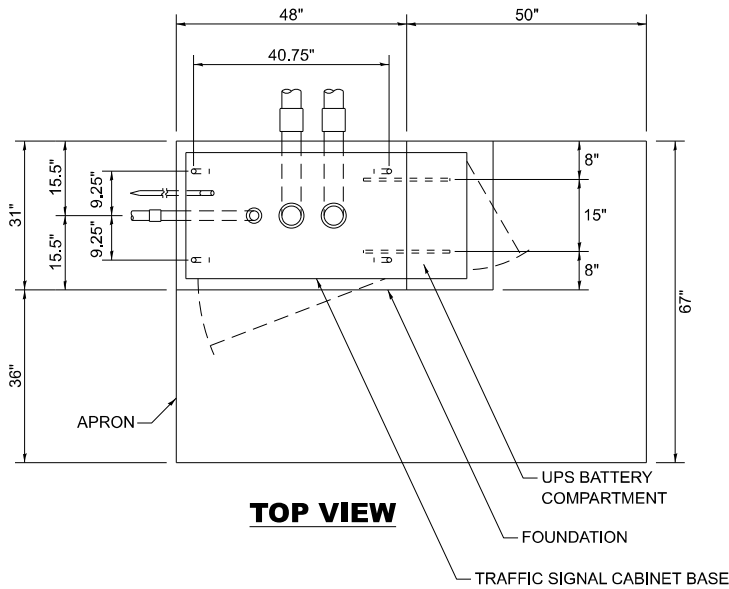
HANDHOLE WITH MINIMUM CONDUIT DEPTH



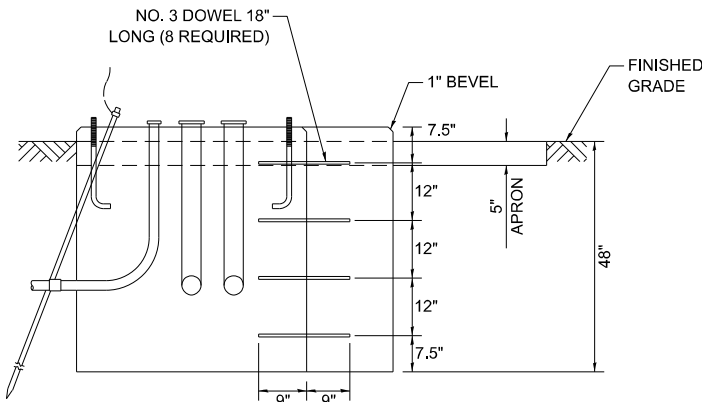
NOTES:

- 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.

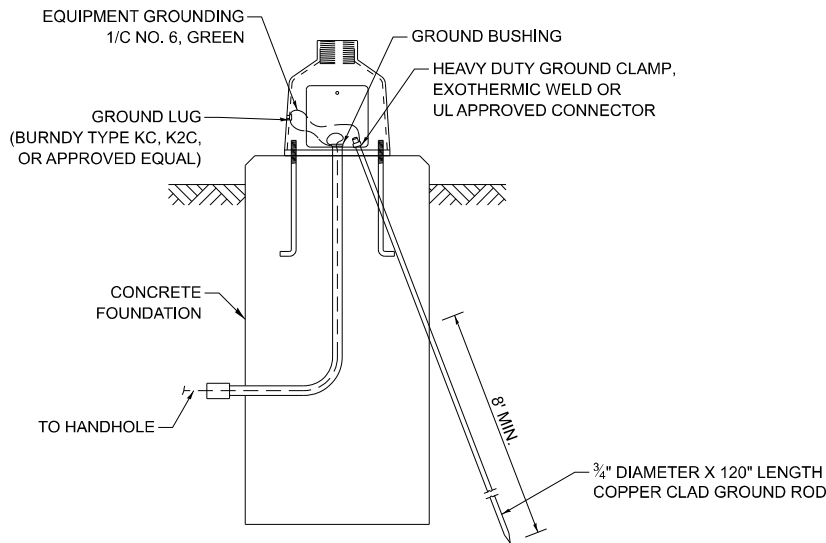
HANDHOLE TO INTERCEPT EXISTING CONDUIT



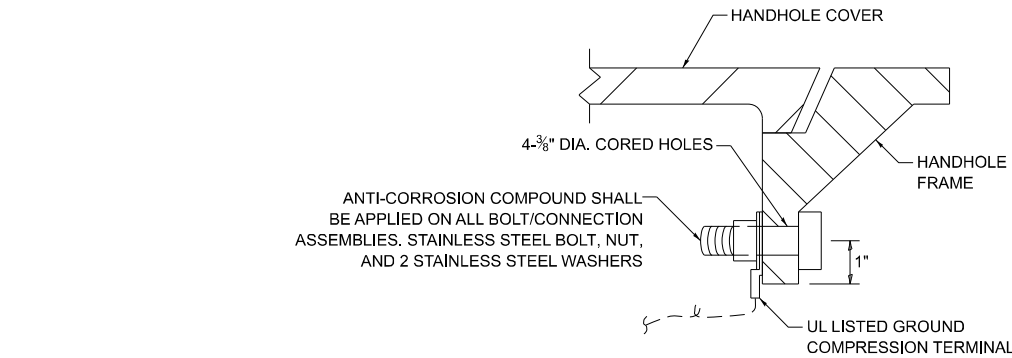
TOP VIEW



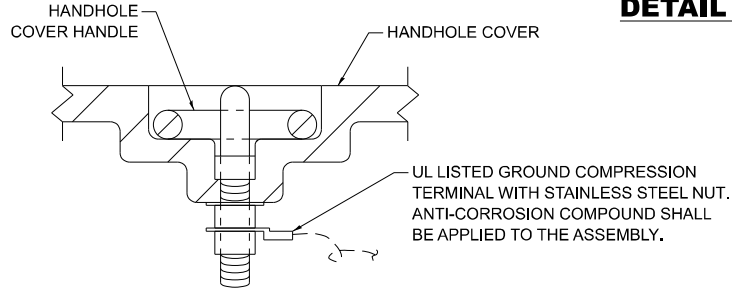
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



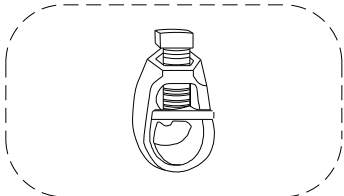
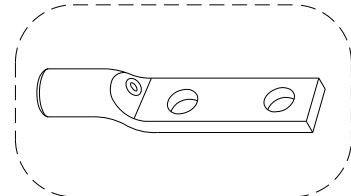
MAST ARM / POST GROUNDING DETAIL



DETAIL A

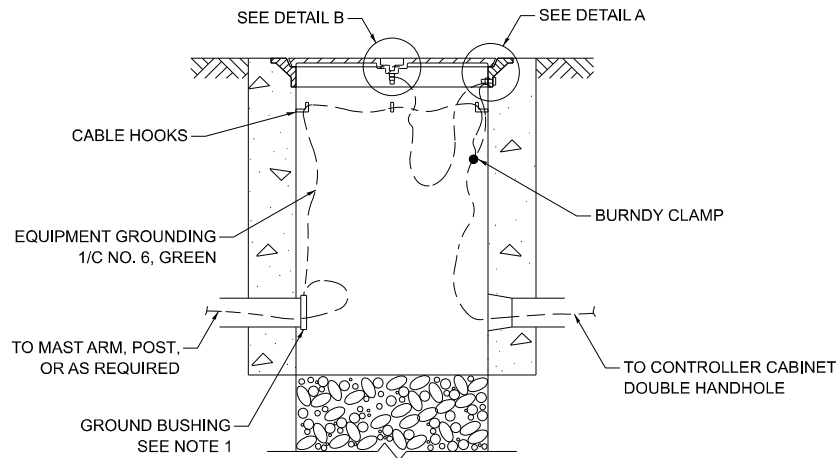


DETAIL B



NOTES:

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



HANDHOLE GROUNDING DETAIL

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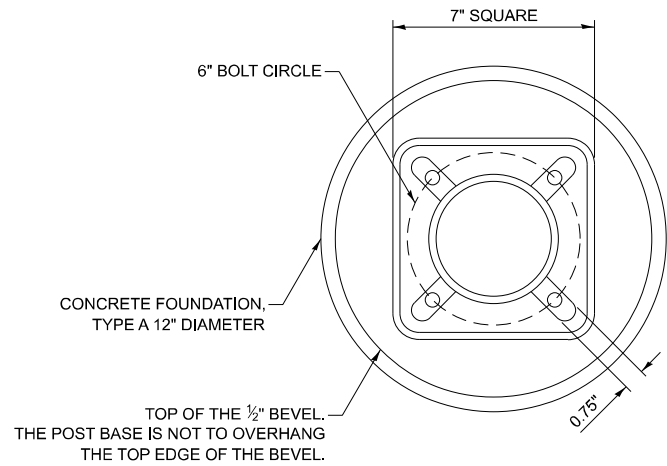
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DRAWN - IP	REVISED -	
CHECKED - NB/KK	REVISED -	
PLOT DATE = 4/15/2026	DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

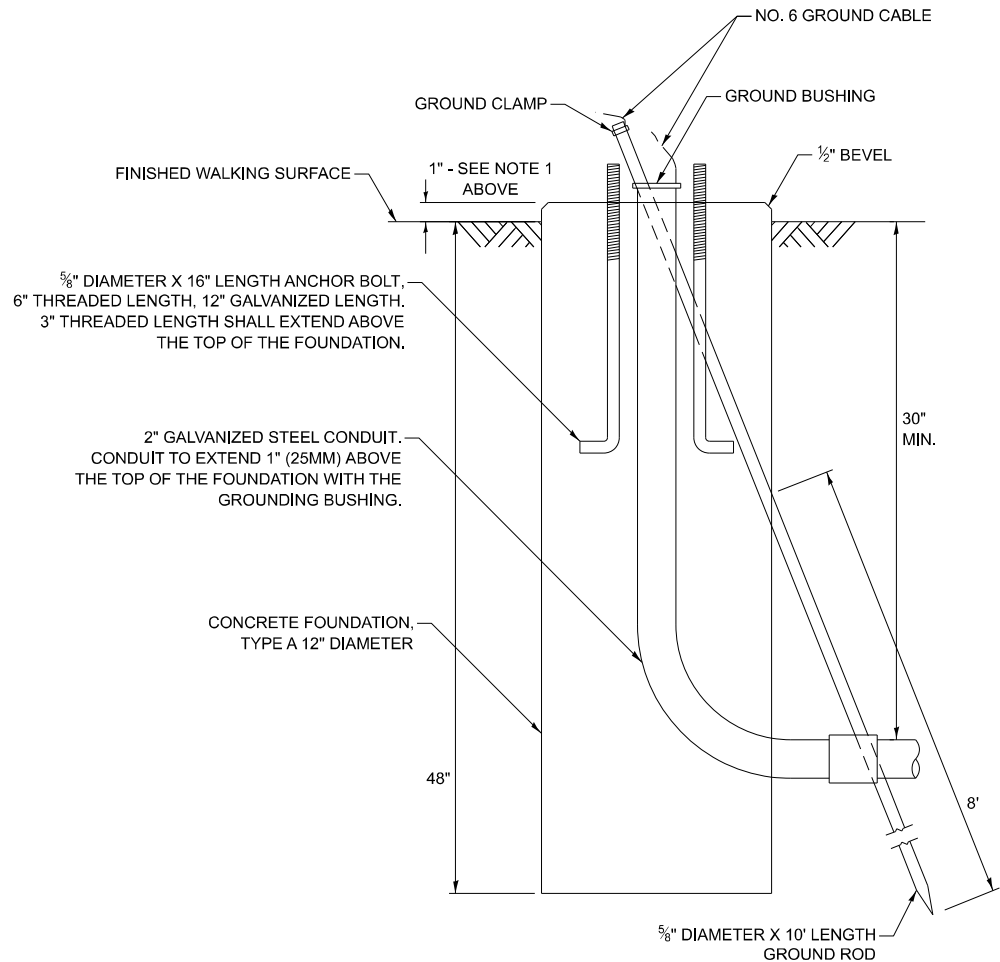
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	69
TS-01		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		



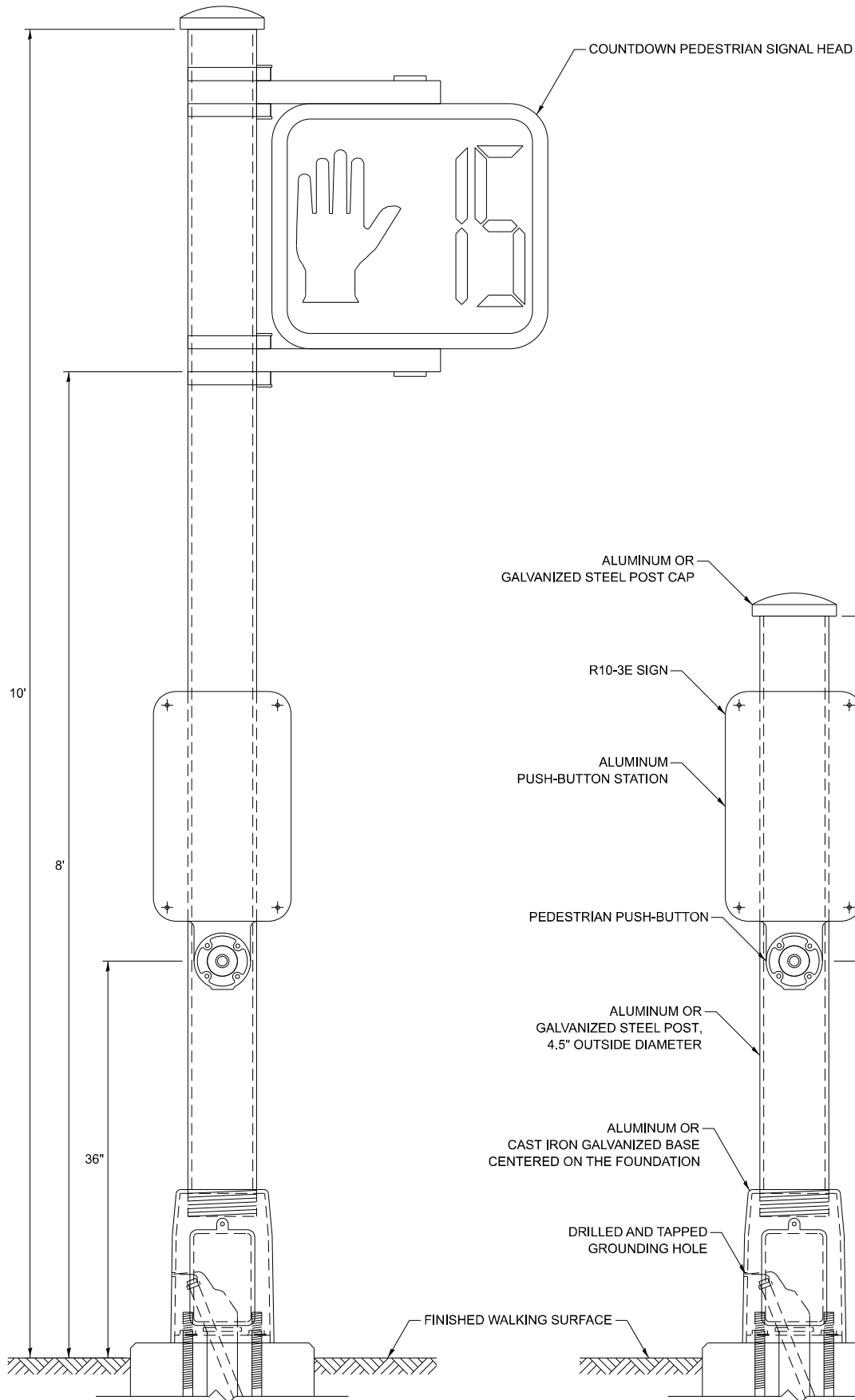
BOLT PATTERN

NOTES:

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

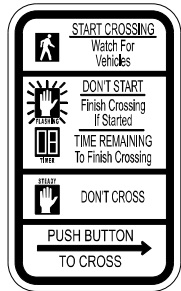


**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**

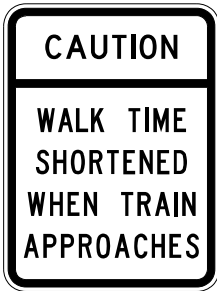


PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3E
9" X 15"



W10-1101
18" X 24"

SIGN NOTES:

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

MODEL: TS-01G (Sheet)
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PLOT DATE	= 4/15/2026
DATE	- 10/15/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

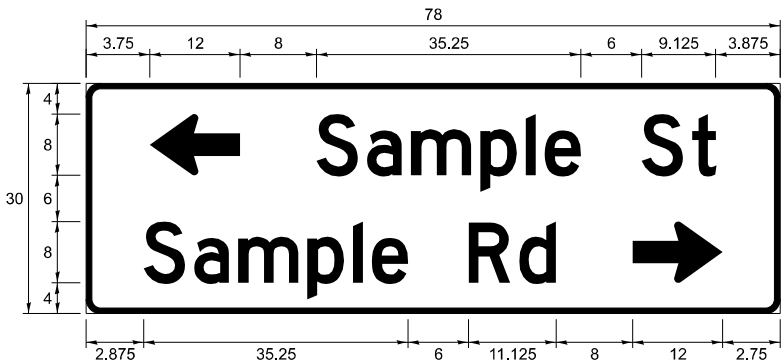
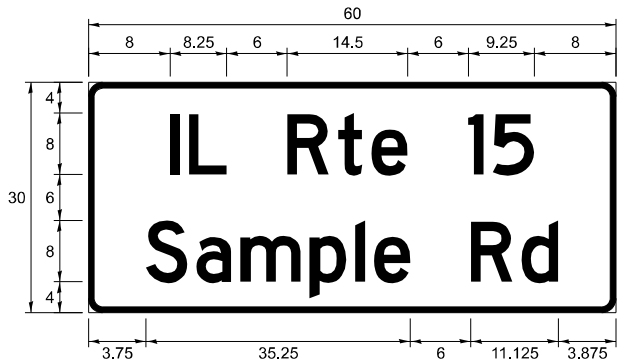
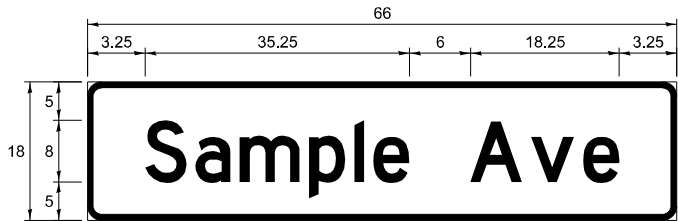
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.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 ONSTANDARDS 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 SYMBOLOGY 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

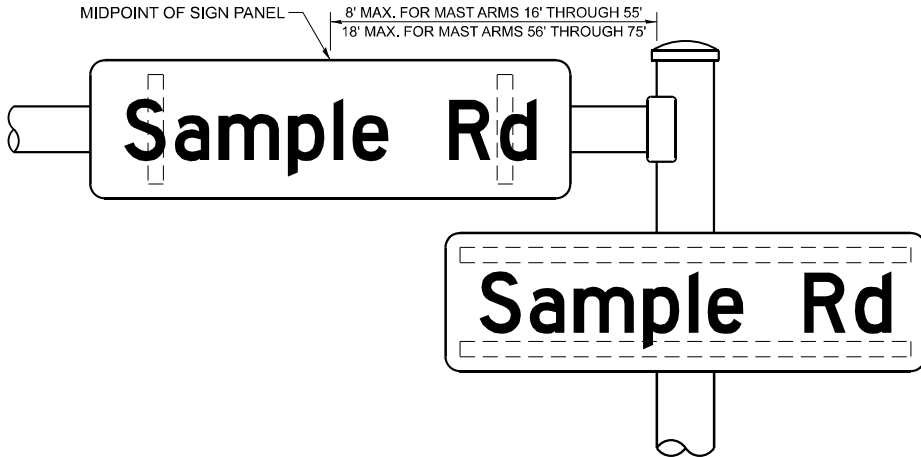
PARTS LISTING:

-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

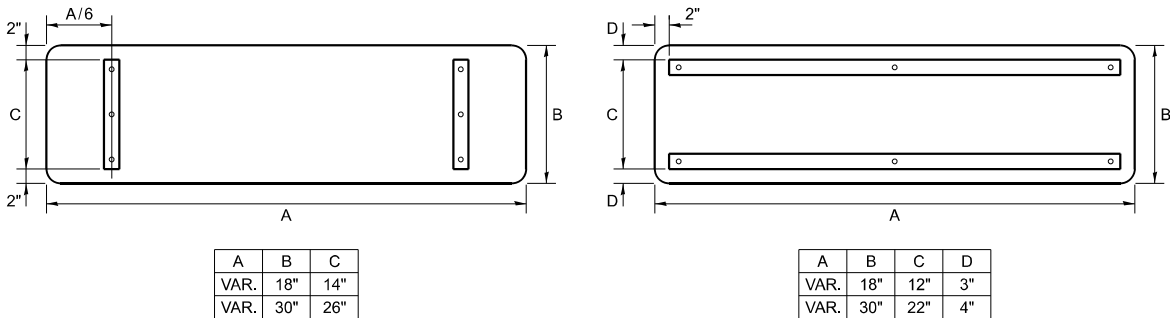
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

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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		DRAWN - IP	REVISED -
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		DATE - 10/15/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

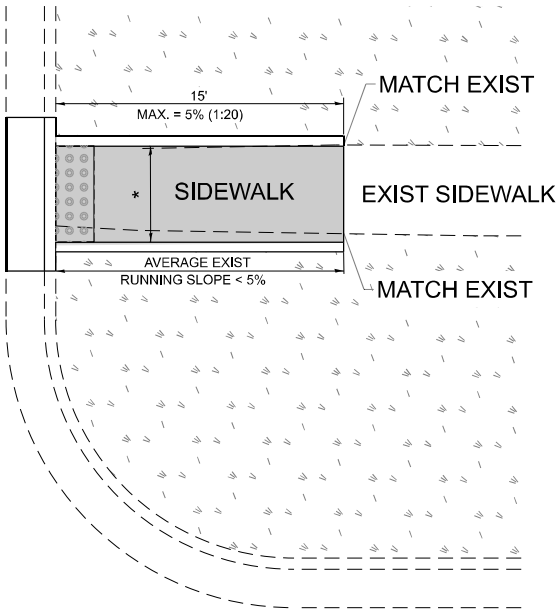
DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

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

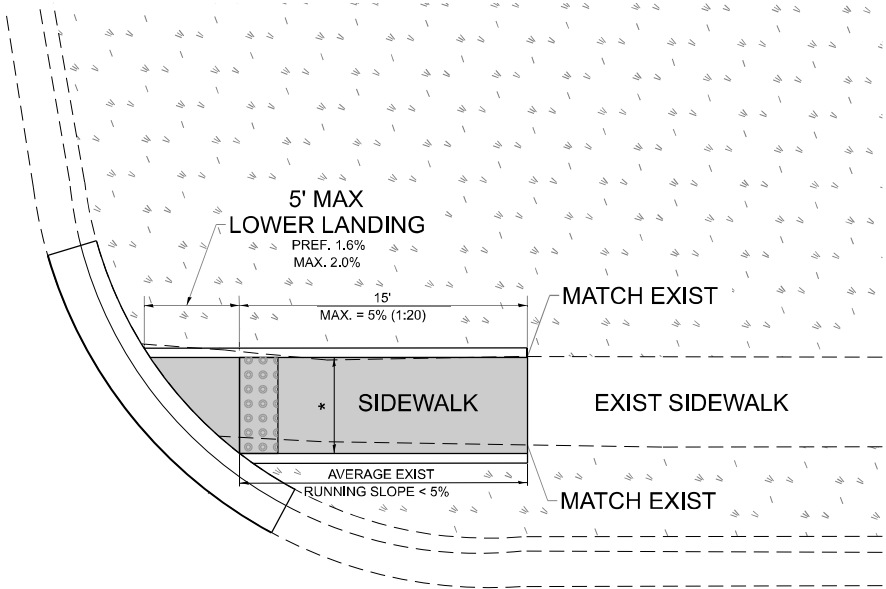
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1273	2019-122-RS&SW	COOK	77	71
TS-02		CONTRACT NO. 62J64		
		ILLINOIS FED. AID PROJECT		

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

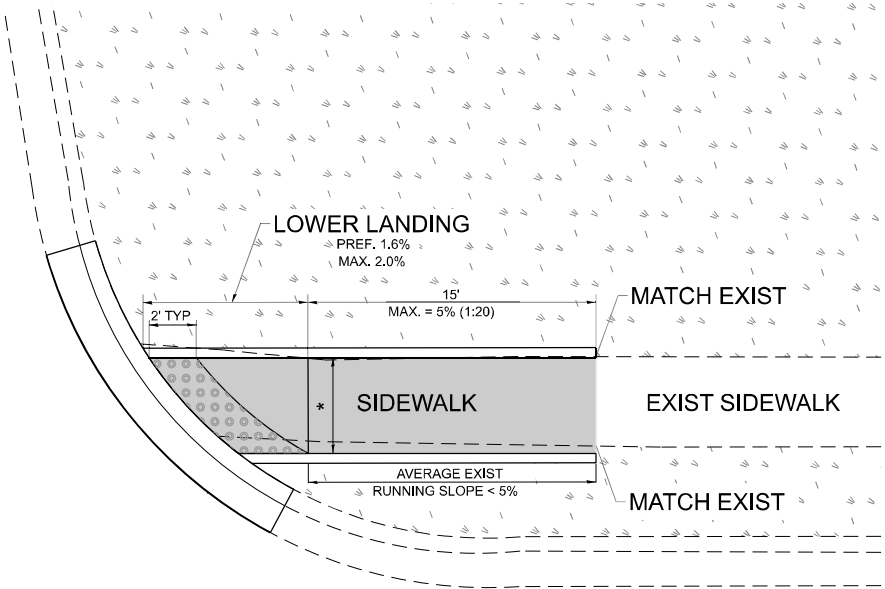
PD-01A



PD-01B



PD-01C



LEGEND

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

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		CHECKED -	REVISED -
	DATE - 10/02/2019		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

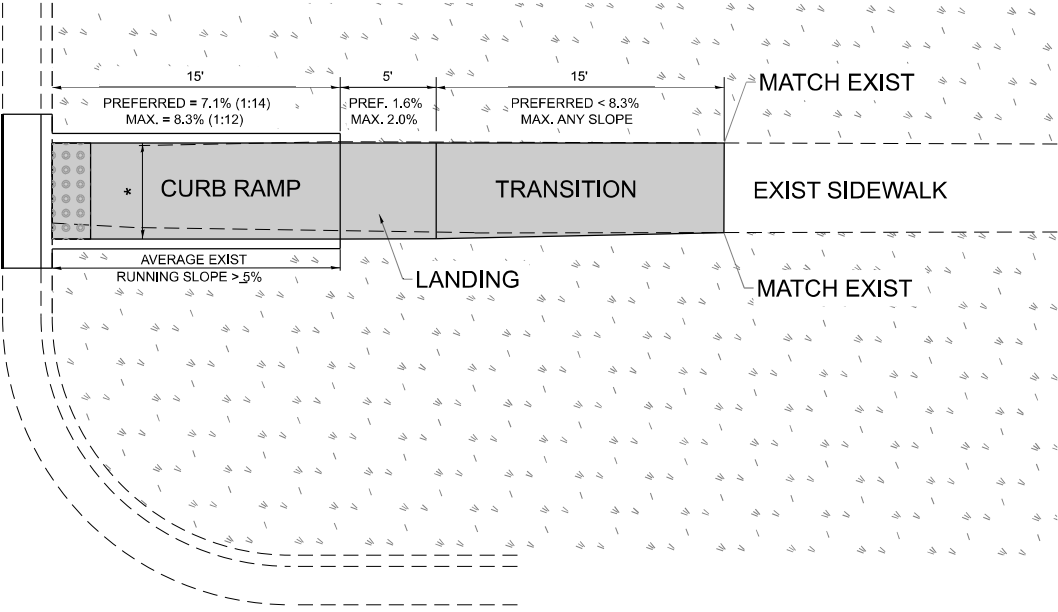
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

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

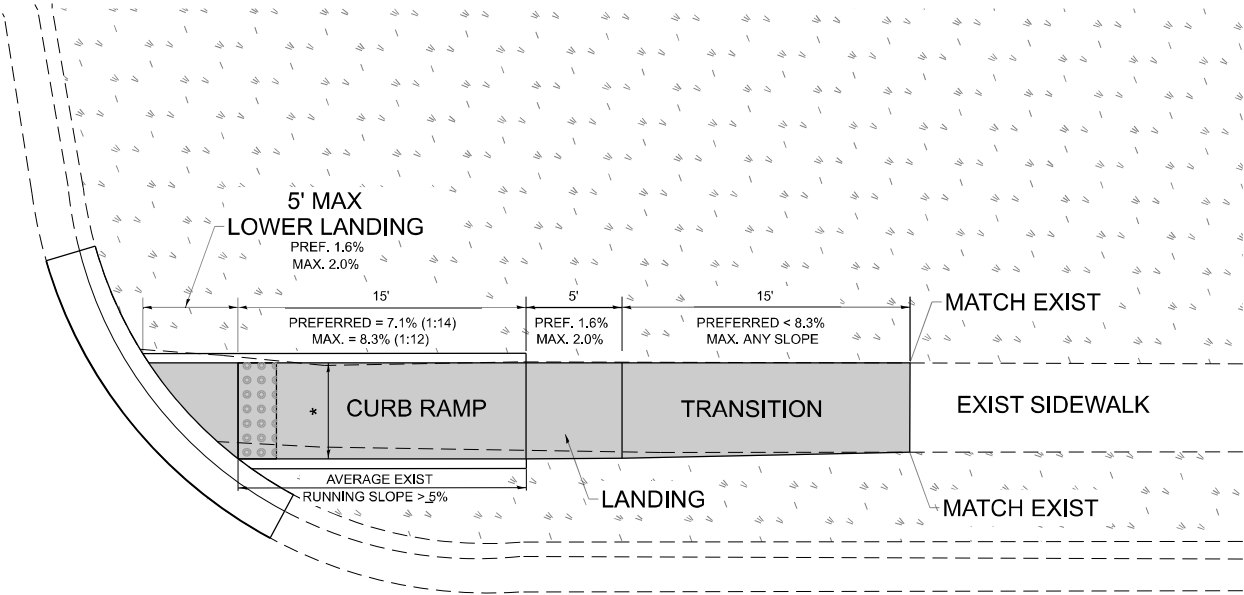
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1273	2019-122-RS&SW	COOK	77	72
PD-01		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		

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

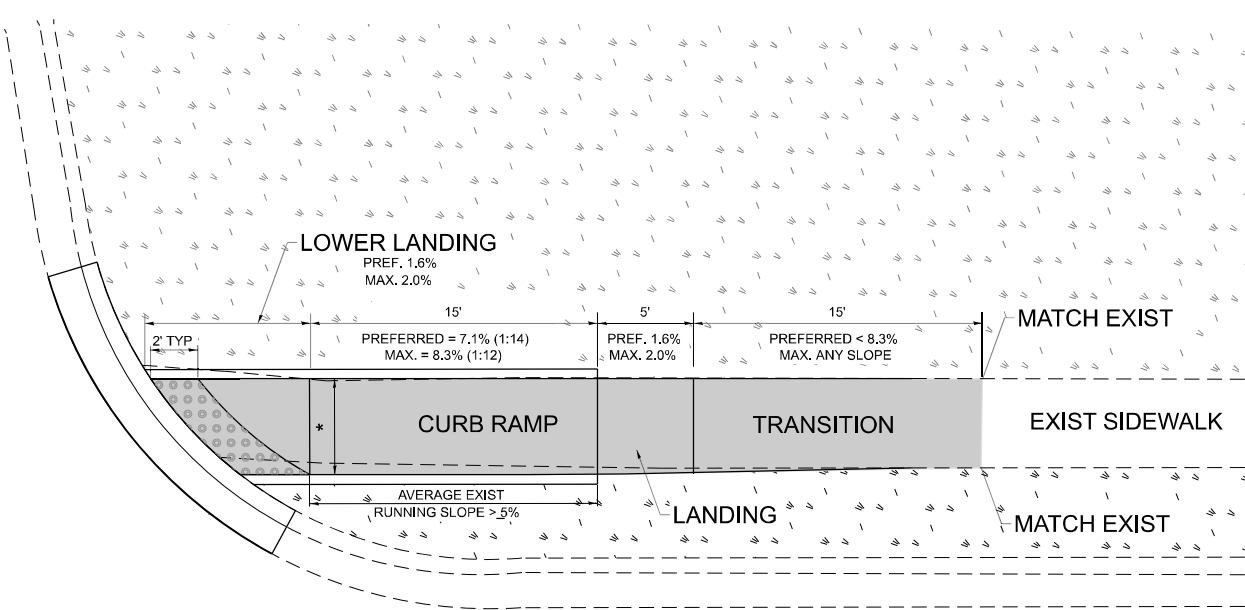
PD-02A



PD-02B



PD-02C



LEGEND

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

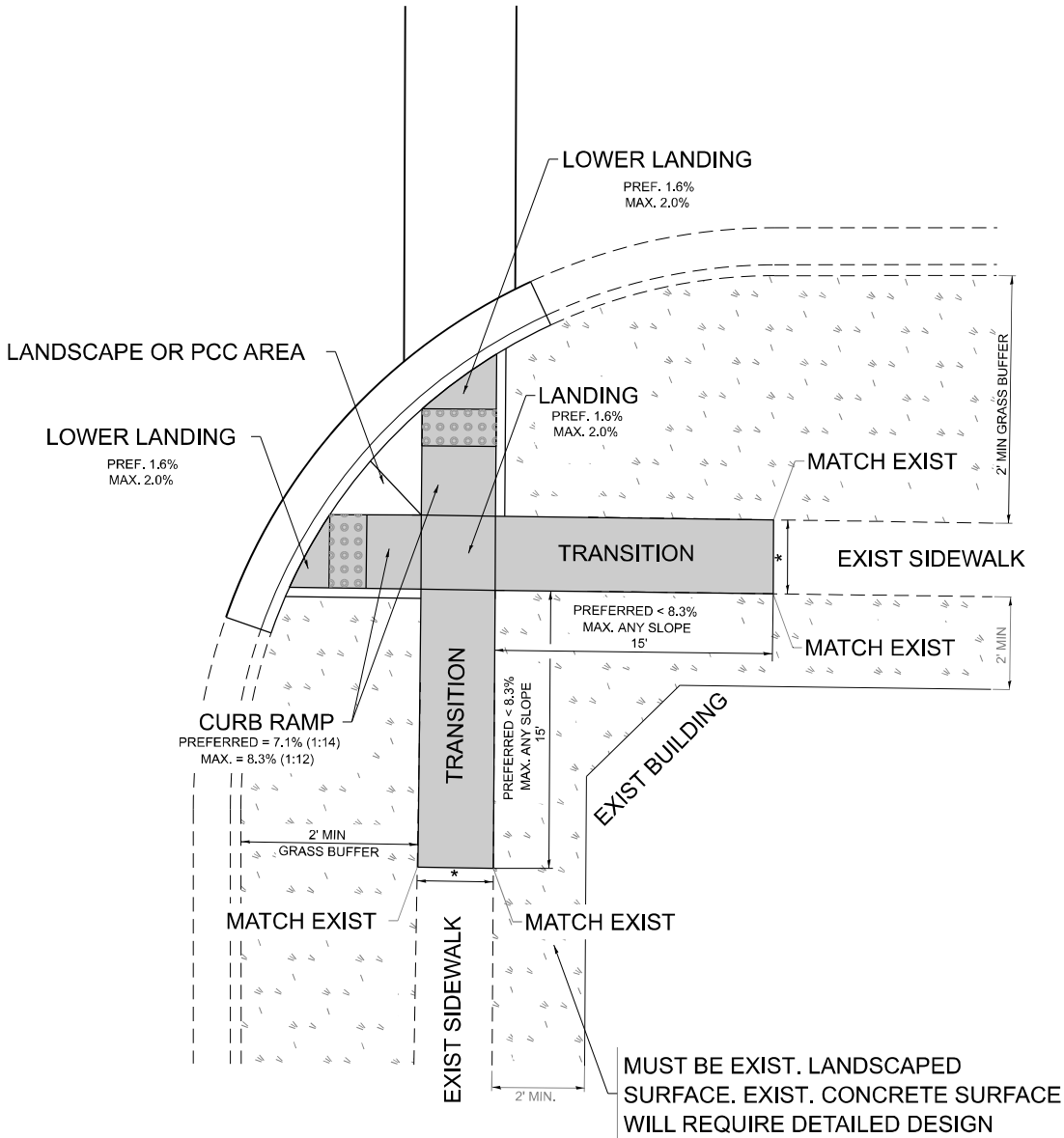
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PD-02		CONTRACT NO. 62J64		
		ILLINOIS	FED. AID PROJECT	

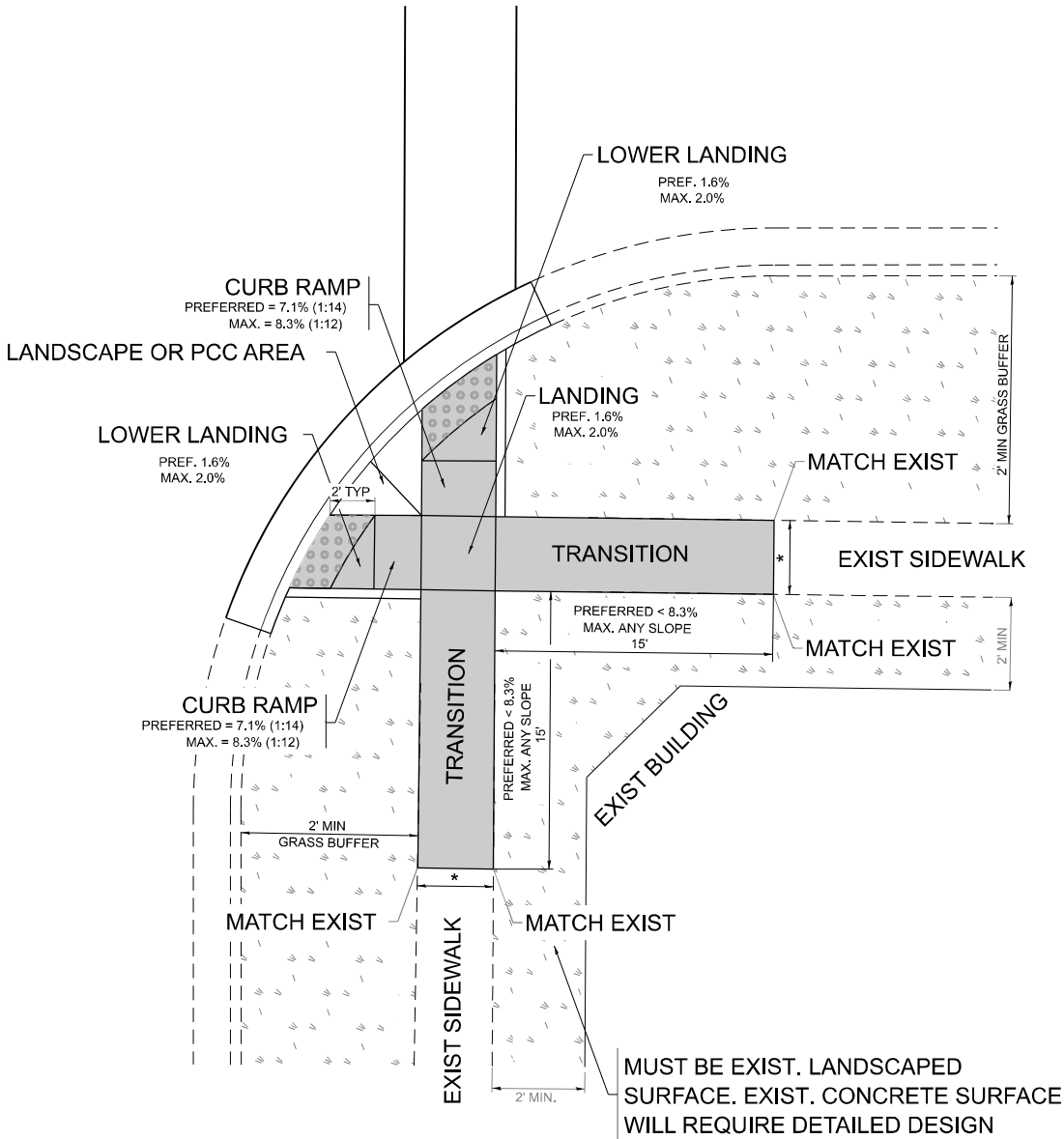
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ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

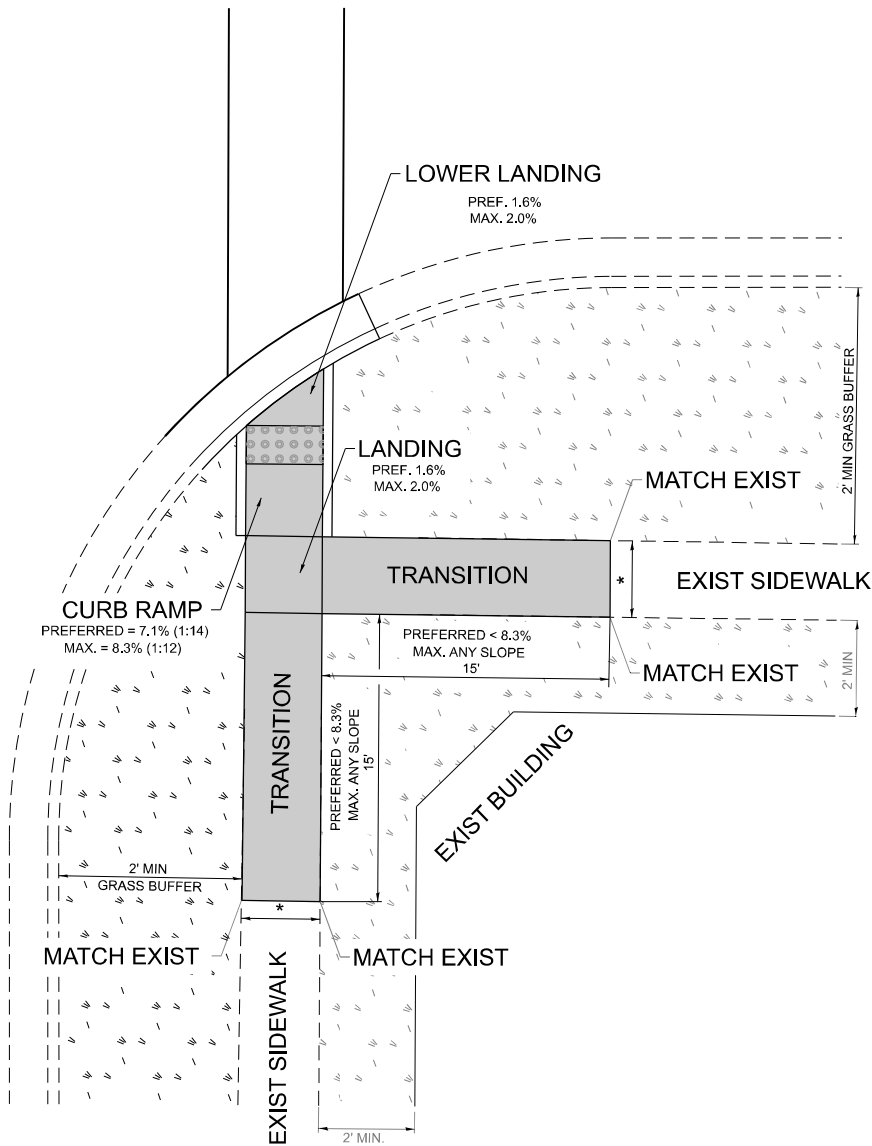
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PD-03		CONTRACT NO. 62J64		
ILLINOIS		FED. AID PROJECT		

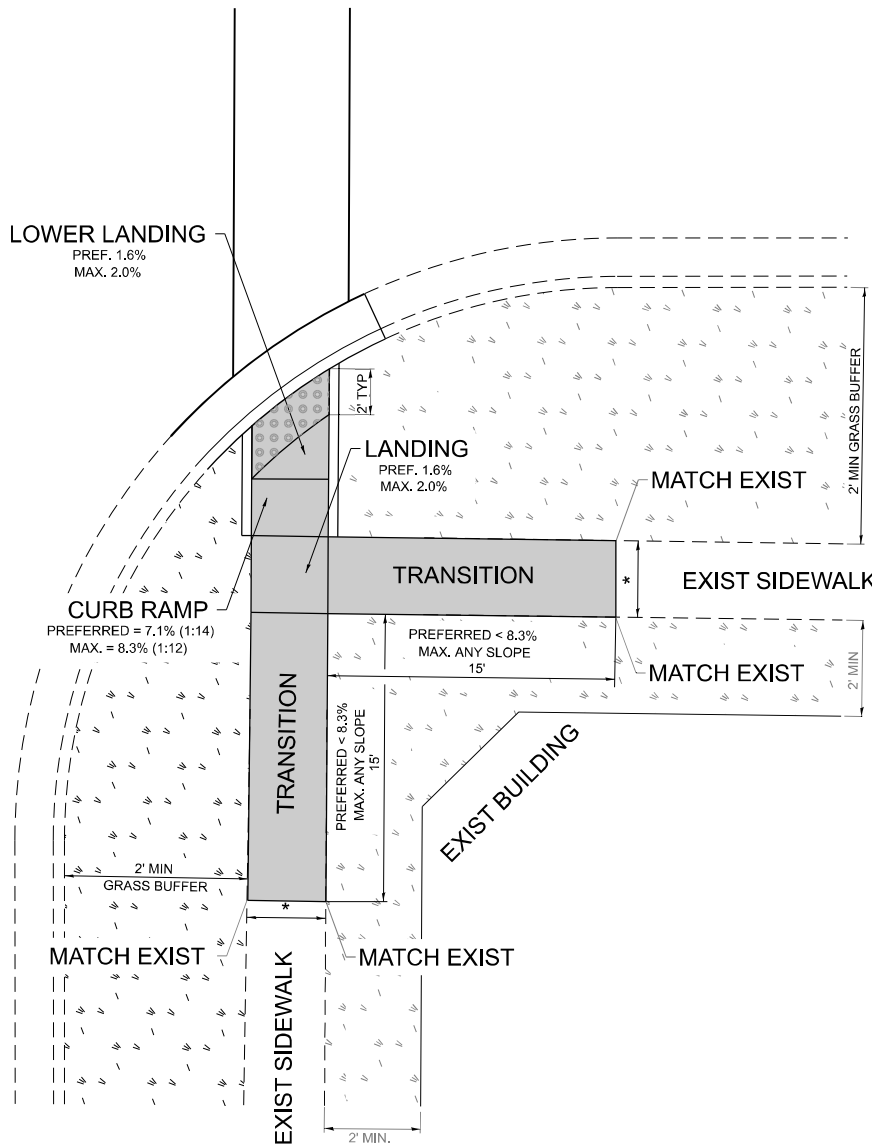
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ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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	75
PD-04		CONTRACT NO. 62J64		
		ILLINOIS	FED. AID PROJECT	

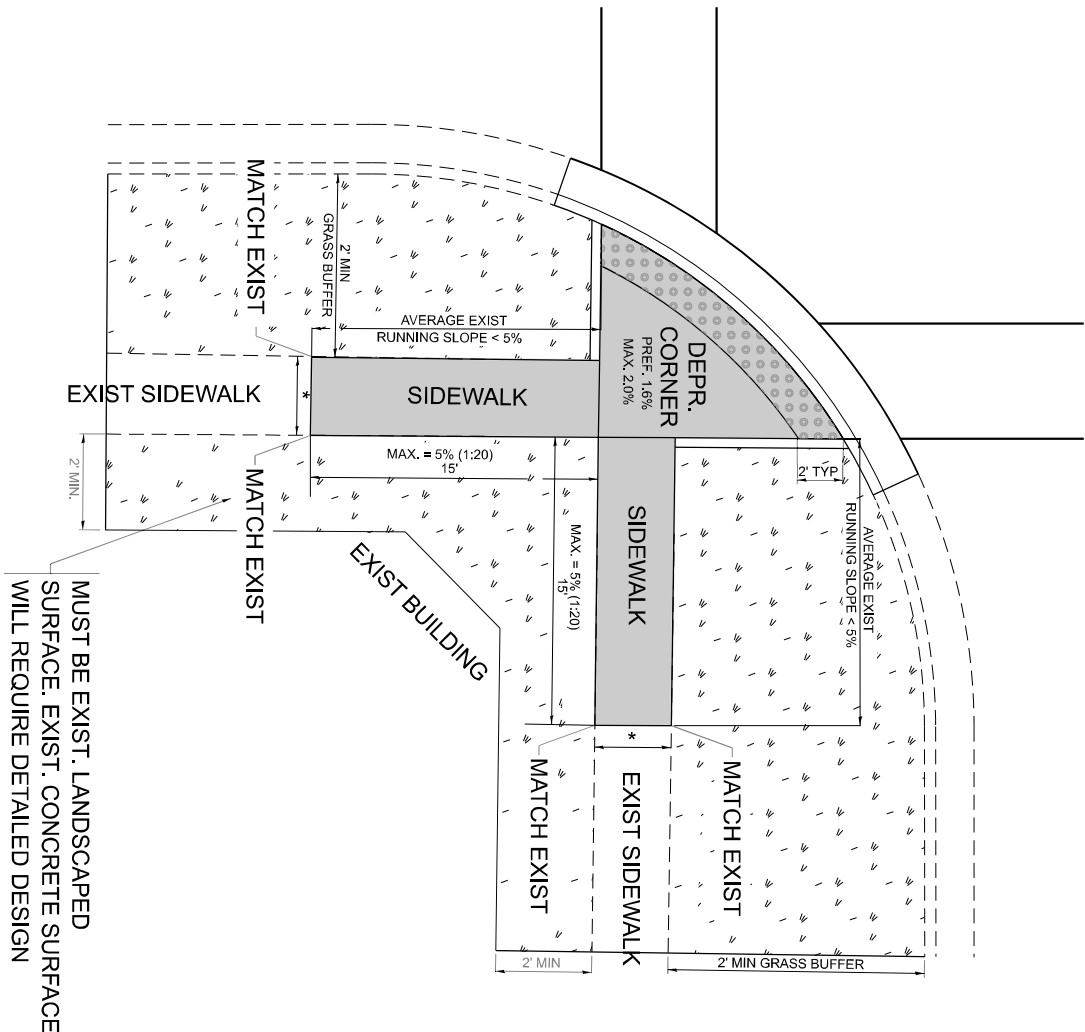
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PLOT DATE	= 4/15/2026	DATE	-	REVISED	-

DESIGNED	-	REVISED	-
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DATE	-	REVISED	-

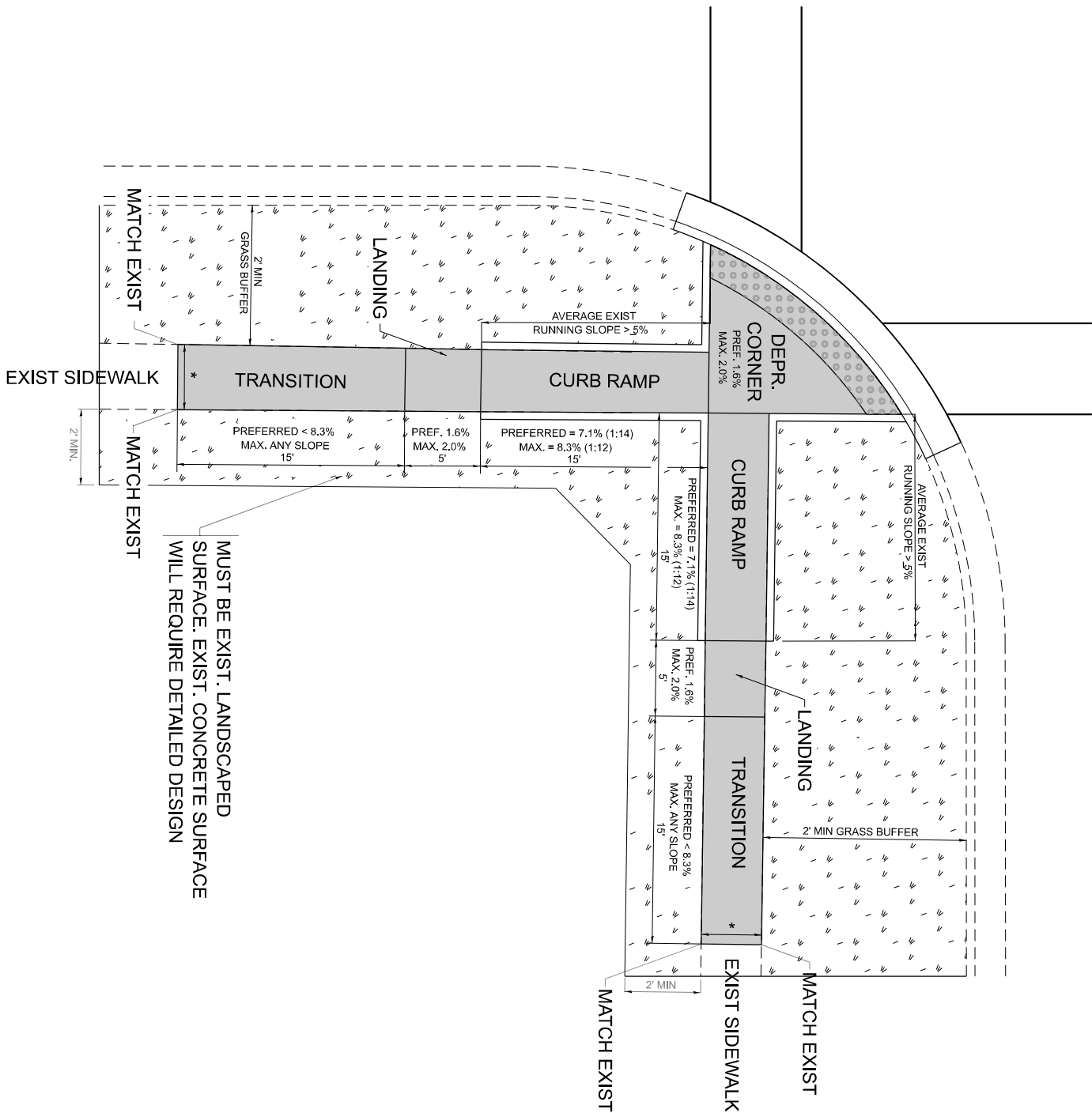
ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



MUST BE EXIST. LANDSCAPED SURFACE. EXST. CONCRETE SURFACE WILL REQUIRE DETAILED DESIGN

PD-05B

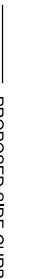


MUST BE EXIST. LANDSCAPED SURFACE. EXIST. CONCRETE SURFACE WILL REQUIRE DETAILED DESIGN

LEGEND



ASS



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

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			R. LEDEZMA	REVISED
		CHECKED	-	REVISED
PLT DATE	= 4/15/2026	DATE	-	REVISED

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REVISED
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DEPRESSED CORNER CURB RAIL
(PD-05)

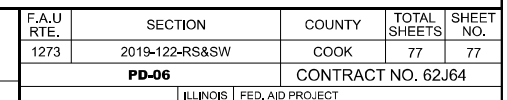
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**PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS
(PD-05)**

FAU RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1273	2019-122-RS&SW	COOK	77 76
PD05		CONTRACT NO. 62J64	
ILLINOIS		FED. AID PROJECT	

FAU RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1273	2019-122-RS&SW	COOK	77 76
PD05		CONTRACT NO. 62J64	
ILLINOIS		FED. AID PROJECT	

PD-06A



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