

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018 070 RS	COOK & KANE	85	1
CONTRACT NO. 62H21				

* 85 + 2 = 87 TOTAL SHEETS

D-91-015-19



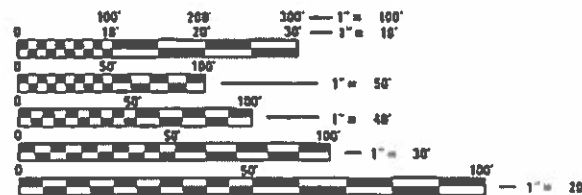
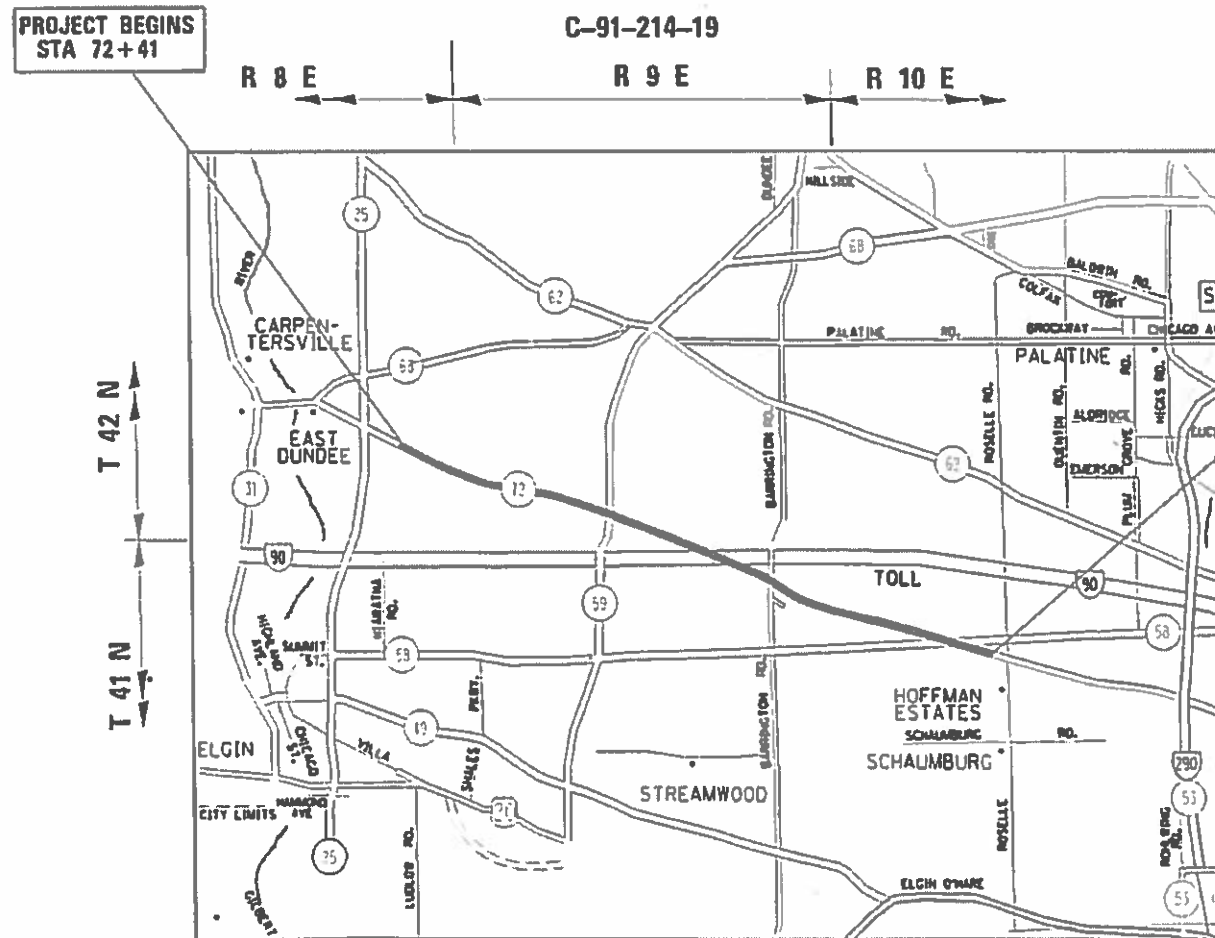
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE VILLAGES OF HOFFMAN ESTATES, SCHAUMBURG AND SOUTH BARRINGTON

TRAFFIC DATA IL 72:

2017 ADT = 36700
POSTED SPEED LIMIT = 35-55 MPH

PROPOSED HIGHWAY PLANS
FAP ROUTE 341: IL 72 (HIGGINS RD)
KANE COUNTY LINE TO GLEN LAKE ROAD
SECTION 2018-070-RS
PROJECT NHPP-DCK8(437)
SMART OVERLAY / PEDESTRIAN RAMPS/PRECAST SLABS
COOK COUNTY



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: J. ALAIN MIDY (847) 221-3056
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62H21

SCHAUMBURG, HANOVER AND BARRINGTON TOWNSHIPS

GROSS LENGTH = 36911 FT. = 6.99 MILE
NET SMART OVERLAY LENGTH = 25282 FT. = 4.788 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 14 2019
Oct 21 2019
Oct 4 2019

REGIONAL ENGINEER
ENGINEER OF DESIGN AND ENVIRONMENT
DIRECTOR HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
420001-09	PAVEMENT JOINTS
420101-06	24" (7.2 m) JOINTED PCC PAVEMENT
424001-11	PREPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSING
442101-09	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
606001-07	COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE , 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE , 2L, 2W, MOVING OPERATIONS-DAY ONLY
701421-08	LANE CLOSURE , MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701426-09	LANE CLOSURE , MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE , MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

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. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF HOFFMAN ESTATES, SCHAUMBURG AND SOUTH BARRINGTON.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT: Kalpana.Kannan-Hosadurga@illinois.gov A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, ARTERIAL TRAFFIC FIELD ENGINEER AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAX. GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2" WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1" WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAX. GRADE DIFFERENTIAL OF 3" (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.

THIS PROJECT INCLUDES PRECAST CONCRETE PATCHING. PRECAST CONCRETE SLAB THICKNESS SHALL BE 10 INCHES.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER MILLED SURFACE.

CONCRETE SHOULDER PATCHING SHALL BE PERFORMED WITH CLASS "B" PATCHING.

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PROJECT: D:\015\19\CADD\DATA\DESIGN\015\19\28-RT-GENERAL.dgn

USER NAME = gorenautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	341			2018-070-R5	COOK	85	2	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 62H21				
PLOT DATE = 9/12/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE 0005 & 0006						SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE 0005 & 0006							
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 OVERLAY 80% FED 20% STATE	0006 SLABS 80% FED 20% STATE					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 OVERLAY 80% FED 20% STATE	0006 SLABS 80% FED 20% STATE				
20200100	EARTH EXCAVATION	CU YD	23.0	23.0						44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SO YD	212386	212386					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	585	585						44000600	SIDEWALK REMOVAL	SO FT	3400	3400					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	11	11						44200966	CLASS B PATCHES, TYPE I, 10 INCH	SO YD	280		280				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	11	11						44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	600		600				
25200110	SODDING, SALT TOLERANT	SO YD	585	585						44200974	CLASS B PATCHES, TYPE III, 10 INCH	SO YD	650		650				
25200200	SUPPLEMENTAL WATERING	UNIT	6	6						44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SO YD	780		780				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	95575	95575						44201811	CLASS D PATCHES, TYPE I, 14 INCH	SO YD	20	20					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	319	319						44201815	CLASS D PATCHES, TYPE II, 14 INCH	SO YD	4177	4177					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	925	925						44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	1322	1322					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	6.5	6.5						44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SO YD	2840	2840					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4366	4366						44213200	SAW CUTS	FOOT	24355		24355				
42001300	PROTECTIVE COAT	SO YD	1060	1060						48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1900	1900					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	3400	3400						60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1					
* 42400800	DETECTABLE WARNINGS	SO FT	560	560						60255500	MANHOLES TO BE ADJUSTED	EACH	1	1					

FILE NAME =	USER NAME = gorengulab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dtd\11\mof.gov\PI\DOT\Documents\DOT_0\files\01str\1\N\Projects\010519\CADData\Desigr\01519-str		DRAWN -	REVISED -		IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			341	2018-070-RS	COOK	85	3
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -		SCALE:	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 62H21			
PLOT DATE = 8/16/2019		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

*= SPECIALTY ITEM

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0005 & 006				SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0005 & 006						
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	0006 SLABS 80% FED 20% STATE					0005 OVERLAY 80% FED 20% STATE		0006 SLABS 80% FED 20% STATE						
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	28	28					70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	13760	11460	2300				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5					70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	2480	2480					
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	43	43					70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	114220	114220					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2					70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	12030	12030					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	930	930					
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	10	10					70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	5330	5330					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1180	1180					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9					70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	11460	11460					
67100100	MOBILIZATION	L SUM	1	1				* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	2480	2480						
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1				* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	114220	114220						
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	12030	12030						
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	930	930						
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5330	5330						
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1180	1180						
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	2695		2695					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	29908	22918	6890			* 78009004	MODIFIED URETHANE PAVEMENT MARKING -LINE 4"	FOOT	56450		56450					

FILE NAME =	USER NAME = gorengatub	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom\dtd\illinois\gov\PIWDOT\Documents\DOT Offices\District N\Projects\DI0519\CADData\Design\DI0519-sh-	DRAWN -	REVISED -	REVISED -		IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)				341	2018-070-RS	COOK	85	4
PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 62H21				
PLOT DATE = 8/16/2019	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

*= SPECIALTY ITEM

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0005 & 006				TOTAL QUANTITIES	SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0005 & 006				
CODE NO	ITEM	UNIT		0005 OVERLAY 80% FED 20% STATE	0006 SLABS 80% FED 20% STATE						0005 OVERLAY 80% FED 20% STATE		0006 SLABS 80% FED 20% STATE				
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	10185		10185				** X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	50	50				
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	3835		3835				** X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	50	50				
* 78009012	MODIFIED URETHANE PAVEMENT MARKING -LINE 12"	FOOT	4040		4040				X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	4				
* 78009024	MODIFIED URETHANE PAVEMENT MARKING -LINE 24"	FOOT	1265		1265				X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	56878	56878				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1114	1114					Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	3170	3170				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1114	1114				**	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	280	280				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	5697	5697					Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	873.8	873.8				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	71415	71415				
X0326767	PROFILE DIAMOND GRINDING CONCRETE PAVEMENT	SO YD	8730		8730												
X0327772	PRECAST CONCRETE PAVEMENT SLABS 10"	SO FT	56093		56093			*	X2700003	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 8"	FOOT	9850		9850			
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	36515		36515			*	X7800956	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - CONTRAST - LINE 7"	FOOT	9850		9850			
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	510	510					X1700091	MEDIAN SURFACE REMOVAL AND REPLACEMENT	SO FT	9835	9835				
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	16448	16448					Z0076600	TRAINEES	hour	1000	1000				
X4423015	DOWEL BARS 1 1/2" RETROFIT	EACH	12000		12000				Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	hour	1000	1000				
* X5420624	PIPE CULVERTS TO BE CLEANED 24"	FOOT	200	200													
* X5420636	PIPE CULVERTS TO BE CLEANED 36"	FOOT	180	180													

FILE NAME =	USER NAME = gorengauab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES IL 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\n\planroom\dtd\111\hills.gov\PIW\DOT Documents\VDOT 01\files\01str\1st\NProjects\DI05\ENCADData\Desigr\DI01519-str	DRAWN -	REVISED -	341			2018-070-RS	COOK	85	5	
PLOT SCALE = 100,0000' / 1in.	CHECKED -	REVISED -	CONTRACT NO. 62H21							
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IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
75+30	1	12	8	10.67		75+75	1	12	6	8.00	
75+30	2	12	8	10.67		75+75	2	12	6	8.00	
75+55	1	12	6	8.00		76+05	2	12	6	8.00	
75+55	2	12	6	8.00		76+62	LT	12	6	8.00	
76+65	1	12	6	8.00		76+62	1	12	6	8.00	
76+65	2	12	6	8.00		76+62	2	12	6	8.00	
76+80	1	12	6	8.00		76+75	LT	12	6	8.00	
76+80	2	12	6	8.00		76+75	1	12	6	8.00	
77+05	1	12	6	8.00		76+75	2	12	6	8.00	
77+05	2	12	6	8.00		77+13	LT	12	14	18.67	
78+20	1	12	6	8.00		77+13	1	12	14	18.67	
78+20	2	12	6	8.00		77+13	2	12	14	18.67	
78+55	LT	12	6	8.00		77+56	LT	12	6	8.00	
78+55	1	12	6	8.00		77+56	1	12	6	8.00	
78+55	2	12	6	8.00		77+56	2	12	6	8.00	
78+80	1	12	8	10.67							
78+80	2	12	8	10.67		78+00	1	12	6	8.00	
79+00	1	12	6	8.00		78+00	2	12	6	8.00	
						78+12	1	12	6	8.00	
						78+12	2	12	6	8.00	
						78+45	1	12	6	8.00	
						78+45	2	12	6	8.00	
						79+06	1	12	6	8.00	
						79+06	2	12	6	8.00	
						79+37	1	12	8	10.67	
						79+37	2	12	8	10.67	
						79+75	1	12	8	10.67	
						79+75	2	12	8	10.67	
						79+80	1	12	6	8.00	
						79+80	2	12	6	8.00	
						80+25	1	12	6	8.00	

MODEL: Default
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USER NAME = gorengautab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST SLAB PATCHING SCHEDULE
IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)

SCALE: SHEET 1 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	6
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
79+00	2	12	6	8.00		80+25	2	12	6	8.00	
79+20	1	12	6	8.00		80+70	1	12	6	8.00	
79+20	2	12	6	8.00		80+70	2	12	6	8.00	
79+75	1	12	6	8.00		81+15	1	12	6	8.00	
79+75	2	12	6	8.00		81+60	1	12	6	8.00	
79+75	3	12	6	8.00		82+05	2	12	6	8.00	
80+65	1	12	6	8.00		82+83	2	12	6	8.00	
80+65	2	12	6	8.00		82+93	1	12	6	8.00	
80+65	3	12	6	8.00		82+93	2	12	6	8.00	
81+45	1	12	22	29.33		83+44	1	12	6	8.00	
81+45	2	12	22	29.33		83+44	2	12	6	8.00	
83+00	1	12	10	13.33		83+44	RT	12	6	8.00	
83+00	2	12	10	13.33		83+56	1	12	6	8.00	
83+65	1	12	6	8.00		83+56	2	12	6	8.00	
83+65	2	12	6	8.00		83+86	1	12	6	8.00	
84+00	1	12	6	8.00		83+86	2	12	6	8.00	
84+00	2	12	6	8.00		84+64	1	12	6	8.00	
84+30	1	12	6	8.00		84+64	2	12	6	8.00	
84+30	2	12	6	8.00		84+92	2	12	6	8.00	
85+80	1	12	6	8.00		85+23	1	12	6	8.00	
85+80	2	12	6	8.00		85+23	2	12	6	8.00	
86+65	1	12	6	8.00		85+33	2	12	6	8.00	
86+65	2	12	6	8.00		85+33	2	12	6	8.00	
86+85	1	12	6	8.00		85+97	1	12	6	8.00	
86+85	2	12	6	8.00		86+16	2	12	6	8.00	
87+40	1	12	6	8.00		86+43	1	12	6	8.00	
87+40	2	12	6	8.00		86+43	2	12	6	8.00	
88+15	1	12	6	8.00		86+60	1	12	6	8.00	
88+15	2	12	6	8.00		86+60	2	12	6	8.00	
88+55	1	12	8	10.67		86+87	1	12	6	8.00	
88+55	2	12	8	10.67		86+87	2	12	6	8.00	
88+75	1	12	6	8.00		87+34	1	12	6	8.00	
88+75	2	12	6	8.00		87+34	2	12	6	8.00	
89+70	1	12	6	8.00		87+50	2	12	6	8.00	
89+70	2	12	6	8.00		87+93	1	12	6	8.00	
90+55	1	12	6	8.00		88+40	1	12	6	8.00	
90+55	2	12	6	8.00		88+40	2	12	6	8.00	
90+85	1	12	6	8.00		88+70	2	12	6	8.00	
90+85	2	12	6	8.00		88+87	2	12	6	8.00	
91+20	1	12	8	10.67		88+90	1	12	6	8.00	

MODEL: Default
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 PROJECT: \\blm1c01\pub\baronm.dwg
 OFFICE: \\blm1c01\pub\baronm.dwg
 DATE: 8/16/2019

USER NAME = gorenautab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST SLAB PATCHING SCHEDULE IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE:	SHEET 2 OF 8 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	7
CONTRACT NO. 62H21			ILLINOIS FED. AID PROJECT	

IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
91+20	2	12	8	10.67		89+60	2	12	6	8.00	
93+00	1	12	8	10.67		90+22	2	12	6	8.00	
93+00	2	12	8	10.67		90+64	1	12	6	8.00	
93+35	LT	12	6	8.00		90+64	2	12	6	8.00	
93+35	1	12	6	8.00		90+93	2	12	6	8.00	
93+35	2	12	6	8.00		91+10	1	12	6	8.00	
94+10	LT	12	6	8.00		91+10	2	12	6	8.00	
94+10	1	12	6	8.00		91+36	1	12	8	10.67	
94+10	2	12	6	8.00		91+36	2	12	8	10.67	
94+60	1	12	6	8.00		91+52	2	12	6	8.00	
94+60	2	12	6	8.00		92+00	1	12	6	8.00	
95+05	LT	12	6	8.00		92+00	2	12	6	8.00	
95+05	1	12	6	8.00		92+45	1	12	6	8.00	
95+05	2	12	6	8.00		93+79	1	12	6	8.00	
95+50	LT	12	6	8.00		93+79	2	12	6	8.00	
95+50	1	12	6	8.00		94+25	1	12	8	10.67	
95+50	2	12	6	8.00		94+25	2	12	8	10.67	
95+95	LT	12	8	10.67		94+70	1	12	6	8.00	
95+95	1	12	6	8.00		94+70	2	12	6	8.00	
95+95	2	12	6	8.00		95+37	1	12	6	8.00	
96+40	LT	12	6	8.00		95+37	2	12	6	8.00	
96+40	1	12	6	8.00		95+50	1	12	6	8.00	
96+40	2	12	6	8.00		95+50	2	12	6	8.00	
96+65	LT	12	8	10.67		96+09	2	12	6	8.00	
96+65	1	12	16	21.33		96+26	2	12	6	8.00	
96+65	2	12	16	21.33		96+38	1	12	6	8.00	
97+15	1	12	6	8.00		97+00	1	12	8	10.67	
97+15	2	12	6	8.00		97+00	2	12	8	10.67	
97+30	1	12	6	8.00		97+74	1	12	10	13.33	
97+30	2	12	6	8.00		98+19	1	12	6	8.00	
97+95	1	12	8	10.67		98+19	2	12	6	8.00	
97+95	2	12	8	10.67		98+42	1	12	8	10.67	
98+85	1	12	8	10.67		98+42	2	12	8	10.67	
98+85	2	12	8	10.67		98+65	1	12	6	8.00	
101+10	1	12	8	10.67		98+65	2	12	6	8.00	
101+10	2	12	8	10.67		99+09	1	12	6	8.00	
103+10	1	12	6	8.00		99+09	2	12	6	8.00	
103+10	2	12	6	8.00		99+70	1	12	6	8.00	
103+10	1	12	6	8.00		99+70	2	12	6	8.00	
103+10	2	12	6	8.00		100+01	2	12	6	8.00	

MODEL: Default
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 PROJECT: D:\Projects\101519\CADD\data\Design\101519_sht-schedule.dgn

USER NAME = gorenautab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/16/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PRICAST SLAB PATCHING SCHEDULE IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)		
SCALE:	SHEET 3 OF 8 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	8
				CONTRACT NO. 62H21
ILLINOIS FED. AID PROJECT				

IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
104+26	1	12	8	10.67		100+61	1	12	6	8.00	
104+26	2	12	8	10.67		100+61	2	12	6	8.00	
106+50	1	12	8	10.67		100+90	1	12	6	8.00	
107+13	1	12	6	8.00		101+35	2	12	6	8.00	
107+13	2	12	6	8.00		101+35	1	12	6	8.00	
107+40	1	12	8	10.67		101+80	2	12	6	8.00	
107+40	2	12	8	10.67		101+80	1	12	6	8.00	
108+30	1	12	8	10.67		102+72	2	12	6	8.00	
108+75	1	12	8	10.67		102+72	1	12	6	8.00	
108+75	2	12	8	10.67		103+15	2	12	6	8.00	
109+65	1	12	8	10.67		103+15	1	12	12	16.00	
109+65	2	12	8	10.67		103+62	2	12	8	10.67	
110+50	1	12	8	10.67		103+62	1	12	8	10.67	
110+50	2	12	8	10.67		103+93	1	12	6	8.00	
113+10	1	12	14	18.67	Loops	103+93	2	12	6	8.00	
113+10	2	12	14	18.67	Loops	104+23	1	12	6	8.00	
113+50	2	12	32	42.67		104+23	2	12	6	8.00	
113+85	1	12	6	8.00		104+52	1	12	6	8.00	
113+85	2	12	6	8.00		104+52	2	12	6	8.00	
114+35	1	12	6	8.00		104+96	1	12	6	8.00	
114+35	2	12	6	8.00		104+96	2	12	6	8.00	
114+83	2	12	8	10.67		105+52	1	12	6	8.00	
114+83	RT	12	8	10.67		105+52	2	12	6	8.00	
115+05	1	12	6	8.00		105+86	1	12	6	8.00	
115+05	2	12	6	8.00		105+86	2	12	6	8.00	
115+05	RT	12	6	8.00		189+10	1	12	8	10.67	
115+60	1	12	6	8.00		189+42	2	12	6	8.00	
115+60	2	12	6	8.00		189+88	1	12	6	8.00	
115+60	RT	12	6	8.00		189+88	2	12	6	8.00	
116+80	1	12	10	13.33		191+06	1	12	6	8.00	
116+80	2	12	10	13.33		191+06	2	12	6	8.00	
117+30	1	12	8	10.67							
117+30	2	12	8	10.67		191+91	2	12	8	10.67	
118+15	1	12	6	8.00		191+91	3	12	8	10.67	
118+15	2	12	6	8.00		192+71	2	12	6	8.00	
118+30	1	12	6	8.00		192+71	3	12	6	8.00	
118+30	2	12	6	8.00		193+20	2	12	6	8.00	
120+15	1	12	6	8.00		193+20	3	12	6	8.00	
120+15	2	12	6	8.00		193+43	1	12	6	8.00	
121+05	1	12	6	8.00		193+43	2	12	6	8.00	

MODEL: Default
 FILE: \\blakec-pub\pub\arcom\dat\illinois\gov\HWIDOT\Documents\DOT_Offices\Director_1\Projects\101519\CADD\Drawings\101519-ent-sched-ils.dgn

USER NAME = gorengautab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRICAST SLAB PATCHING SCHEDULE IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE:	SHEET 4 OF 8 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	9
			CONTRACT NO. 62H21	
			ILLINOIS FED. AID PROJECT	

IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length(ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length(ft)	Area (SY)	Comments
121+05	2	12	6	8.00		193+43	3	12	6	8.00	
122+40	1	12	6	8.00							
122+40	2	12	6	8.00		193+68	2	12	8	10.67	
122+85	1	12	6	8.00		193+68	3	12	8	10.67	
122+85	2	12	6	8.00		194+67	1	12	6	8.00	
123+75	1	12	6	8.00		194+67	2	12	6	8.00	
123+75	2	12	6	8.00		194+67	3	12	6	8.00	
124+85	1	12	16	21.33		195+33	1	12	24	32.00	
124+85	2	12	16	21.33		195+33	2	12	28	37.33	
125+30	RT	12	8	10.67		195+33	3	12	32	42.67	
126+20	2	12	8	10.67		195+72	1	12	6	8.00	
128+15	1	12	6	8.00		195+72	2	12	6	8.00	
128+15	2	12	6	8.00		195+72	3	12	6	8.00	
129+95	1	12	6	8.00		196+48	1	12	6	8.00	
129+95	2	12	6	8.00		196+84	2	12	8	10.67	
133+20	1	12	6	8.00		196+84	3	12	8	10.67	
133+20	2	12	6	8.00		197+76	2	12	8	10.67	
136+10	1	12	8	10.67		197+76	3	12	8	10.67	
136+10	2	12	8	10.67		199+00	1	12	6	8.00	
139+00	1	12	6	8.00		199+00	2	12	6	8.00	
139+00	2	12	6	8.00		199+29	1	12	6	8.00	
140+35	1	12	6	8.00		199+29	2	12	6	8.00	
140+35	2	12	6	8.00		199+48	1	12	8	10.67	
142+15	1	12	18	24.00		199+48	2	12	12	16.00	
142+15	2	12	18	24.00		199+79	LT2	12	6	8.00	
145+10	1	12	8	10.67		199+79	1	12	6	8.00	
145+10	2	12	8	10.67		200+32	LT2	12	10	13.33	
149+10	1	12	6	8.00		200+32	1	12	10	13.33	
149+10	2	12	6	8.00		201+12	LT1	12	6	8.00	
151+20	1	12	6	8.00		201+12	LT2	12	6	8.00	
151+20	2	12	6	8.00		201+12	1	12	6	8.00	
151+75	1	12	6	8.00		201+12	2	12	6	8.00	
151+75	2	12	6	8.00		201+12	3	12	6	8.00	
152+95	1	12	6	8.00		201+56	LT 1	12	6	8.00	
152+95	2	12	6	8.00		201+56	LT 2	12	6	8.00	
152+95	RT	12	6	8.00		201+56	1	12	6	8.00	
154+75	LT	12	10	13.33		201+56	2	12	6	8.00	
154+75	1	12	10	13.33		201+56	3	12	6	8.00	
154+75	2	12	10	13.33		201+87	LT2	12	14	18.67	
155+30	1	12	8	10.67		201+87	1	12	14	18.67	Loops

MODEL: Default
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USER NAME = gorenautab	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/10/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRICAST SLAB PATCHING SCHEDULE IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE:	SHEET 5	OF 8 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H21	

IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
155+30	2	12	8	10.67		201+87	2	12	14	18.67	Loops
158+25	1	12	6	8.00		201+87	3	12	14	18.67	Loops
158+25	2	12	8	10.67		202+91	LT1	12	8	10.67	
						202+91	LT2	12	8	10.67	
160+00	1	12	8	10.67		202+91	1	12	8	10.67	
160+00	2	12	8	10.67		202+91	2	12	8	10.67	
161+30	1	12	8	10.67		202+91	3	12	8	10.67	
161+30	2	12	8	10.67		204+67	LT1	12	12	16.00	Loops
162+05	1	12	6	8.00		204+67	LT2	12	12	16.00	Loops
162+05	2	12	6	8.00		204+67	1	12	12	16.00	
162+30	1	12	16	21.33		204+67	2	12	12	16.00	
164+50	1	12	8	10.67		204+67	3	12	12	16.00	
164+50	2	12	8	10.67		205+57	LT	12	8	10.67	
164+75	2	12	16	21.33		205+57	1	12	8	10.67	
170+70	1	12	6	8.00		205+57	2	12	8	10.67	
170+70	2	12	6	8.00		205+57	3	12	8	10.67	
171+95	1	12	6	8.00		207+00	1	12	12	16.00	
171+95	2	12	6	8.00		207+00	2	12	12	16.00	
175+90	1	12	6	8.00		207+00	3	12	12	16.00	
175+90	2	12	6	8.00		208+65	1	12	10	13.33	
176+90	1	12	12	16.00	Loops	209+22	1	12	6	8.00	
176+90	2	12	12	16.00		209+46	1	12	24	32.00	
177+75	1	12	6	8.00		210+17	1	12	8	10.67	
177+75	2	12	6	8.00		210+50	1	12	14	18.67	
178+25	1	12	6	8.00		211+19	1	12	6	8.00	
178+25	2	12	6	8.00		211+27	2	12	8	10.67	
179+30	1	12	8	10.67		211+34	1	12	10	13.33	
179+30	2	12	8	10.67		211+50	1	12	8	10.67	
181+75	1	12	14	18.67		211+93	1	12	6	8.00	
181+75	2	12	14	18.67		212+12	2	12	10	13.33	
181+90	1	12	6	8.00		212+12	3	12	10	13.33	
181+90	2	12	6	8.00		212+69	1	12	6	8.00	
182+60	1	12	8	10.67		212+91	2	12	6	8.00	
182+60	2	12	8	10.67		212+91	3	12	6	8.00	
184+80	1	12	8	10.67		213+85	LT2	12	6	8.00	
187+05	1	12	8	10.67		213+85	1	12	6	8.00	
187+05	2	12	8	10.67		214+61	LT1	12	6	8.00	
191+95	1	12	18	24.00		214+61	LT2	12	6	8.00	
						214+61	1	12	6	8.00	
						214+61	2	12	6	8.00	

MODEL: Default
 FILE: \\harris-pc01\pub\harris\dot\Documents\DOT_Offices\Harris\1\Projects\0101519\CADD\Drawings\DOT_0101519_rht-schedule.dgn

USER NAME = gorenautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRICAST SLAB PATCHING SCHEDULE IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)	F.A.P. RTE. = 341	SECTION = 2018-070-R5	COUNTY = COOK	TOTAL SHEETS = 85	SHEET NO. = 11		
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET 6 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 62H21			
PLOT DATE = 9/10/2019	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
						214+61	3	12	6	8.00	
196+40	LT	12	8	10.67		214+61	RT	12	6	8.00	
196+60	LT	12	6	8.00		215+09	RT	12	8	10.67	
196+60	1	12	6	8.00		215+40	LT1	12	6	8.00	
196+60	2	12	6	8.00		216+21	2	12	12	16.00	Loops
196+60	3	12	6	8.00		216+21	3	12	12	16.00	Loops
198+20	LT	12	16	21.33		216+21	RT	12	12	16.00	Loops
198+20	1	12	8	10.67		216+40	LT1	12	6	8.00	
198+20	2	12	8	10.67		218+28	LT1	12	6	8.00	
198+40	1	12	6	8.00		218+28	LT2	12	6	8.00	
198+40	2	12	6	8.00		218+28	1	12	6	8.00	
198+40	3	12	6	8.00		218+83	LT1	12	6	8.00	
198+80	1	12	6	8.00		218+83	LT2	12	6	8.00	
198+80	2	12	6	8.00		218+83	1	12	6	8.00	
198+80	3	12	6	8.00		218+94	2	12	8	10.67	
199+60	3	12	6	8.00		218+94	3	12	8	10.67	
200+25	3	12	6	8.00		219+07	1	12	8	10.67	
201+55	2	12	6	8.00		219+38	1	12	8	10.67	
201+55	3	12	6	8.00		219+38	2	12	8	10.67	
201+55	204+70	12	6	8.00		219+38	3	12	8	10.67	
204+70	1	12	6	8.00		220+27	LT	12	16	21.33	
204+70	2	12	6	8.00		220+53	1	12	8	10.67	
204+70	3	12	6	8.00		220+53	2	12	8	10.67	
204+70	RT	12	6	8.00		220+53	3	12	8	10.67	
207+25	2	12	8	10.67		220+85	1	12	12	16.00	Loops
207+25	3	12	8	10.67		220+85	2	12	12	16.00	Loops
						220+85	3	12	12	16.00	Loops
209+00	LT 2	12	8	10.67		221+45	1	12	6	8.00	
209+20	LT 1	12	6	8.00		221+45	2	12	6	8.00	
209+20	LT 2	12	6	8.00		221+45	3	12	6	8.00	
209+20	1	12	6	8.00		222+35	3	12	6	8.00	
209+20	2	12	6	8.00		222+54	1	12	14	18.67	
209+20	3	12	6	8.00		222+54	2	12	14	18.67	
209+60	LT 2	12	8	10.67		222+54	3	12	14	18.67	
210+80	LT 2	12	8	10.67		222+80	1	12	6	8.00	
210+80	1	12	8	10.67		223+16	1	12	8	10.67	
210+80	2	12	8	10.67		223+73	1	12	6	8.00	
210+80	3	12	8	10.67		223+73	2	12	6	8.00	
210+80	4	12	8	10.67		223+73	3	12	6	8.00	
211+90	1	12	6	8.00		223+86	1	12	8	10.67	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRICAST SLAB PATCHING SCHEDULE IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE:	SHEET 7	OF 8 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	12
CONTRACT NO. 62H21			ILLINOIS FED. AID PROJECT	

IL 72 EB (Higgins Rd)						IL 72 WB (Higgins Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments	Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
211+90	2	12	6	8.00		223+86	2	12	8	10.67	
211+90	3	12	6	8.00		223+86	3	12	8	10.67	
211+90	RT	12	6	8.00		224+46	1	12	6	8.00	
212+40	LT 2	12	8	10.67		224+46	2	12	6	8.00	
212+40	1	12	8	10.67		224+46	3	12	6	8.00	
212+70	LT 2	12	8	10.67		224+46	RT	12	6	8.00	
212+70	1	12	8	10.67		225+03	1	12	6	8.00	
213+00	LT 2	12	8	10.67		225+03	2	12	6	8.00	
213+00	1	12	8	10.67		225+03	3	12	6	8.00	
213+95	1	12	6	8.00		225+50	3	12	6	8.00	
213+95	2	12	6	8.00		225+50	RT	12	6	8.00	
213+95	3	12	6	8.00		226+11	LT	12	8	10.67	
214+15	1	12	6	8.00		340+50	3	12	8	10.67	
214+15	2	12	6	8.00		344+10	2	12	8	10.67	
215+05	1	12	6	8.00		344+10	3	12	8	10.67	
215+05	2	12	6	8.00		345+00	1	12	6	8.00	
215+05	3	12	6	8.00		345+00	2	12	6	8.00	
215+80	3	12	8	10.67		345+00	3	12	6	8.00	
217+10	2	12	8	10.67		353+90	3	12	6	8.00	
217+10	3	12	8	10.67		353+10	LT	12	6	8.00	
218+00	2	12	8	10.67							
218+00	3	12	8	10.67							
219+60	3	12	6	8.00							
222+55	1	12	8	10.67							
223+11	2	12	8	10.67							
223+15	1	12	8	10.67							
223+15	2	12	8	10.67							
224+30	1	12	6	8.00							
224+30	2	12	6	8.00							
224+50	1	12	8	10.67							
224+70	1	12	8	10.67							
224+70	2	12	8	10.67							
224+70	3	12	8	10.67							
225+30	1	12	6	8.00							
225+30	2	12	6	8.00							
226+05	1	12	6	8.00							
226+05	2	12	6	8.00							
226+05	3	12	6	8.00							
345+10	LT 1	12	8	10.67							
345+10	LT 2	12	8	10.67							
345+45	LT 2	12	8	10.67							
346+50	1	12	8	10.67							
347+60	LT 1	12	8	10.67							
347+60	LT 2	12	16	21.33							
349+40	2	12	8	10.67							
353+25	3	12	8	10.67							

TOTAL WB: 2856.19SQ YD

**GRAND TOTAL:
6232.51 SQ YD (56092.59 SQ. FT)**

TOTAL EB: 2970.94 SQ YD

Barrington Rd					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
Barrington	3	12	8	10.67	
Barrington	1	12	6	8.00	
Barrington	2	12	6	8.00	
Barrington	3	12	6	8.00	
Barrington	1	12	8	10.67	
Barrington	2	12	8	10.67	
Barrington	3	12	8	10.67	
Barrington	LT 1	12	8	10.67	
Barrington	LT 2	12	8	10.67	
Barrington	1	12	8	10.67	
Barrington	2	12	8	10.67	
Barrington	3	12	16	21.33	Structure
Barrington	3	12	8	10.67	
Barrington	3	12	8	10.67	
Barrington	2	12	8	10.67	
Barrington	2	12	8	10.67	
Barrington	3	12	8	10.67	
Barrington	1	12	6	8.00	
Barrington	2	12	6	8.00	
Barrington	3	12	6	8.00	

Total= 208.04 SY

IL 59 (Sutton Rd)					
Station	Lane No.	Width (ft)	Length (ft)	Area (SY)	Comments
IL 59	1	12	6	8.00	
IL 59	2	12	6	8.00	
IL 59	1	12	18	24.00	
IL 59	2	12	18	24.00	
IL 59	RT	12	8	10.67	
IL 59	RT	12	12	16.00	Loops?
IL 59	1	12	6	8.00	Loops?
IL 59	2	12	6	8.00	Loops?
IL 59	3	12	12	16.00	
IL 59	3	12	8	10.67	
IL 59	1	12	8	10.67	
IL 59	2	12	12	16.00	
IL 59	3	12	10	13.33	
IL 59	1	12	6	8.00	Loops?
IL 59	2	12	6	8.00	Loops?
IL 59	3	12	6	8.00	Loops?

Total= 197.34 SY

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

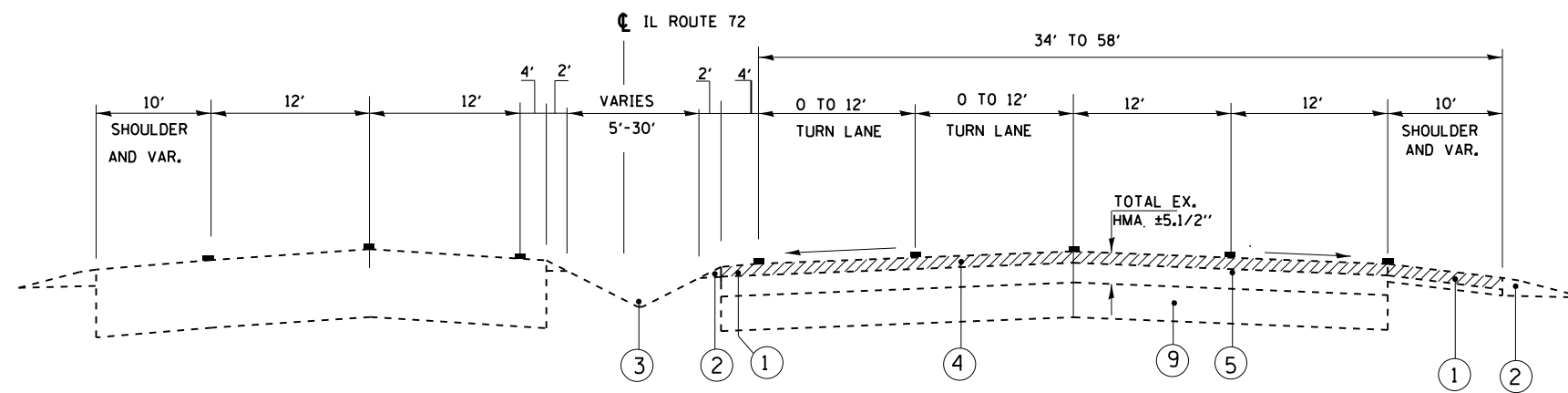
**PRICAST SLAB PATCHING SCHEDULE
IL ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	13
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

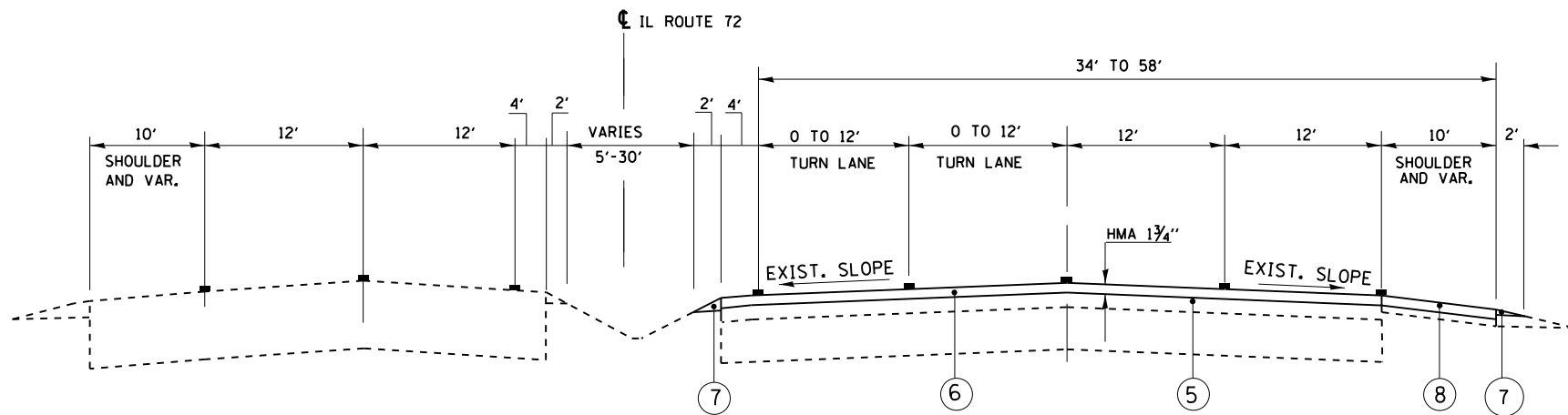
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LEGEND

- 1 EXISTING BITUMINOUS SHOULDER
- 2 EXISTING AGGREGATE SHOULDER
- 3 EXISTING MEDIAN
- 4 PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- 5 EXISTING HMA PAVEMENT AFTER MILLING ± 3 3/4"
- 6 PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 1 3/4"
- 7 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B PROPOSED GRADING AND SHAPING SHOULDERS
- 8 PROPOSED HMA SURFACE COURSE MIX "D", IL-9.5, N70, 1 3/4"
- 9 EXISTING PCC BASE COURSE, ± 10"



**EXISTING TYPICAL SECTION
STA 115+06 TO STA 188+89**



**PROPOSED TYPICAL SECTION
STA 115+06 TO STA 188+89**

**CONTRACTOR SHALL MILL FIRST
BEFORE PATCHING**

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR Voids Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N 80	3.5% @ 80 GYR.	PFP
SHOULDER OVERLAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	4% @ 70 GYR.	OC / OA
MEDIAN AND HMA PATH		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	4% @ 50 GYR.	OC / OA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OC / OA
QMP Designation: Quality Control / Quality Assurance (OC / OA); Quality Control for Performance (QCP);		

NOTE:

-THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS / SQ. YD./ IN

-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 DISTRICT ONE SPECIAL PROVISIONS.

-FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

-QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUANTITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE.

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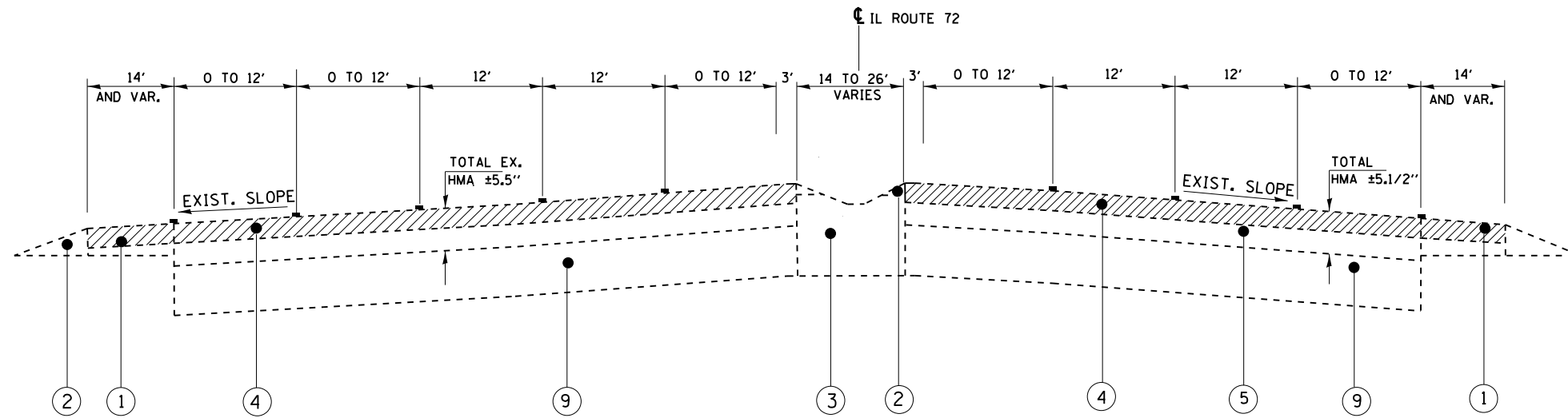
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	14
CONTRACT NO. 62H21				
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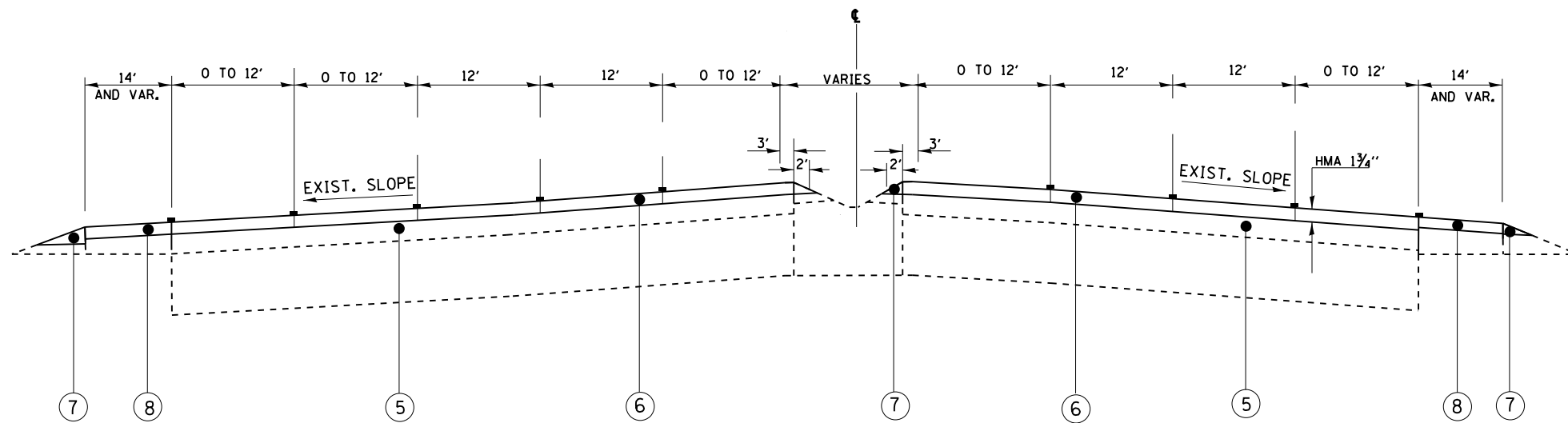
LEGEND

- 1 EXISTING BITUMINOUS SHOULDER
- 2 EXISTING AGGREGATE SHOULDER
- 3 EXISTING MEDIAN
- 4 PROPOSED HMA SURFACE REMOVAL, 1 3/4"
- 5 EXISTING HMA PAVEMENT AFTER MILLING ± 3 3/4"
- 6 PROPOSED POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80 1 3/4"
- 7 PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
PROPOSED GRADING AND SHAPING SHOULDERS
- 8 PROPOSED HMA SURFACE COURSE MIX "D", IL-9.5, N70, 1 3/4"
- 9 EXISTING PCC BASE COURSE, ± 10"



EXISTING TYPICAL SECTION

STA 226 + 11 TO STA 286 + 90
 STA 309 + 92 TO STA 340 + 49
 STA 353 + 89 TO STA 441 + 52



PROPOSED TYPICAL SECTION

STA 226 + 11 TO STA 286 + 90
 STA 309 + 92 TO STA 340 + 49
 STA 353 + 89 TO STA 441 + 52

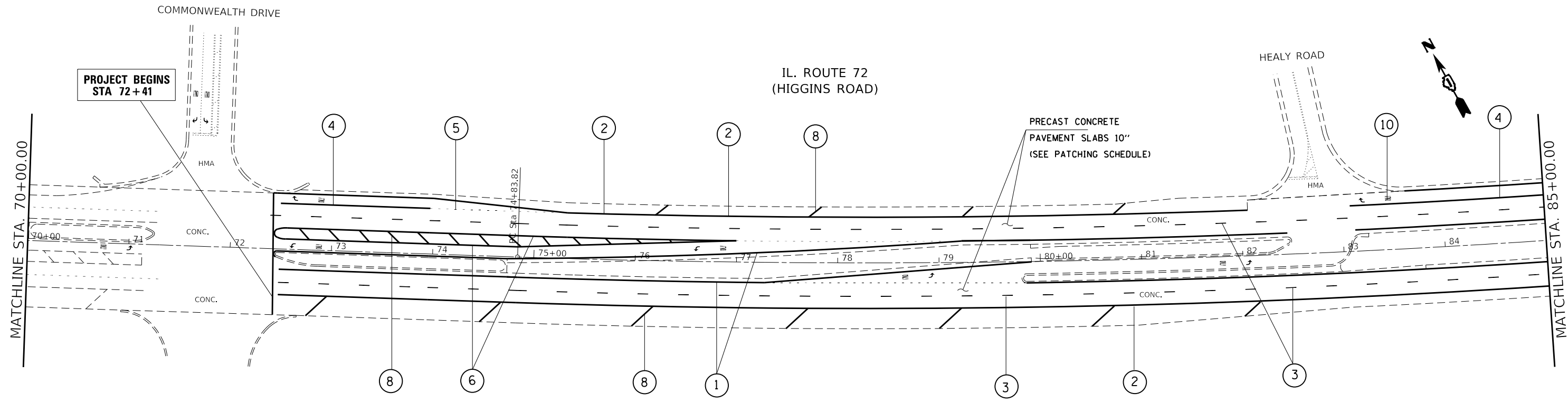
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

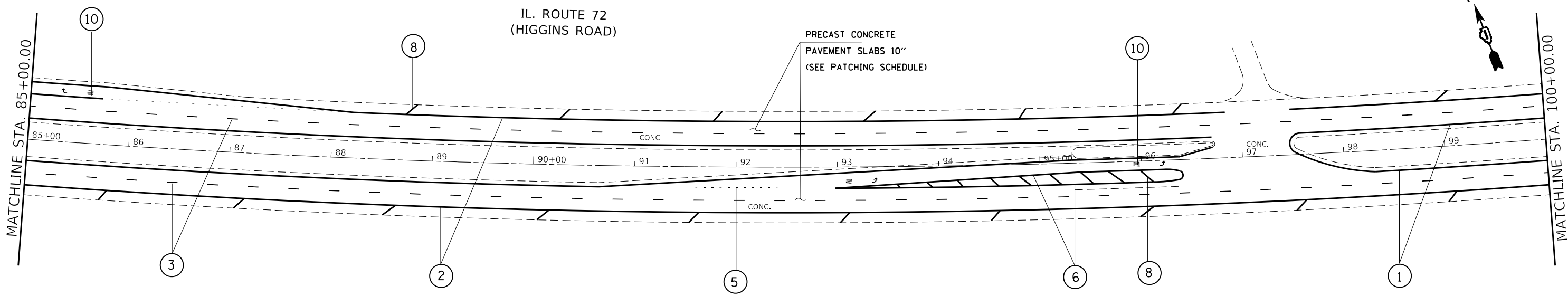
EXISTING AND PROPOSED TYPICAL SECTIONS	
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	15
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑳ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	⑲ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	㉀ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE	㉁ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS	㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)



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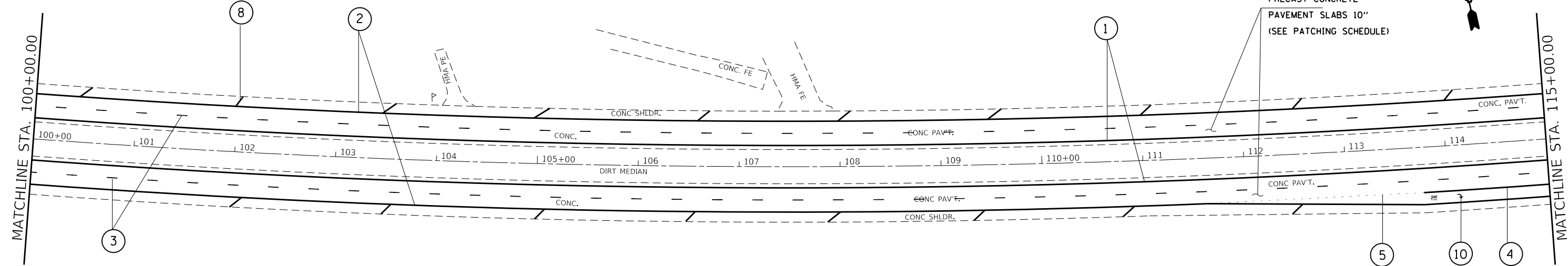
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

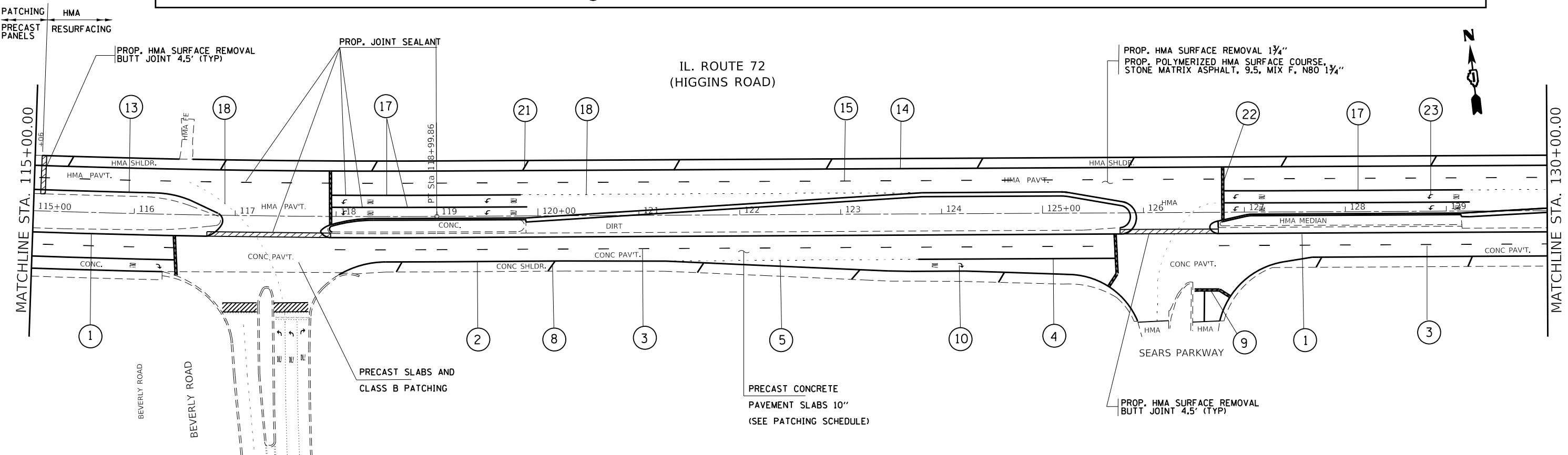
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	16
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 72
(HIGGINS ROAD)



LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 4" SOLID LANE LINE	⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑳ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	㉀ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	㉁ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES (PER TC-13)	㉕ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

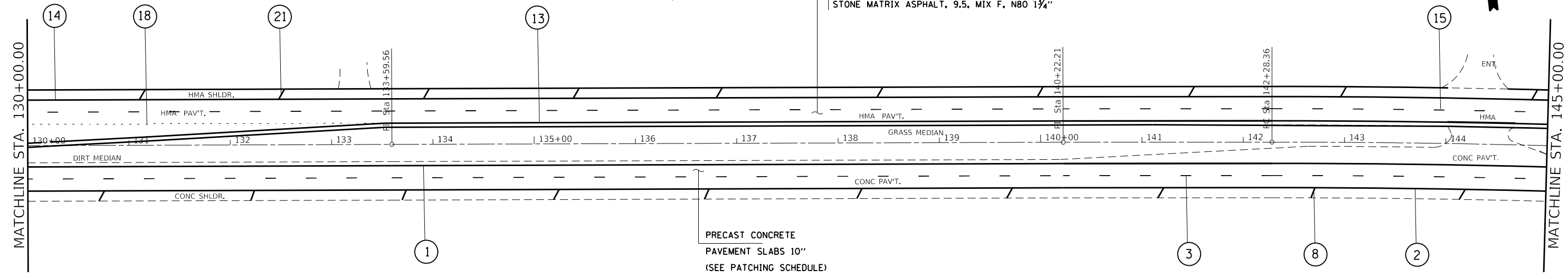
ROADWAY PLAN
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	17
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 72
(HIGGINS ROAD)

PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE,
STONE MATRIX ASPHALT, 9.5, MIX F, N80 1 3/4"



LEGEND:

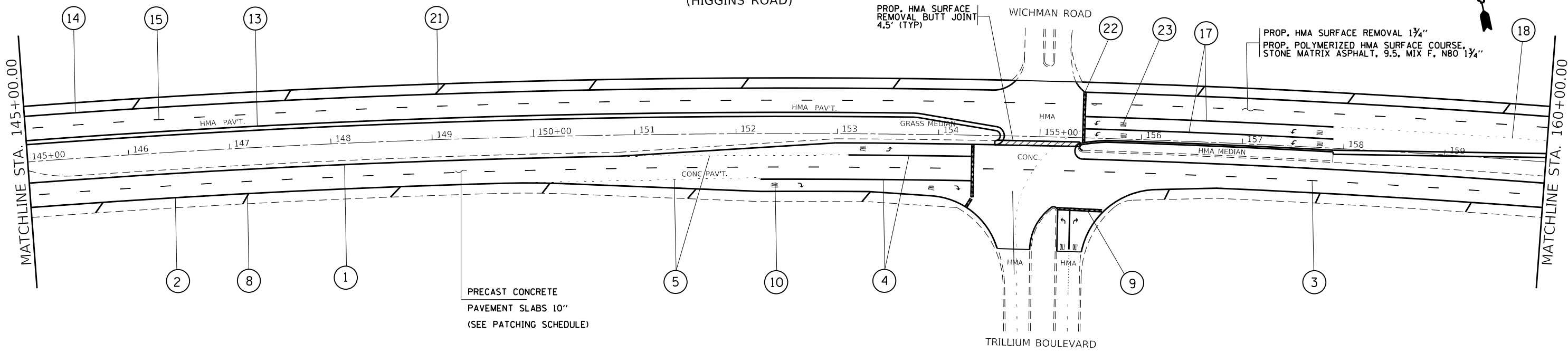
① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑳ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6" SPACING	㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6" SPACING	⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	⑲ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES (PER TC-13)
⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	㉀ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS	㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE		㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)

IL. ROUTE 72
(HIGGINS ROAD)

PROP. HMA SURFACE REMOVAL BUTT JOINT 4.5' (TYP)

WICHMAN ROAD

PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE,
STONE MATRIX ASPHALT, 9.5, MIX F, N80 1 3/4"



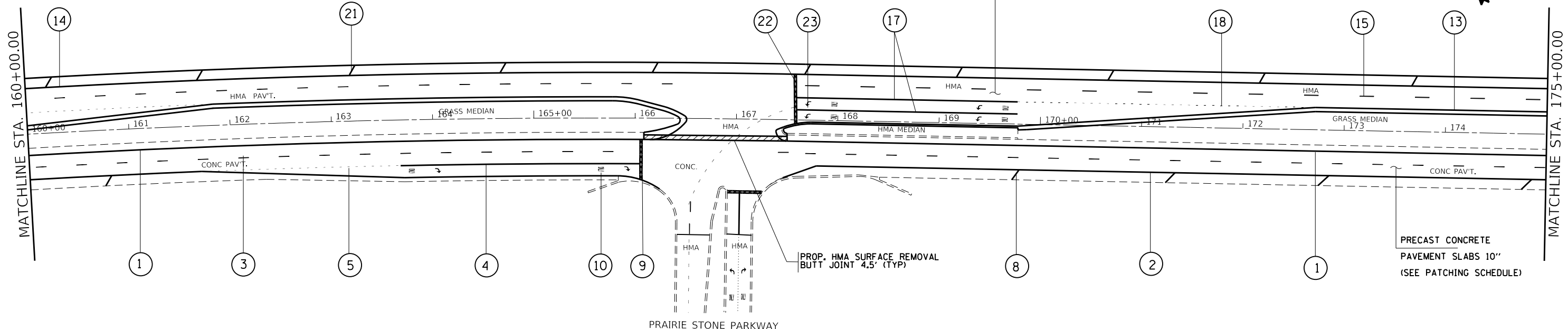
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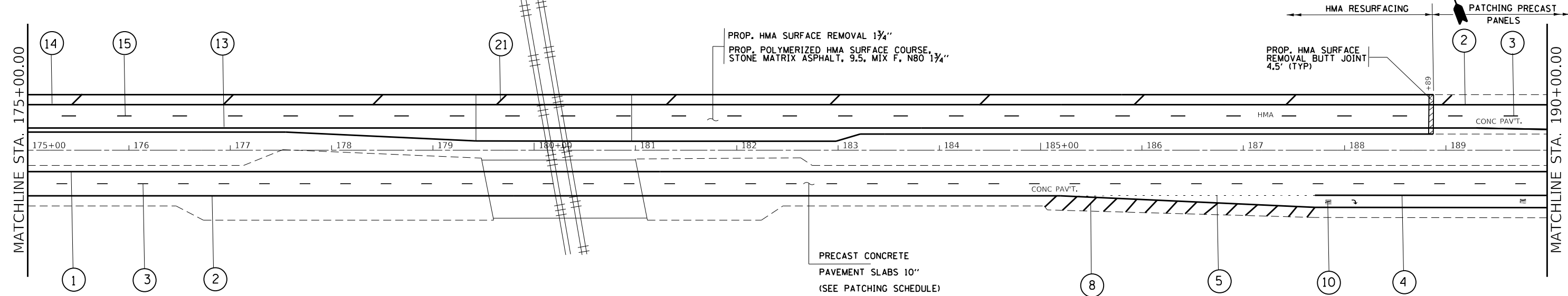
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN	
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)	
SCALE: 1"= 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 18
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



LEGEND:			
①	PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	⑧	PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)
②	PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨	PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR
③	PROP. CONTRAST PERFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩	PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS
④	PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪	PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
⑤	PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	⑫	PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE
⑥	PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	⑬	PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE
⑦	PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	⑭	PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE
		⑮	PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING
		⑯	PROP. THPL PVMT MARKING 6" WHITE SOLID LINE
		⑰	PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING
		⑱	PROP. THPL PVMT MARKING 8" SOLID WHITE LINE
		⑲	PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
		⑳	PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
		㉑	PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
		㉒	PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
		㉓	PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
		㉔	PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
		㉕	PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	19
CONTRACT NO. 62H21				

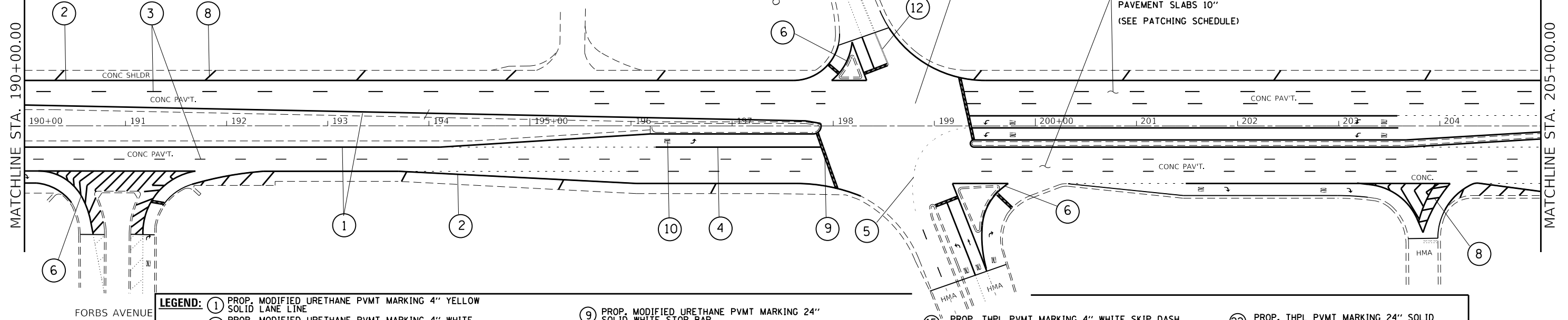
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IL. ROUTE 72
(HIGGINS ROAD)

PRECAST SLABS AND
CLASS B PATCHING

PRECAST CONCRETE
PAVEMENT SLABS 10"
(SEE PATCHING SCHEDULE)

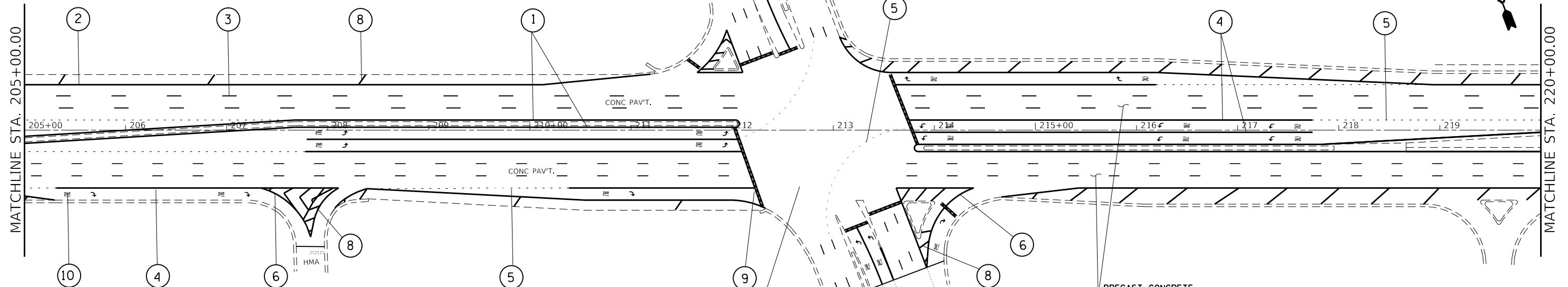


- LEGEND:**
- ① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE
 - ② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE
 - ③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30" SPACING
 - ④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE
 - ⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING
 - ⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE
 - ⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
 - ⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)
 - ⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR
 - ⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS
 - ⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
 - ⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE
 - ⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE
 - ⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE
 - ⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30" SPACING
 - ⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE
 - ⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE
 - ⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING
 - ⑲ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE
 - ⑳ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
 - ㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
 - ㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
 - ㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
 - ㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
 - ㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
 - ㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)

IL. ROUTE 72
(HIGGINS ROAD)

PRECAST SLABS AND
CLASS B PATCHING

PRECAST CONCRETE
PAVEMENT SLABS 10"
(SEE PATCHING SCHEDULE)



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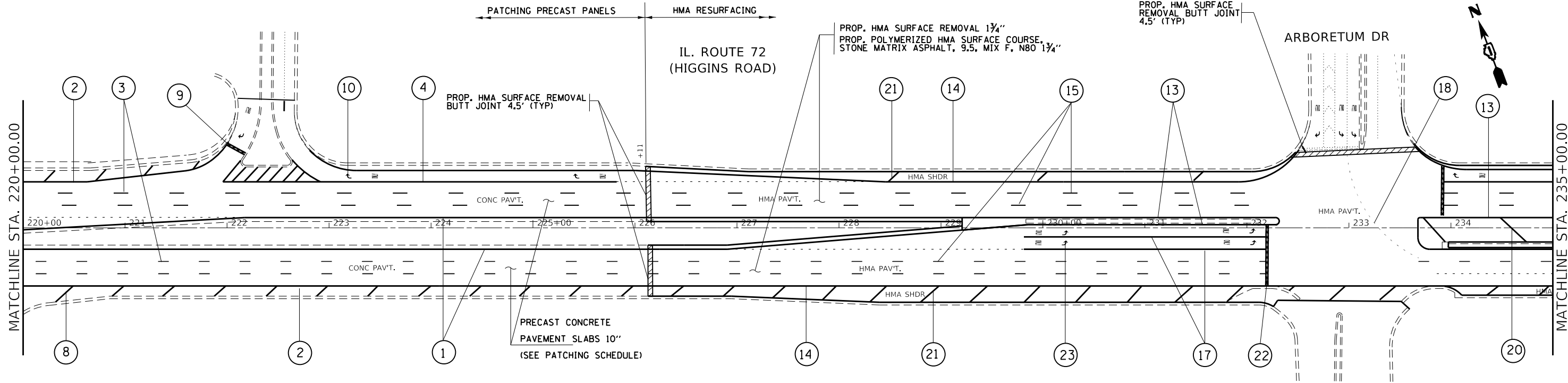
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)

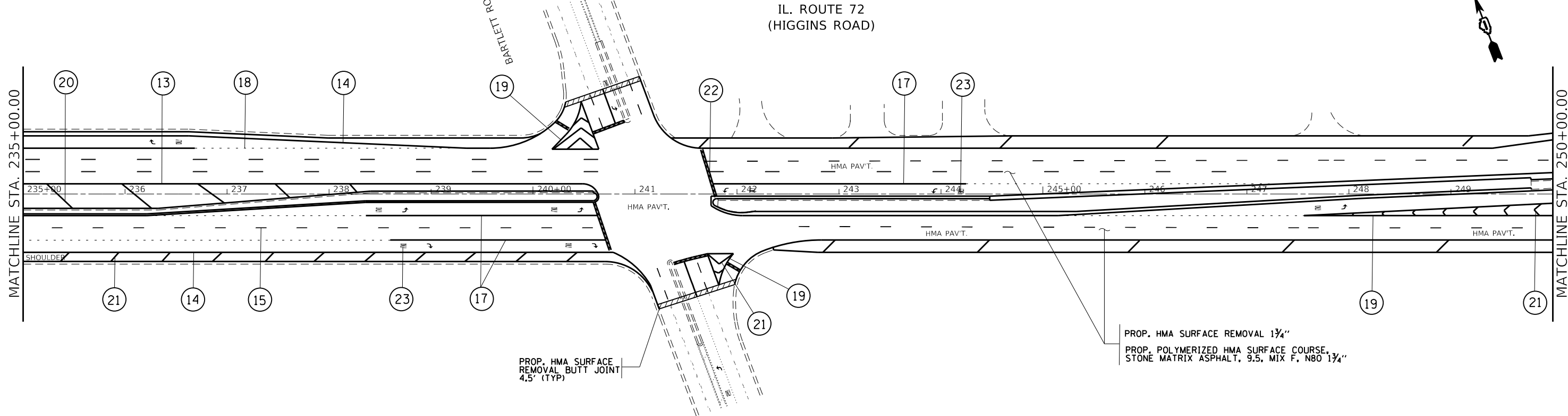
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F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 20
CONTRACT NO. 62H21			ILLINOIS FED. AID PROJECT	



LEGEND:

1 PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	8 PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	15 PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10" LONG, 30" SPACING	22 PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
2 PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	9 PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	16 PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	23 PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
3 PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10" LONG, 30" SPACING	10 PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	17 PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	24 PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6" LONG, 2" SPACING (PER TC-13)
4 PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	11 PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	18 PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6" SPACING	25 PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
5 PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6" SPACING	12 PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	19 PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	26 PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6" LONG, 2" SPACING (PER TC-13)
6 PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	13 PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	20 PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	
7 PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	14 PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE	21 PROP. THPL PVMT MARKING 12" WHITE DIAGONALS	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

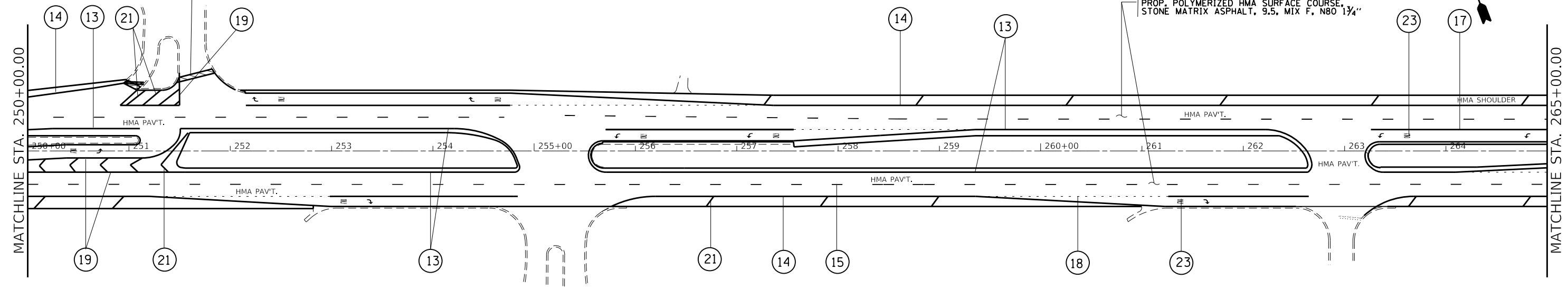
ROADWAY PLAN
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	21
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

SCALE: 1"= 50' SHEET OF SHEETS STA. TO STA.

IL. ROUTE 72
(HIGGINS ROAD)

PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE,
STONE MATRIX ASPHALT, 9.5, MIX F, N80 1 3/4"



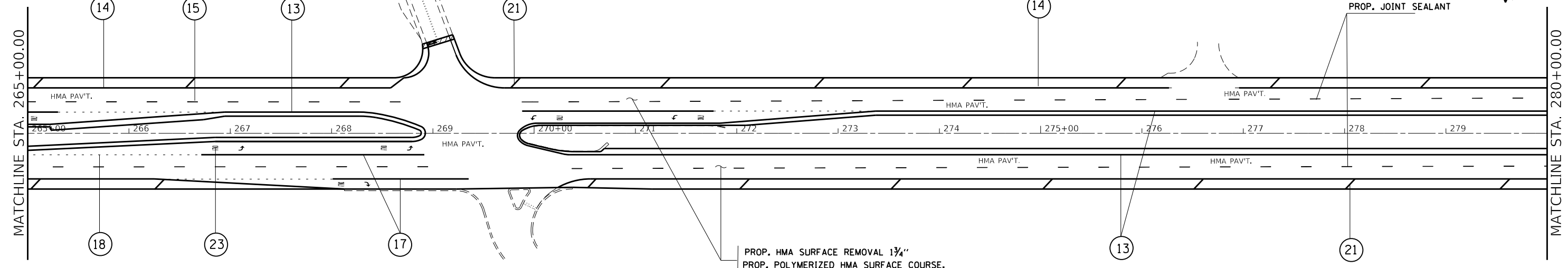
LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑳ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	㉑ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	㉒ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES (PER TC-13)	㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE	㉓ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS	㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)

IL. ROUTE 72
(HIGGINS ROAD)

MUNDHANK ROAD

PROP. JOINT SEALANT



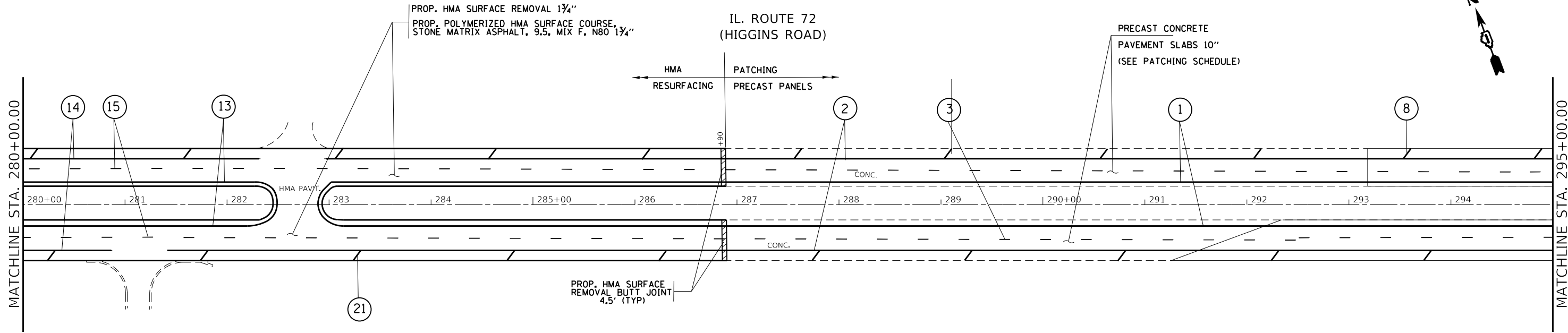
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

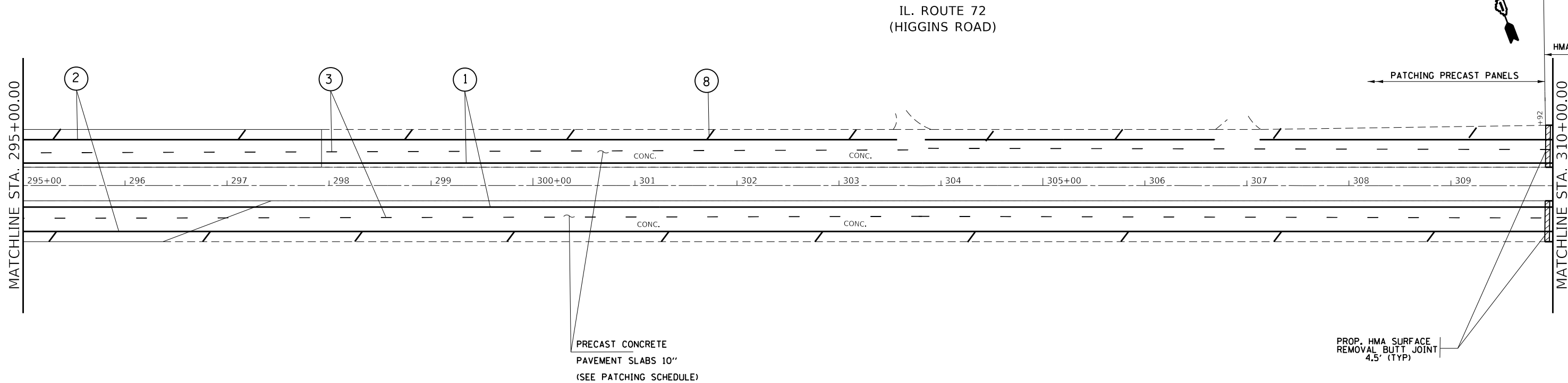
ROADWAY PLAN	
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)	
SCALE: 1"= 50'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	22
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑳ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	⑲ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	㉐ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE		㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)



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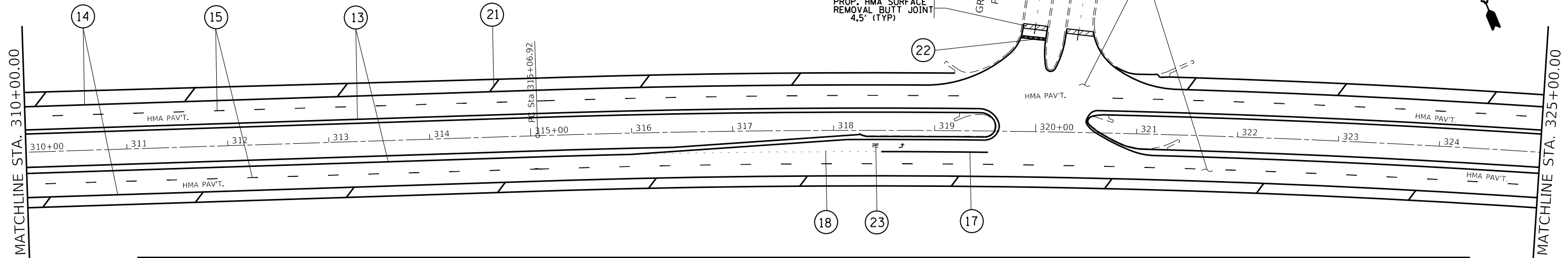
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

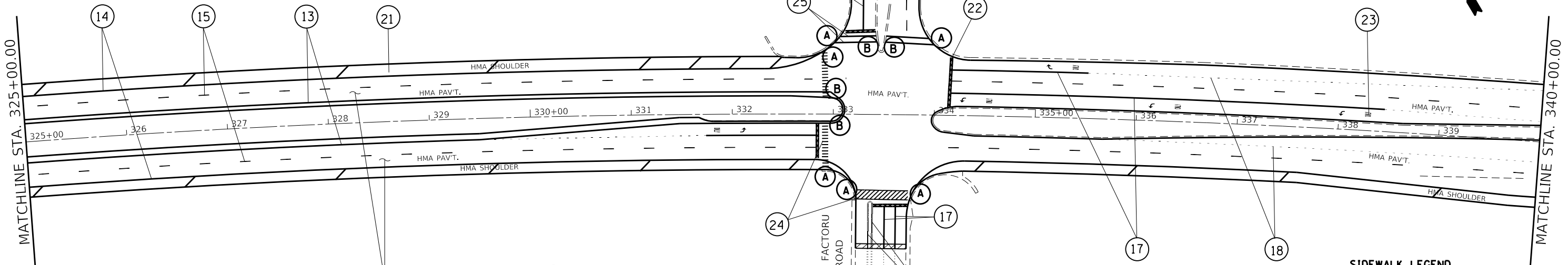
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	23
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

IL. ROUTE 72
(HIGGINS ROAD)



LEGEND:			
1	PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	8	PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)
2	PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	9	PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR
3	PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	10	PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS
4	PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	11	PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
5	PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	12	PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE
6	PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	13	PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE
7	PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	14	PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE
		15	PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING
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		21	PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
		22	PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
		23	PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
		24	PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
		25	PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
		26	PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)

IL. ROUTE 72
(HIGGINS ROAD)



PROP. HMA SURFACE REMOVAL 1 3/4"
PROP. POLYMERIZED HMA SURFACE COURSE,
STONE MATRIX ASPHALT, 9.5, MIX F, N80 1 3/4"

SIDEWALK LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. MEDIAN PEDESTRIAN CROSSING IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH

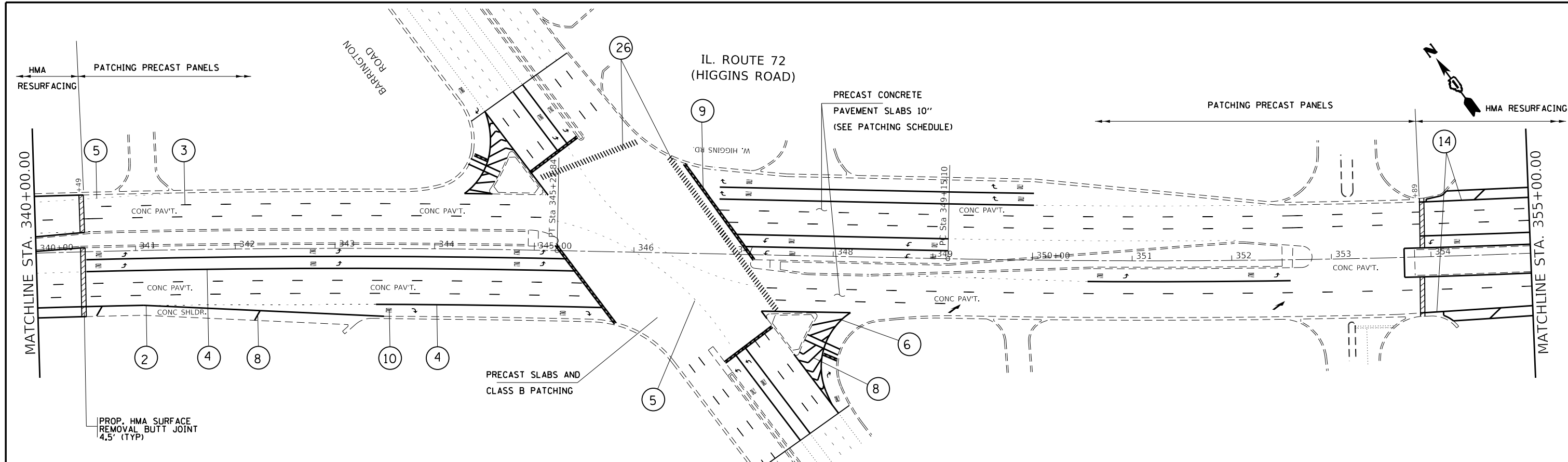
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

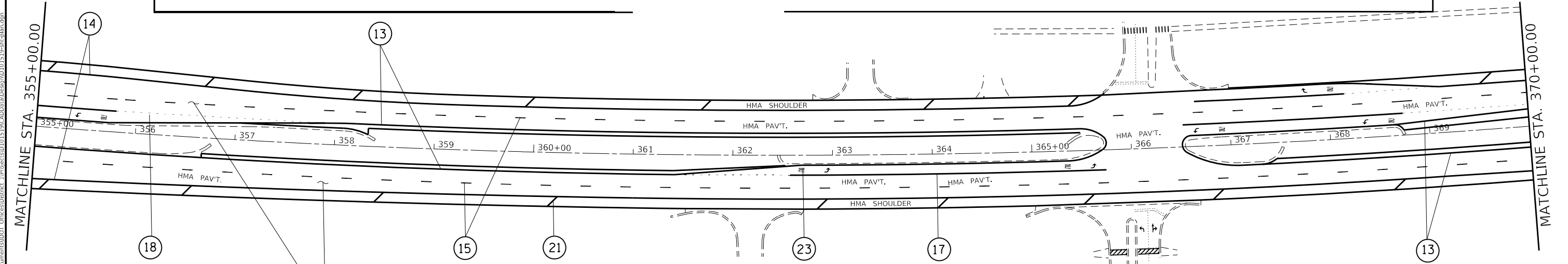
ROADWAY PLAN			
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	24
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	⑳ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE	㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE		⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)		⑲ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)



PROP. HMA SURFACE REMOVAL 1 3/4"
 PROP. POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX F, N80 1 3/4"

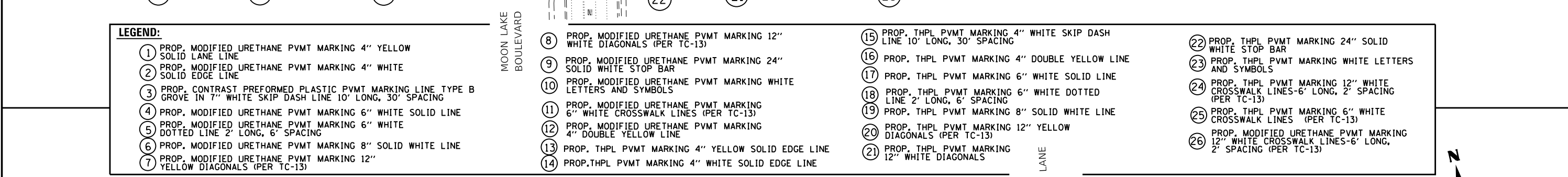
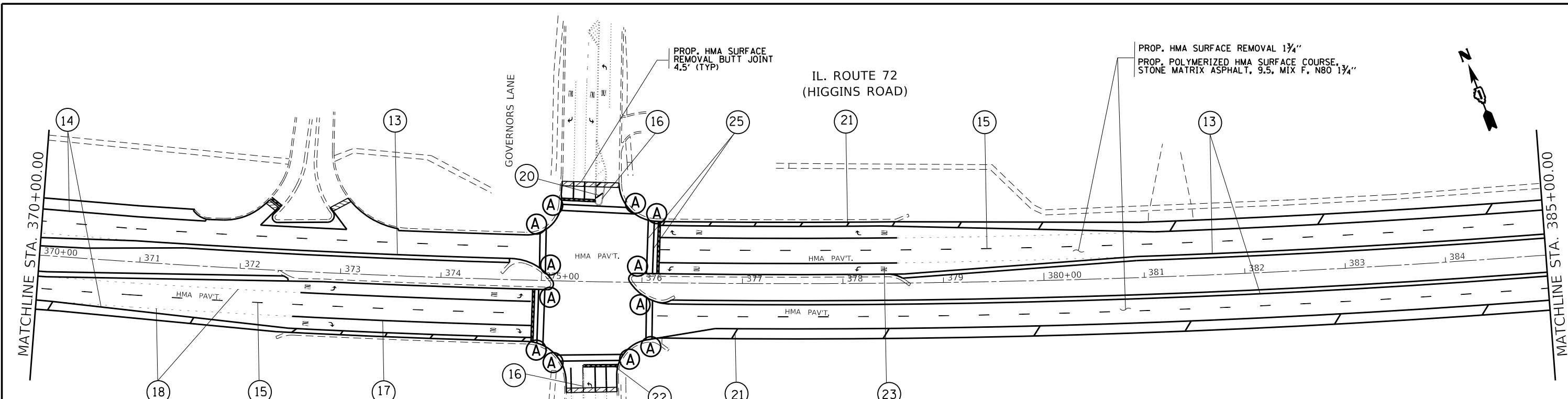
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PLOT DATE = 8/16/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 25
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- | | | | |
|--|---|---|--|
| <p>1 PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE</p> <p>2 PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE</p> <p>3 PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING</p> <p>4 PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE</p> <p>5 PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING</p> <p>6 PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE</p> <p>7 PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)</p> | <p>8 PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)</p> <p>9 PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR</p> <p>10 PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS</p> <p>11 PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)</p> <p>12 PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE</p> <p>13 PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE</p> <p>14 PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE</p> | <p>15 PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING</p> <p>16 PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE</p> <p>17 PROP. THPL PVMT MARKING 6" WHITE SOLID LINE</p> <p>18 PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING</p> <p>19 PROP. THPL PVMT MARKING 8" SOLID WHITE LINE</p> <p>20 PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)</p> <p>21 PROP. THPL PVMT MARKING 12" WHITE DIAGONALS</p> | <p>22 PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR</p> <p>23 PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS</p> <p>24 PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)</p> <p>25 PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)</p> <p>26 PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)</p> |
|--|---|---|--|

- SIDEWALK LEGEND**
- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
 - (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-02B
 - (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-05A

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

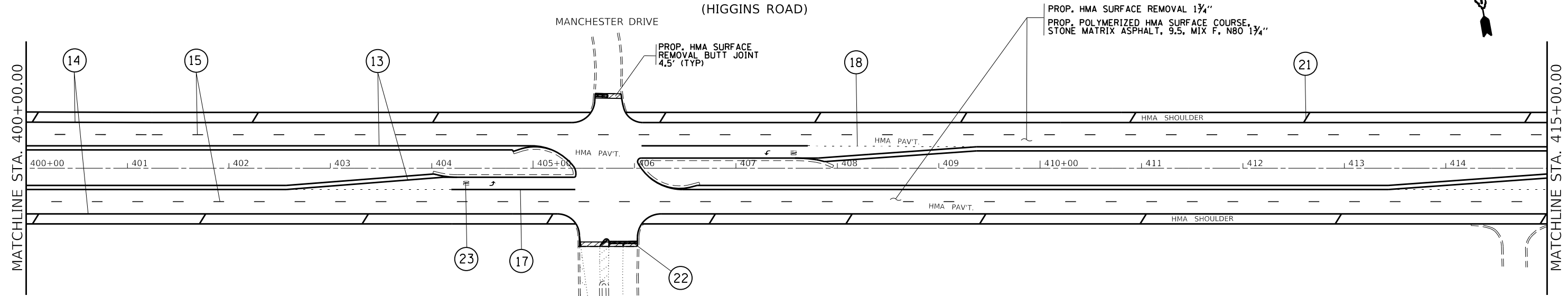
ROADWAY PLAN
 IL. ROUTE 72 (HIGGINS RD.) (IL. ROUTE 25 (DUNDEE RD.) TO ALMOND LANE)

SCALE: 1"= 50'

SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 26
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

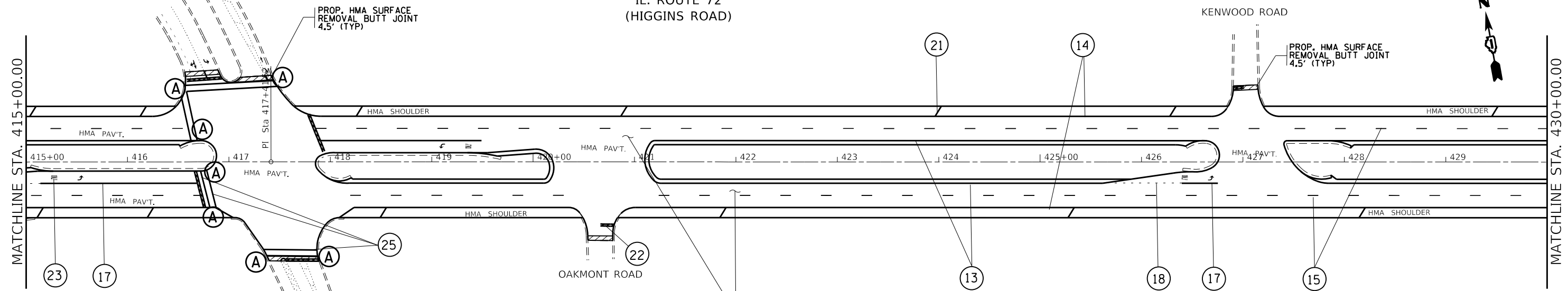
IL. ROUTE 72
(HIGGINS ROAD)



LEGEND:

① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE	⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)	⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑳ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE	⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR	⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE	㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30' SPACING	⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS	⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE	㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE	⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6' SPACING	⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE	㉒ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE	㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES (PER TC-13)
⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE	⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE	㉓ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)	㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)	⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE	㉔ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)	㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)

IL. ROUTE 72
(HIGGINS ROAD)



SIDEWALK LEGEND

Ⓐ	PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
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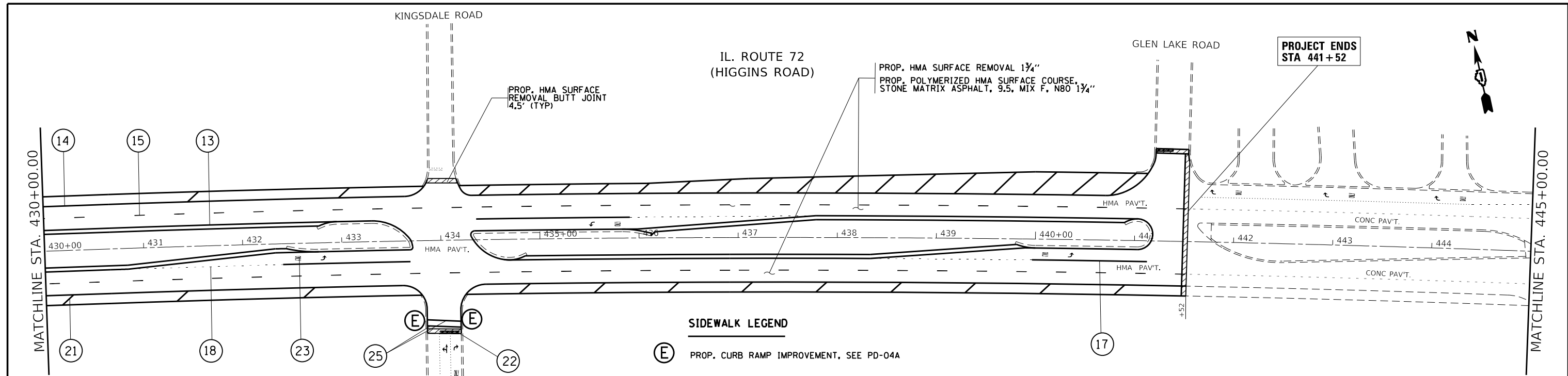
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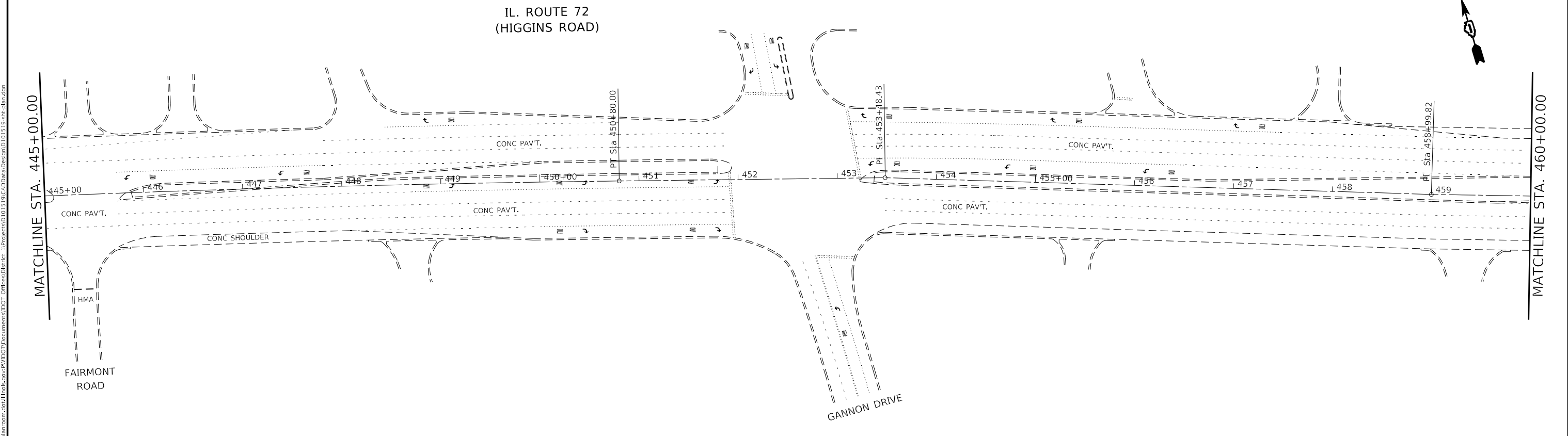
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)
 SCALE: 1" = 50'
 SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 27
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



- LEGEND:**
- ① PROP. MODIFIED URETHANE PVMT MARKING 4" YELLOW SOLID LANE LINE
 - ② PROP. MODIFIED URETHANE PVMT MARKING 4" WHITE SOLID EDGE LINE
 - ③ PROP. CONTRAST PREFORMED PLASTIC PVMT MARKING LINE TYPE B GROVE IN 7" WHITE SKIP DASH LINE 10' LONG, 30" SPACING
 - ④ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE SOLID LINE
 - ⑤ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6" SPACING
 - ⑥ PROP. MODIFIED URETHANE PVMT MARKING 8" SOLID WHITE LINE
 - ⑦ PROP. MODIFIED URETHANE PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
 - ⑧ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE DIAGONALS (PER TC-13)
 - ⑨ PROP. MODIFIED URETHANE PVMT MARKING 24" SOLID WHITE STOP BAR
 - ⑩ PROP. MODIFIED URETHANE PVMT MARKING WHITE LETTERS AND SYMBOLS
 - ⑪ PROP. MODIFIED URETHANE PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
 - ⑫ PROP. MODIFIED URETHANE PVMT MARKING 4" DOUBLE YELLOW LINE
 - ⑬ PROP. THPL PVMT MARKING 4" YELLOW SOLID EDGE LINE
 - ⑭ PROP. THPL PVMT MARKING 4" WHITE SOLID EDGE LINE
 - ⑮ PROP. THPL PVMT MARKING 4" WHITE SKIP DASH LINE 10' LONG, 30" SPACING
 - ⑯ PROP. THPL PVMT MARKING 4" DOUBLE YELLOW LINE
 - ⑰ PROP. THPL PVMT MARKING 6" WHITE SOLID LINE
 - ⑱ PROP. THPL PVMT MARKING 6" WHITE DOTTED LINE 2' LONG, 6" SPACING
 - ⑲ PROP. THPL PVMT MARKING 8" SOLID WHITE LINE
 - ⑳ PROP. THPL PVMT MARKING 12" YELLOW DIAGONALS (PER TC-13)
 - ㉑ PROP. THPL PVMT MARKING 12" WHITE DIAGONALS
 - ㉒ PROP. THPL PVMT MARKING 24" SOLID WHITE STOP BAR
 - ㉓ PROP. THPL PVMT MARKING WHITE LETTERS AND SYMBOLS
 - ㉔ PROP. THPL PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)
 - ㉕ PROP. THPL PVMT MARKING 6" WHITE CROSSWALK LINES (PER TC-13)
 - ㉖ PROP. MODIFIED URETHANE PVMT MARKING 12" WHITE CROSSWALK LINES-6' LONG, 2' SPACING (PER TC-13)



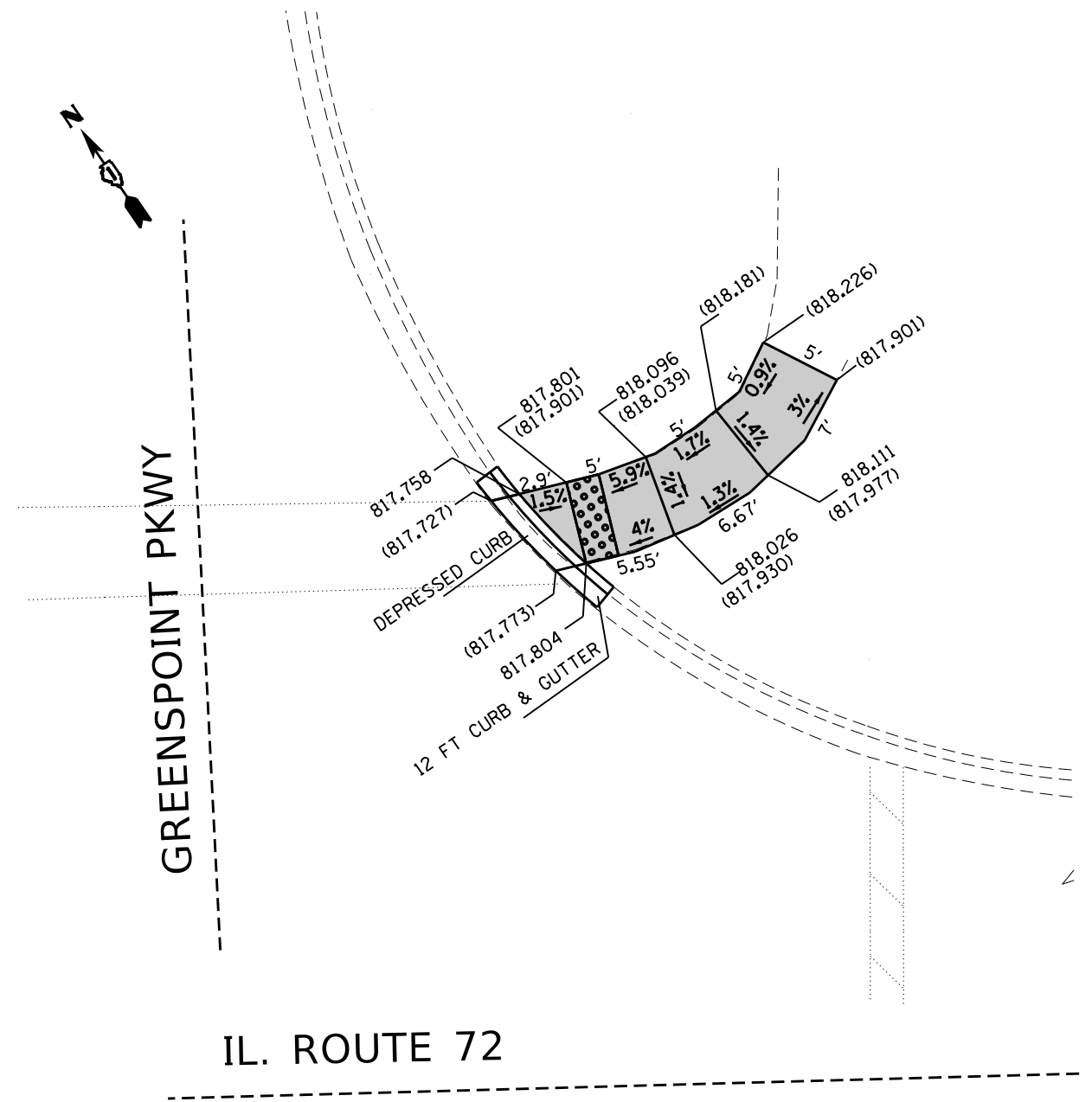
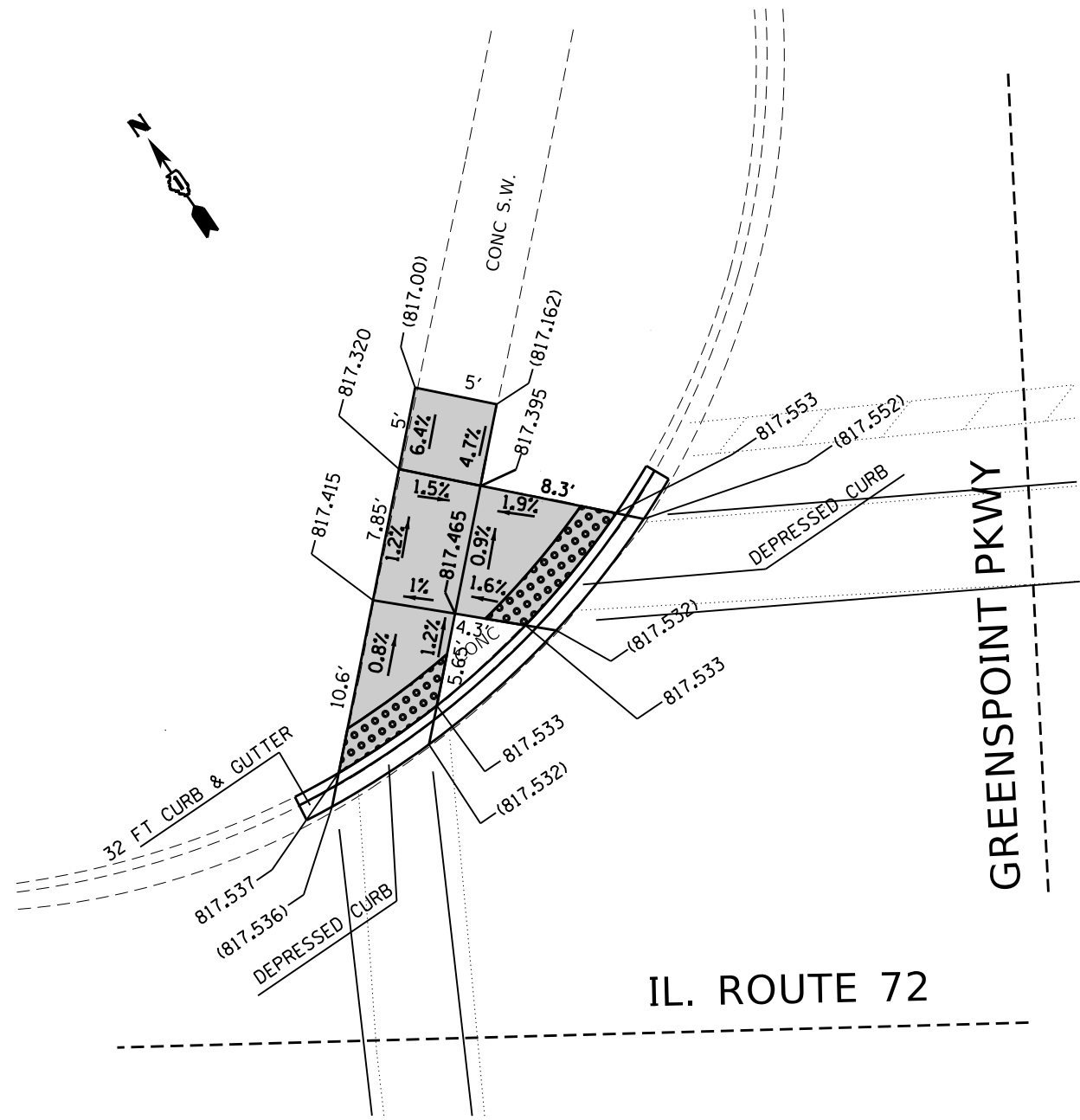
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)			
SCALE: 1"= 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	28
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEVATION 819.514

BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. EAST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)

LOCATION: NORTHWEST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION 819.514

BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. EAST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)

LOCATION: NORTHEAST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)

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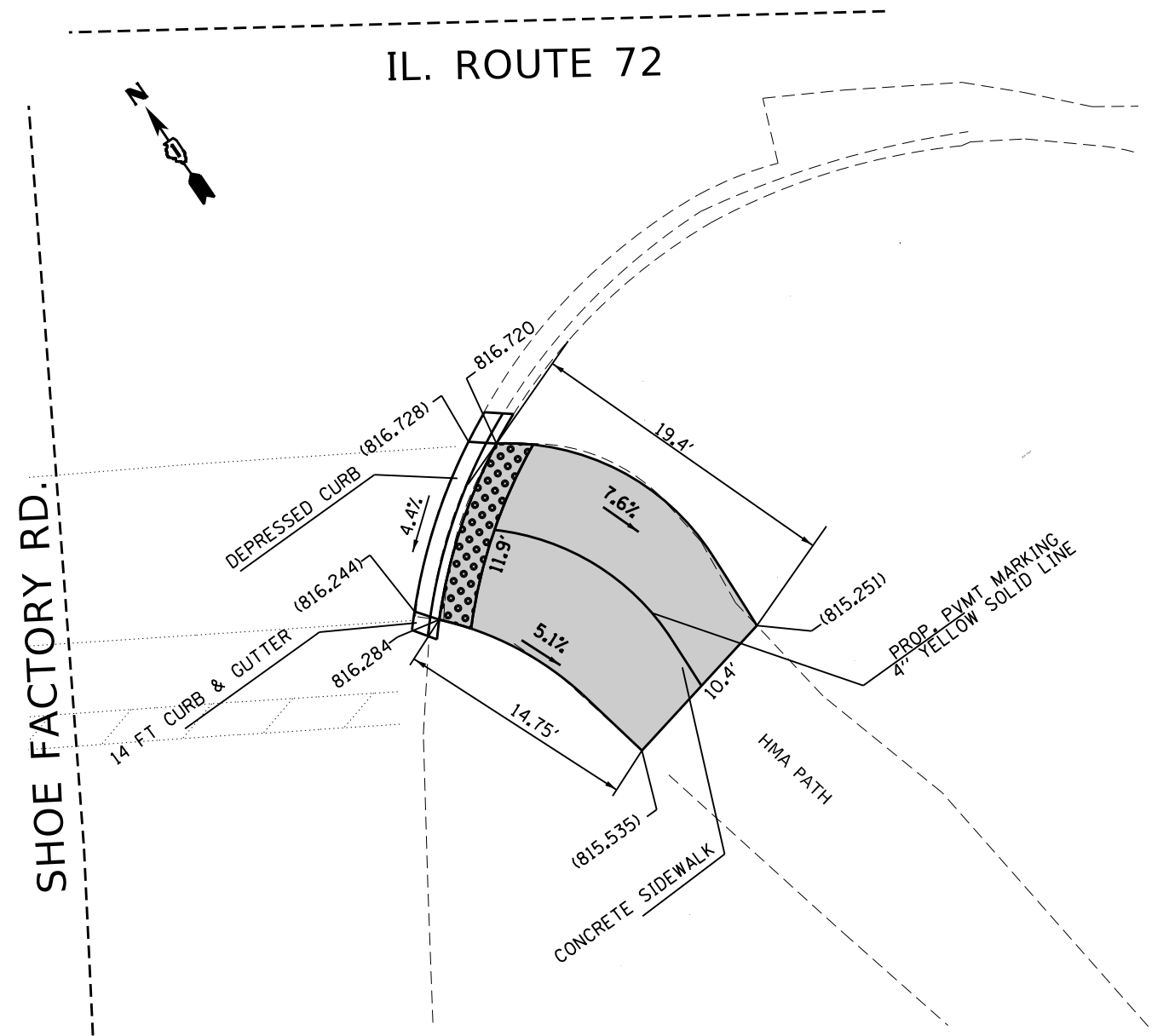
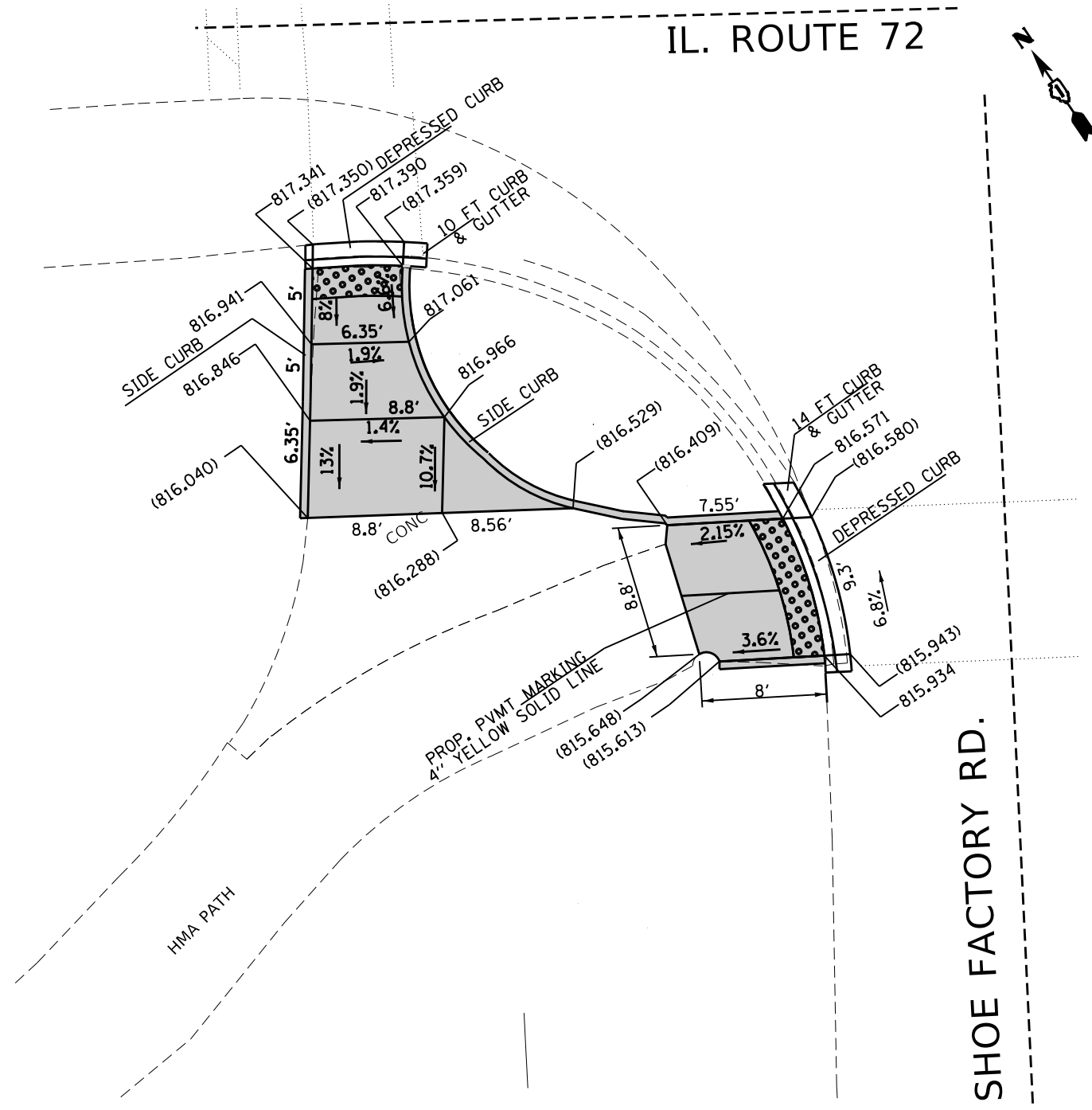
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
IL ROUTE 72 (HIGGINS RD) (KANE COUNTY LINE TO GLEN LAKE RD)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	29
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEVATION 819.514
 BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. EAST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)
 LOCATION: SOUTHWEST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)

LEGEND

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

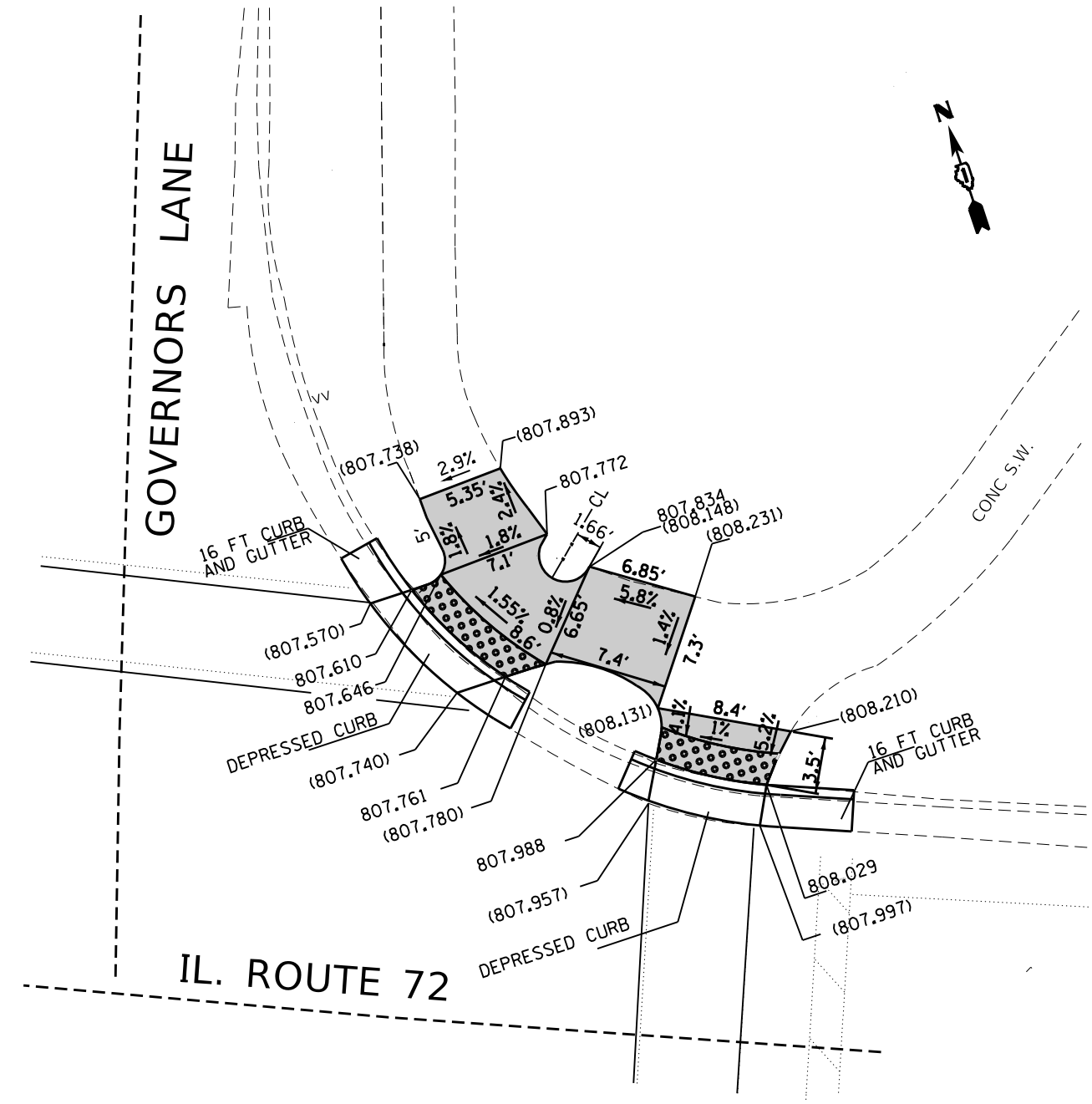
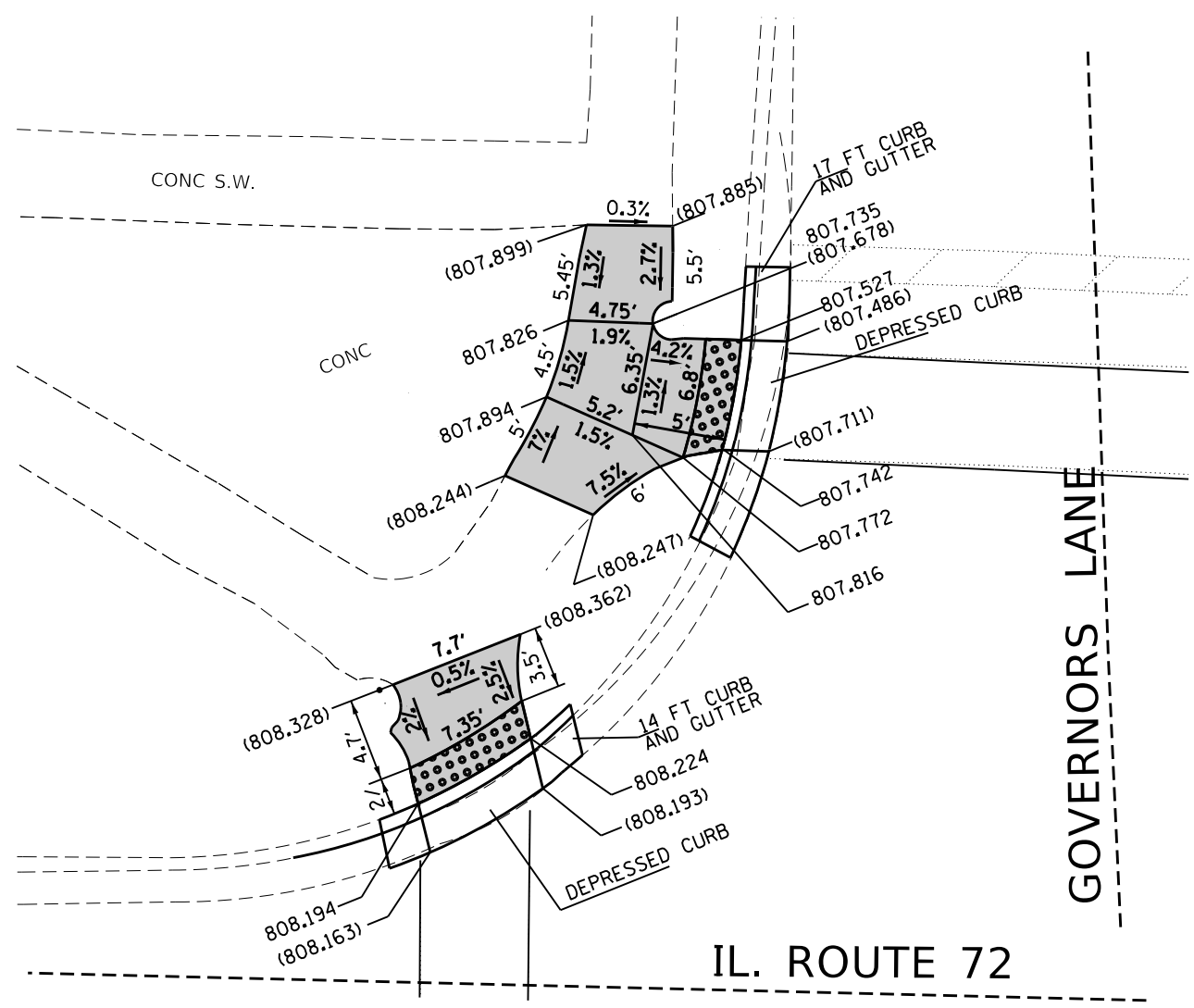
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 BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. EAST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)
 LOCATION: SOUTHEAST CORNER OF SHOE FACTORY RD AND IL 72 (HIGGINS RD)

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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/11/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL ROUTE 72 (HIGGINS RD) (KANE COUNTY LINE TO GLEN LAKE RD)
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 2018-070-RS	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 30
CONTRACT NO. 62H21				ILLINOIS FED. AID PROJECT



REFERENCE BENCHMARK ELEVATION 808.879
 BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. WEST CORNER OF IL 72 (HIGGINS RD) AND MOON LAKE BLVD/GOVERNORS LANE
 LOCATION: NORTHWEST CORNER OF GOVERNORS LANE AND IL 72 (HIGGINS RD)

LEGEND

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

REFERENCE BENCHMARK ELEVATION 808.879
 BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. WEST CORNER OF IL 72 (HIGGINS RD) AND MOON LAKE BLVD/GOVERNORS LANE
 LOCATION: NORTHEAST CORNER OF GOVERNORS LANE AND IL 72 (HIGGINS RD)

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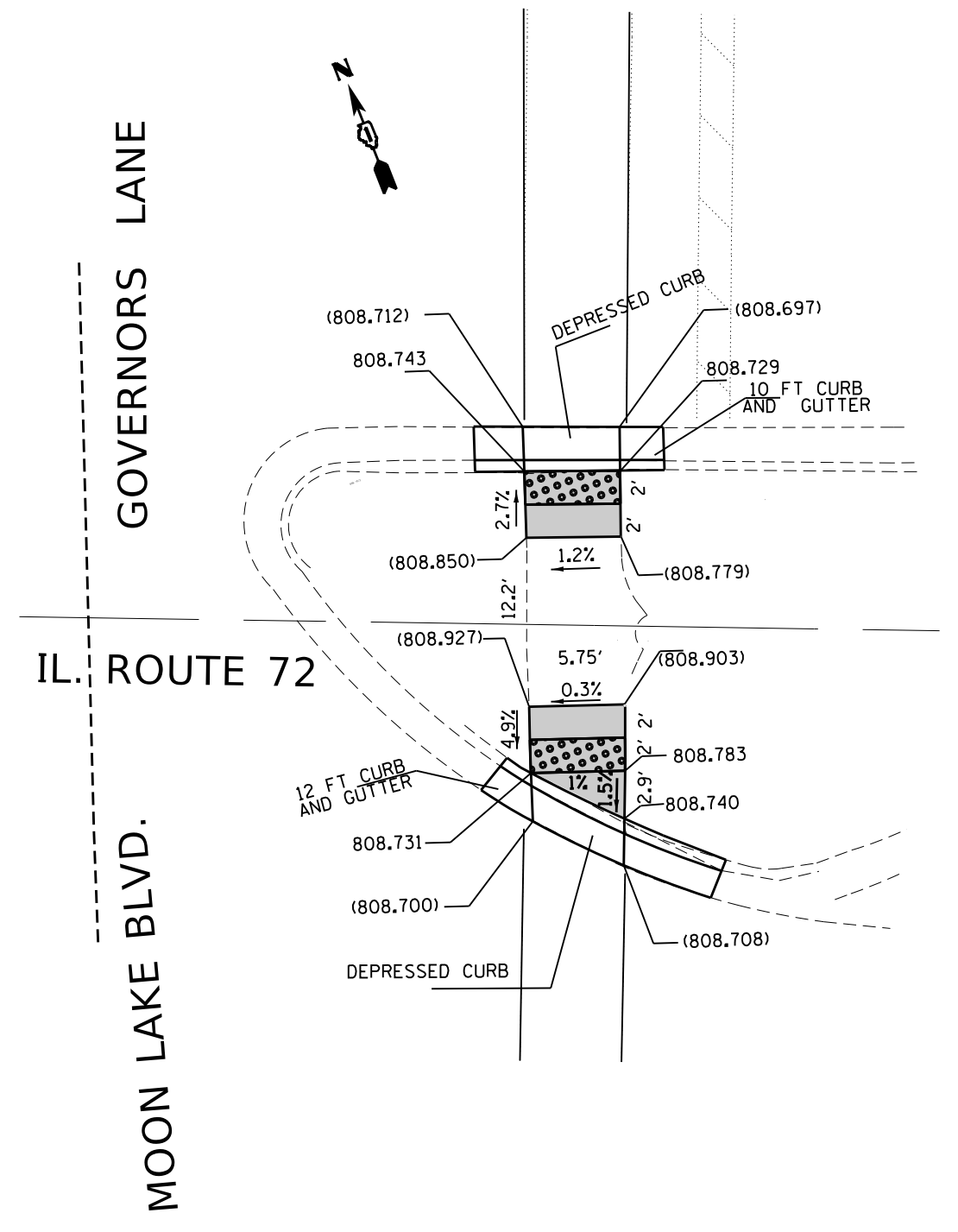
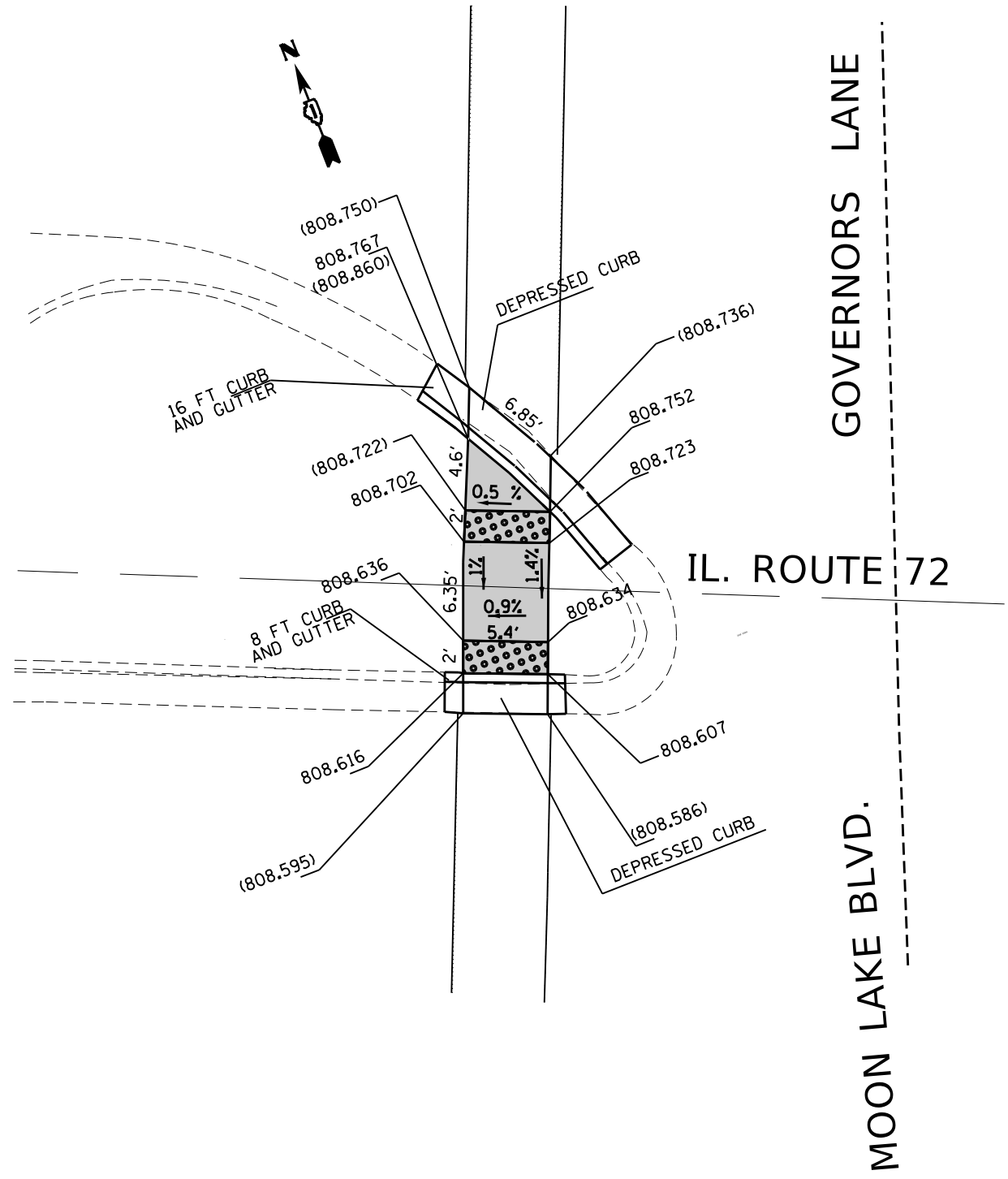
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 IL ROUTE 72 (HIGGINS RD) (KANE COUNTY LINE TO GLEN LAKE RD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	31
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEVATION 808.879
 BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. WEST CORNER OF IL 72 (HIGGINS RD) AND MOON LAKE BLVD/GOVERNORS LANE
 LOCATION: WEST SIDE MEDIAN OF GOVERNORS LANE / MOON LAKE BLVD AND IL 72 (HIGGINS RD)

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION 808.879
 BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. WEST CORNER OF IL 72 (HIGGINS RD) AND MOON LAKE BLVD/GOVERNORS LANE
 LOCATION: EAST SIDE MEDIAN OF GOVERNORS LANE / MOON LAKE BLVD AND IL 72 (HIGGINS RD)

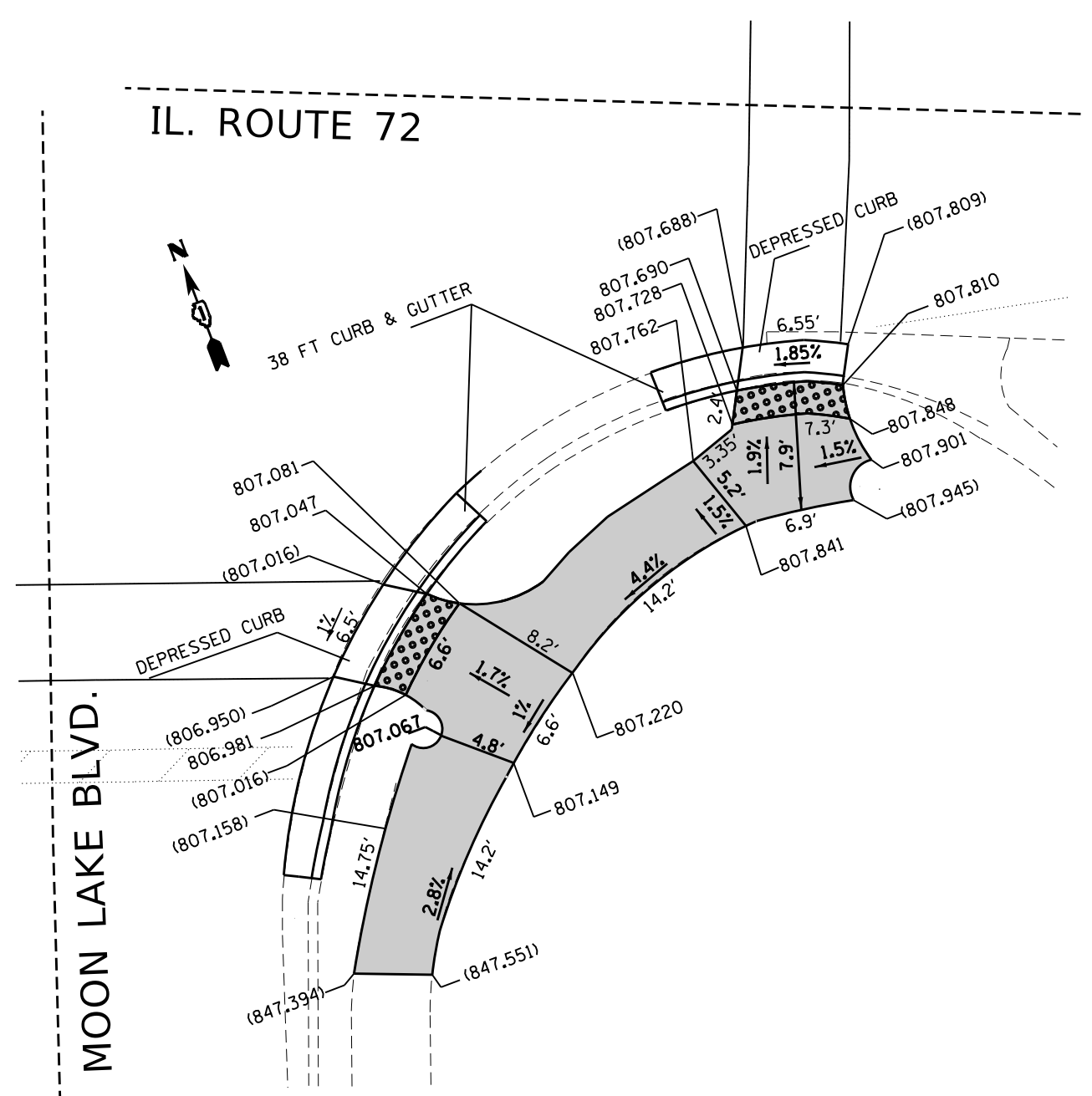
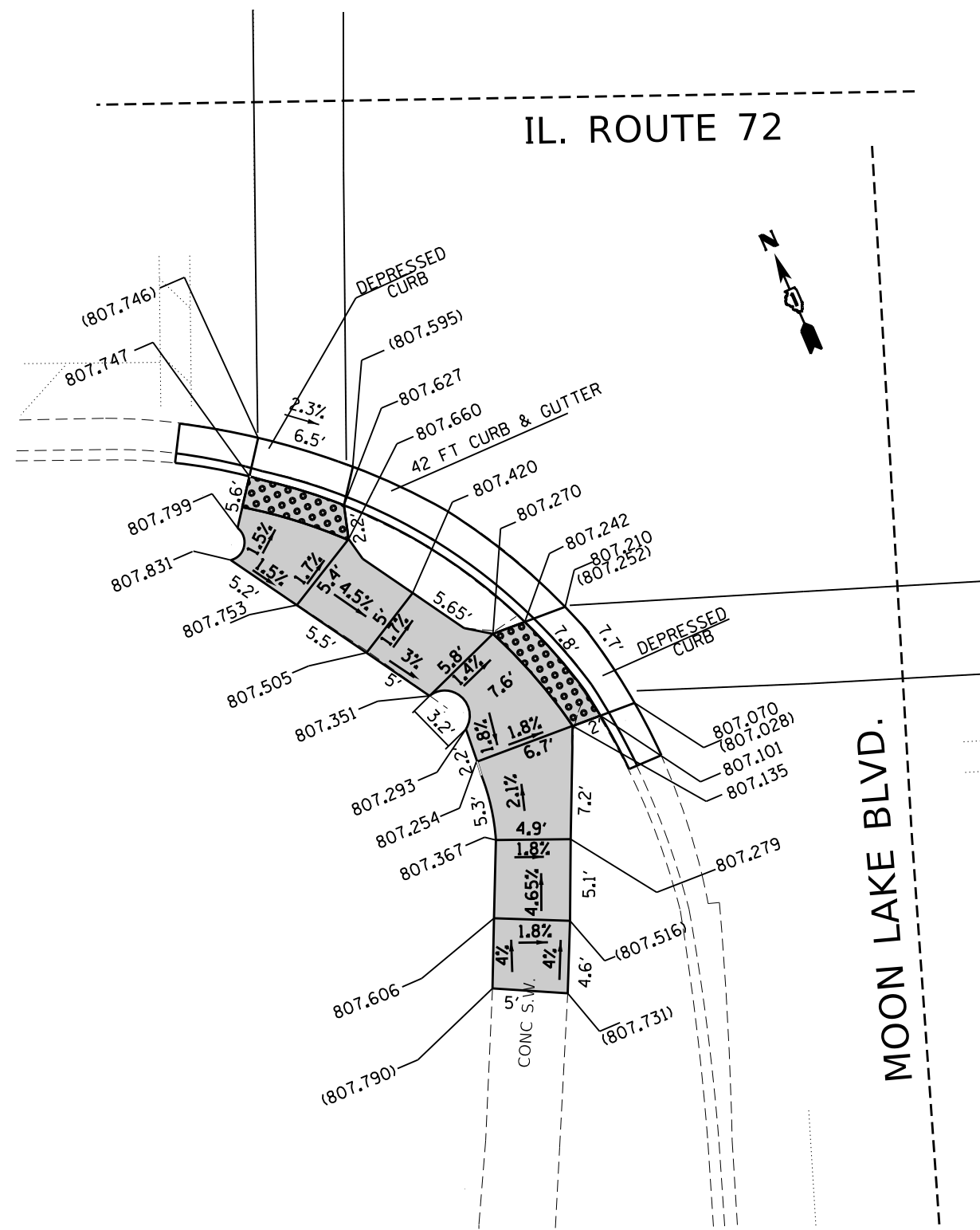
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PLOT DATE = 9/11/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 IL ROUTE 72 (HIGGINS RD) (KANE COUNTY LINE TO GLEN LAKE RD)

F.A.P. RTE. 341	SECTION 2018-070-RS	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 32
CONTRACT NO. 62H221				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEVATION 808.879

BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. WEST CORNER OF IL 72 (HIGGINS RD) AND MOON LAKE BLVD/GOVERNORS LANE

LOCATION: SOUTHWEST CORNER OF MOON LAKE BLVD AND IL 72 (HIGGINS RD)

LEGEND

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

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

REFERENCE BENCHMARK ELEVATION 808.879

BENCHMARK : ON SW CORNER OF TRAFFIC CONTROL BOX AT N. WEST CORNER OF IL 72 (HIGGINS RD) AND MOON LAKE BLVD/GOVERNORS LANE

LOCATION: SOUTHEAST CORNER OF MOON LAKE BLVD AND IL 72 (HIGGINS RD)

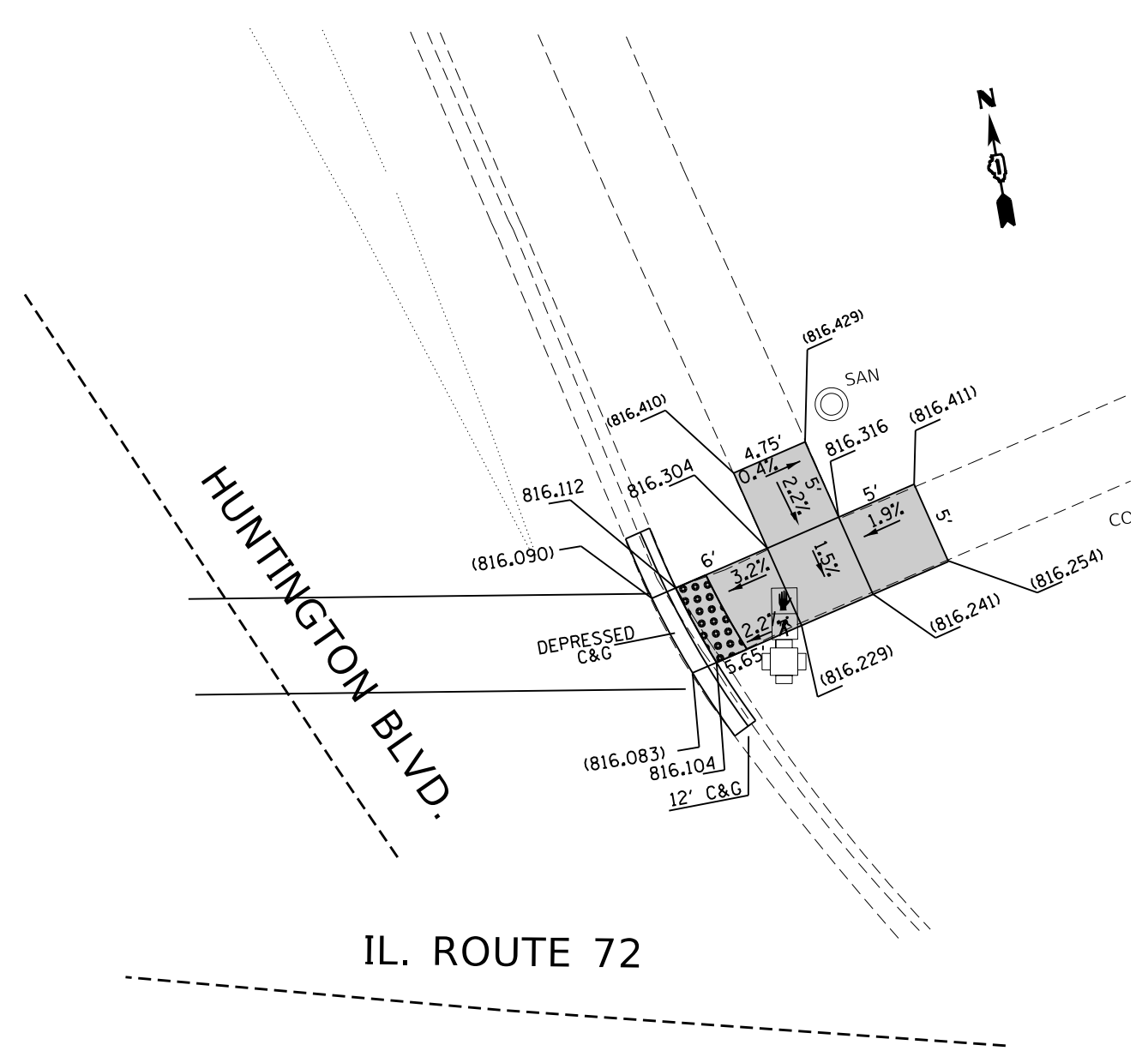
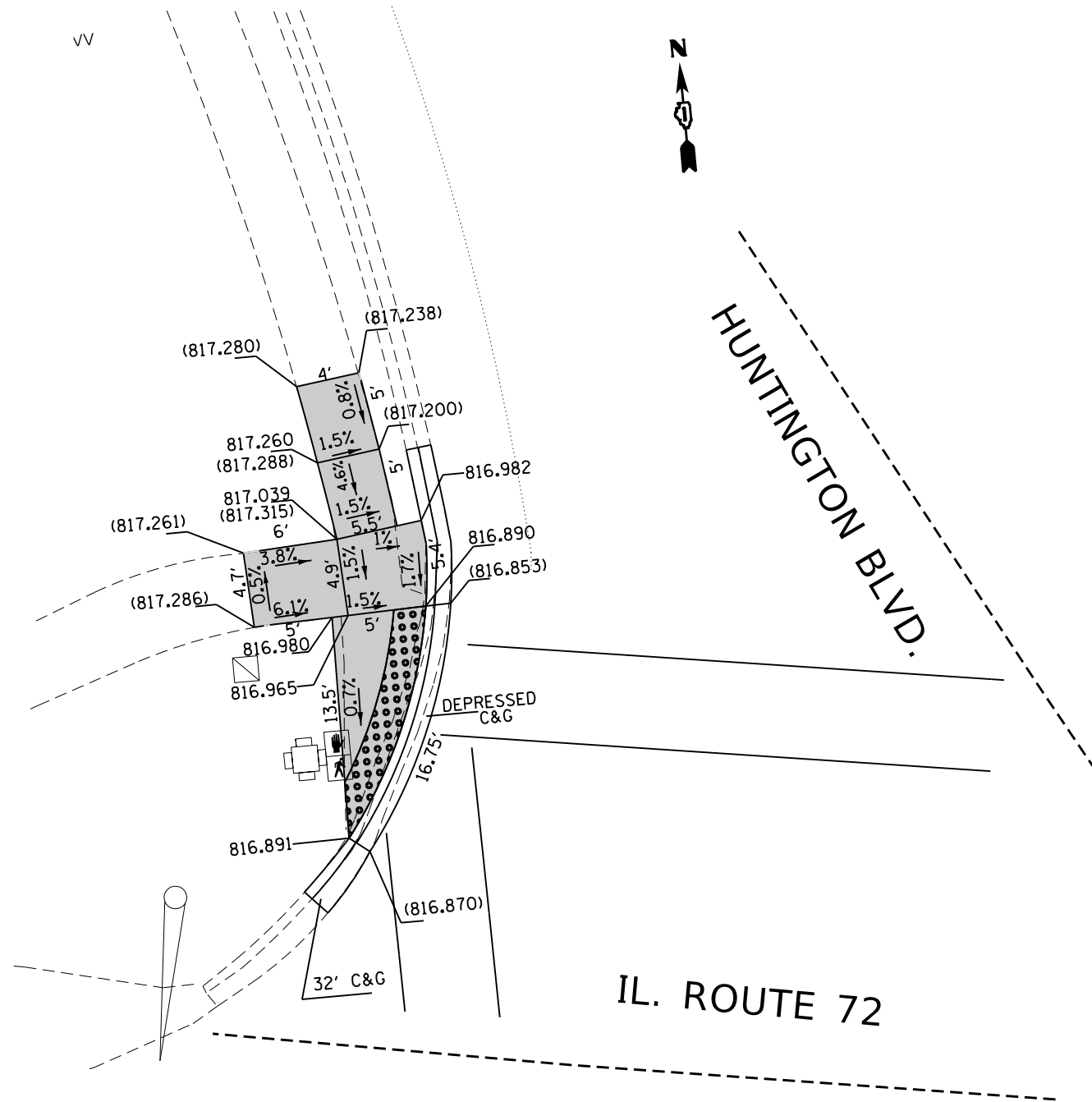
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PLOT DATE = 9/16/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
IL ROUTE 72 (HIGGINS RD) - (KANE COUNTY LINE TO GLEN LAKE RD)**

F.A.P. RTE. 341	SECTION 2018-070-RS	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 33
CONTRACT NO. 62H21				
<small>ILLINOIS FED. AID PROJECT</small>				

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 9/16/2019 1:19:53 PM



REFERENCE BENCHMARK ELEVATION 816.200
 BENCHMARK : IN SW CORNER CONCRETE BASE OF TRAFFIC CONTROL BOX IN THE
 NORTHEAST CORNER OF IL 72 (HIGGINS RD) AND HUNTINGTON BLVD
 LOCATION: NORTHWEST CORNER OF HUNTINGTON BLVD AND IL 72 (HIGGINS RD)

LEGEND

xx.xx'	EXISTING LENGTH	[Solid Gray Box]	PROPOSED SIDEWALK
====	PROPOSED SIDE CURB	[Dotted Box]	DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE	[Cross-hatched Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEVATION 816.200
 BENCHMARK : IN SW CORNER CONCRETE BASE OF TRAFFIC CONTROL BOX IN THE
 NORTHEAST CORNER OF IL 72 (HIGGINS RD) AND HUNTINGTON BLVD
 LOCATION: NORTHEAST CORNER OF HUNTINGTON BLVD AND IL 72 (HIGGINS RD)

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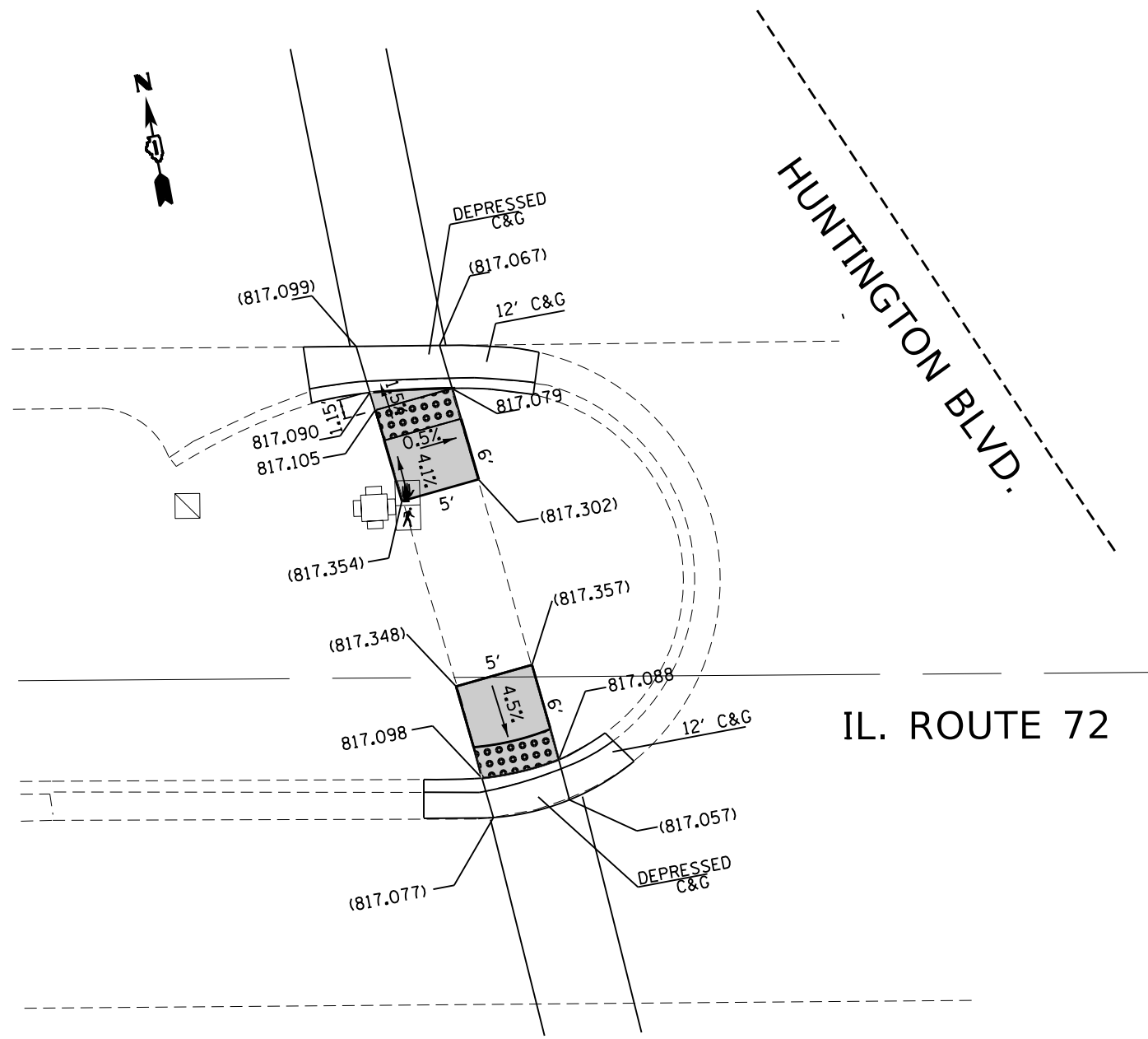
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL ROUTE 72 (HIGGINS RD) (KANE COUNTY LINE TO GLEN LAKE RD)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	34
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



IL. ROUTE 72

HUNTINGTON BLVD.

REFERENCE BENCHMARK ELEVATION 816.200
 BENCHMARK : IN SW CORNER CONCRETE BASE OF TRAFFIC CONTROL BOX IN THE
 NORTHEAST CORNER OF IL 72 (HIGGINS RD) AND HUNTINGTON BLVD
 LOCATION: EAST SIDE MEDIAN OF HUNTINGTON BLVD AND IL 72 (HIGGINS RD)

LEGEND

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

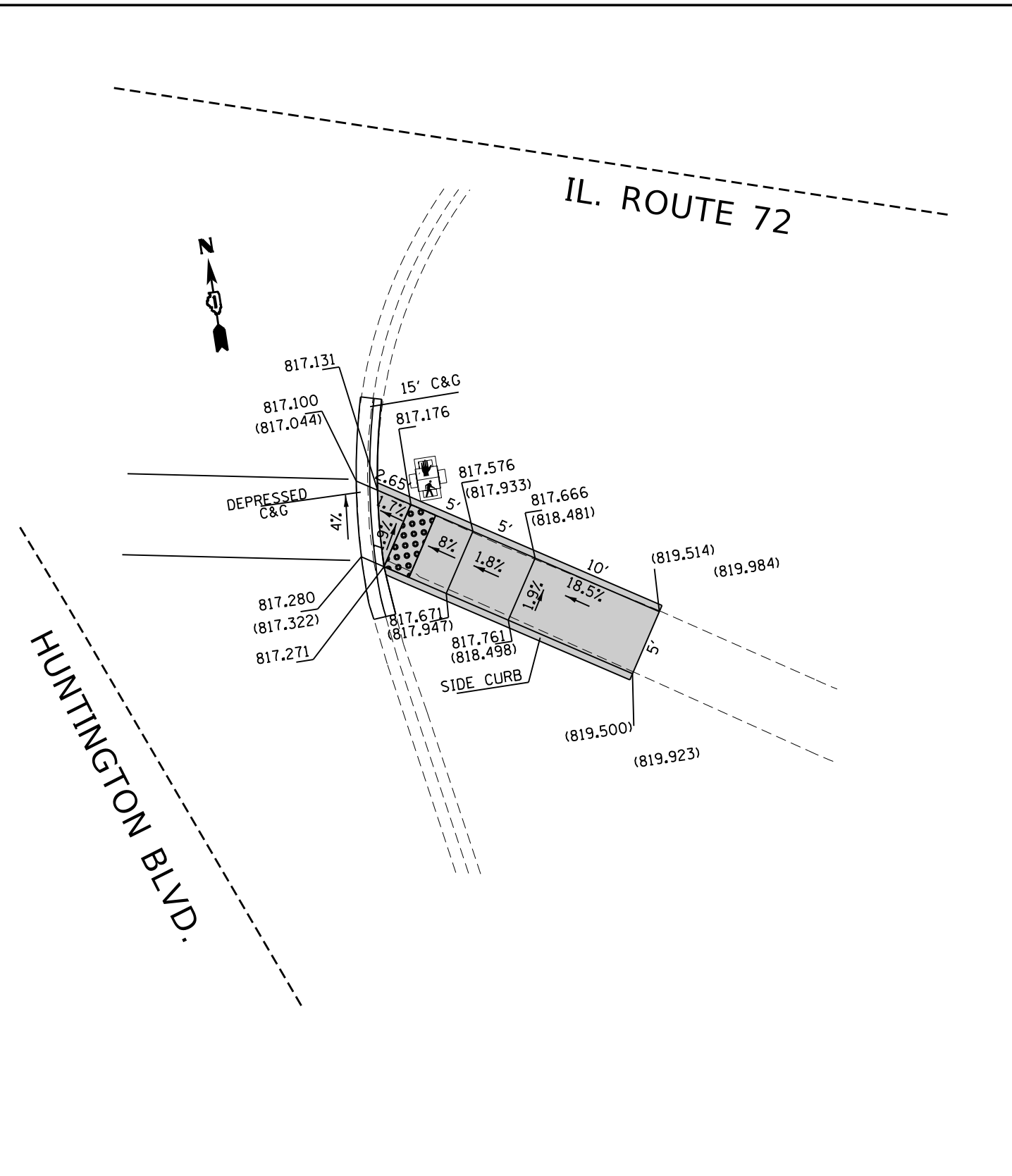
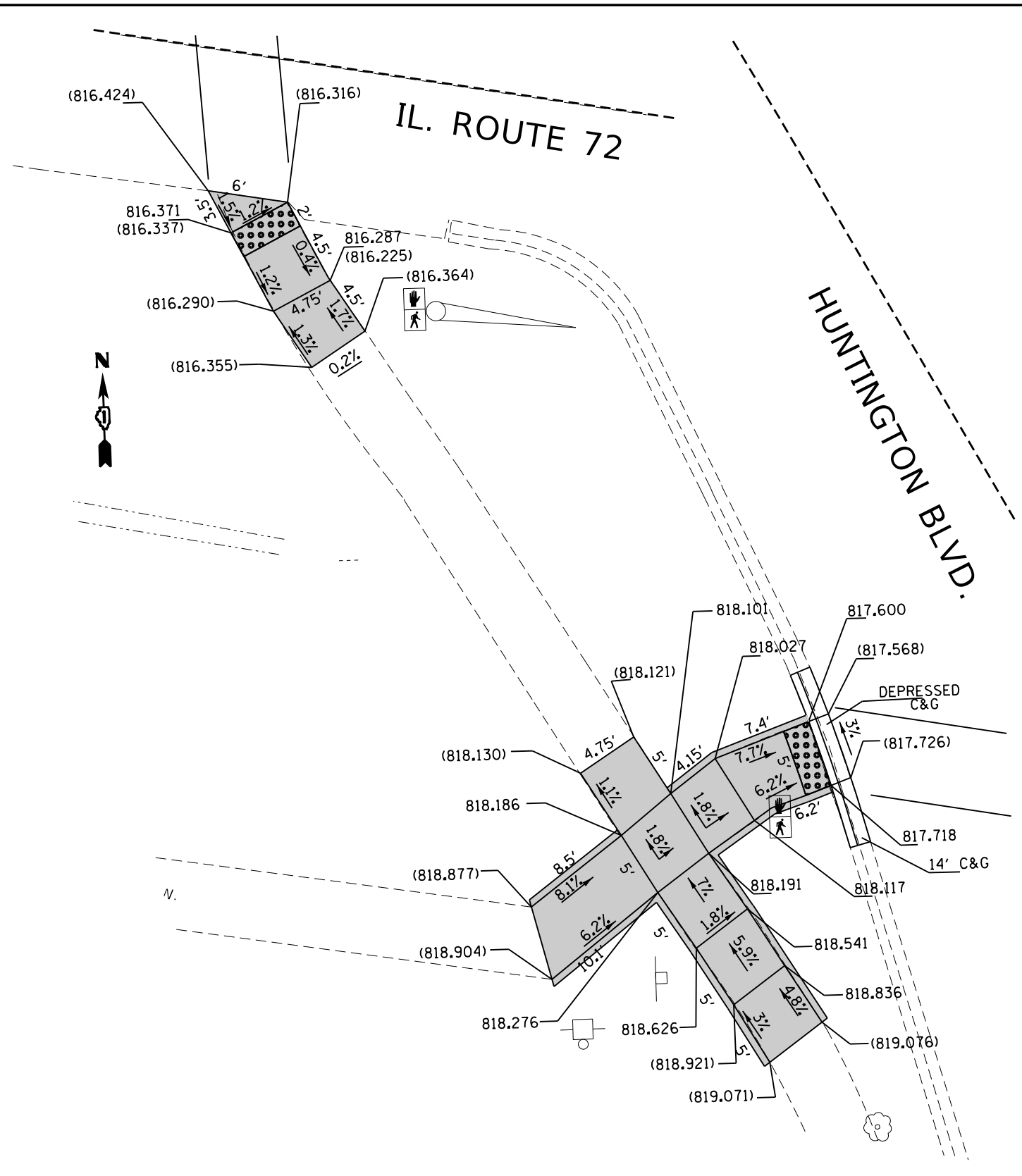
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PLOT DATE = 9/12/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
IL ROUTE 72 (HIGGINS RD) (KANE COUNTY LINE TO GLEN LAKE RD)
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	34A
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEVATION 816.200

BENCHMARK : IN SW CORNER CONCRETE BASE OF TRAFFIC CONTROL BOX IN THE
NORTHEAST CORNER OF IL 72 (HIGGINS RD) AND HUNTINGTON BLVD

LOCATION: SOUTHWEST CORNER OF HUNTINGTON BLVD AND IL 72 (HIGGINS RD)

LEGEND

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

REFERENCE BENCHMARK ELEVATION 816.200

BENCHMARK : IN SW CORNER CONCRETE BASE OF TRAFFIC CONTROL BOX IN THE
NORTHEAST CORNER OF IL 72 (HIGGINS RD) AND HUNTINGTON BLVD

LOCATION: SOUTHWEST CORNER OF HUNTINGTON BLVD AND IL 72 (HIGGINS RD)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN
IL ROUTE 72 (HIGGINS RD) (KANE COUNTY LINE TO GLEN LAKE RD)

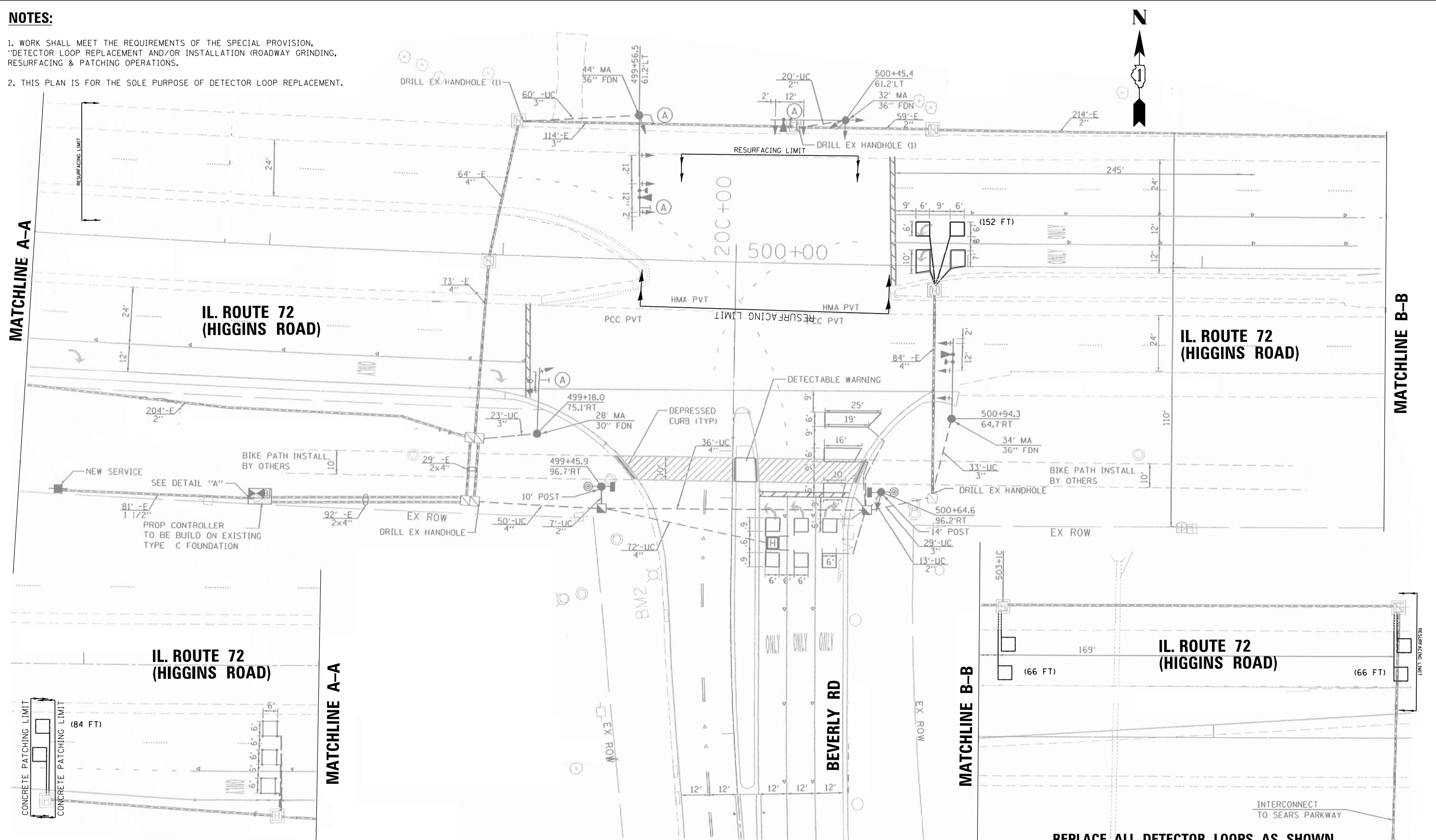
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PLOT DATE = 9/11/2019	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	34B
CONTRACT NO. 62H21				
ILLINOIS FED. AID PROJECT				

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NOTES:

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	368	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -
S:\WP\Design\JJ\1. Detector Loops\5. 62H21	IL 72\MicroStation\62H21 - IL 72 Higgins Rd	FOR Loop Replacement Plans.dgn	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

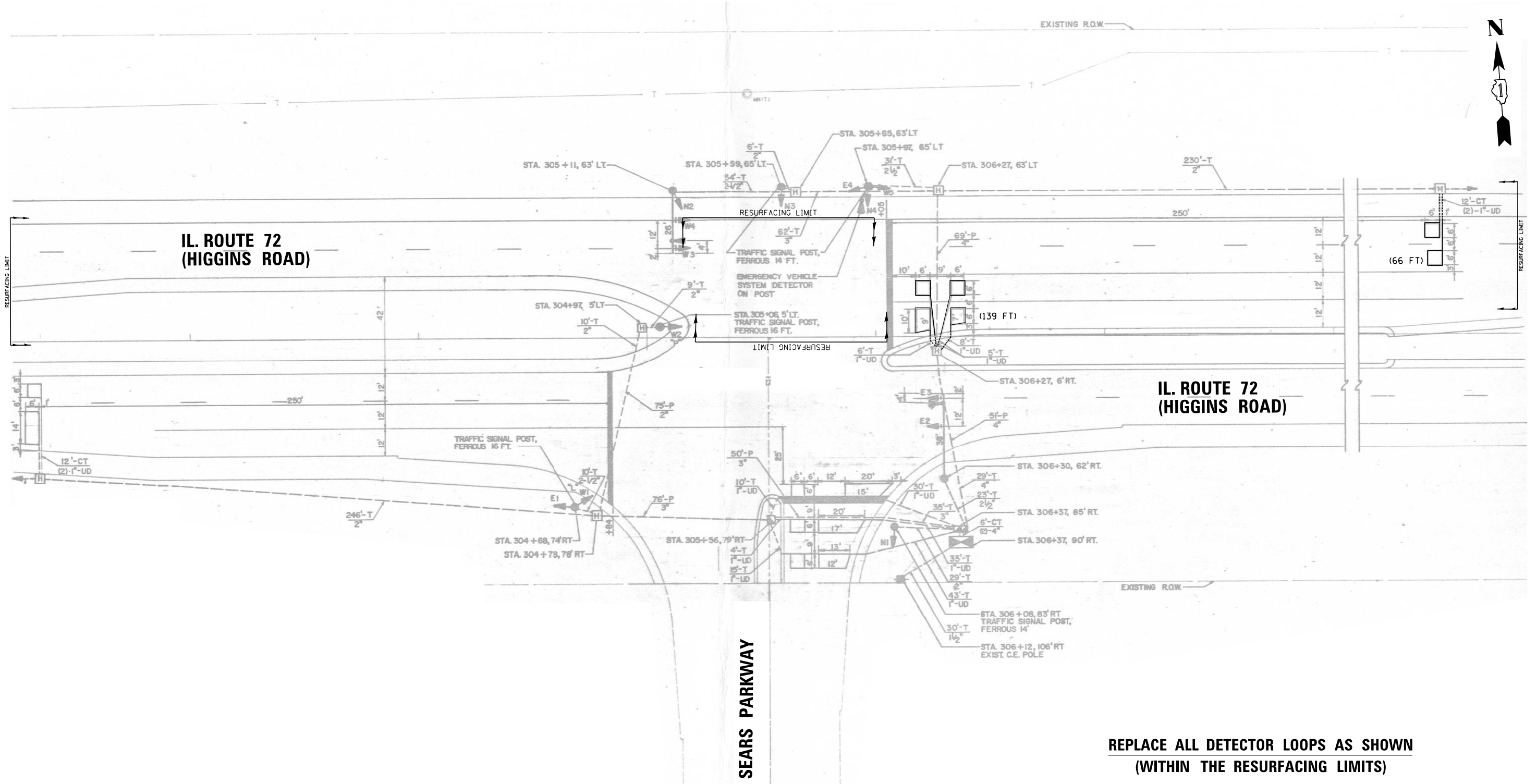
**DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	35
CONTRACT NO. 62H21			ILLINOIS FED. AID PROJECT	

NOTES:

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	205	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -
S:\WP\Design\JJ\1.Detector Loops\5.62H21	IL 72\MicroStation\62H21 - IL 72 Higgins Rd\Drawn for Loop Replacement Plans.dgn	CHECKED - SN	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 5/23/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

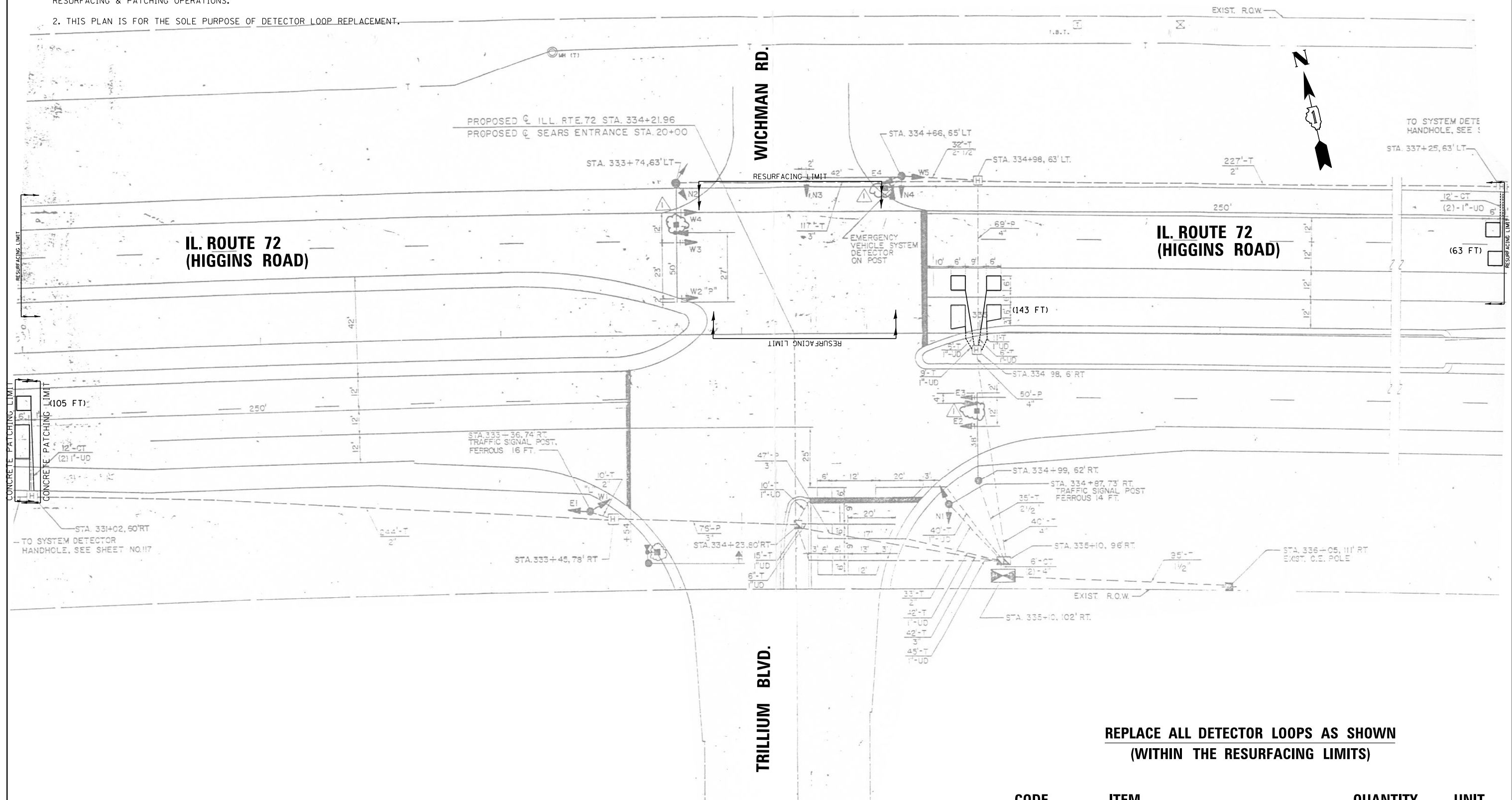
**DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	36
				CONTRACT NO. 62H21
ILLINOIS FED. AID PROJECT				

NOTES:

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



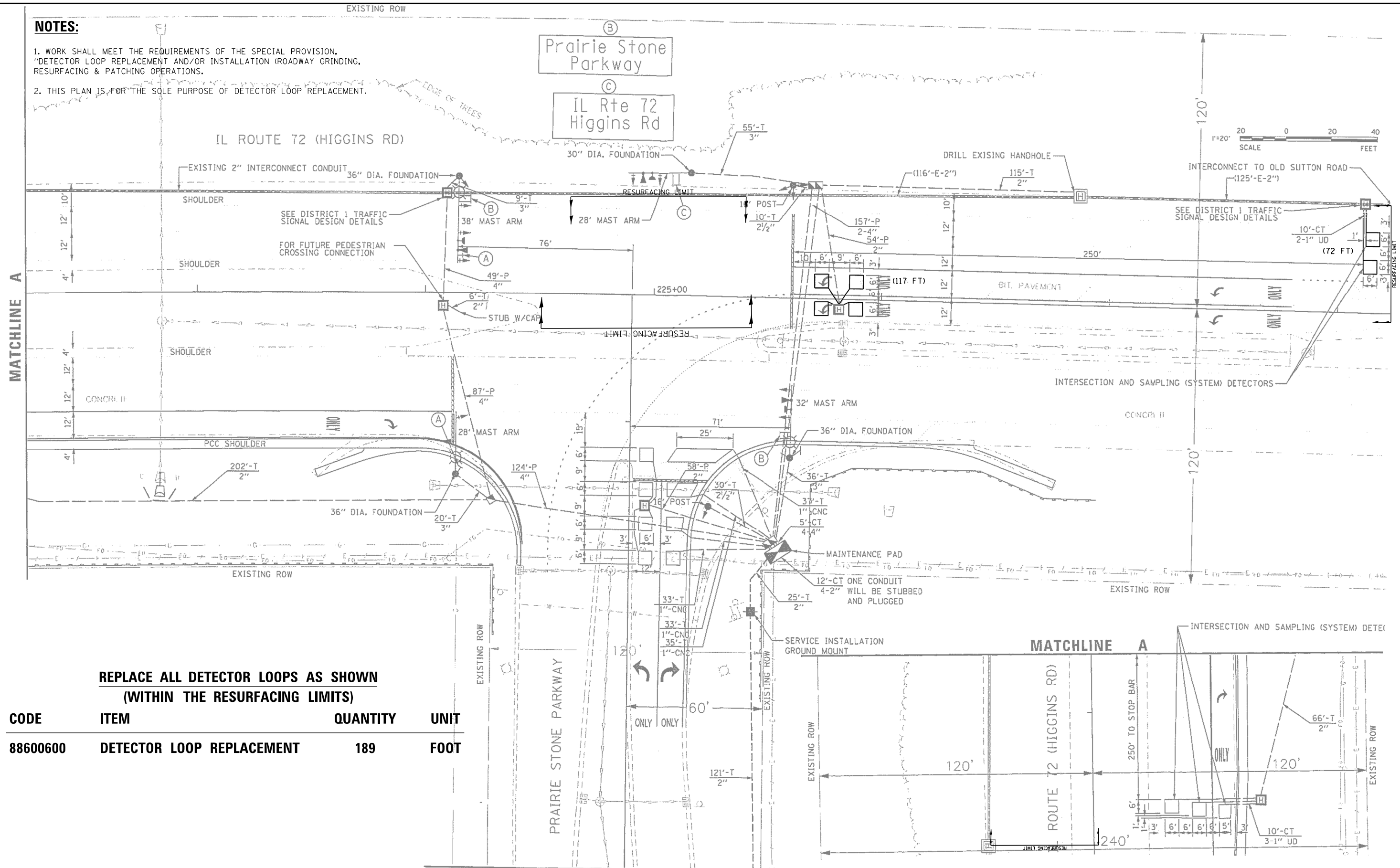
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	311	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\JN\1. Detector Loops\5. 62H21	IL 72\MicroStation\62H21 - IL 72 (Higgins Rd) Detector Loop Replacement Plans.dgn	DRAWN	REVISED -			341	2018-070-RS	COOK	85	37	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62H21					
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -			ILLINOIS FED. AID PROJECT					

NOTES:

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	189	FOOT

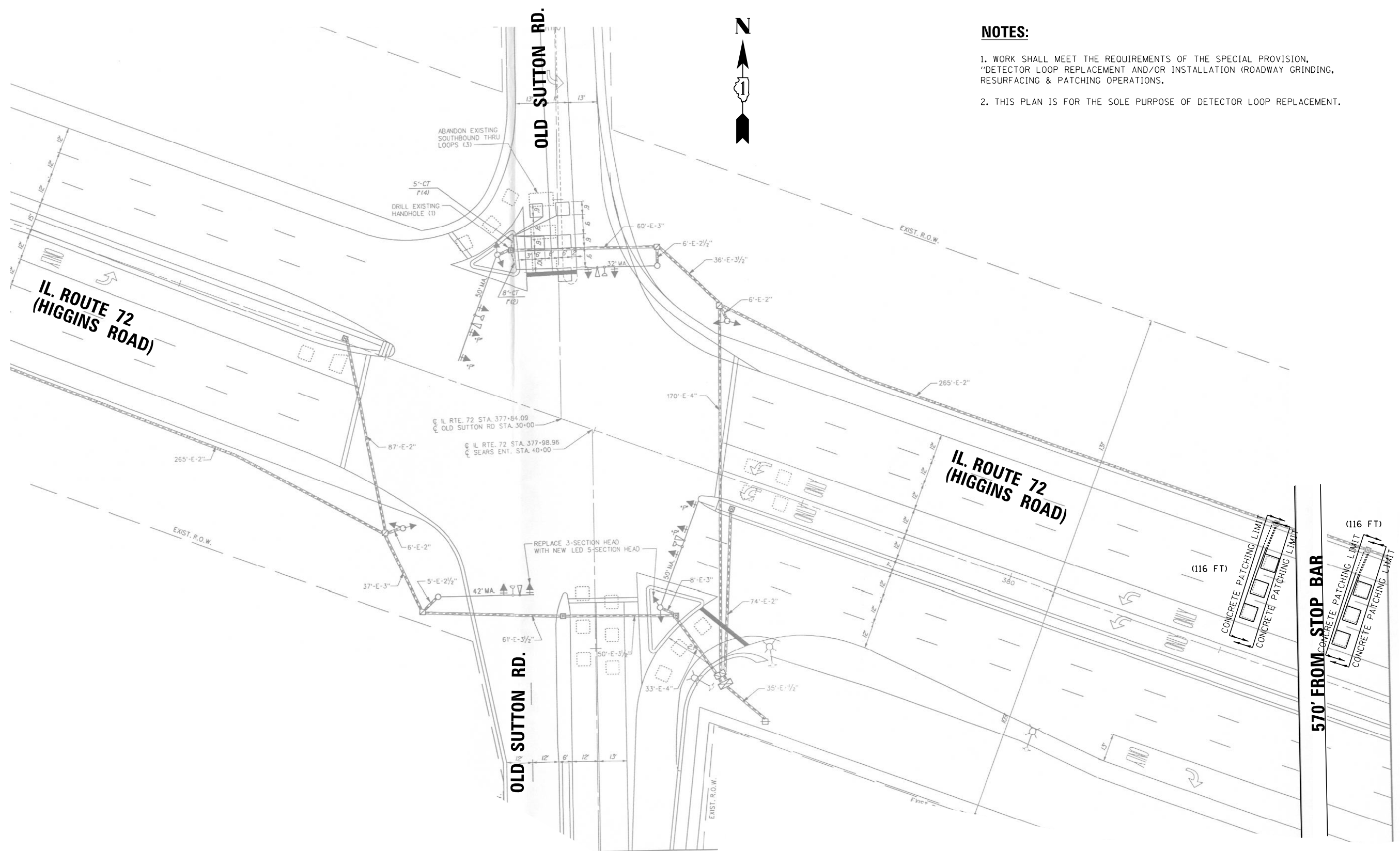
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	38
CONTRACT NO. 62H21				

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

ILLINOIS FED. AID PROJECT



NOTES:

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

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	232	FOOT

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Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.**

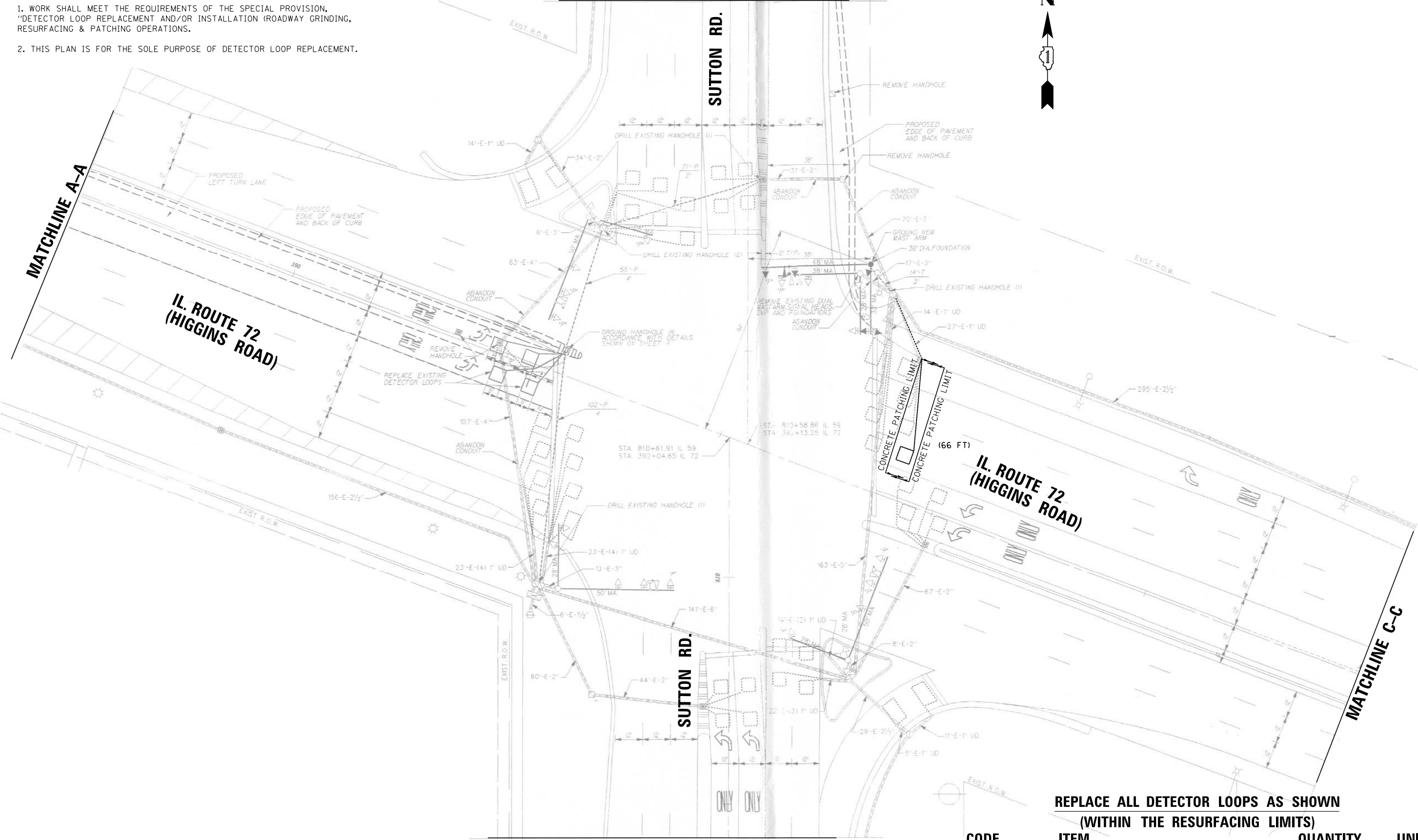
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	39	39
CONTRACT NO. 62H21			ILLINOIS FED. AID PROJECT	

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

NOTES:

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

MATCHLINE B-B



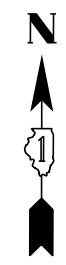
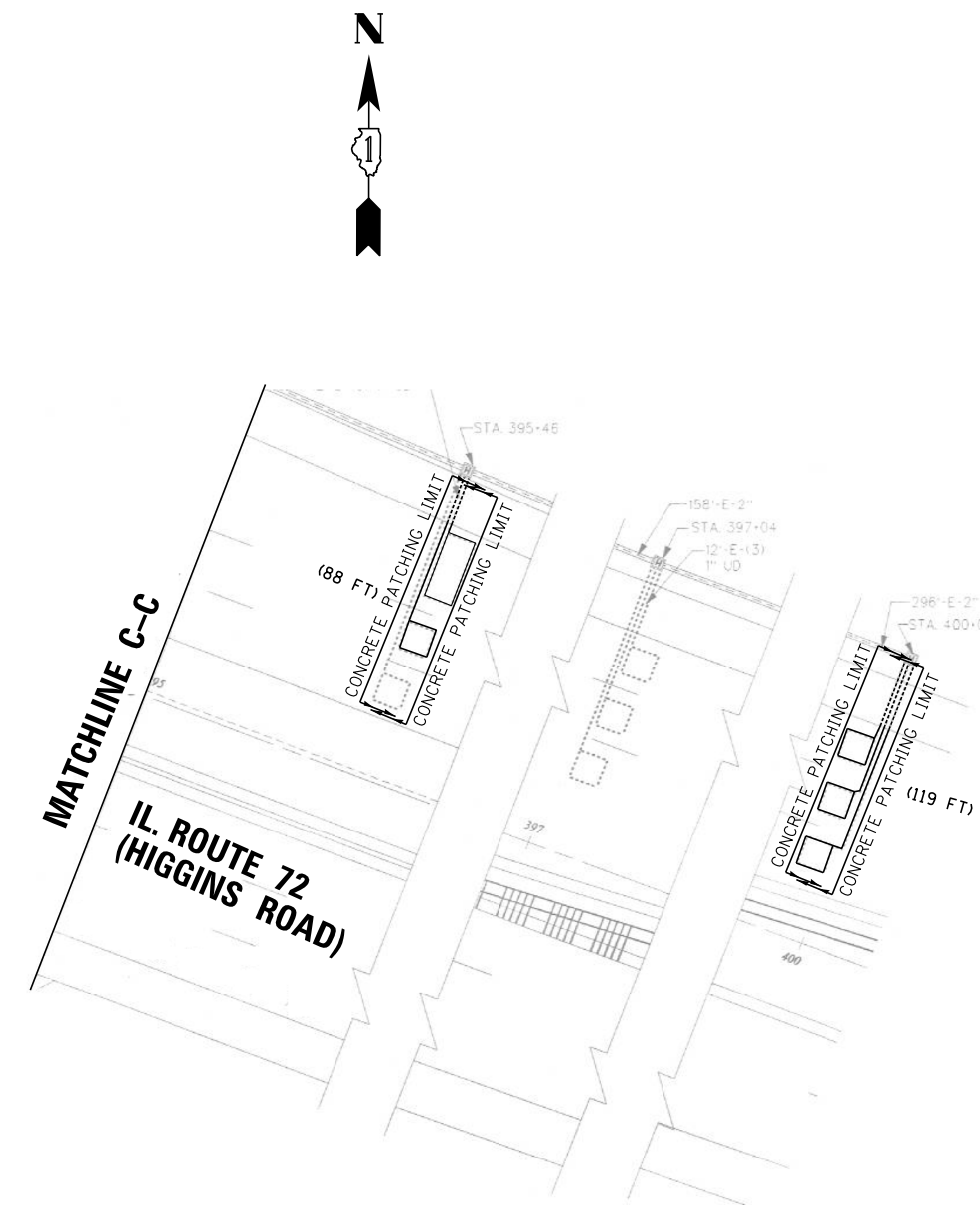
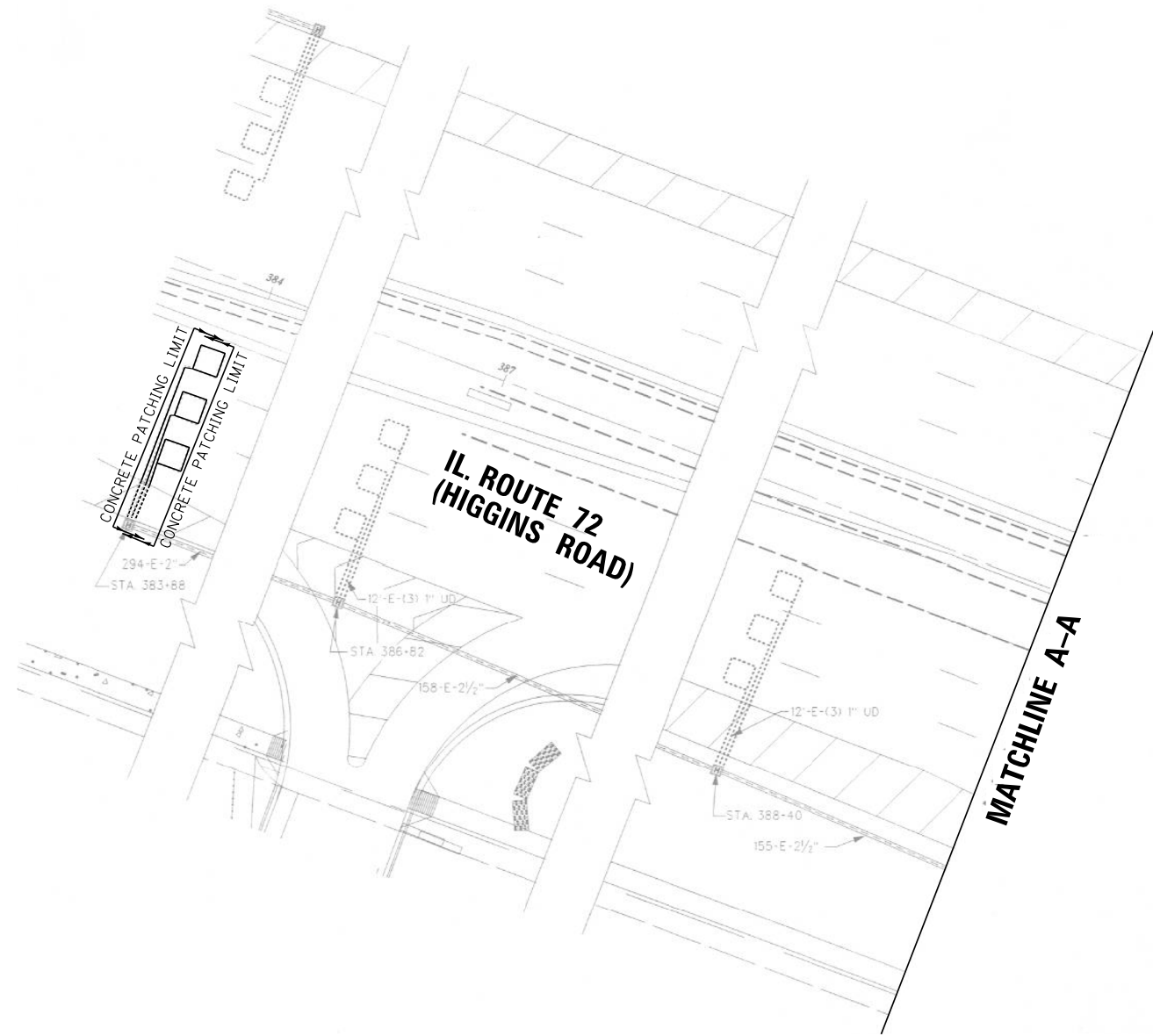
MATCHLINE D-D

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)			
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	66	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\JJ\1. Detector Loops\5. 62H21	IL 72\MicroStation\62H21 - IL 72 (Higgins Rd)\Drawings\Loop Replacement Plans.dgn	DRAWN	REVISED -			341	2018-070-RS	COOK	85	40	
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	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -			ILLINOIS FED. AID PROJECT					

NOTES:

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



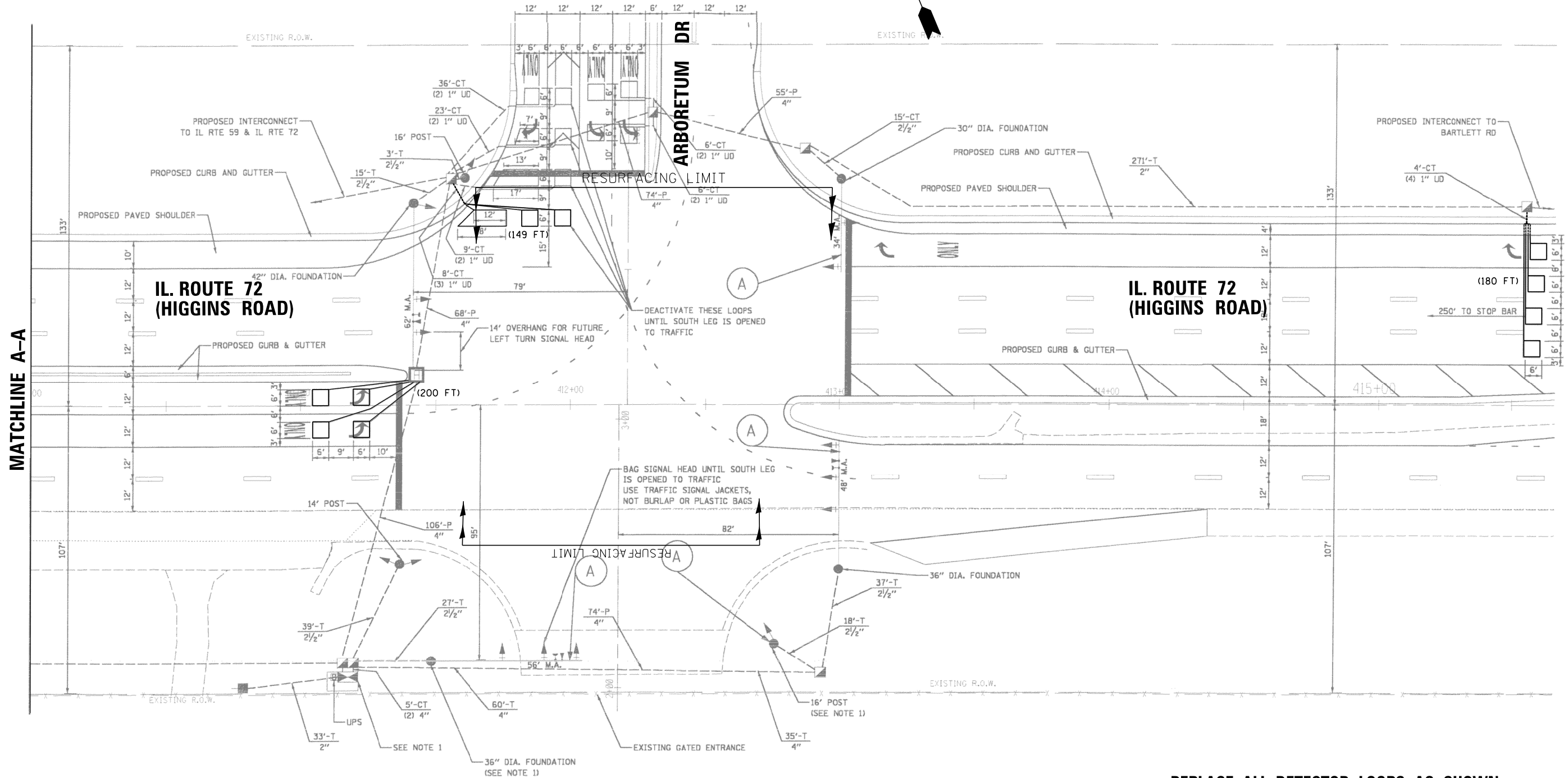
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	207	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\JJ\1. Detector Loops\5. 62H21	IL 72\MicroStation\62H21 - IL 72 Higgins Rd\Drawings\Loop Replacement Plans.dgn	DRAWN	REVISED -			341	2018-070-RS	COOK	85	41
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62H21				
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -			ILLINOIS FED. AID PROJECT				

NOTES:

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	529	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	DATE - 5/23/2019	REVISED -
	PLOT DATE = 5/30/2019		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

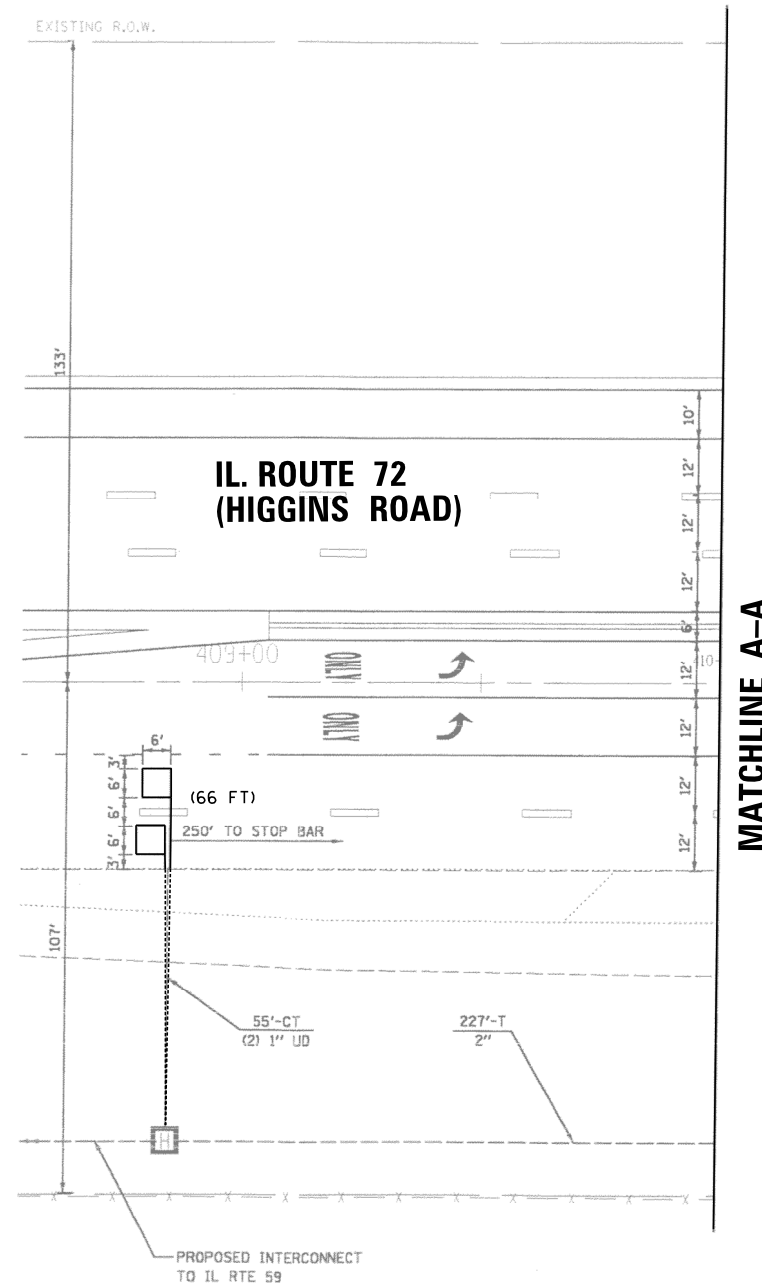
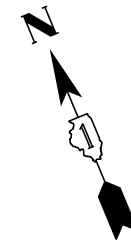
**DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	42
			CONTRACT NO. 62H21	
ILLINOIS FED. AID PROJECT				

NOTES:

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



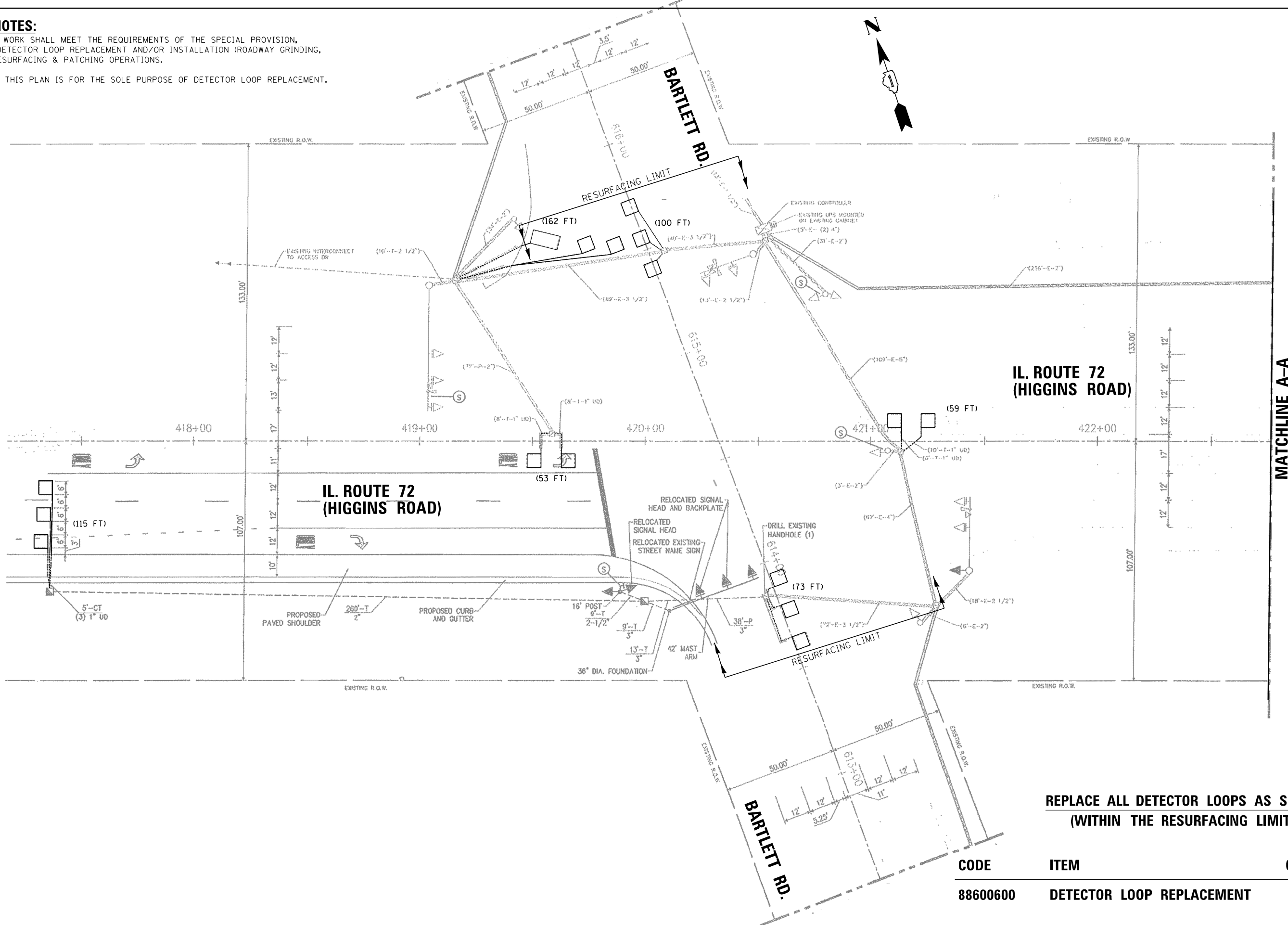
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	66	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -			SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____				

NOTES:

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



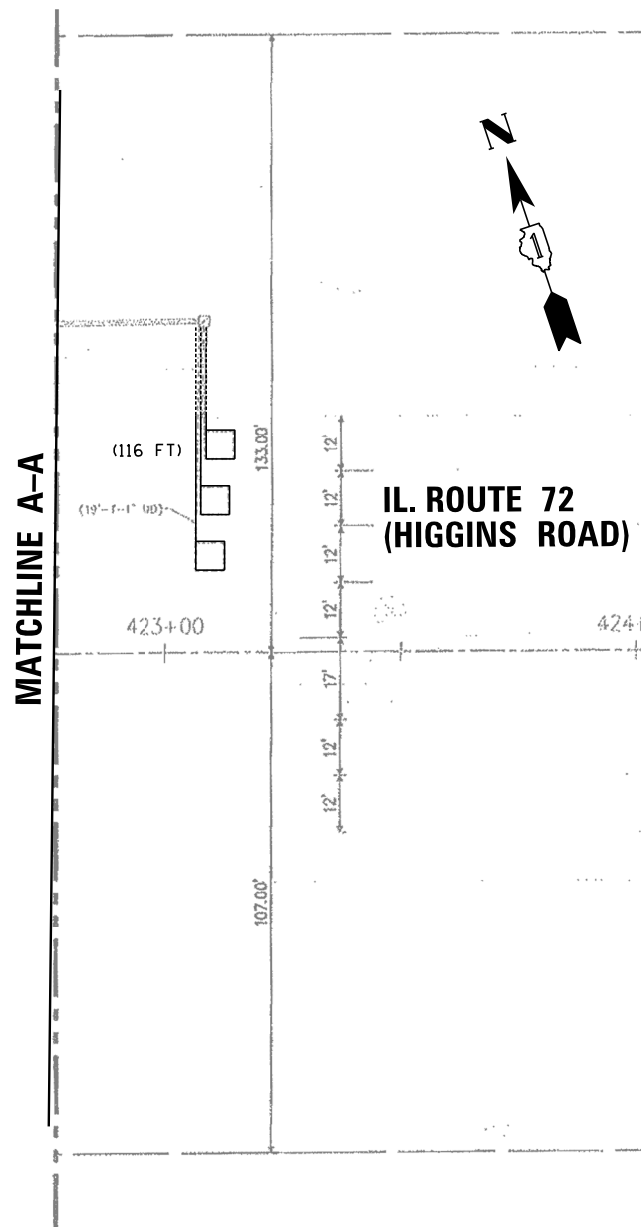
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	562	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\JJ\1. Detector Loops\5. 62H21	IL 72\MicroStation\62H21 - IL 72 (Higgins Rd) Detector Loop Replacement Plans.dgn	DRAWN	REVISED -			341	2018-070-RS	COOK	85	44	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62H21					
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -			ILLINOIS FED. AID PROJECT					

NOTES:

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



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

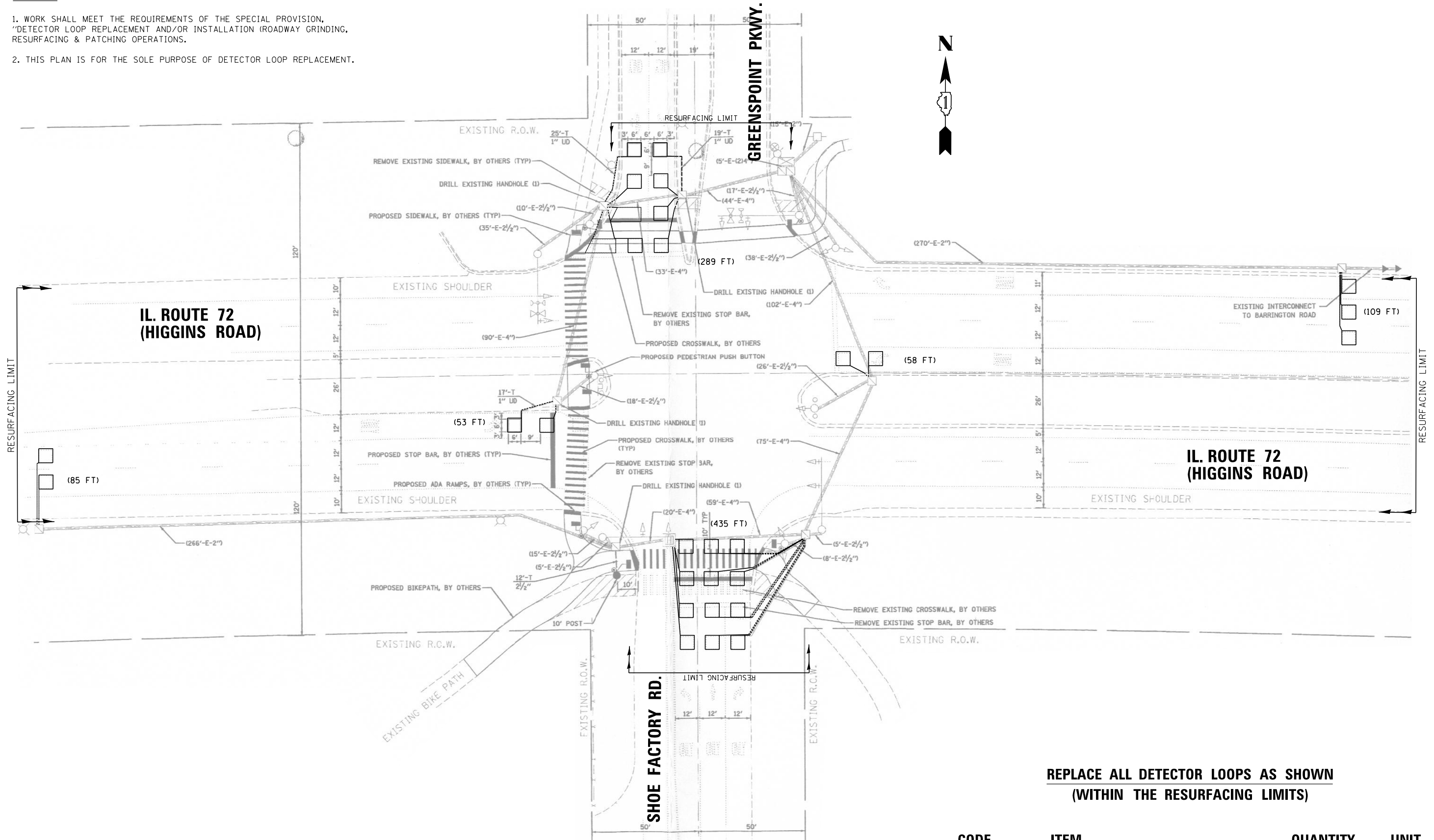
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	116	FOOT

FILE NAME = S:\WP\Design\JJ\1.Detector Loops\5.62H21	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	IL 72\MicroStation\62H21 - IL 72 (Higgins Rd) Detector Loop Replacement Plans.dgn	DRAWN	REVISED -			341	2018-070-RS	COOK	85	45	
	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62H21		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -			SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____					

REPLACE ALL DETECTOR LOOPS AS SHOWN

NOTES:

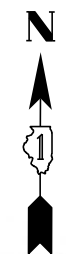
1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



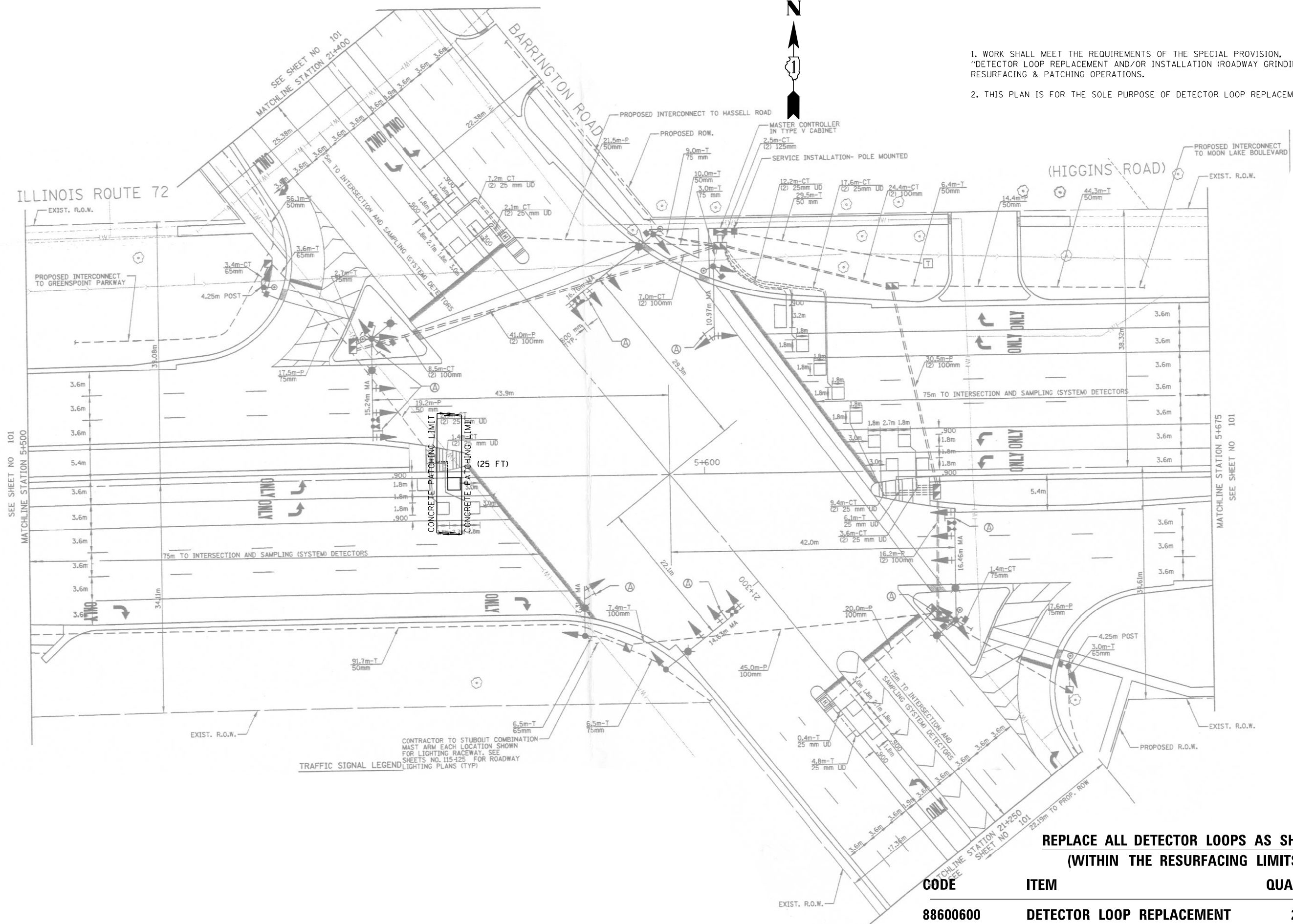
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	1029	FOOT

FILE NAME = S:\WP\Design\JJ\1. Detector Loops\5. 62H21	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE. = 341	SECTION = 2018-070-RS	COUNTY = COOK	TOTAL SHEETS = 85	SHEET NO. = 46	
Default	IL 72\MicroStation\62H21 - IL 72 Higgins Rd\Drawings\Loop Replacement Plans.dgn	DRAWN -	REVISED -			SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 62H21		ILLINOIS FED. AID PROJECT
	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -								
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -								



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



CONTRACTOR TO STUBOUT COMBINATION
 MASTER ARM EACH LOCATION SHOWN
 FOR LIGHTING RACEWAY. SEE
 SHEETS NO. 115-125 FOR ROADWAY
 LIGHTING PLANS (TYP)

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	25	FOOT

FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -
S:\WP\Design\JJ\1. Detector Loops\5. 62H21	IL 72\MicroStation\62H21 - IL 72 (Higgins Rd) Detector Loop Replacement Plans.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

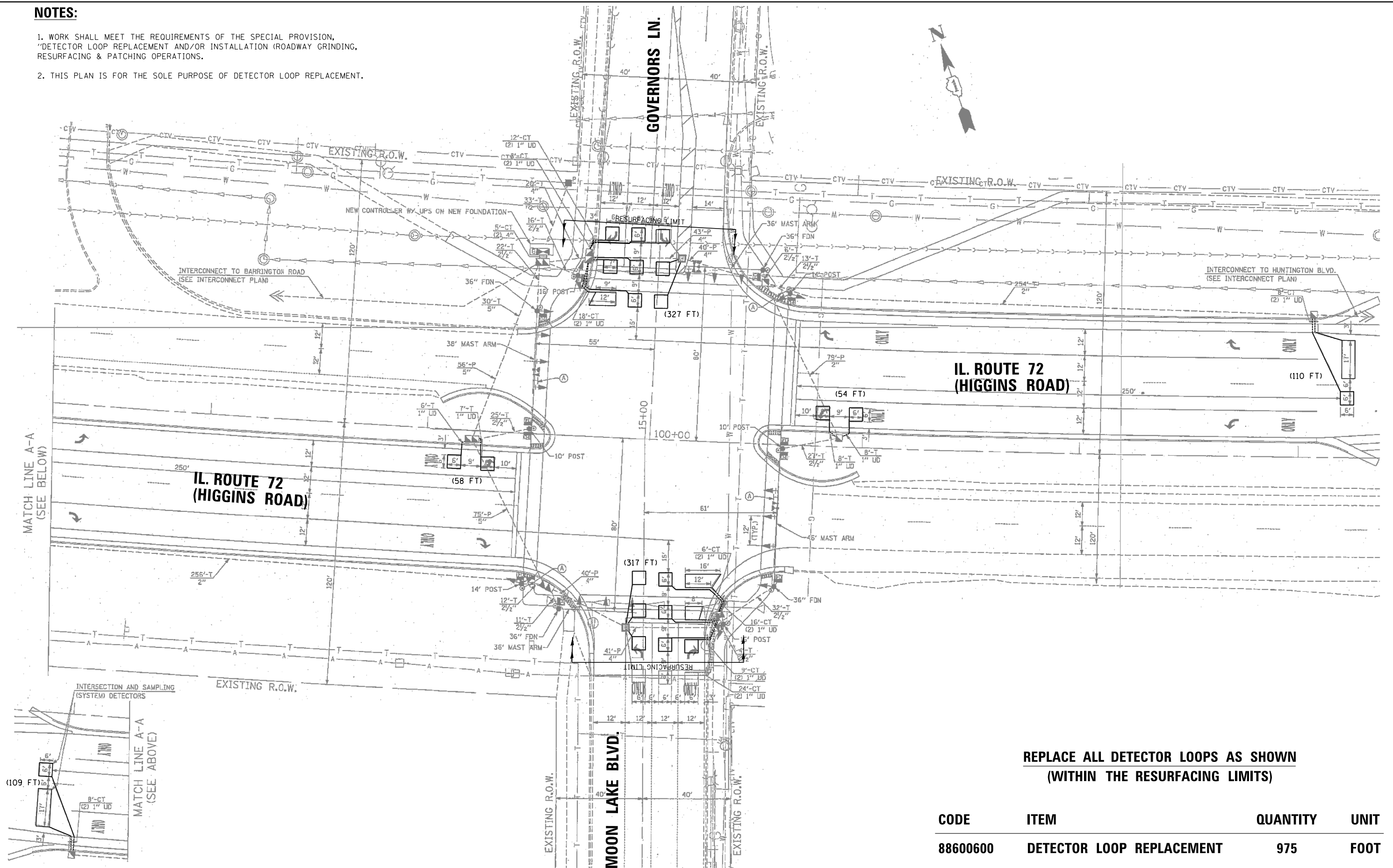
**DETECTOR LOOP REPLACEMENT PLAN
 IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	47
CONTRACT NO. 62H21			ILLINOIS FED. AID PROJECT	

NOTES:

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



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	975	FOOT

FILE NAME = S:\WP\Design\JJ\1. Detector Loops\5. 62H21	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -
Default	IL 72 MicroStation\62H21 - IL 72 Higgins Rd	CHECKED - SN	REVISED -
	PLOT SCALE = 40.0000' / in.	DATE - 5/23/2019	REVISED -

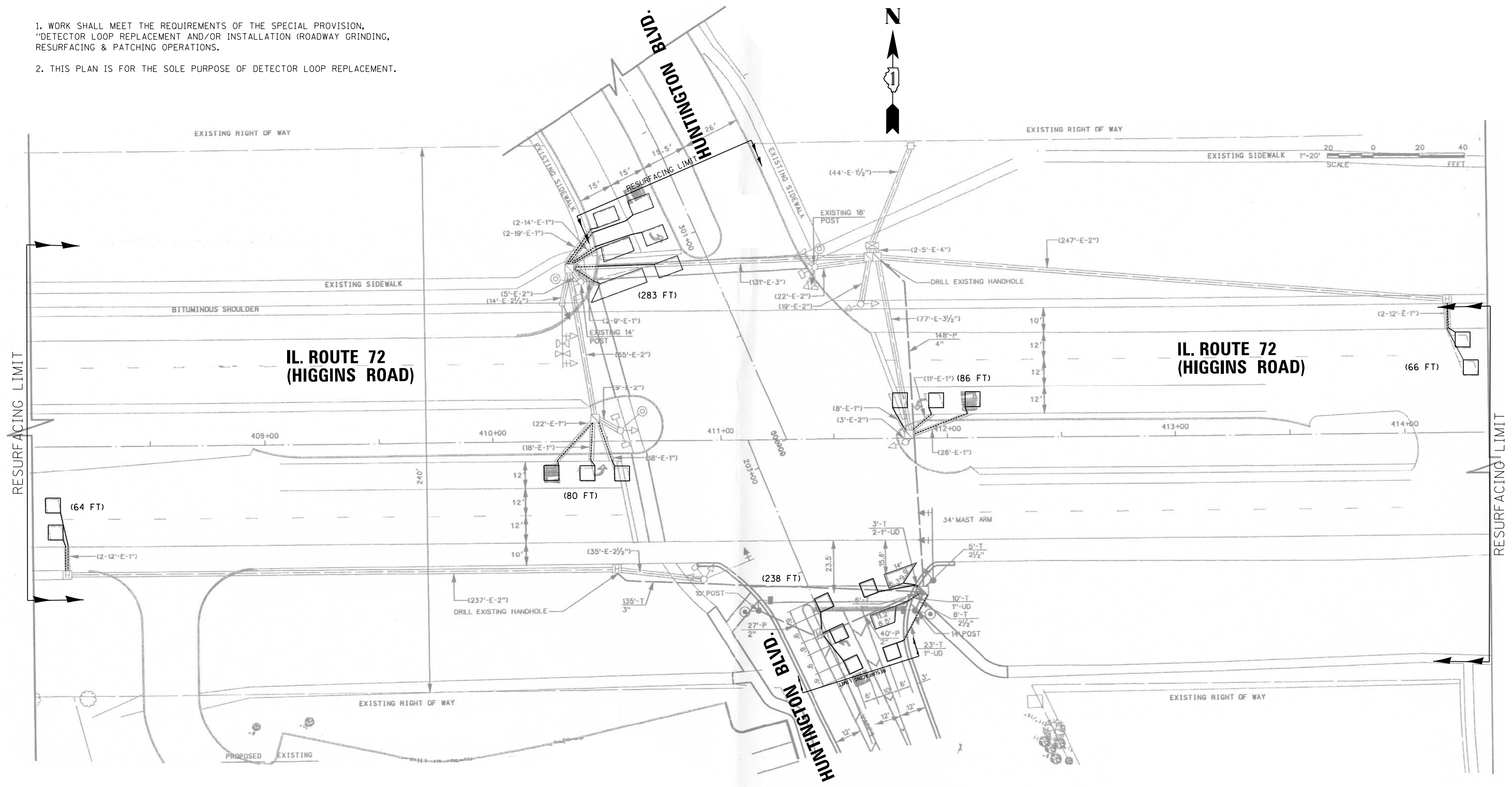
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.**

F.A.P. RTE. 341	SECTION 2018-070-RS	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 48
CONTRACT NO. 62H21				ILLINOIS FED. AID PROJECT

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

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



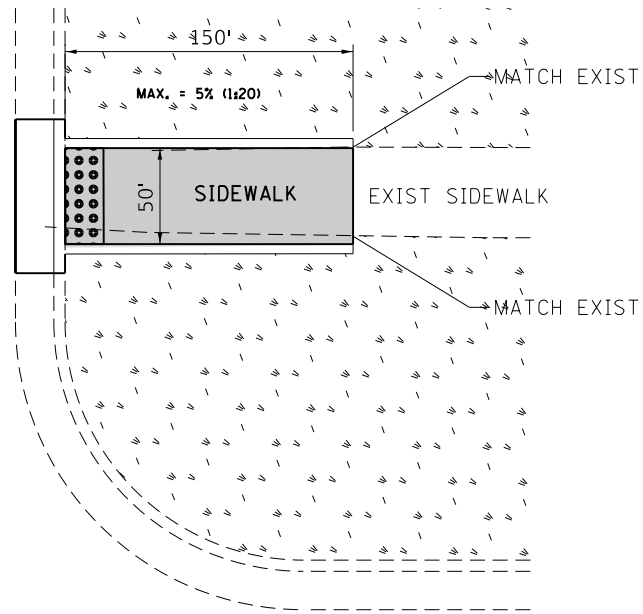
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	817	FOOT

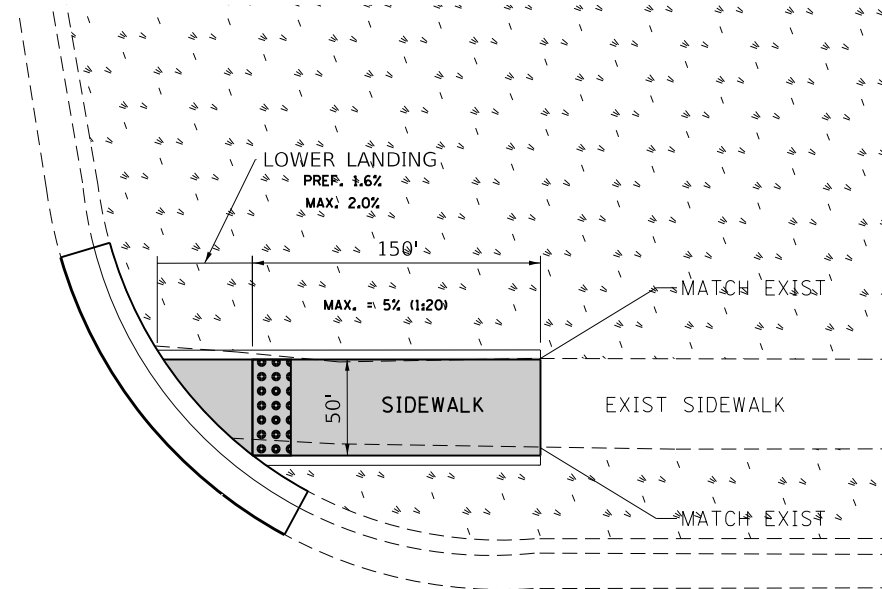
FILE NAME =	USER NAME = JIANGJ	DESIGNED - JJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL ROUTE 72 (HIGGINS RD.) KANE COUNTY LINE TO GLEN LAKE RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\WP\Design\JJ\1. Detector Loops\5. 62H21	IL 72\MicroStation\62H21 - IL 72 Higgins Rd\Drawn for Loop Replacement Plans.dgn	DRAWN -	REVISED -			341	2018-070-RS	COOK	85	49	
Default	PLOT SCALE = 40.0000' / in.	CHECKED - SN	REVISED -			CONTRACT NO. 62H21					
	PLOT DATE = 5/30/2019	DATE - 5/23/2019	REVISED -			ILLINOIS FED. AID PROJECT					

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

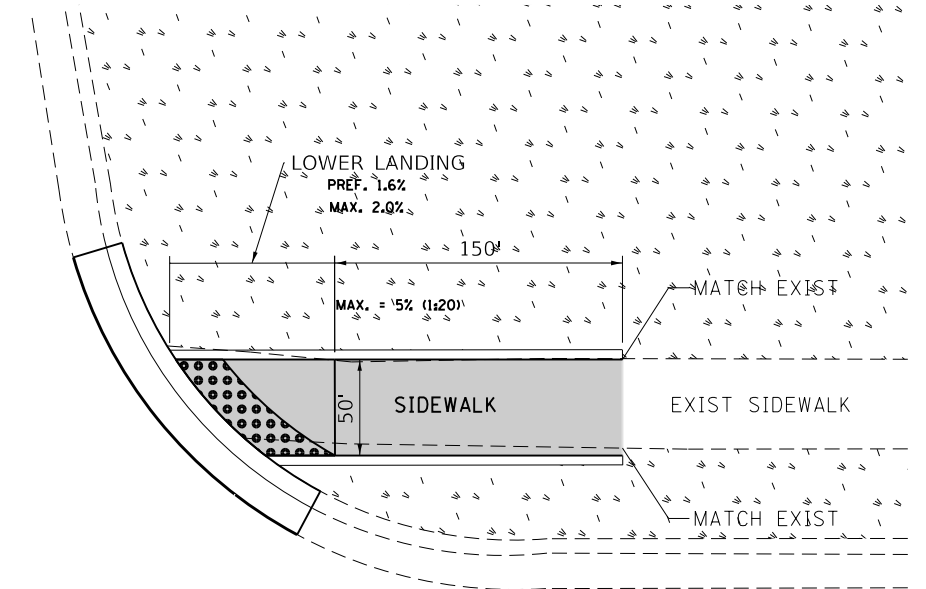
PD-01A



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)

FILE NAME =	USER NAME = gorengautob	DESIGNED -	REVISD -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151		DRAWN - 08/12/2019	REVISD -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISD -
	PLOT DATE = 8/15/2019	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

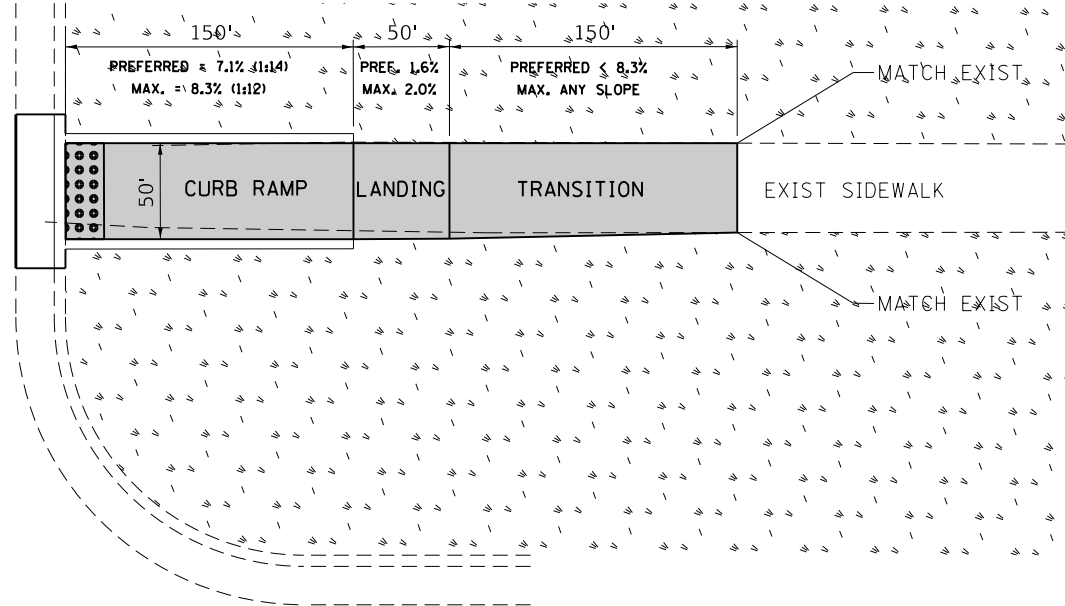
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
(PD-01)

SCALE: SHEET OF SHEETS STA. TO STA.

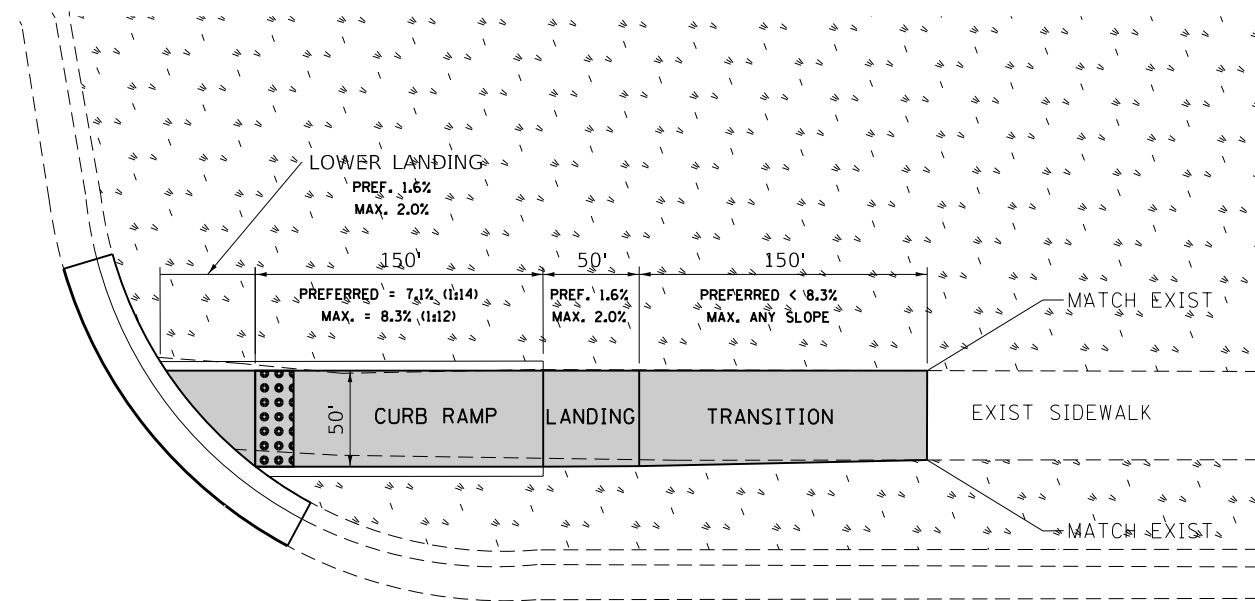
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	50
PD-01			CONTRACT NO. 62H21	
ILLINOIS FED. AID PROJECT				

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

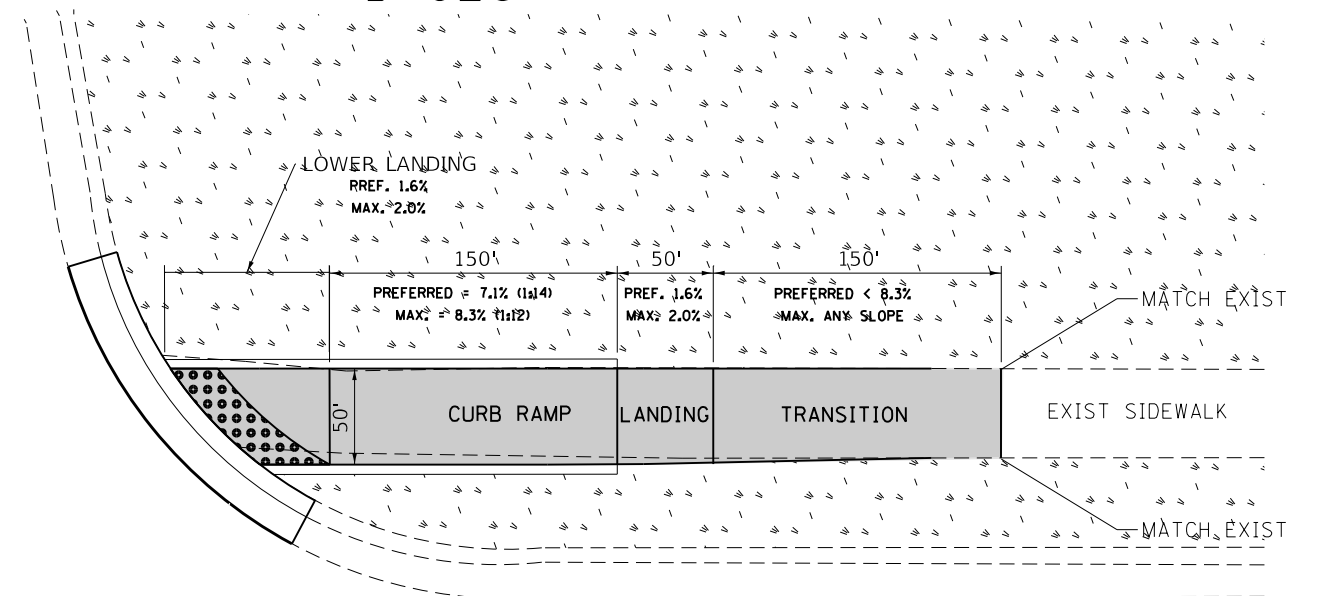
PD-02A



PD-02B



PD-02C



LEGEND

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

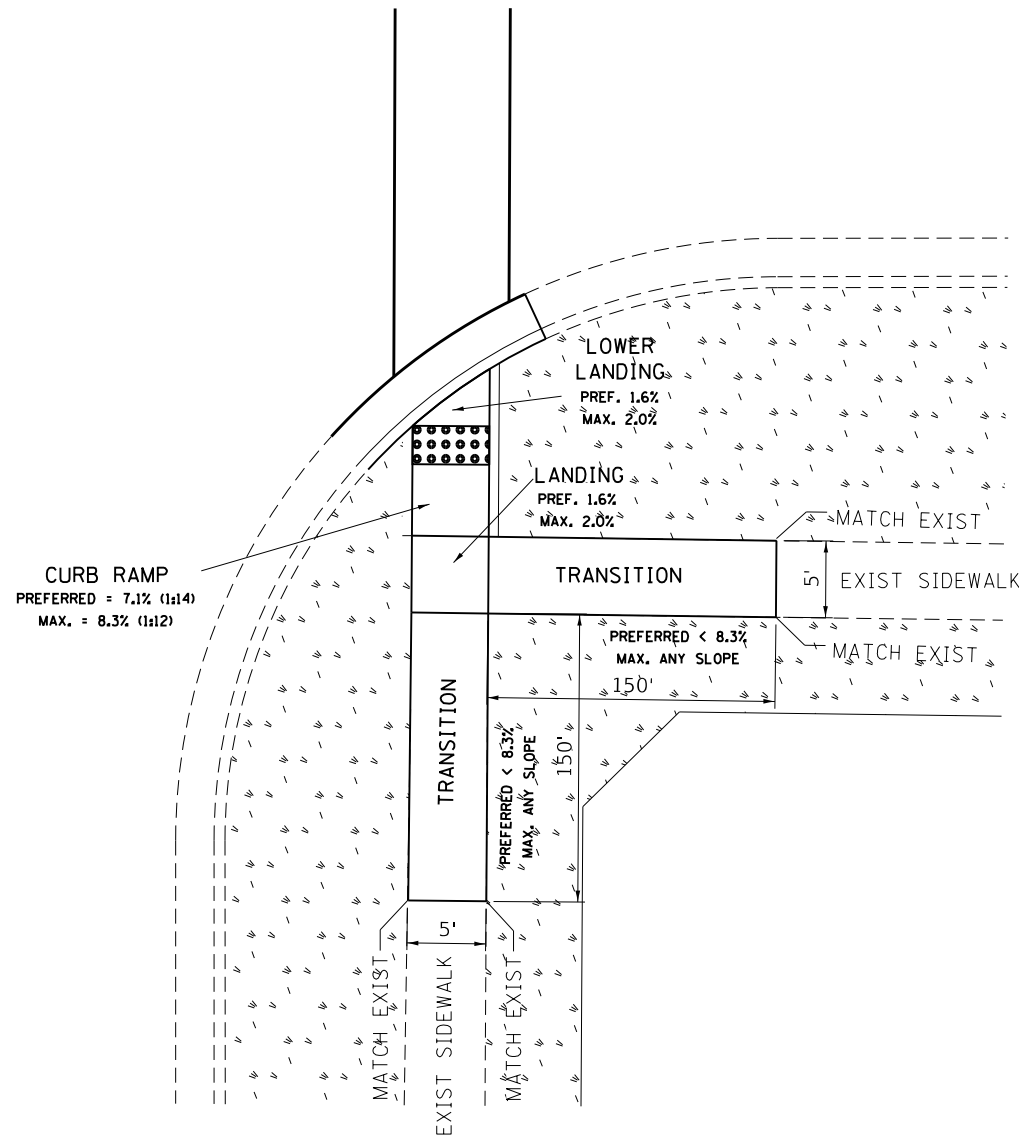
CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50)

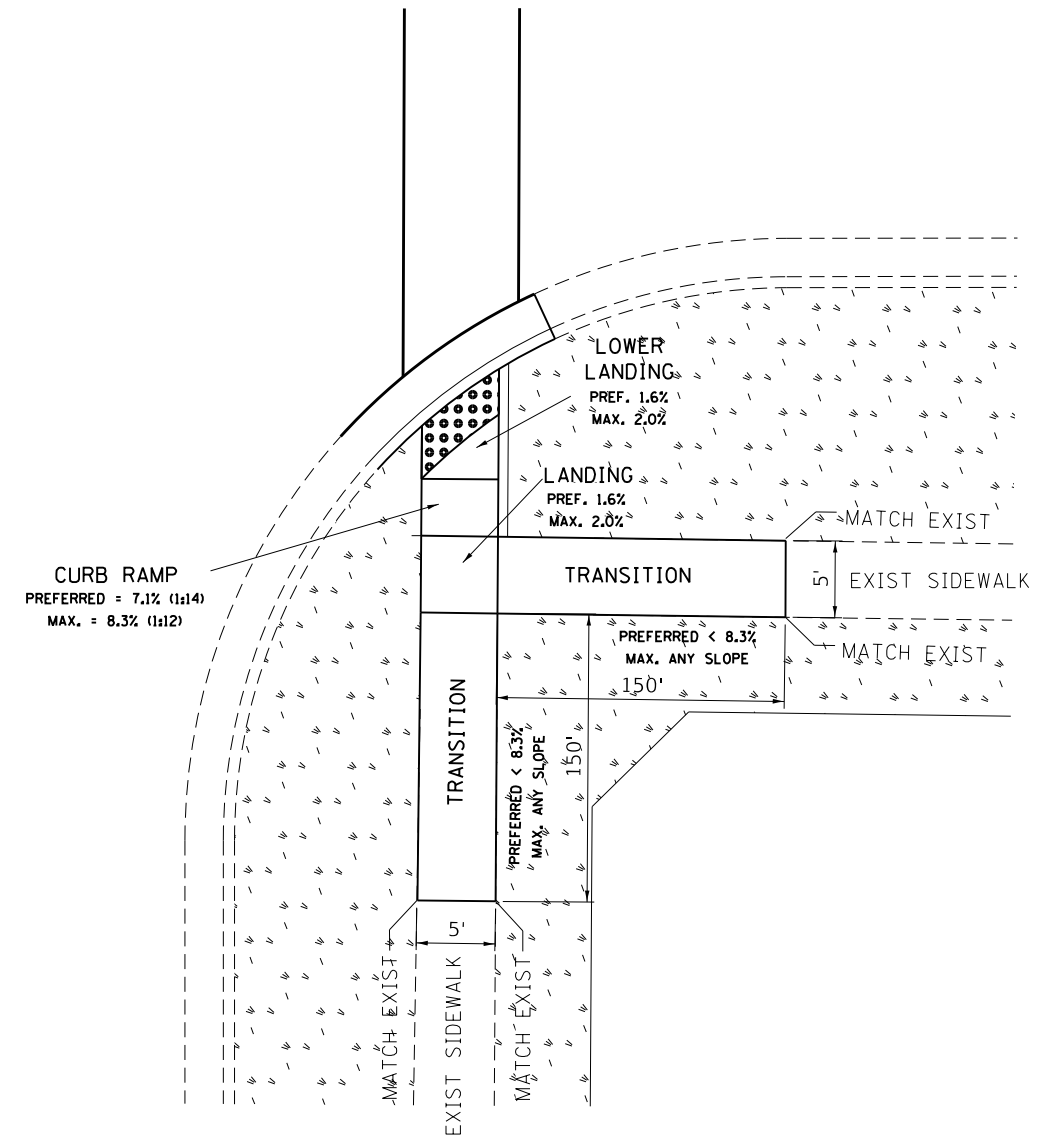
FILE NAME =	USER NAME = gorengautob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-02)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151	DRAWN -	REVISED -	341			2018-070-RS	COOK	85	51	
Default	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			PD-02	CONTRACT NO. 62H21		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 8/15/2019	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.		

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)

FILE NAME =	USER NAME = gorengautob	DESIGNED - ---	REVISED -
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151	Design\DR	08/12/2019	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/15/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

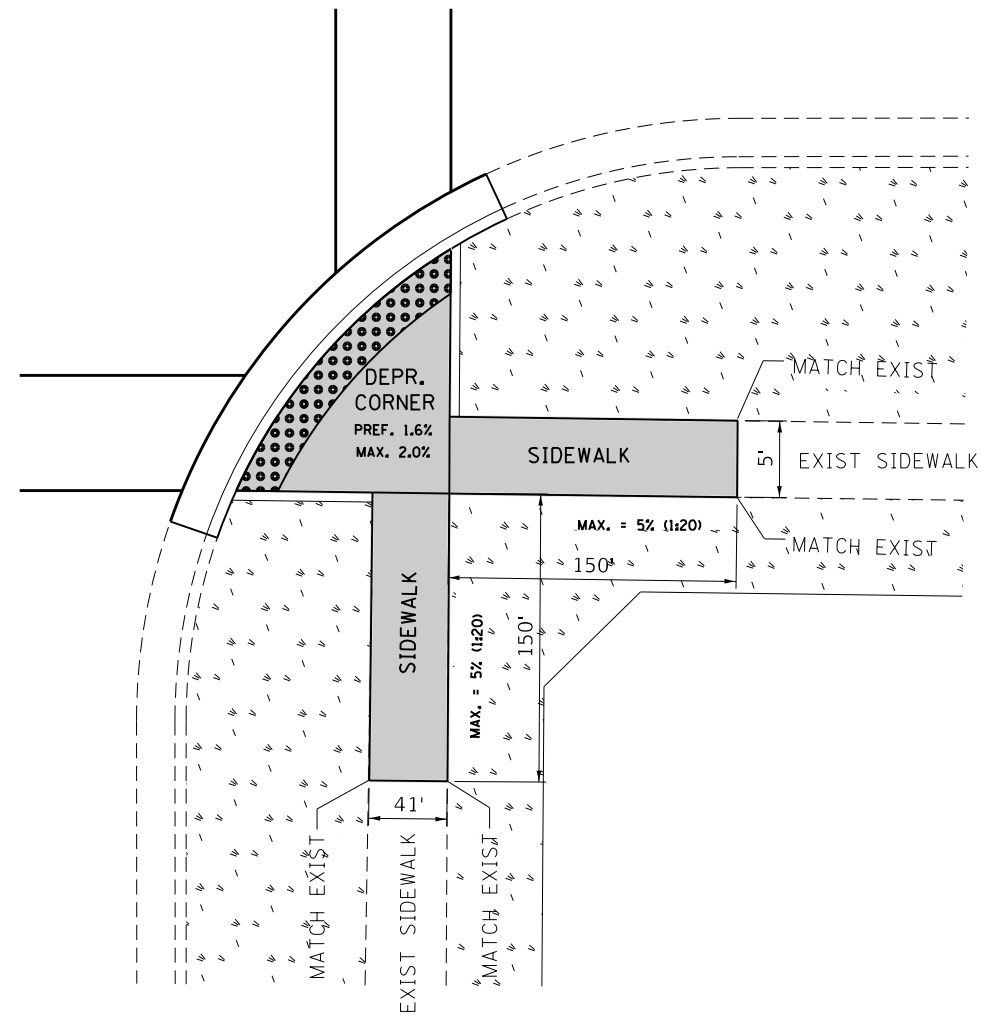
**PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
W/TURNING SPACE (PD-04)**

SCALE: SHEET OF SHEETS STA. TO STA.

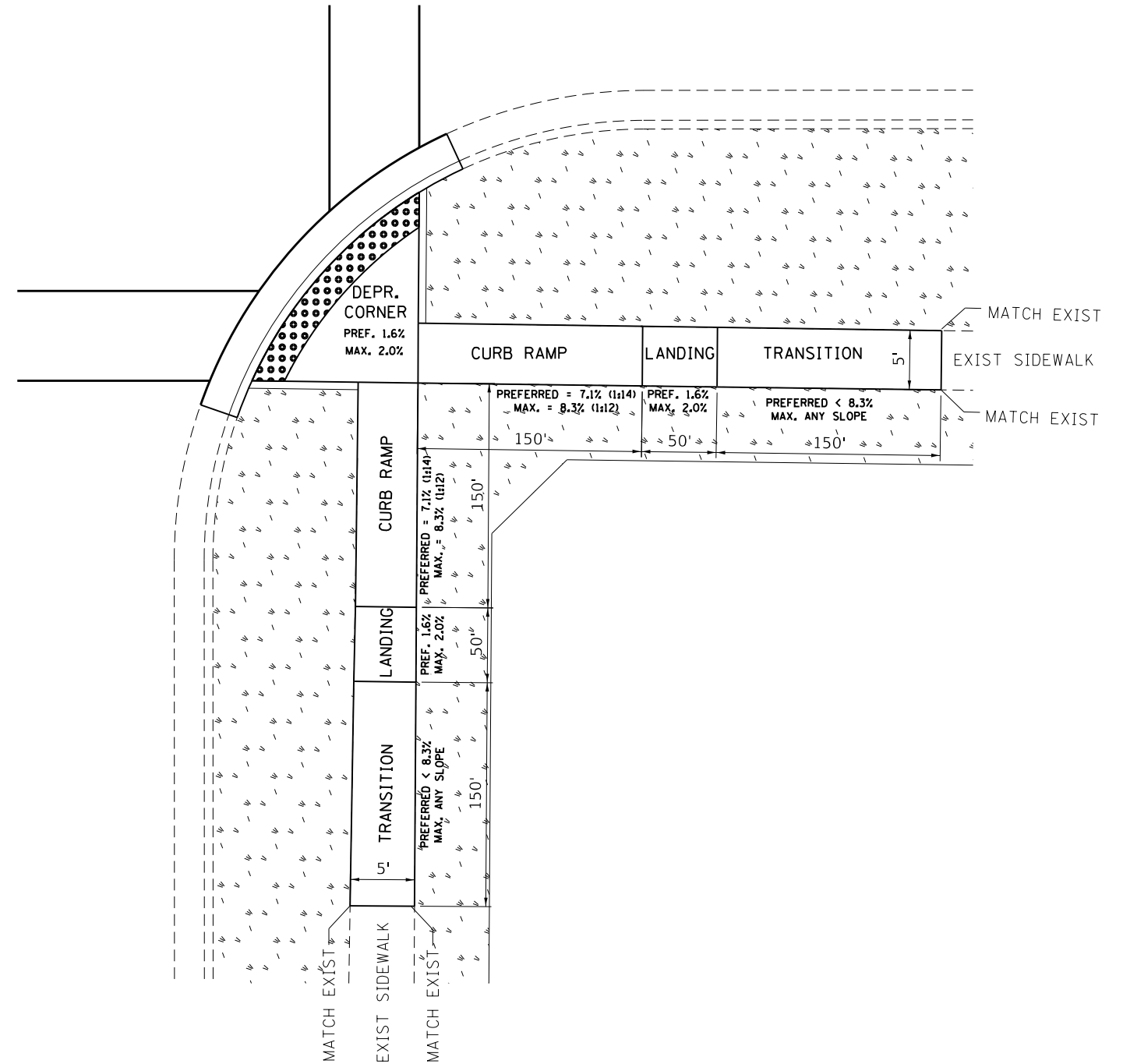
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	52
PD-04			CONTRACT NO. 62H21	
ILLINOIS FED. AID PROJECT				

ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS

PD-05A



PD-05B



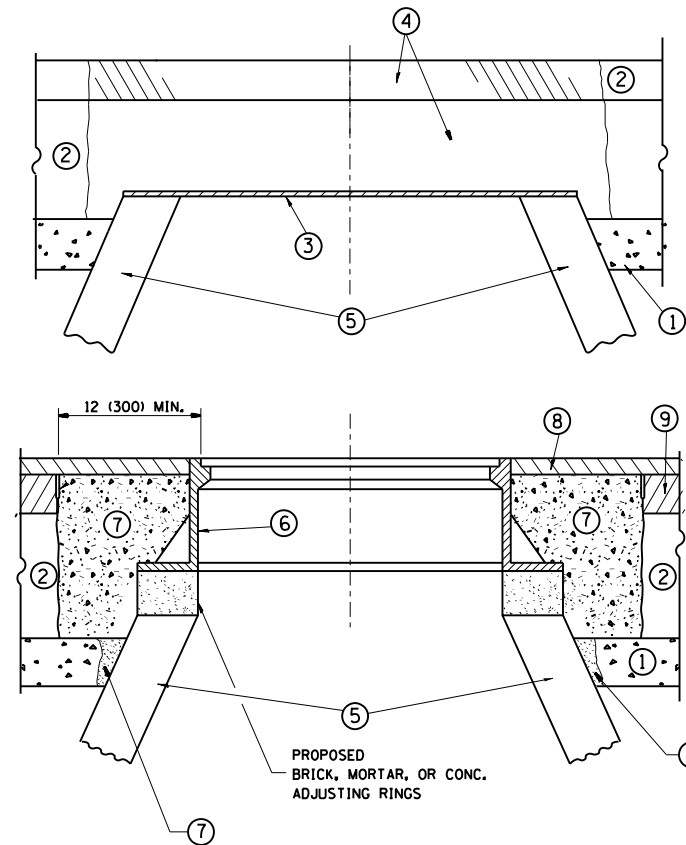
LEGEND

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

CONSTRUCTION NOTES:

- 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50)
- 2) DO NOT CONSTRUCT NEW SIDEWALK LEGS THAT DO NOT CURRENTLY EXIST.

FILE NAME =	USER NAME = gorengautab	DESIGNED - ---	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS (PD-05)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151\	DESIGNED - 08/12/2019	DRAWN -	REVISED -			341	2018-070-RS	COOK	85	53
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			PD-05		CONTRACT NO. 62H21		
	PLOT DATE = 8/15/2019	DATE -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* 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
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

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.

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.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

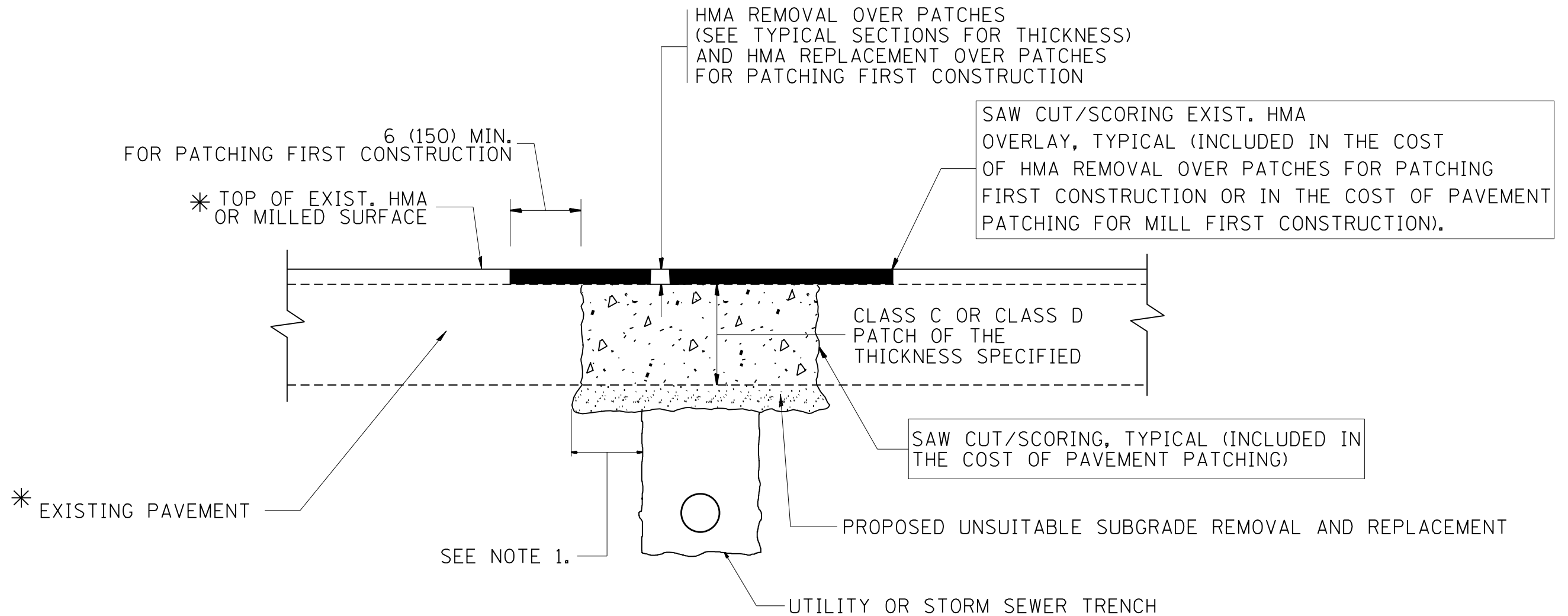
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = gorengautab	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\010151	DRAWN	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / 1in.	DATE - 10-25-94	REVISED - R. BORO 03-09-11
	PLOT DATE = 8/16/2019		REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	54
BD600-03 (BD-8)		CONTRACT NO. 62H21		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

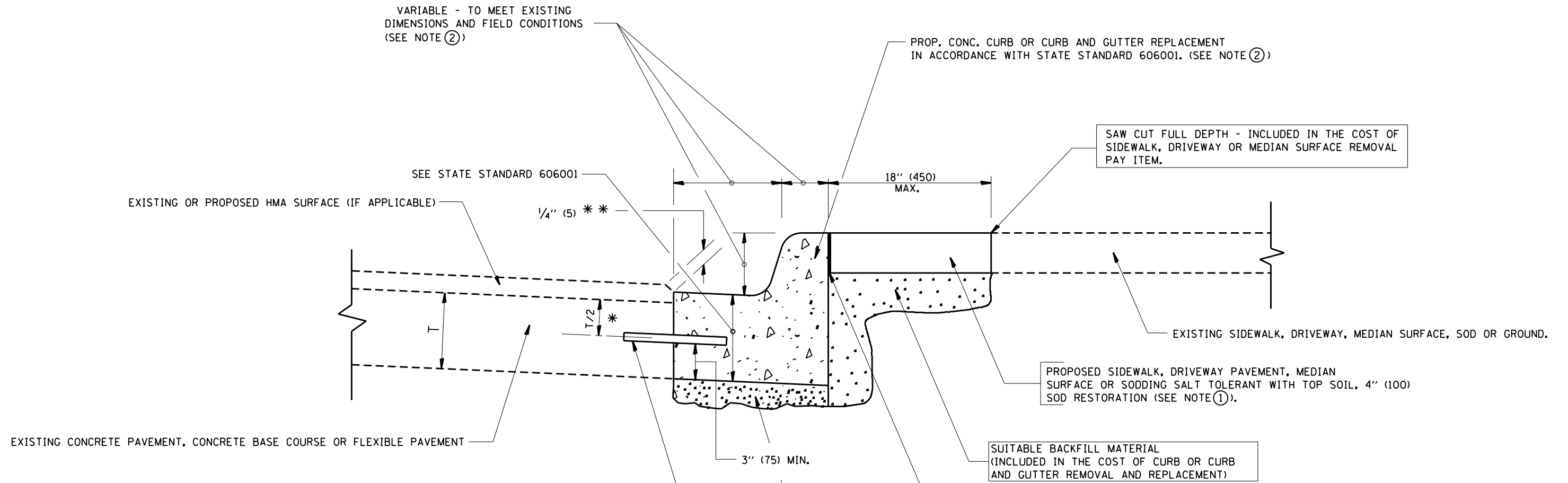
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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.

FILE NAME =	USER NAME = gorengautab	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151\		DRAWN - Design\DistStd.dgn	REVISED - R. BORO 01-01-07		341	2018-070-RS	COOK	85	55			
		PLOT SCALE = 100.0000' / 1in.	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)		CONTRACT NO. 62H21					
		PLOT DATE = 8/16/2019	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



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

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

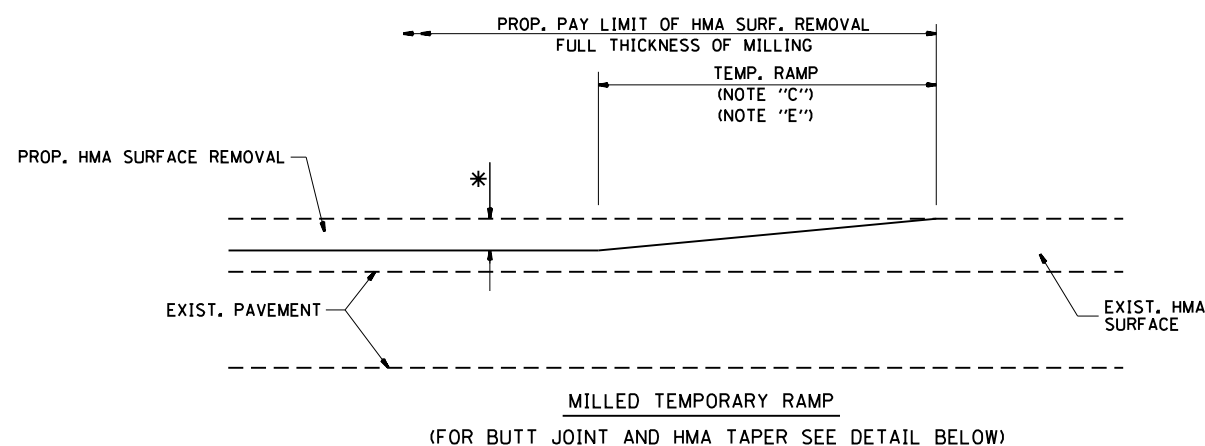
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

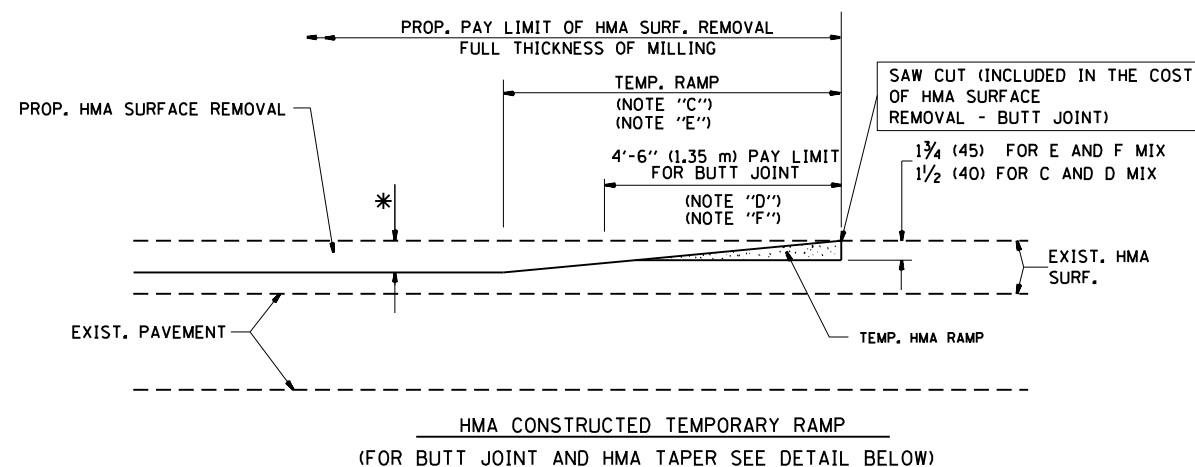
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = gorengautab	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - A. ABBAS 03-21-97			341	2018-070-RS	COOK	85	56	
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62H21			
	PLOT DATE = 8/16/2019	DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

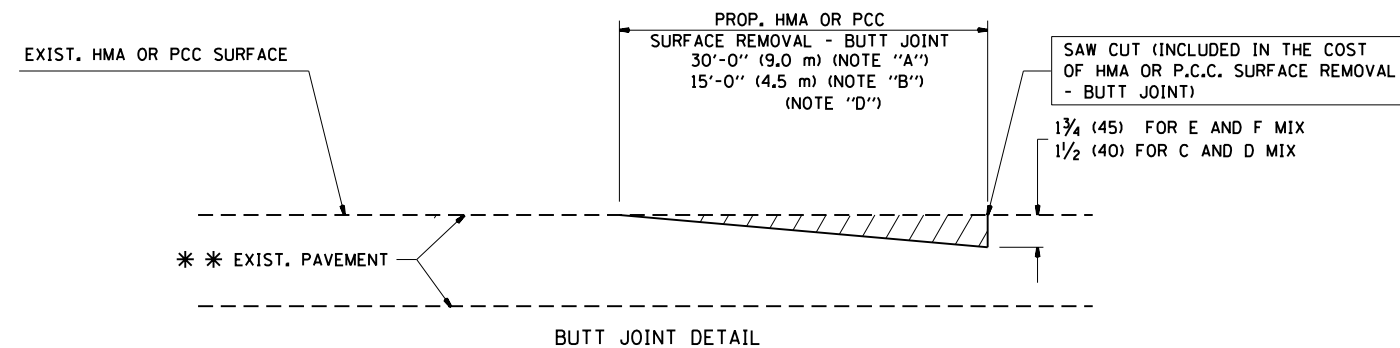


OPTION 1

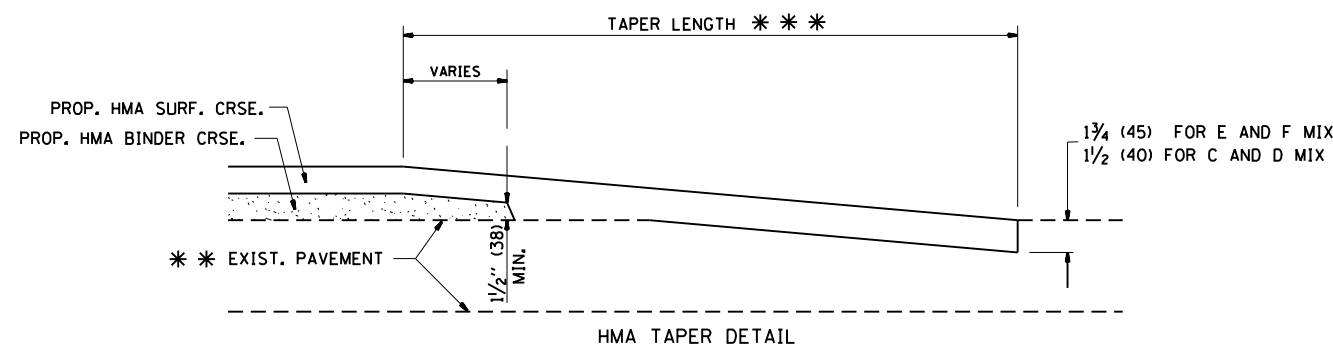


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

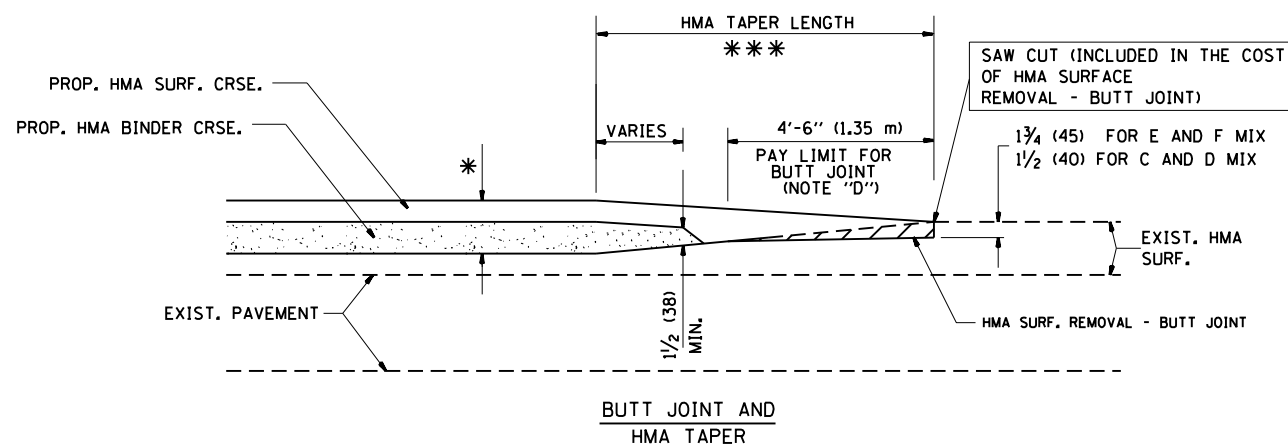
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 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".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

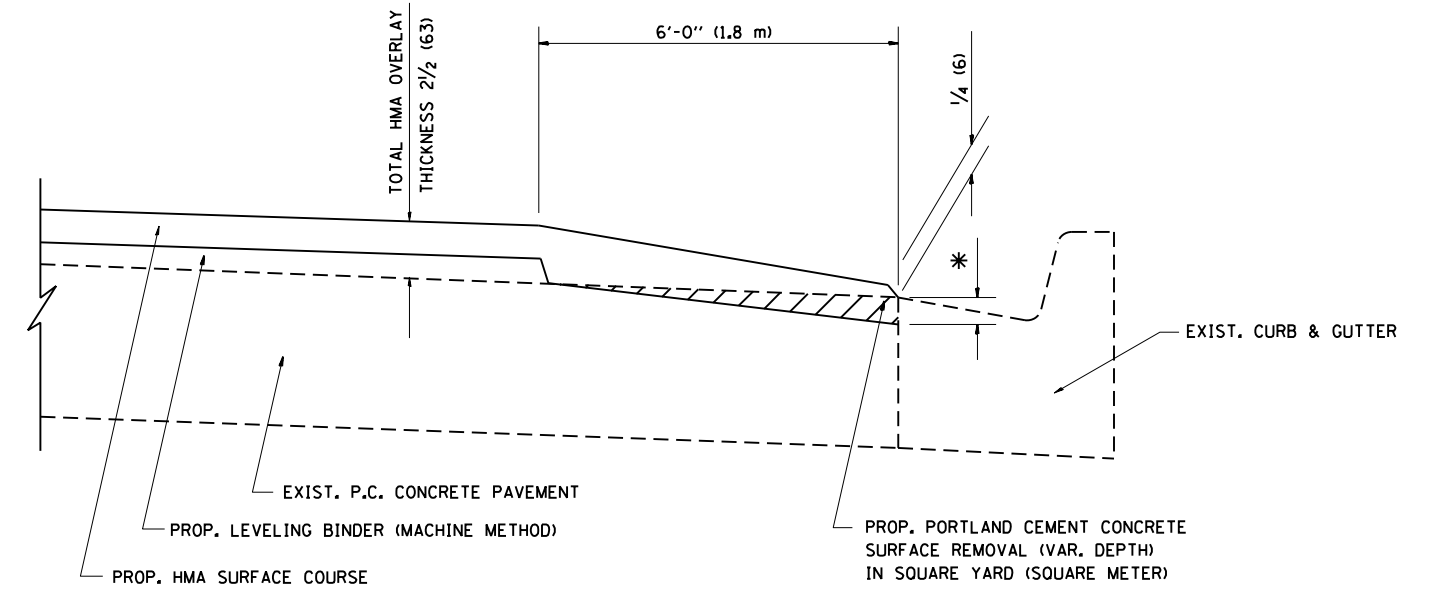
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	PLOT DATE = 8/16/2019	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	57
BD400-05 BD32		CONTRACT NO. 62H21		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

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

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

FILE NAME =	USER NAME = gorengautab	DESIGNED - R. SHAH	REVISED - A. ABBAS 05-05-9
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	PLOT DATE = 8/16/2019	DATE - 09-10-94	REVISED - JP CHANG 07-08-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-RS	COOK	85	58
BD400-06 (BD33)		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				

FABRICATION GENERAL NOTES

MATERIALS

1. EPOXY COATED DOWEL BARS USED SHALL COMPLY WITH ASTM A 615 GRADE 60.
2. ALL EMBEDDED LIFTING HARDWARE USED SHALL BE GALVANIZED.
 - A. FOR LIFTING INSERTS, INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION INCLUDING MINIMUM EDGE DISTANCE AND SPACING REQUIREMENTS. UNLESS THE CONTRACTOR AND FABRICATOR WILL BE USING A LIFTING BEAM OR ROLLING SHEAVE TO ENSURE THAT EACH OF THE FOUR INSERTS WILL SHARE THE LOAD EQUALLY, TWO OF THE FOUR INSERTS MUST BE CAPABLE OF CARRYING THE TOTAL LOAD WITH A 4:1 SAFETY FACTOR WHILE ADJUSTING FOR THE ANGLE OF THE CABLES AND THE STRENGTH OF THE CONCRETE OVER TIME. THE INSERT SHOULD BE RECESSED A MINIMUM OF 1½" UNLESS THE SLAB IS TO BE OVERLAID IMMEDIATELY AFTER PLACEMENT. THE INSERT SHALL LEAVE A MAXIMUM 1¼" DIAMETER THREADED HOLE TO BE GROUTED AFTER SLAB INSTALLATION. IF THE INSERT IS INSTALLED WITH A FULL SLAB PENETRATION, THE LIFTING INSERT CAN BE USED AS A BEDDING GROUT PORT AT THE CONTRACTOR'S DISCRETION.
 - B. FOR LIFTING PLATES, INSTALLATION MUST BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND HAVE A STANDARD 5:1 SAFETY FACTOR FOR LIFTING HARDWARE. UNLESS A LIFTING BEAM IS USED TO SPACE THE FOUR PICK POINTS DIRECTLY ABOVE THE INSERTS, THE LIFTING HARDWARE MUST BE RATED FOR USE WITH CABLES AT AN ANGLE AND TWO OF THE FOUR DEVICES MUST BE CAPABLE OF LIFTING THE FULL LOAD AS WITH THE INSERTS REFERENCED IN THE PREVIOUS NOTE.
3. REINFORCEMENT USED SHALL BE EPOXY COATED, IN ACCORDANCE WITH ASTM A706 GRADE 60 AND IN COMPLIANCE WITH ARTICLE 1006.10 OF THE STANDARD SPECIFICATIONS.
4. CONCRETE COVER OVER REINFORCEMENT TO BE MAINTAINED USING WIRE OR THERMOPLASTIC CHAIRS OR SPACERS OR AN APPROVED EQUIVALENT.
5. CONCRETE USED SHALL MEET THE FOLLOWING REQUIREMENTS:
 - A. CONCRETE USED SHALL BE CLASS PC (f'c = 4,500 PSI @ 28 DAYS) IN ACCORDANCE WITH SECTION 1020 OF THE STANDARD SPECIFICATIONS.
 - B. MINIMUM STRIPPING STRENGTH OF CONCRETE SHALL BE 3,000 PSI.
 - C. CONCRETE MIX DESIGN TO BE SUBMITTED AND APPROVED PRIOR TO FABRICATION.
 - D. CURING OF CONCRETE SLABS TO BE IN ACCORDANCE WITH THE SPECIFIED METHODS OF SECTION 1020 OF THE STANDARD SPECIFICATIONS. THE CURING PROCEDURE TO BE USED SHALL BE SUBMITTED AND APPROVED PRIOR TO FABRICATION.

SLAB DESIGN

6. FOR STANDARD SLABS:
 - A. USE SLAB DIMENSIONS SHOWN ON THE DISTRICT STANDARD DRAWINGS FOR DESIGN SLAB THICKNESS, WIDTH, AND LENGTH. ACTUAL WIDTH TO BE MODIFIED WITH ON-SITE SAW CUTS TO FIT THE OPENING.
 - B. USE TWO LAYERS OF REINFORCEMENT WITH A MINIMUM STEEL AREA RATIO OF 0.2%.
 - C. SIZE ANY PREFORMED SLOTS THAT ARE DESIGNED FOR CONSECUTIVE STANDARD SLABS CONSISTENT WITH THE THICKNESS OF THE SLAB SUCH THAT THE BOTTOM OF THE OPENING IS AT LEAST 2½" (1¼") WIDE AND AT LEAST ½" OF GROUT COVER IS PROVIDED UNDER THE DOWEL.

- D. FOR STANDARD SLABS WITH WIDE OPEN SLOTS AND/OR EMBEDDED DOWEL BARS, IT SHALL BE THE CONTRACTOR'S OPTION TO EITHER PRE-INSTALL/EMBED THE DOWEL BARS INTO THE SLABS AT THE PRECAST PLANT AND PARTIALLY RETROFIT THE EMBEDDED DOWELS INTO ADJACENT PAVEMENT SLABS IN THE FIELD, OR TO FULLY RETROFIT THE DOWEL BARS INTO BOTH THE INSTALLED PRECAST SLAB AND ANY ADJACENT SLAB IN THE FIELD DURING PLACEMENT IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND THE GENERAL NOTES FOR INSTALLATION. THE LOCATIONS AND SPACING OF THE DOWEL BARS IN THE STANDARD SLABS SHALL BE SHOWN ON THE DISTRICT STANDARD DRAWINGS AND WITHIN THE SPECIFIED TOLERANCES FOR ALIGNMENT. FOR DOWEL BAR RETROFITTING WITH STANDARD SLAB INSTALLATION, A STANDARD TEMPLATE SHALL BE USED TO LOCATE THE CUTS AND POSITION THE DOWEL SLOTS CONSISTENTLY.
- E. FOR STANDARD ISOLATED SLABS WITH NARROW ELONGATED PREFORMED DOWEL SLOTS, THE CENTERPOINT BETWEEN THE WHEEL PATH SLOTS SHALL BE MARKED.

7. FOR CUSTOM SLABS:

- A. USE SLAB DIMENSIONS SHOWN ON THE DISTRICT STANDARD DRAWINGS FOR DESIGN SLAB THICKNESS. LENGTHS AND WIDTHS OF EACH CUSTOM SLAB SHALL BE ACCURATE DIMENSIONS BASED ON FIELD SURVEY DATA COLLECTED BY THE CONTRACTOR TO DEVELOP WORKING DRAWINGS FOR THE SLAB. MINIMUM AND MAXIMUM DIMENSIONS FOR LENGTHS AND WIDTHS ARE NOTED ON THE STANDARD DRAWINGS.
- B. FOR ANY CUSTOM SLAB FABRICATED TO REPLACE EXISTING WARPED PAVEMENT AT AN ISOLATED LOCATION, THE CUSTOM SLAB SHALL BE FABRICATED ON A SINGLE PLANE. THE SLAB THICKNESS OR BEDDING MATERIAL SHALL BE ADJUSTED TO ALLOW FOR THE ELEVATION OF ALL FOUR (4) CORNERS OF THE CUSTOM SLAB TO BE FLUSH OR HIGHER THAN THE EXISTING OR ADJOINING PAVEMENT WHEN INSTALLED. THE SURFACE OF ALL CUSTOM SLABS REPLACING WARPED PAVEMENT SHALL RECEIVE A COMPLETE PROFILE DIAMOND GRIND AFTER INSTALLATION AND GROUTING TO PROVIDE A SMOOTH SURFACE AND LEAVE ALL EDGES FLUSH WITH THE ADJOINING PAVEMENTS. THE PROFILE GRINDING OPERATION FOR CUSTOM SLABS REPLACING ANY WARPED PAVEMENTS, ON CURVED RAMPS OR SUPERELEVATED MAINLINE SECTIONS, SHALL BE IN ACCORDANCE WITH CONTRACT SPECIAL PROVISIONS FOR PROFILE DIAMOND GRINDING PRECAST CONCRETE PAVEMENT SLABS AND PAID FOR SEPARATELY. FOR CONSECUTIVELY PLACED CUSTOM SLABS FABRICATED TO REPLACE EXISTING WARPED PAVEMENT, FULL SURVEYS FOR X, Y, AND Z DIMENSIONS SHALL BE TAKEN BY THE CONTRACTOR BEFORE FABRICATION IN ORDER TO MATCH EXISTING GRADES AT ALL CORNERS DURING INSTALLATION.
- C. FOR ALL CUSTOM SLABS WITH WIDE OPEN SLOTS, THE DOWEL BARS SHALL BE FULLY RETROFITTED INTO ADJACENT PAVEMENT SLABS DURING FIELD INSTALLATION OF THE PRECAST SLAB IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND GENERAL NOTES FOR INSTALLATION.
- D. FOR ALL CUSTOMS SLABS WITH NARROW ELONGATED PREFORMED DOWEL SLOTS, THE DOWEL BARS SHALL BE SLID INTO PREDRILLED HOLES IN THE ADJACENT PAVEMENT SLABS DURING FIELD INSTALLATION OF THE PRECAST SLAB IN ACCORDANCE WITH CONTRACT SPECIFICATIONS AND GENERAL NOTES FOR INSTALLATION.

8. ALL FABRICATED SLABS:

- A. THE MAXIMUM ALLOWABLE JOINT WIDTH CAN NOT BE LESS THAN THE TOTAL OF THE ALLOWABLE SLAB FABRICATION TOLERANCES.
- B. BEDDING GROUT PORT HOLES SHALL BE LOCATED ON TRANSVERSE LINES ACROSS THE SLAB THAT ARE PARALLEL WITH EXISTING TRANSVERSE JOINTS. EACH PORT HOLE SHALL BE EVENLY DISTRIBUTED ON EACH LINE. THE DISTANCE BETWEEN BEDDING GROUT PORT HOLES SHALL NOT EXCEED 4'-0", WITH THE PORT HOLES AT THE END OF THE TRANSVERSE LINES TO BE NO LESS THAN 1'-8" AND NO MORE THAN 3'-0" OFF A LONGITUDINAL JOINT. THE TRANSVERSE LINES FOR PORT HOLES SHALL BE NO MORE THAN 4'-0" APART, AND NO LESS THAN 1'-8" AND NO MORE THAN 2'-6" OFF OF A TRANSVERSE JOINT.
- C. RECESS LIFTING DEVICES 1 1/2" MINIMUM BELOW THE SURFACE OF THE SLAB TO ALLOW FOR A MINIMUM GROUT COVER OF 1" ON SLABS THAT WILL NOT BE OVERLAID.

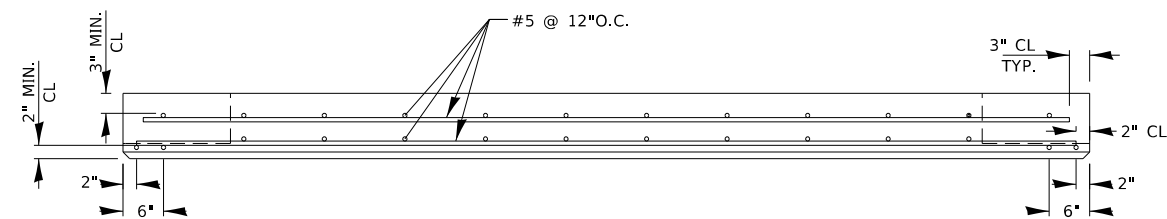
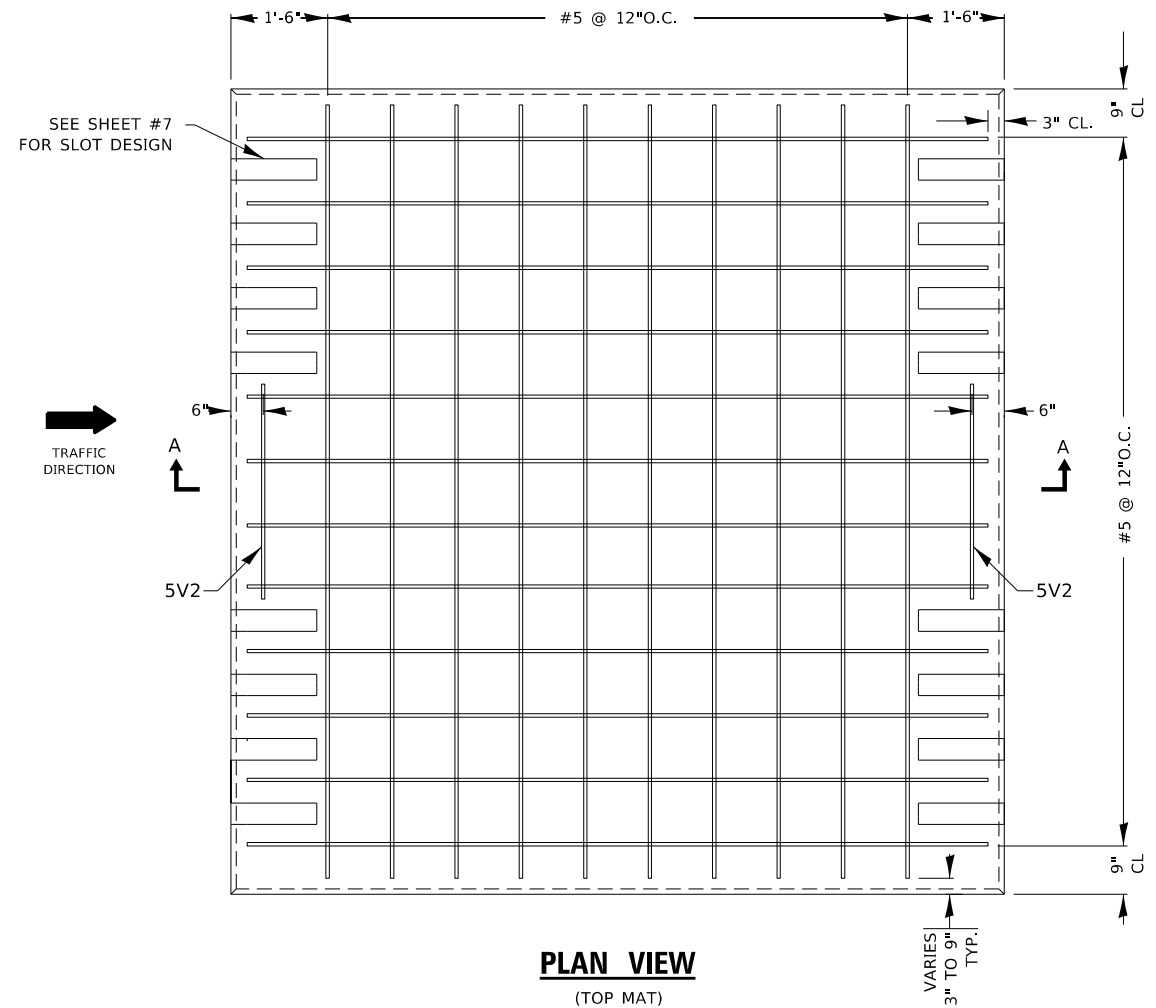
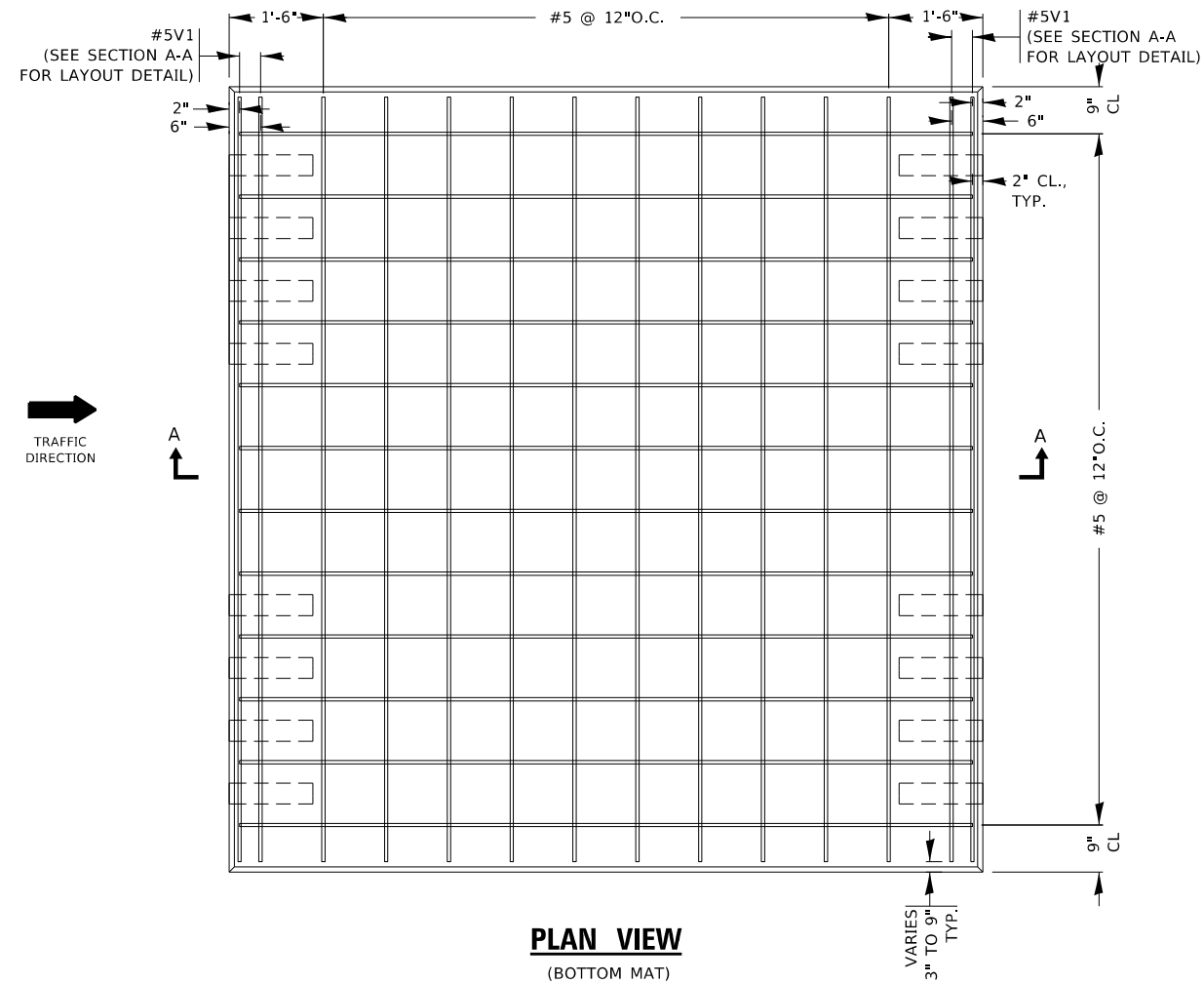
FABRICATION

9. PREPARE WORKING DRAWINGS THAT SHALL INCLUDE THE FOLLOWING INFORMATION:
 - A. SLAB LAYOUT DRAWING FOR TYPICAL STANDARD SLABS AND FOR EACH CUSTOM SLAB TO BE FABRICATED, WITH ACCURATE DIMENSIONS CITED.
 - B. REINFORCEMENT SIZES, SPACING, NUMBER OF MATS, AND METHOD OF MAINTAINING CONCRETE COVER.
 - C. SIZES AND LOCATIONS FOR EMBEDDED DOWELS, OF DOWEL BARS TO BE RETROFITTED AFTER PLACEMENT OF THE SLAB, AND OF PREFORMED SLOTS AT THE FEMALE END OF STANDARD SLABS FOR CONSECUTIVE PLACEMENT.
 - D. SIZE AND LOCATION OF GROUT PORTS, LIFTING ANCHORS, AND GROUT SEAL GASKETS.
 - E. COMPRESSIVE STRENGTH AND AIR CONTENT OF CONCRETE.
 - F. CONCRETE CURING METHOD TO BE USED.
 - G. MARKING LEGEND FOR EACH SLAB TO INDICATE PRECAST MANUFACTURER, AND DATE OF PRODUCTION; AND FOR EACH CUSTOM SLAB TO INCLUDE CONTRACT NUMBER AND MARK NUMBER OF THE SLAB.
 - H. WEIGHT OF EACH SLAB.
10. PERFORM A PRE-POUR INSPECTION OF THE FORMS TO CONFIRM THAT THEY ARE ASSEMBLED IN ACCORDANCE WITH THE FOLLOWING TOLERANCES:

LENGTH AND WIDTH	± ½"
DIAGONALS	± ⅜"
DOWEL VARIANCE FROM LEVEL, SQUARENESS TO EDGE OF SLAB, AND LOCATION.	± ½"
EDGE SQUARENESS - ½" IN 10" (IN RELATION TO TOP AND BOTTOM SURFACES).	
11. INCLUDE A 1 INCH CHAMFER ALONG ALL BOTTOM EDGES OF SLABS. AND A STONED EDGE TO ALL TOP EDGES OF THE SLAB.
12. THE EXPOSED SURFACES OF ALL PREFORMED SLOTS FOR DOWEL BARS SHALL BE SANDBLASTED.
13. ACCURATELY SCREED TOP OF SLAB TO MEET SURFACE AND THICKNESS TOLERANCES.
14. THE FINAL FINISH SHALL MATCH THE SURROUNDING PAVEMENT WITH EITHER AN ARTIFICIAL TURF DRAG FINISH TO TOP OF SLAB IN ACCORDANCE WITH ARTICLE 420.09(e)(2) OF THE STANDARD SPECIFICATIONS, OR A TINED FINISH IN ACCORDANCE WITH ARTICLE 420.09(e)(1) OF THE STANDARD SPECIFICATIONS.
15. AFTER REMOVAL OF FORMS AND ANY BLOCKOUTS, NO SPALLS OF THE FINISHED SURFACE WILL BE ALLOWED.

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	USER NAME = gorenautab	DESIGNED - O. PATEL	REVISED - D.G. 6-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE PAVEMENT SLABS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - D.G. 9-16					341	2018-070-R5	COOK	85	59
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	PLOT DATE = 8/15/2019	DATE - 10-25-2013	REVISED -			SCALE: NONE	SHEET 1 OF 19 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



ALL BARS ARE TRIM TO FIT #5 BAR
SAW CUTS OFF LONGITUDINAL EDGES SHALL BE NO MORE THAN 6" OFF THE EDGES

STANDARD SLAB TYPICAL REINFORCEMENT DETAIL

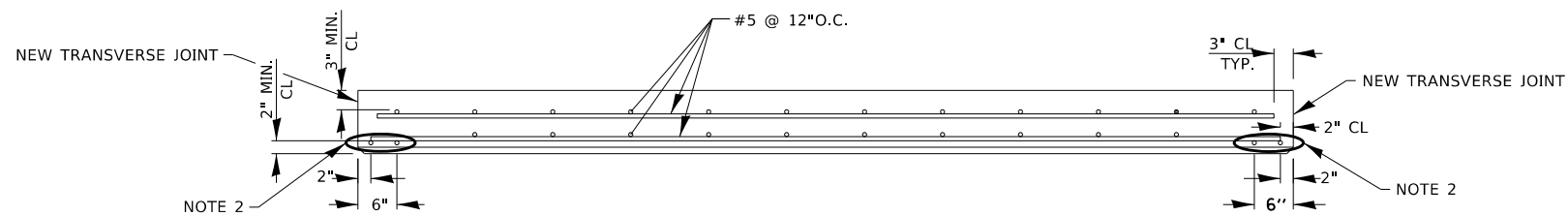
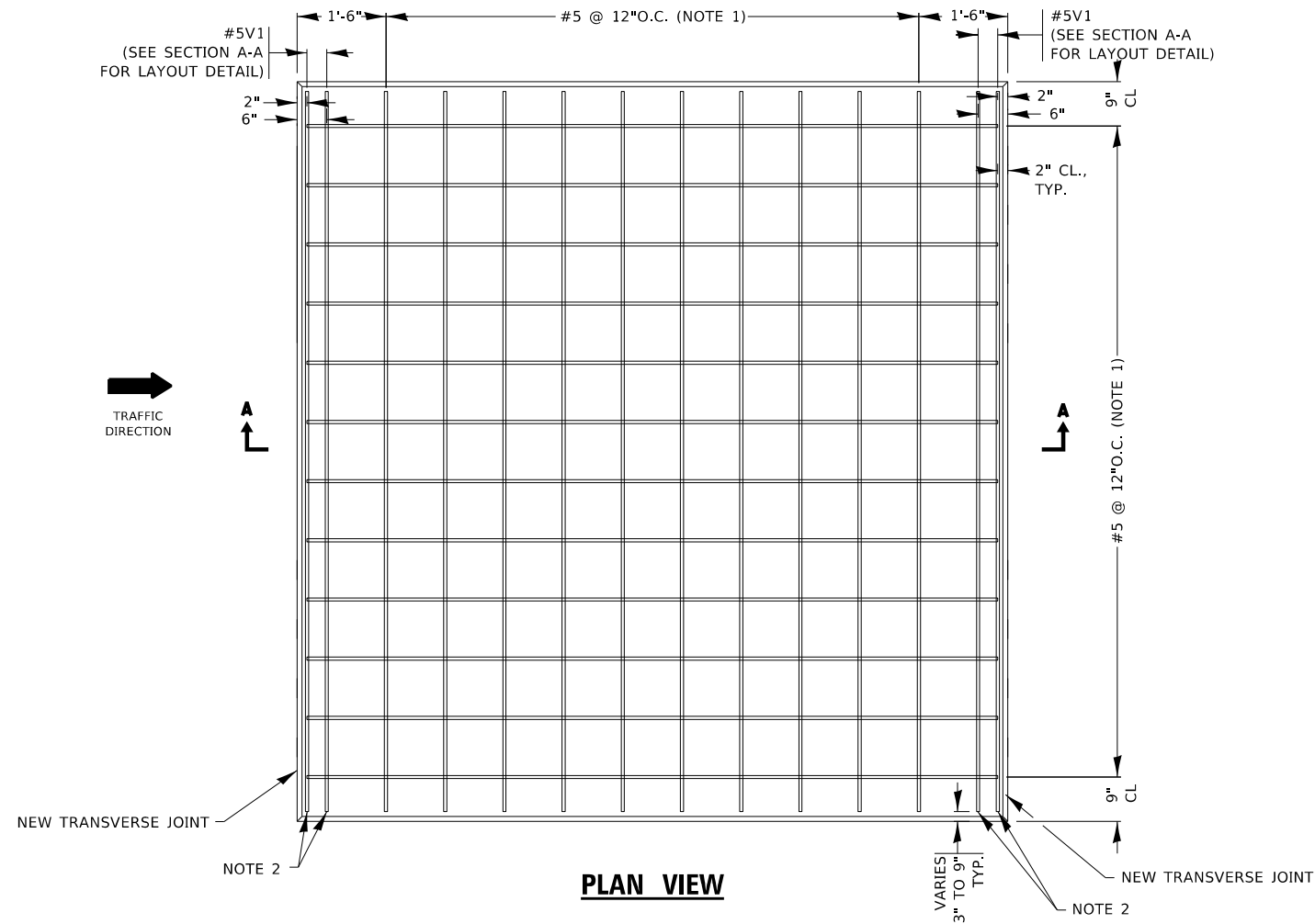
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PLOT SCALE = 90.0000 ' / in.	CHECKED -	REVISED - D.G. 9-16
PLOT DATE = 8/15/2019	DATE - 10-25-2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE PAVEMENT SLABS		
SCALE: NONE	SHEET 2 OF 19 SHEETS	STA. TO STA.

F.A.P. RTE. 341	SECTION 2018-070-RS	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 60
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



REINFORCEMENT SECTION A-A

ALL BARS ARE TRIM TO FIT #5 BAR
 SAW CUTS OFF LONGITUDINAL EDGES SHALL BE NO MORE THAN 6" OFF THE EDGES

NOTES:

1. FOR ALL CUSTOM SLABS OF TRAPEZOID SHAPES, THIS REINFORCEMENT SHALL BE LAID OUT IN A PERPENDICULAR GRID PATTERN, NOT SKEWED.
2. THIS REINFORCEMENT SHALL BE PARALLEL TO THE NEW TRANSVERSE JOINT.

CUSTOM SLAB TYPICAL REINFORCEMENT DETAIL

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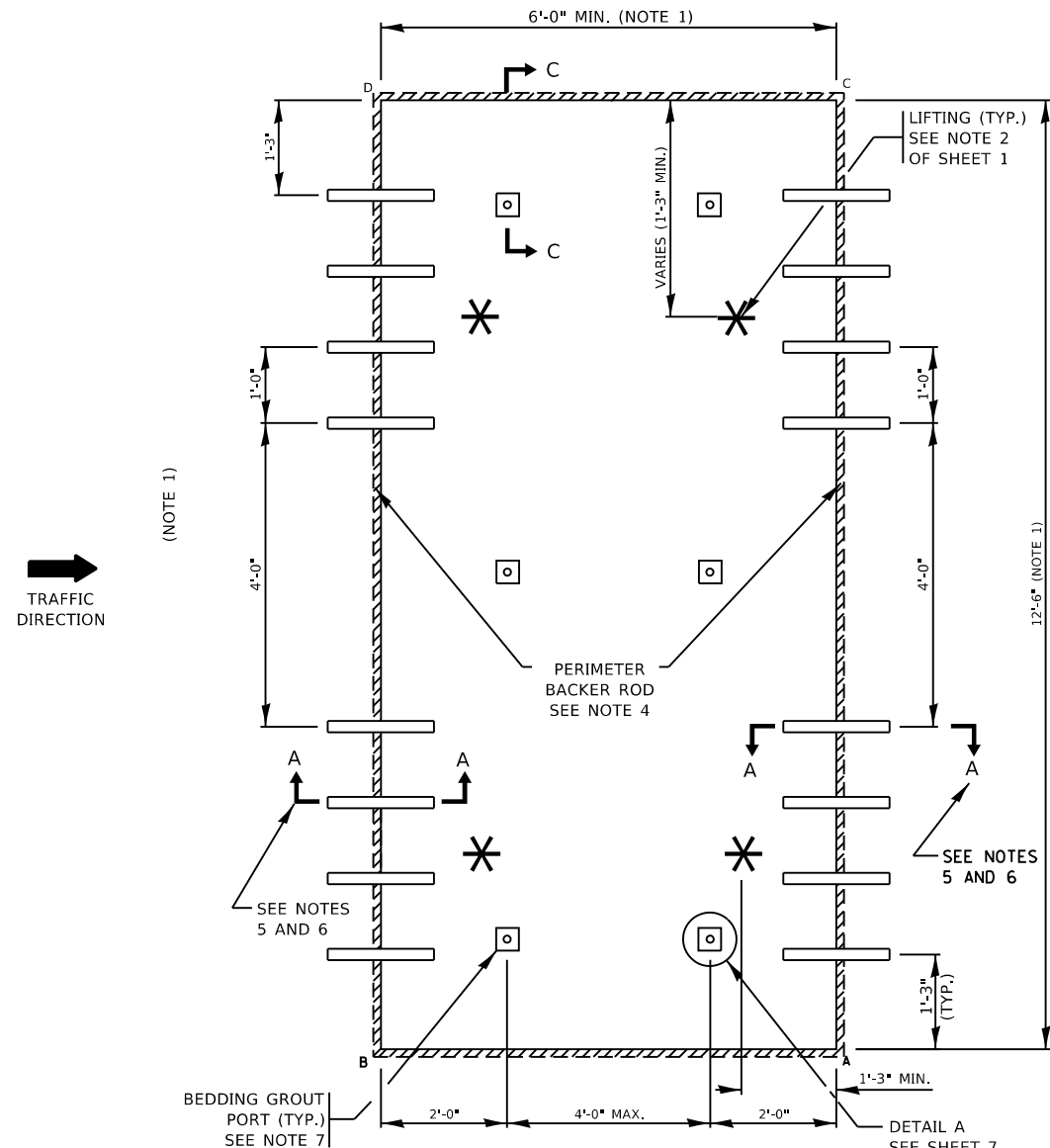
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PLOT SCALE = 90.0000 ' / in.	CHECKED -	REVISED - D.G. 9-16
PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

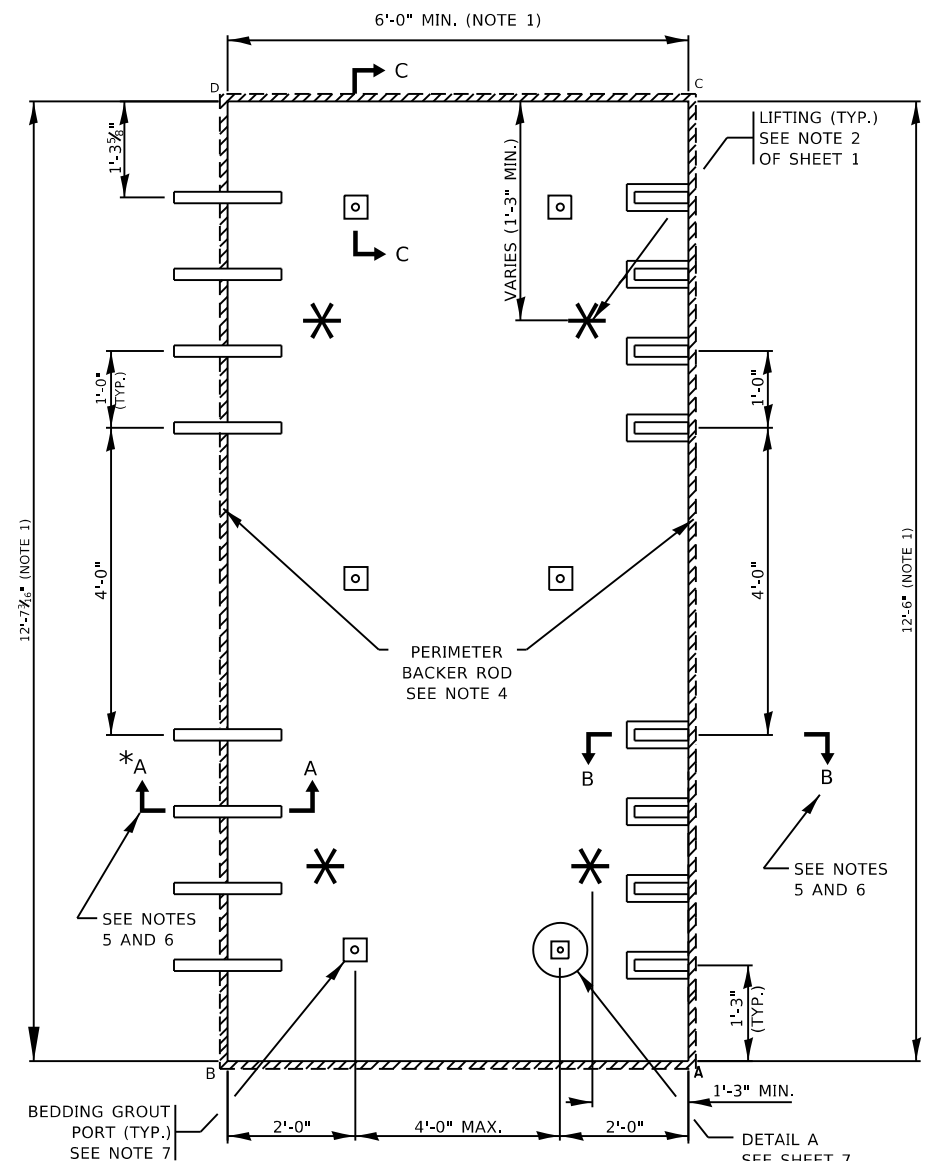
PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 3 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	61
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



**STANDARD 12'-6" WIDE PANEL LAYOUT FOR ISOLATED PLACEMENT
WITH EMBEDDED DOWELS FOR PRECAST WIDE MOUTH
SLOTS IN ADJACENT PAVEMENT**



STANDARD 12'-6" WIDE PANEL LAYOUT FOR CONSECUTIVE PLACEMENT

* FOR INTERNAL CONSECUTIVE SLABS, PREFORMED SLOTS IN ACCORDANCE WITH SECTION B-B OF SHEET 4 MAY BE USED IN-PLACE OF EMBEDDED DOWELS OR OF FIELD RETROFITTED DOWEL BARS WITH SAWCUT SLOTS. ALL PREFORMED SLOTS MUST BE FILLED BEFORE BEING OPENED TO TRAFFIC.

NOTES:

1. THE WIDTH AND LENGTH OF PRODUCED SLABS SHALL BE THE INDICATED DIMENSIONS ON THE PLANS ± 1/8".
2. FOR MIDDLE LANE SLAB OPENINGS/PATCHES LESS THAN 12'-6" IN WIDTH AND GREATER THAN 11'-6" IN WIDTH, THE STANDARD PERCAST SLAB CAN BE SAW CUT ON-SITE TO FIT THE OPENING AND TO MAINTAIN ALIGNMENT WITH EXISTING LONGITUDINAL JOINTS. OTHERWISE, THE SLAB PATCH LOCATION MUST BE PRESURVEYED BY THE CONTRACTOR AND THE SLAB FABRICATED AS A CUSTOM SLAB.
3. SLAB THICKNESS SHALL BE AS INDICATED IN THE PLANS.
4. A FOAM BACKER ROD SHALL BE PLACED AROUND THE OUTSIDE PERIMETER OF THE SLAB AT THE BOTTOM OF THE JOINTS BEFORE THE SLAB HAS BEEN SET AND BEFORE BEDDING GROUT OR POLYURETHANE LEVELING FILL IS APPLIED. THE BACKER ROD SHALL NOT BE REQUIRED WHEN ANY SLAB IS LEVELED WITH FLOWABLE FILL.
5. SEE SHEET 7 FOR SECTION DETAILS.
6. IT SHALL BE THE CONTRACTOR'S OPTION TO REPLACE ANY EMBEDDED DOWEL BARS OR PREFORMED SLOTS AS SHOWN ON THESE DRAWINGS WITH FULLY RETROFITTED DOWEL BARS FIELD INSTALLED IN ACCORDANCE WITH "DETAIL C" OF SHEET 13. THE CONTRACTOR SHALL USE AN APPROVED TEMPLATE TO LOCATE THE SAW CUTS REQUIRED FOR PROPER SPACING AND RETROFITTING OF THE DOWEL BARS IN ACCORDANCE WITH THESE DRAWINGS. DIAMOND BLADED GANG SAWS SHALL BE USED TO MAKE SAW CUTS PERPENDICULAR TO THE TRANSVERSE (NON-SKEWED) JOINT LINE TO ALLOW FOR DOWEL BAR PLACEMENTS WITHIN THE SPECIFIED TOLERANCES.
7. SEE NOTE 8 ON SHEET 1 FOR LOCATING BEDDING GROUT PORTS.

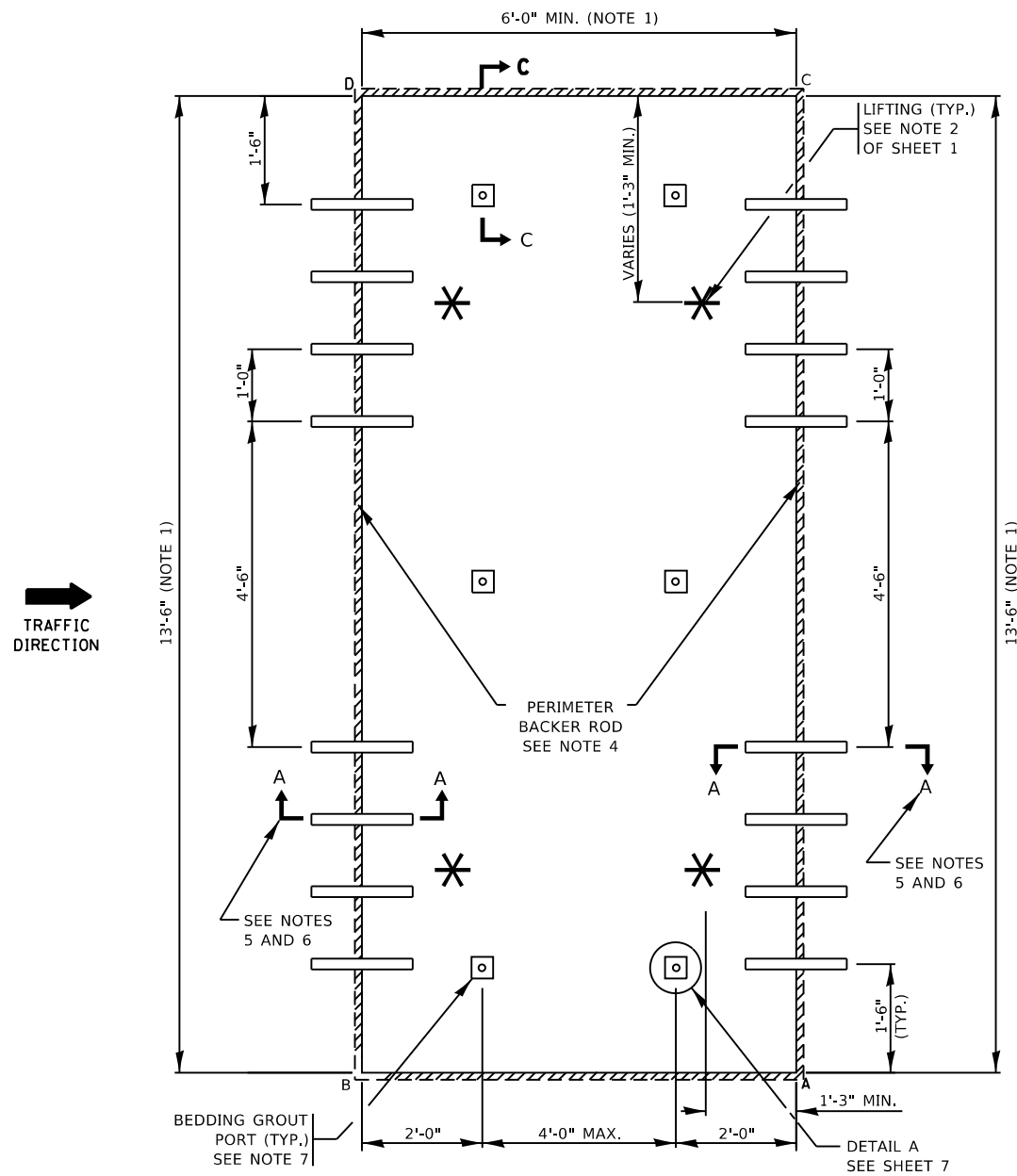
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USER NAME = gorenautab	DESIGNED - O. PATEL	REVISED - D.G. 6-14
PLOT SCALE = 90.0000' / in.	CHECKED -	REVISED - D.G. 9-16
PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED - D.G. 8-19
		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRECAST CONCRETE PAVEMENT SLABS			
SCALE: NONE	SHEET 4 OF 19 SHEETS	STA.	TO STA.

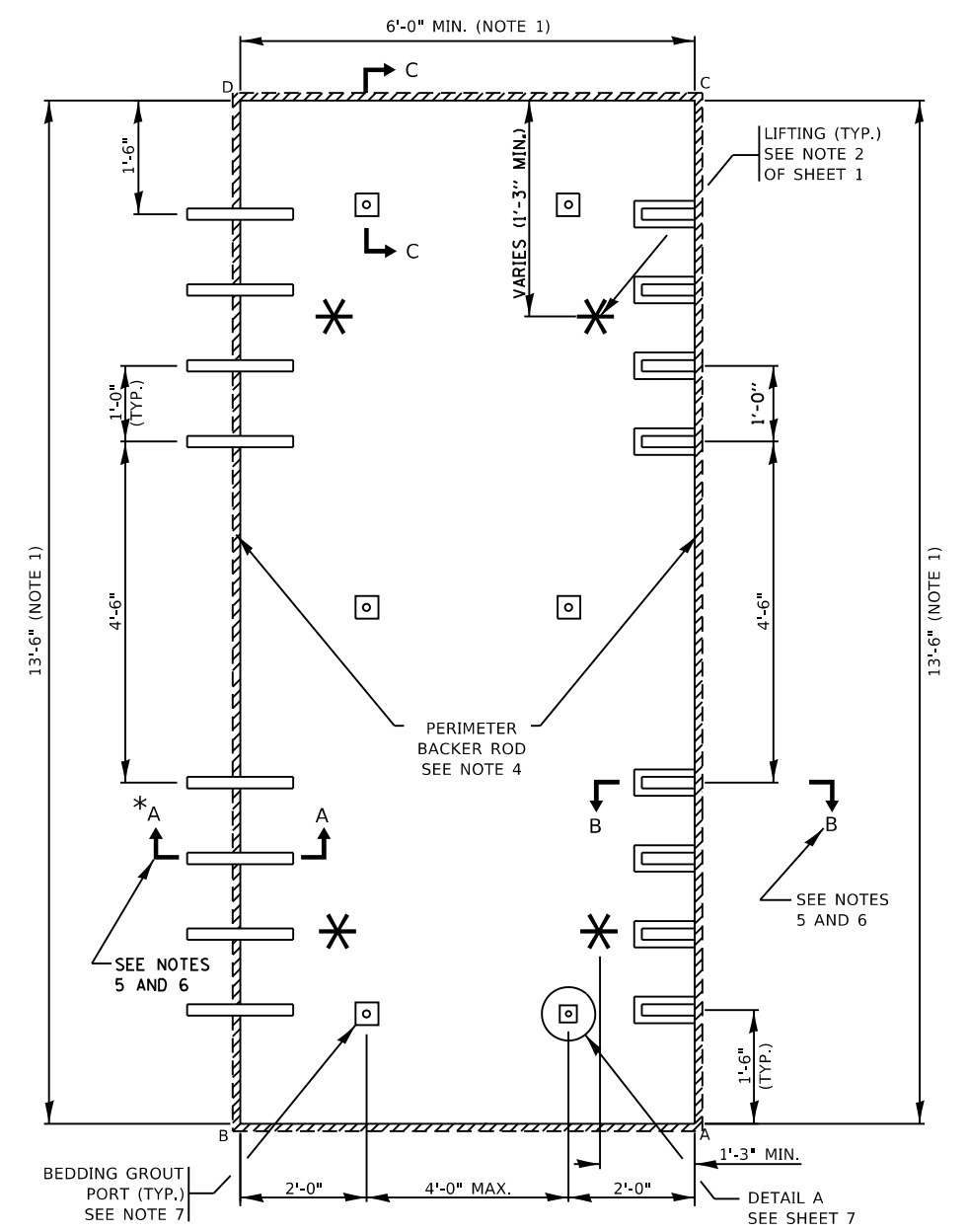
F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 62
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



STANDARD 13'-6" WIDE PANEL LAYOUT FOR ISOLATED PLACEMENT WITH EMBEDDED DOWELS FOR PRECAST WIDE MOUTH SLOTS IN ADJACENT PAVEMENT.

NOTES:

1. THE WIDTH AND LENGTH OF PRODUCED SLABS SHALL BE THE INDICATED DIMENSIONS ON THE PLANS $\pm \frac{1}{8}$ ".
2. FOR MIDDLE LANE SLAB OPENINGS/PATCHES LESS THAN 13'-6" IN WIDTH AND GREATER THAN 12'-6" IN WIDTH, THE STANDARD PERCAST SLAB CAN BE SAW CUT ON-SITE TO FIT THE OPENING AND TO MAINTAIN ALIGNMENT WITH EXISTING LONGITUDINAL JOINTS. OTHERWISE, THE SLAB PATCH LOCATION MUST BE PRESURVEYED BY THE CONTRACTOR AND THE SLAB FABRICATED AS A CUSTOM SLAB.
3. SLAB THICKNESS SHALL BE AS INDICATED IN THE PLANS.
4. A FOAM BACKER ROD SHALL BE PLACED AROUND THE OUTSIDE PERIMETER OF THE SLAB AT THE BOTTOM OF THE JOINTS BEFORE THE SLAB HAS BEEN SET AND BEFORE BEDDING GROUT OR POLYURETHANE LEVELING FILL IS APPLIED. THE BACKER ROD SHALL NOT BE REQUIRED WHEN ANY SLAB IS LEVELED WITH FLOWABLE FILL.
5. SEE SHEET 7 FOR SECTION DETAILS.
6. IT SHALL BE THE CONTRACTOR'S OPTION TO REPLACE ANY EMBEDDED DOWEL BARS OR PREFORMED SLOTS AS SHOWN ON THESE DRAWINGS WITH FULLY RETROFITTED DOWEL BARS FIELD INSTALLED IN ACCORDANCE WITH "DETAIL C" OF SHEET 13. THE CONTRACTOR SHALL USE AN APPROVED TEMPLATE TO LOCATE THE SAW CUTS REQUIRED FOR PROPER SPACING AND RETROFITTING OF THE DOWEL BARS IN ACCORDANCE WITH THESE DRAWINGS. DIAMOND BLADED GANG SAWS SHALL BE USED TO MAKE SAW CUTS PERPENDICULAR TO THE TRANSVERSE (NONSKWEWD) JOINT LINE TO ALLOW FOR DOWEL BAR PLACEMENTS WITHIN THE SPECIFIED TOLERANCES.
7. SEE NOTE 8 ON SHEET 1 FOR LOCATING BEDDING GROUT PORTS.



STANDARD 13'-6" WIDE PANEL LAYOUT FOR CONSECUTIVE PLACEMENT

* FOR INTERNAL CONSECUTIVE SLABS, PREFORMED SLOTS IN ACCORDANCE WITH SECTION B-B OF SHEET 5 MAY BE USED IN-PLACE OF EMBEDDED DOWELS OR OF FIELD RETROFITTED DOWEL BARS WITH SAWCUT SLOTS. ALL PREFORMED SLOTS MUST BE FILLED BEFORE BEING OPENED TO TRAFFIC.

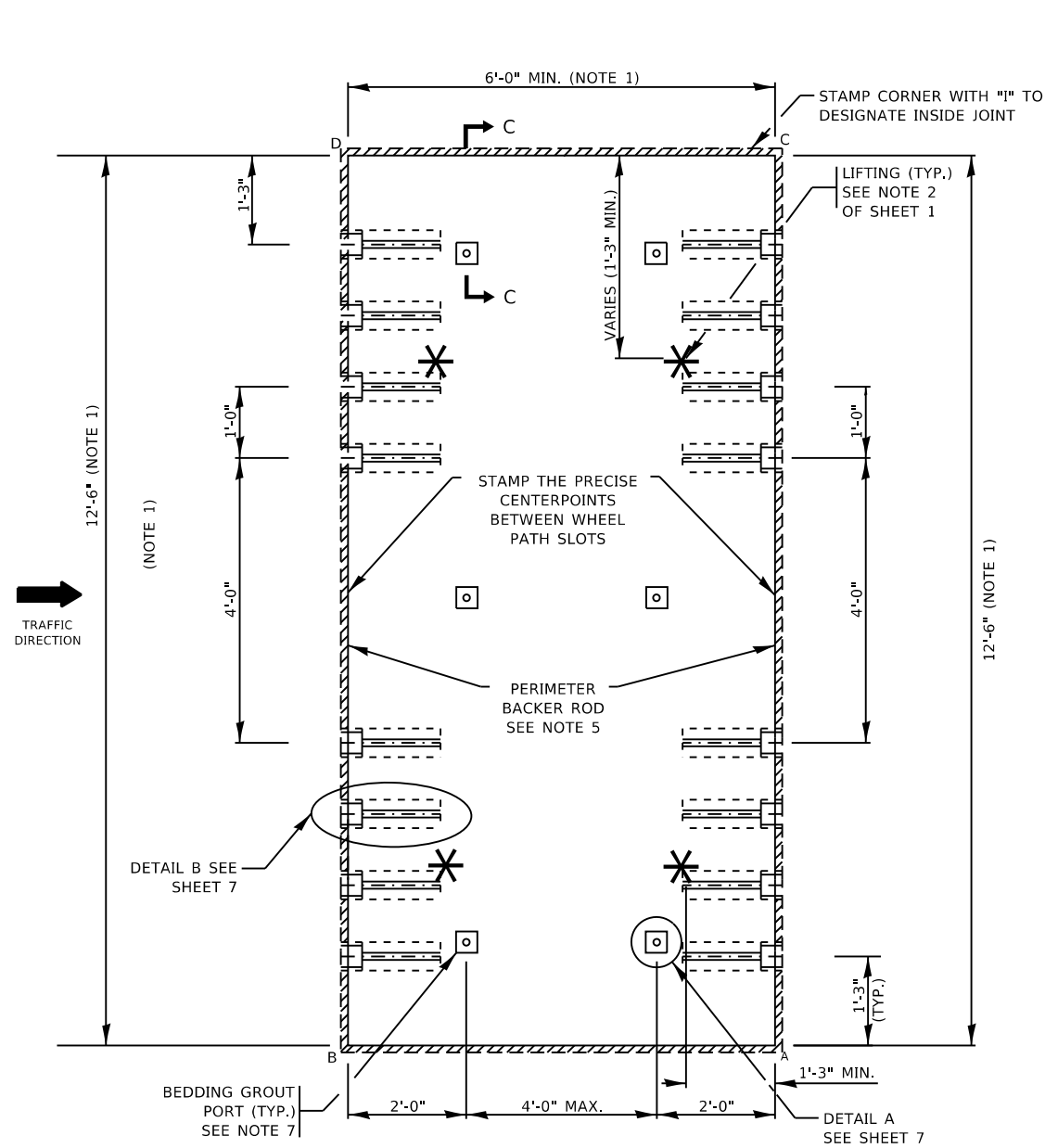
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	DRAWN -	REVISED - D.G. 9-16
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PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED -

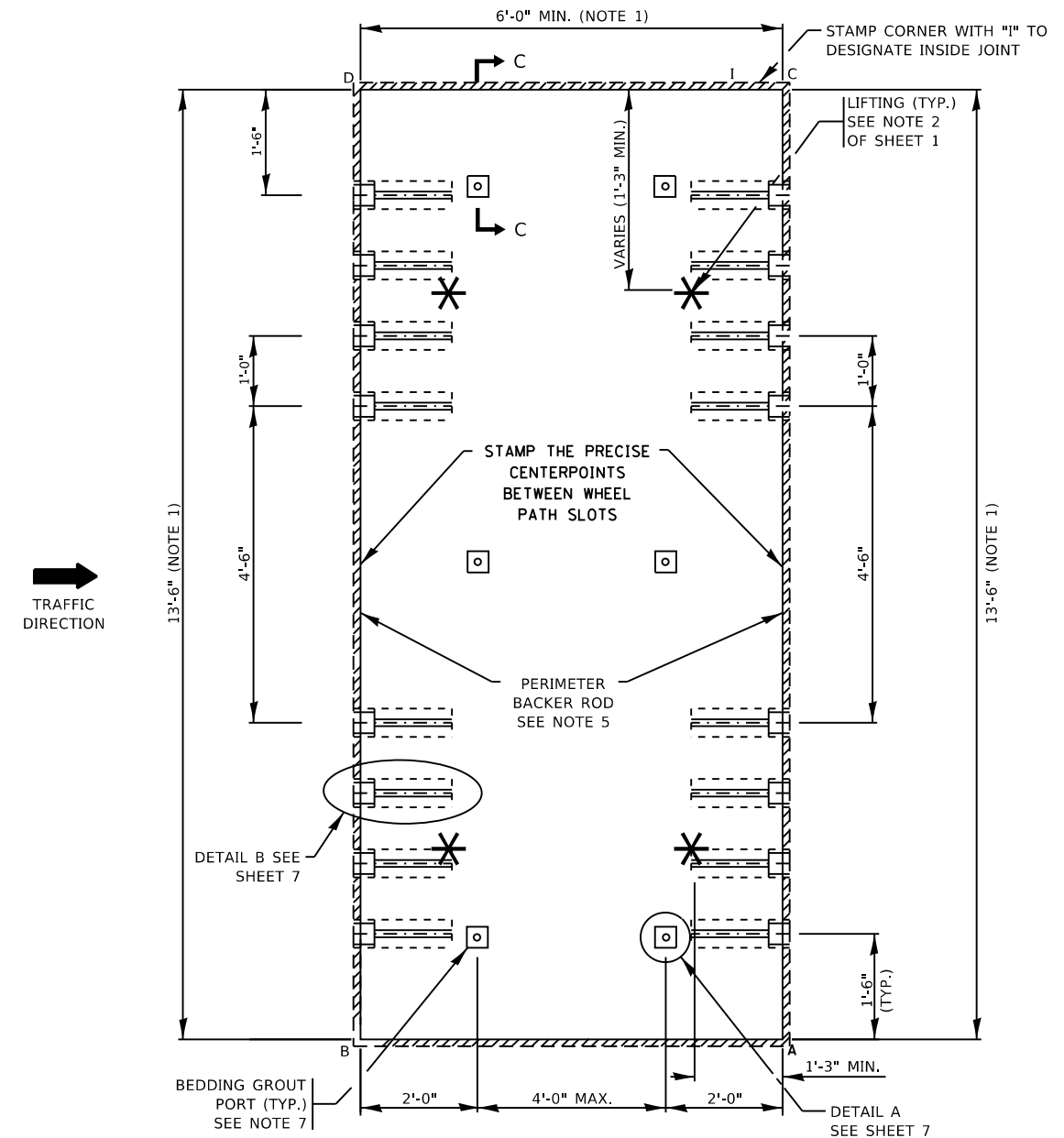
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRECAST CONCRETE PAVEMENT SLABS			
SCALE: NONE	SHEET 5 OF 19 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	63
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



STANDARD 12'-6" WIDE PANEL LAYOUT FOR ISOLATED PLACEMENT WITH NARROW MOUTH PREFORMED DOWEL SLOTS TO ALIGN WITH PREDRILLED HOLES IN ADJACENT PAVEMENT.



STANDARD 13'-6" WIDE PANEL LAYOUT FOR ISOLATED PLACEMENT WITH NARROW MOUTH PREFORMED DOWEL SLOTS TO ALIGN WITH PREDRILLED HOLES IN ADJACENT PAVEMENT.

NOTES:

1. THE WIDTH AND LENGTH OF PRODUCED SLABS SHALL BE THE INDICATED DIMENSIONS ON THE PLANS $\pm 1/8$ ".
2. FOR MIDDLE LANE SLAB OPENINGS/PATCHES LESS THAN 12'-6" IN WIDTH AND GREATER THAN 11'-6" IN WIDTH, THE 12'-6" WIDE STANDARD PERCAST SLAB CAN BE SAW CUT ON-SITE TO FIT THE OPENING AND TO MAINTAIN ALIGNMENT WITH EXISTING LONGITUDINAL JOINTS. OTHERWISE, THE SLAB PATCH LOCATION MUST BE PRESURVEYED BY THE CONTRACTOR AND THE SLAB FABRICATED AS A CUSTOM SLAB.
3. FOR MIDDLE LANE SLAB OPENINGS/PATCHES LESS THAN 13'-6" IN WIDTH AND GREATER THAN 12'-6" IN WIDTH, THE 13'-6" WIDE STANDARD PERCAST SLAB CAN BE SAW CUT ON-SITE TO FIT THE OPENING AND TO MAINTAIN ALIGNMENT WITH EXISTING LONGITUDINAL JOINTS. OTHERWISE, THE SLAB PATCH LOCATION MUST BE PRESURVEYED BY THE CONTRACTOR AND THE SLAB FABRICATED AS A CUSTOM SLAB.
4. SLAB THICKNESS SHALL BE AS INDICATED IN THE PLANS.
5. A FOAM BACKER ROD SHALL BE PLACED AROUND THE OUTSIDE PERIMETER OF THE SLAB AT THE BOTTOM OF THE JOINTS BEFORE THE SLAB HAS BEEN SET AND BEFORE BEDDING GROUT OR POLYURETHANE LEVELING FILL IS APPLIED. THE BACKER ROD SHALL NOT BE REQUIRED WHEN ANY SLAB IS LEVELED WITH FLOWABLE FILL.
6. SEE SHEET 7 FOR SECTION DETAILS.
7. SEE NOTE 8 ON SHEET 1 FOR LOCATING BEDDING GROUT PORTS.

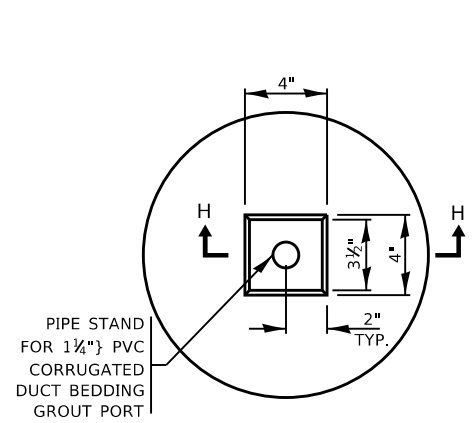
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 SHEET: 6 OF 19
 DATE: 8/16/2019

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PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED -

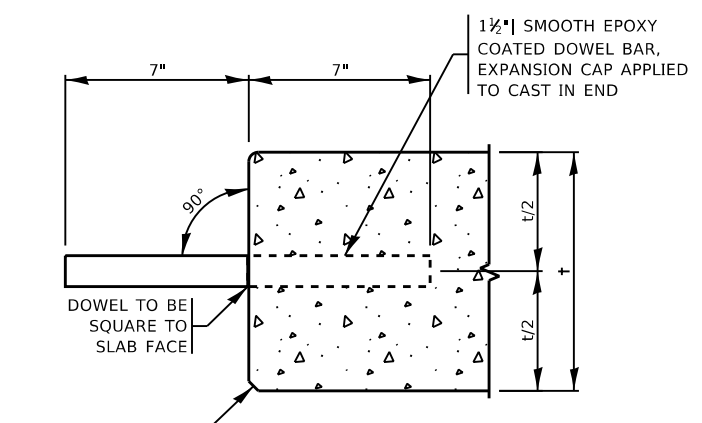
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRECAST CONCRETE PAVEMENT SLABS			
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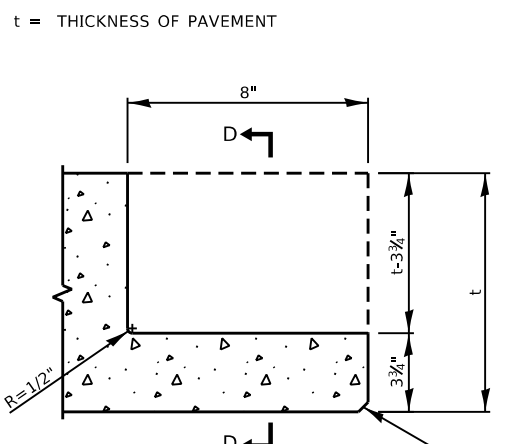
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	64
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



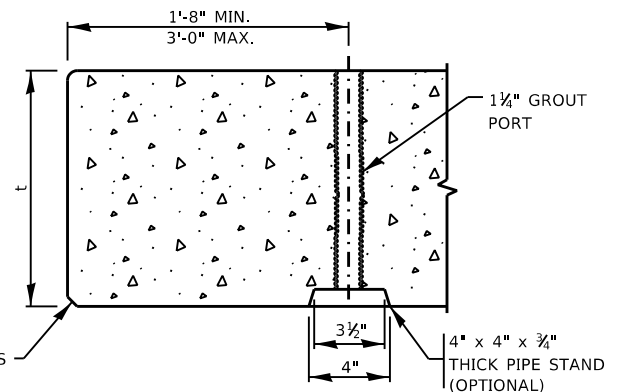
DETAIL A
GROUT PIPE STAND



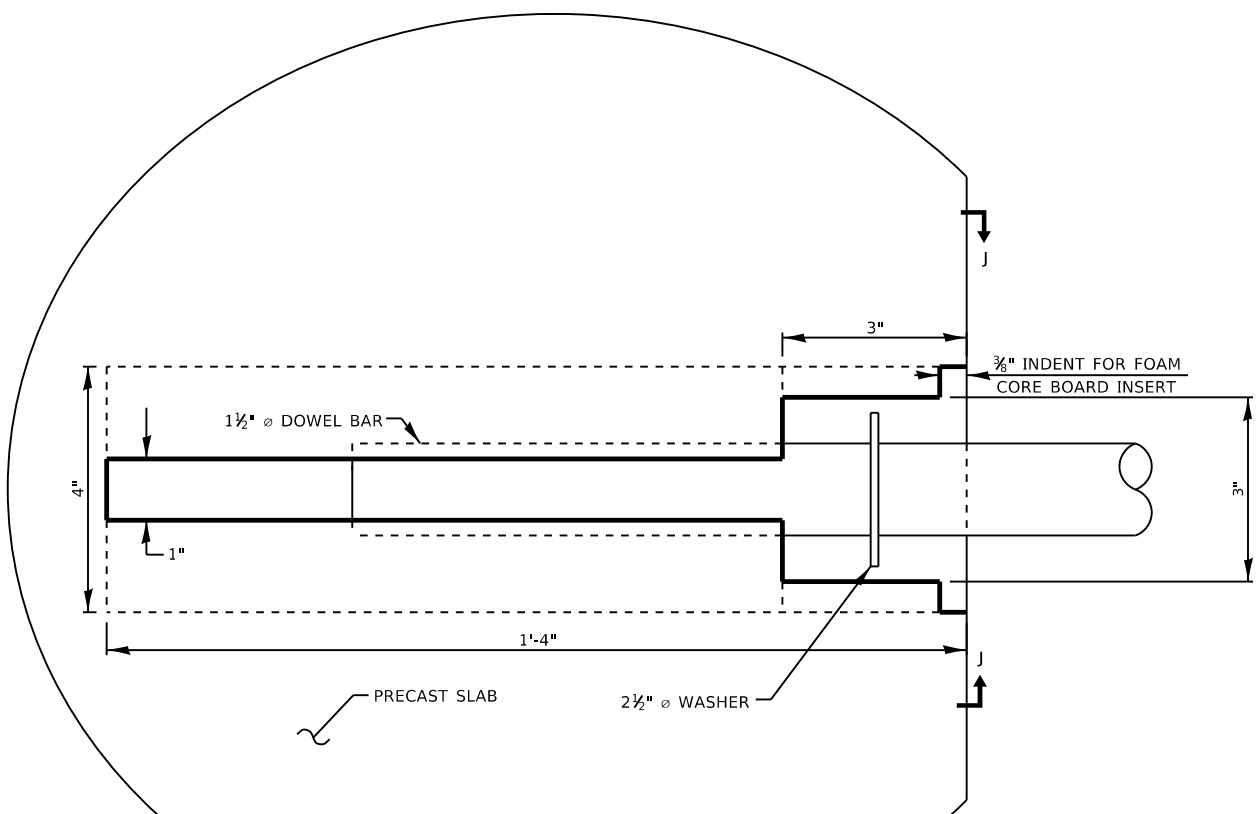
SECTION A-A
TRANSVERSE JOINT-DOWEL BAR (EMBEDDED INTO STANDARD PRECAST PAVEMENT SLAB FOR BOTH ISOLATED AND CONSECUTIVE PLACEMENT-TYP.)



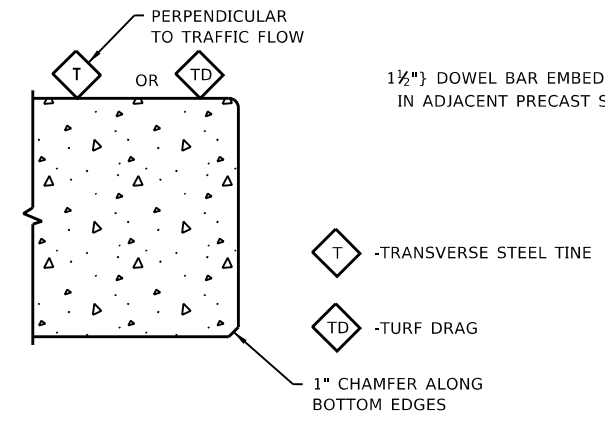
SECTION B-B
TRANSVERSE WIDE MOUTH OPEN SLOT DETAIL FOR CONSECUTIVE STANDARD SLABS



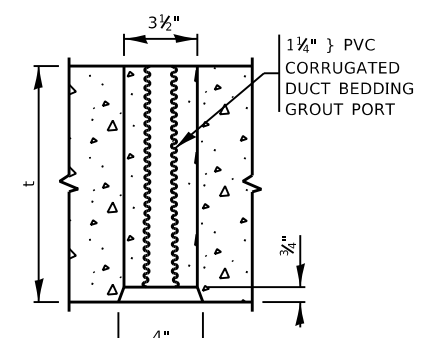
SECTION C-C
GROUT CHANNEL & PORT LOCATION



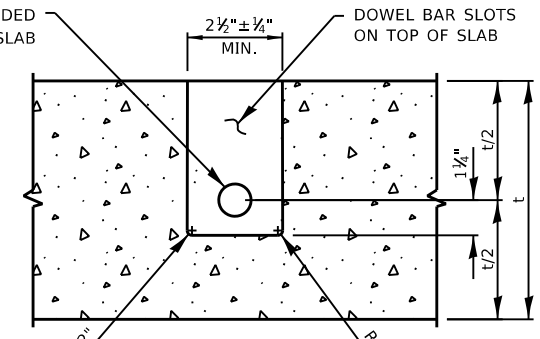
DETAIL B
TRANSVERSE NARROW MOUTH SLOT DETAIL FOR ISOLATED SLABS



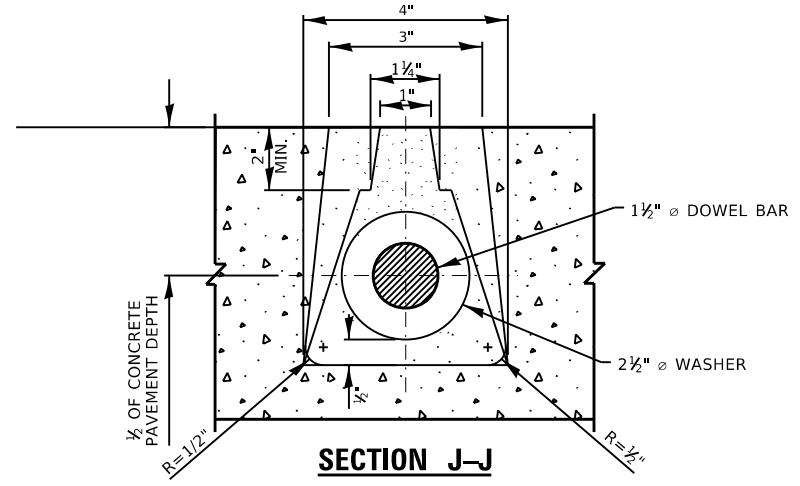
FINISH SCHEDULE



SECTION H-H
PIPE STAND ELEVATION



SECTION D-D
DOWEL BAR SECTION FOR WIDE MOUTH OPEN SLOTS



SECTION J-J
3" TAPER TO 4"x16" LONG DOWEL SLOT

FABRICATION DETAILS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 7 OF 19 SHEETS STA. TO STA.

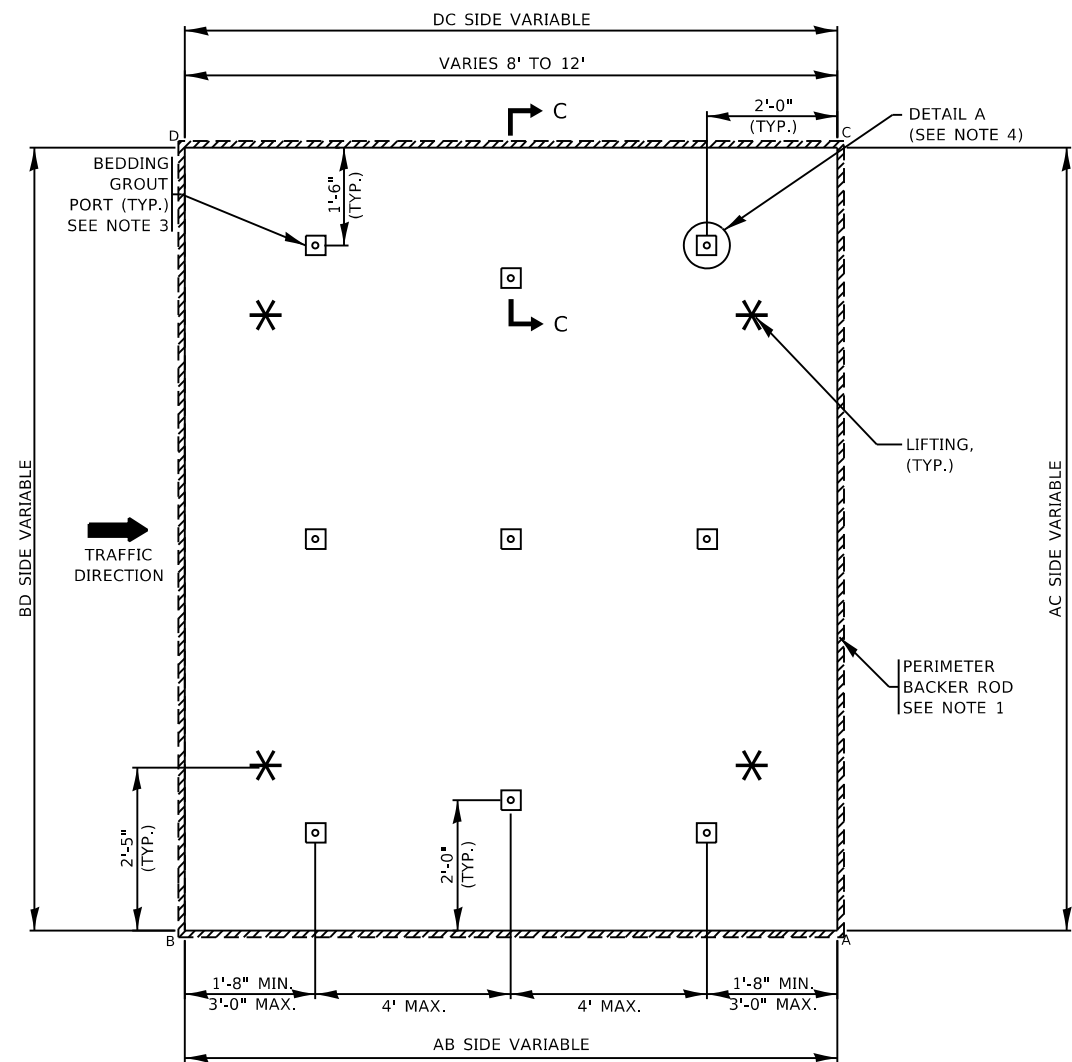
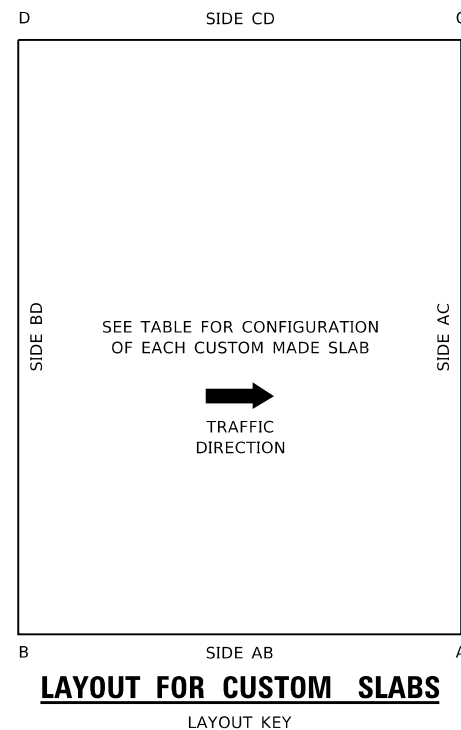
F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 65
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				

FOR NON STANDARD SLABS, UPON COMPLETION BY THE CONTRACTOR A SLAB LAYOUT WILL BE ADDED WITH SLAB DIMENSIONS TO INCLUDE BUT NOT BE LIMITED TO THE TABLE SHOWN BELOW.

EXAMPLE	ROUTE	STATION NUMBER	MAINLINE LANE NO.	RAMP ID.	RAMP LANE NO.	MARK NO.	LANE TYPE	VARIABLES (FT.)				* AB SIDE	* BD SIDE	* CD SIDE	* AC SIDE	AREA (SQ. FT.)	VOLUME (CU. FT.)	WEIGHT (TONS)	DIAGONALS (FT.)	
								AB (FT.)	AC (FT.)	BD (FT.)	CD (FT.)								AD	BC

MAINLINE LANE NO.: LANE NO. 1 IS ADJACENT TO MEDIAN SHOULDER.
 RAMP LANE NO.: LANE NO. 1 IS ADJACENT TO INSIDE SHOULDER
 MARK NO.: EACH PANEL SHALL BE INDIVIDUALLY MARKED FOR CORRECT PLACEMENT.
 LANE TYPE: *OUT* IN THIS COLUMN INDICATES OUTSIDE LANE.
 MID IN THIS COLUMN INDICATES MIDDLE LANE.
 IN IN THIS COLUMN INDICATES INSIDE LANE

*** LEGEND**
 DB= DOWEL BAR EMBEDDED
 DS= DOWEL SLOT
 ST= SLOT OR HOLE FOR STITCHED TIE BAR
 RD= FIELD RETROFITTED DOWEL BARS



NOTES:

1. A FOAM BACKER ROD SHALL BE PLACED AROUND THE OUTSIDE PERIMETER OF THE SLAB AT THE BOTTOM OF THE JOINTS BEFORE THE SLAB HAS BEEN SET AND BEFORE BEDDING GROUT OR POLYURETHANE LEVELING FILL IS APPLIED. THE BACKER ROD SHALL NOT BE REQUIRED WHEN ANY SLAB IS LEVELED WITH A FLOWABLE FILL.
2. EITHER SINGLE DIAMOND BLADED SAWS OR DIAMOND BLADED GANG SAWS SHALL BE USED TO MAKE THE SAW CUTS PERPENDICULAR TO THE TRANSVERSE (NONSKEWED) JOINT LINE TO ALLOW FOR DOWEL BAR PLACEMENTS WITHIN THE SPECIFIED TOLERANCES.
3. SEE NOTE 8 ON SHEET 1 FOR LOCATING BEDDING GROUT PORTS.
4. SEE SHEET 7 FOR SECTION DETAILS.

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PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 8 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	66
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				

INSTALLATION GENERAL NOTES

ALIGNMENT

1. WHEN THE TRANSVERSE JOINTS OF ANY PRECAST SLAB CAN NOT BE ALIGNED WITH TRANSVERSE JOINTS IN ADJACENT LANES, A MINIMUM 2'-0" OFFSET BETWEEN JOINTS SHALL BE PROVIDED.
2. THE LONGITUDINAL JOINT OF ANY ISOLATED OR CONSECUTIVE STANDARD PRECAST SLAB MUST BE ALIGNED TO BE PARALLEL WITH EXISTING LONGITUDINAL JOINTS. NO LONGITUDINAL OFFSETS SHALL BE ALLOWED. THE WIDTH OF ANY OF THE STANDARD PRECAST SLABS SHALL BE SAW CUT ON-SITE TO BE ALIGNED WITH THE EXISTING LONGITUDINAL JOINTS IN ADJACENT LANES OF EXISTING CONCRETE PAVEMENTS. THE WIDTH OF THE PRECAST SLAB SHALL BE NO MORE THAN 1#2 INCH LESS THAN THE WIDTH OF THE EXISTING SLAB BEING REPLACED. IF A STANDARD SLAB DOES NOT COMPLY WITH TOLERANCES FOR MAXIMUM AND MINIMUM WIDTHS FOR A DESIGNATED LOCATION, THEN A CUSTOM SLAB SHALL BE REQUIRED TO BE PRODUCED AND PLACED.
3. THE TRANSVERSE JOINT OF ANY PRECAST SLAB SHALL BE NO LESS THAN 4'-0" DISTANCE FROM AN EXISTING TRANSVERSE JOINT THAT REMAINS, OR NO LESS THAN 2'-0" DISTANCE PAST ANY EXISTING TRANSVERSE JOINT THAT IS REMOVED AND REPLACED WITH A PRECAST SLAB.
4. PRIOR TO THE PLACEMENT OF AN ISOLATED STANDARD PRECAST SLAB IN A MIDDLE LANE, THE WIDTH BETWEEN EXISTING LONGITUDINAL CONCRETE PAVEMENT JOINTS SHALL BE MEASURED BY THE CONTRACTOR UNDER MAINTENANCE OF TRAFFIC PROVIDED BY THE CONTRACTOR. ONLY APPROXIMATE WIDTHS SHALL BE MEASURED BY AND PROVIDED BY THE DESIGNER FOR BIDDING PURPOSES. THE CONTRACTOR'S WIDTH MEASUREMENTS SHALL BE USED TO DETERMINE THE NEED FOR ANY ON-SITE SAWCUTS OF THE LONGITUDINAL EDGES TO FIT THE OPENING AND TO ALIGN THE SAW CUT EDGE(S) WITH ANY EXISTING LONGITUDINAL JOINTS. THE LONGITUDINAL EDGES OF ANY STANDARD SLAB SHALL NOT BE SAW CUT MORE THAN 6 INCHES OFF THE ORIGINAL EDGE. NO NEW LONGITUDINAL JOINT SHALL BE ALLOWED INSIDE THE EXISTING JOINT BY MORE THAN 3#8 INCH. IF THESE TOLERANCES CAN NOT BE MET, THEN A CUSTOM SLAB SHALL BE REQUIRED. FOR ISOLATED STANDARDS SLABS PLACED IN THE OUTSIDE OR INSIDE LANES, THE NEW CONCRETE LONGITUDINAL JOINT SHALL MATCH THE EXISTING JOINT. THE STANDARD PRECAST SLAB MAY EXTEND INTO THE EXISTING HMA SHOULDERS NO MORE THAN 6 INCHES TO ALLOW FOR PROPER ALIGNMENT OF THE CONCRETE JOINTS. THE ONLY ALTERNATIVE TO ON-SITE SAW CUTTING OF ISOLATED STANDARD SIZES PRE-FABRICATED SLABS IS TO DESIGN AND FABRICATE EACH SLAB, TAKING WIDTH MEASUREMENTS AT THE BEGINNING OF A PROJECT AND THEN FABRICATING THE SLAB TO FIT THE SPECIFIC OPENING DIMENSIONS.
5. FOR STANDARD SLAB PLACEMENTS, A TEMPLATE SUPPLIED BY THE PRECAST FABRICATOR SHALL BE USED TO LOCATE THE PERIMETER SAW CUTS FOR THE SLAB. THE TEMPLATE MAY BE USED TO MARK LONGITUDINAL EDGE SAW CUT LOCATIONS ON A PRECAST SLAB TO FIT THE SAME PATCH OPENING THAT THE TEMPLATE WAS USED FOR TO LOCATE A PERIMETER SAW CUT. IF THE SLAB DOWEL BAR IS RETROFITTED OR FABRICATED FOR INSERTED DOWELS, THE TEMPLATE MAY ALSO BE USED FOR THE EMBEDDED /SLOTTED DOWEL BAR LOCATIONS TO BE RETROFITTED OR INSERTED INTO EXISTING PAVEMENT.

LOAD TRANSFER

6. ACROSS STANDARD SLABS
 - A. THE EMBEDDED DOWEL BARS OF ISOLATED STANDARD PRECAST SLABS SHALL BE RETROFITTED INTO EXISTING CONCRETE PAVEMENT IN ACCORDANCE WITH DETAIL D (SEE SHEET 14).
 - B. THE EMBEDDED DOWEL BARS OF CONSECUTIVE STANDARD SLABS SHALL BE:
 - i) RETROFITTED INTO THE EXISTING CONCRETE PAVEMENT AT THE LOCATION OF THE FIRST SLAB PLACEMENT IN ACCORDANCE WITH DETAIL D (SEE SHEET 14).
 - ii) RETROFITTED INTO THE PREFORMED SLOTS OF ADJACENT PRECAST SLABS IN ACCORDANCE WITH DETAIL E (SEE SHEET 15).
 - iii) EITHER FULLY RETROFITTED INTO THE PREFORMED SLOT OF THE LAST INSTALLED CONSECUTIVE PRECAST SLAB AND THE ADJACENT CONCRETE PAVEMENT IN ACCORDANCE WITH DETAIL F (SEE SHEET 16), OR PARTIALLY RETROFIT AN EMBEDDED DOWEL BAR OF A STANDARD ISOLATED SLAB INTO ADJACENT PAVEMENT AS THE LAST INSTALLED CONSECUTIVE PRECAST SLAB IN ACCORDANCE WITH DETAIL D (SEE SHEET 14).
 - C. FOR PRECAST STANDARD SLABS WITH NO EMBEDDED DOWEL BARS AND WITHOUT NARROW MOUTH PREFORMED SLOTS FOR DOWEL INSERTIONS, THE DOWEL BARS SHALL BE FULLY RETROFITTED ACROSS ALL TRANSVERSE JOINTS IN THE FIELD IN ACCORDANCE WITH DETAIL C (SEE SHEET 13). THE LOCATIONS AND SPACING OF ALL FIELD RETROFITTED DOWEL BARS SHALL COMPLY WITH THE SPECIFIED TOLERANCES AS SHOWN ON SHEETS 4 AND 5.

- D. FOR PRECAST STANDARD SLABS WITH LONG AND NARROW MOUTH PREFORMED SLOTS AS SHOWN ON SHEET 6, THE LOCATIONS FOR PREDRILLED HOLES FOR DOWEL BAR INSERTIONS SHALL BE ALIGNED WITH THE PREFORMED SLOTS IN THE SPECIFIC PANEL BEING PLACED. ONLY GANG DRILLS WILL BE USED TO DRILL THE HOLES. THE HOLES SHALL BE PARALLEL TO THE GRADE AND CENTERLINE OF THE PAVEMENT WITH A TOLERANCE OF 1/8 INCH IN 12 INCHES. THE DRILLING OPERATION SHALL NOT CRACK OR SPALL THE PAVEMENT. BEFORE SLAB PLACEMENT, THE DOWEL BARS SHALL BE PLACED WITHIN THE ELONGATED SLOTS AND THE PREDRILLED HOLES THOROUGHLY CLEANED OF DRILLING DEBRIS. AFTER SLAB PLACEMENT, THE DOWEL BARS WILL BE SLID INTO THE PREDRILLED HOLES AND EPOXIED IN ACCORDANCE WITH ARTICLE 442.06(a)(2) OF THE STANDARD SPECIFICATIONS WITH RETENTION DISKS OR WASHERS PLACED AGAINST THE FACE OF THE SLAB. SEE DETAIL G OF SHEET 17. IMMEDIATELY PRIOR TO FILLING THE PREFORMED SLOT WITH BACKFILL GROUT, THE EXPOSED ENDS OF THE DOWEL BARS SHALL BE CLEANED AND LIGHTLY OILED IN SUCH A MANNER AS TO NOT CONTAMINATE THE SURFACE OF ANY CLEANED SLOT AND THE FOAM CORE BOARD SHALL BE INSERTED AT THE FACE OF THE ADJACENT SLAB.

7. ACROSS CUSTOM MADE SLABS

- A. THE DOWEL BARS OF CUSTOM DESIGNED PRECAST SLABS PLACED CONSECUTIVELY, PLACED ON WARPED GRADES, OR PLACED ON RAMPS SHALL BE FULLY RETROFITTED ACROSS THE JOINT IN THE FIELD IN ACCORDANCE WITH DETAIL C (SEE SHEET 13). FOR ALL SUCH CUSTOM SLABS, THE DOWELS BETWEEN ANY EXISTING CONCRETE PAVEMENT AND ANY ADJACENT PRECAST SLABS, AND BETWEEN CONSECUTIVELY PLACED CUSTOM PRECAST SLABS SHALL BE 1'-0" ON CENTER ACROSS THE ENTIRE JOINT.
- B. THE DOWEL BARS OF CUSTOM DESIGNED ISOLATED PRECAST SLABS PLACED ON TANGENT MAINLINE PAVEMENT FOR MID SLAB CRACK REPAIR OR FOR JOINT REPLACEMENT CAN BE EITHER RETROFITTED ACROSS THE JOINT IN ACCORDANCE WITH DETAIL C (SEE SHEET 13), OR FULLY INSERTED INTO THE ADJACENT PAVEMENT IN ACCORDANCE WITH DETAIL G (SEE SHEET 17). THE LOCATIONS AND SPACING OF ALL FIELD RETROFITTED OR FIELD INSERTED DOWEL BARS SHALL COMPLY WITH THE SPECIFIED TOLERANCES AS SHOWN ON SHEETS 4 AND 5. FIELD INSERTION OF DOWEL BARS SHALL BE IN ACCORDANCE WITH NOTE 6(D) ABOVE.
- C. NO END DOWEL BARS SHALL BE RETROFITTED OR INSERTED WITHIN 8" OR NO MORE THAN 1'-7" FROM THE CORNER OF THE PRECAST SLAB OR ADJOINING CONCRETE PAVEMENT SLAB THAT EXISTS.

LONGITUDINAL TIE BAR STITCHING

8. THE LOCATIONS OF LONGITUDINAL TIE BARS SHALL BE DETERMINED BASED ON THE CRITERIA THAT LONGITUDINAL TIES SHALL BE REQUIRED FOR ANY CLASS B FULL DEPTH REPAIR AND PRECAST REPAIR GREATER THAN 20 FT. IN LENGTH OR WITH ANY PRECAST REPAIR THAT REQUIRES MORE THAN 3 CONSECUTIVE PRECAST SLABS.
9. THE SPACING BETWEEN TIE BARS SHALL BE NO LESS THAN 24 INCHES. TIE BAR INSERTIONS SHALL BE NO LESS THAN 24 INCHES FROM ANY EXISTING TRANSVERSE JOINT OR FROM THE LOAD TRANSFER JOINTS OF ANY PLACED PRECAST SLAB OR CAST-IN-PLACE CONCRETE PATCH IN EITHER LANE ADJACENT TO THE LONGITUDINAL JOINT. THE PROCEDURE AND LOCATIONS FOR TIE BAR STITCHING SHALL BE IN ACCORDANCE WITH DETAIL H (SEE SHEET 19).

MATERIALS

10. FOR GRADE SUPPORTED PRECAST SLABS, THE BEDDING AND UNDERSEALING MATERIAL FOR LEVELING AND SUPPORT SHALL CONSIST OF:
 - A. LEVELING SAND SHALL BE 100% CRUSHED FINE AGGREGATE OF AN FA-6, FA-20, OR FA-21 GRADATION AS SPECIFIED IN SECTION 1003 OF THE STANDARD SPECIFICATIONS. THE FINE AGGREGATE SHALL BE REASONABLY FREE FROM AN EXCESS OF SOFT AND UNSOUND PARTICLES AND OTHER OBJECTIONABLE MATTER. THE TYPICAL THICKNESS OF THE LEVELING SAND LAYER SHALL BE APPROXIMATELY 1/2 INCH WITH A MAXIMUM THICKNESS OF 1 INCH.
 - B. FOR GRADE SUPPORTED SLABS, UNDERSEALING GROUT SHALL BE USED AFTER SLAB INSTALLATION TO FILL ALL VOIDS BENEATH THE PRECAST PANELS. THE MIXTURE USED FOR UNDERSEALING GROUT SHALL CONSIST OF PORTLAND CEMENT, FLY ASH, GROUND GRANULATED BLAST FURNACE SLAG (OPTIONAL), A SUPERPLASTICIZER, AND WATER ALL IN ACCORDANCE WITH DIVISION 1000 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT THE PROPOSED MIX DESIGN FOR UNDERSEALING GROUT TO THE ENGINEER FOR DEPARTMENT APPROVAL PRIOR TO PLACEMENT. THE UNDERSEALING GROUT PRODUCED SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - i) THE UNDERSEALING GROUT SHALL REMAIN FLUID AND NOT EXHIBIT A RESISTANCE TO FLOW FOR A MINIMUM OF ONE HOUR. THE GROUT MIXTURE SHALL HAVE A FLOW RATE OF 15 TO 25 SECONDS AS MEASURED BY ASTM C 939 TO ENSURE FLUIDITY.

- i) THE UNDERSEALING GROUT SHALL ACHIEVE AN INITIAL SET IN LESS THAN 4 HOURS AND A COMPRESSIVE STRENGTH AS MEASURED BY ASTM C 942 OF 300 PSI BEFORE OPENING THE SLAB TO TRAFFIC AND A COMPRESSIVE STRENGTH OF 500 PSI IN 12 HOURS.

11. FOR PRECAST SLABS SUPPORTED AND LEVELED BY FLOWABLE FILL PLACED BEFORE SLAB INSTALLATION, THE FLOWABLE FILL SHALL CONSIST OF PORTLAND CEMENT, FLY ASH, COARSE AND/OR FINE AGGREGATES, WATER, AND AIR ENTRAINING ADMIXTURE (OPTIONAL). THE CONTRACTOR SHALL SUBMIT THE PROPOSED MIX DESIGN FOR FLOWABLE FILL TO THE ENGINEER FOR DEPARTMENT APPROVAL PRIOR TO PLACEMENT. THE FLOWABLE FILL PRODUCED SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - i) PORTLAND CEMENT SHALL BE TYPE 1 CEMENT IN ACCORDANCE WITH SECTION 1001 OF THE STANDARD SPECIFICATIONS.
 - ii) FLY ASH SHALL BE IN ACCORDANCE WITH SECTION 1010 OF THE STANDARD SPECIFICATIONS.
 - iii) FINE AGGREGATE SHALL BE IN ACCORDANCE WITH SECTION 1003 OF THE STANDARD SPECIFICATIONS.
 - iv) COARSE AGGREGATE, IF USED, SHALL BE IN ACCORDANCE WITH SECTION 1004 OF THE STANDARD SPECIFICATIONS WITH A MAXIMUM AGGREGATE SIZE OF 1#2 INCH.
 - v) IF AN AIR ENTRAINMENT ADMIXTURE IS USED, THE AIR CONTENT OF THE FLOWABLE FILL SHALL NOT EXCEED 35% OF THE FLOWABLE FILL VOLUME.
 - vi) THE COMPRESSIVE STRENGTH OF THE FLOWABLE FILL MIXTURE SHALL NOT BE LESS THAN 50 PSI AT 3 DAYS, NOR LESS THAN 75 PSI OR GREATER THAN 150 PSI AT 28 DAYS.
 - vii) THE FINAL SET TIME SHALL BE DETERMINED IN ACCORDANCE WITH ASTM C403 ON A TRIAL BATCH SPECIMEN.
 - viii) THE MAXIMUM THICKNESS OF THE LEVELING FILL SHALL BE 1 INCH

12. FOR PRECAST SLABS SUPPORTED AND LEVELED BY HIGH-DENSITY FOAM PLACED AFTER SLAB INSTALLATION, THE HIGH-DENSITY FOAM SHALL BE EXPANDING POLYURETHANE FOAM HAVING A WATER INSOLUBLE DILUENT AND SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - i)

DENSITY (LBS./CU. FT.)-AIR RISE	6.0 MIN.
TENSILE STRENGTH (PSI) ASTM D 1623	100 MIN.
ELONGATION (%)	5.1
COMPRESSIVE STRENGTH (PSI) ASTM D 1621 (AT YIELD)	100 MIN.
VOLUME CHANGE (% OF ORIGINAL)	0

 THE MANUFACTURER SHALL PROVIDE DOCUMENTATION THAT THE LOT(S) OF FOAM MEETS THE SPECIFIED PROPERTIES. MANUFACTURER'S CERTIFICATION SHALL LIST LOT NUMBER(S) AND DOCUMENTATION OF COMPLIANCE WITH THE SPECIFICATION.
 - ii) THE MAXIMUM THICKNESS OF THE HIGH DENSITY FOAM SHALL BE 1 INCH.

13. HARDWARE GROUT/ADHESIVES

- A. FOR DOWEL BAR RETROFITS OR INSERTIONS, FOR THE FILLING OF ANY GROUT PORT HOLES USED FOR HIGH DENSITY FOAM INJECTIONS, FOR THE FILLING OF DOWEL SLOTS AND FOR THE FILLING OF RECESSED LIFTING DEVICES, THE BACKFILL MATERIAL SHALL BE:
 - 1) FIVE STAR HIGHWAY PATCH AS MANUFACTURED BY FIVE STAR PRODUCTS INC. FAIRFIELD, CONNECTICUT.
 - 2) HIGHWAY DB RETROFIT MORTAR AS MANUFACTURED BY DAYTON SUPERIOR, MIAMISBURG, OHIO.
 - 3) A DEPARTMENT APPROVED EQUIVALENT THAT HAS BEEN TESTED AS A RAPID SET CONCRETE PATCHING MATERIAL PER THE AASHTO NATIONAL TRANSPORTATION PRODUCT EVALUATION PROGRAM (NTPEP), WHICH CONFORMS TO ASTM C 928. THE GROUT MATERIAL IS REQUIRED TO PROVIDE A COMPRESSIVE STRENGTH OF 4,000 PSI IN 24 HOURS (OPENING TO TRAFFIC AFTER 3,000 PSI) PER ASTM C 39, EXHIBITS EXPANSION OF LESS THAN 0.10 PERCENT PER ASTM C 531, AND HAS A CALCULATED DURABILITY FACTOR OF 90.0 PERCENT MINIMUM AT THE END OF 300 FREEZE-THAW CYCLES PER ASTM C 666. THE PROPOSED MATERIAL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ANY PLACEMENT.
- B. FOR TIE BAR STITCHING AN APPROVED CHEMICAL ADHESIVE IN ACCORDANCE WITH ARTICLE 1027.01 OF THE STANDARD SPECIFICATIONS SHALL BE USED AS THE ANCHORING MATERIAL FOR STITCHED TIE BARS.
- C. FOR DOWEL BAR INSERTIONS, AN APPROVED CHEMICAL ADHESIVE OR EPOXY IN ACCORDANCE WITH ARTICLE 1027.01 OF THE STANDARD SPECIFICATIONS SHALL BE USED WITH PLACEMENT IN ACCORDANCE WITH ARTICLE 442.06 (a)(2) OF THE STANDARD SPECIFICATIONS WITH RETENTION DISCS OR WASHERS PLACED AGAINST THE FACE OF THE SLAB.

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	USER NAME = gorenautab	DESIGNED - O. PATEL	REVISED - D.G. 6-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE PAVEMENT SLABS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED - D.G. 9-16		SCALE: NONE	SHEET 9	OF 19	SHEETS	STA.	TO STA.	341	2018-070-R5	COOK	85	67
	PLOT SCALE = 90.0000 ' / in.	CHECKED -	REVISED -		BD 57			CONTRACT NO. 62H21							
	PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED -		ILLINOIS			FED. AID PROJECT							

INSTALLATION GENERAL NOTES

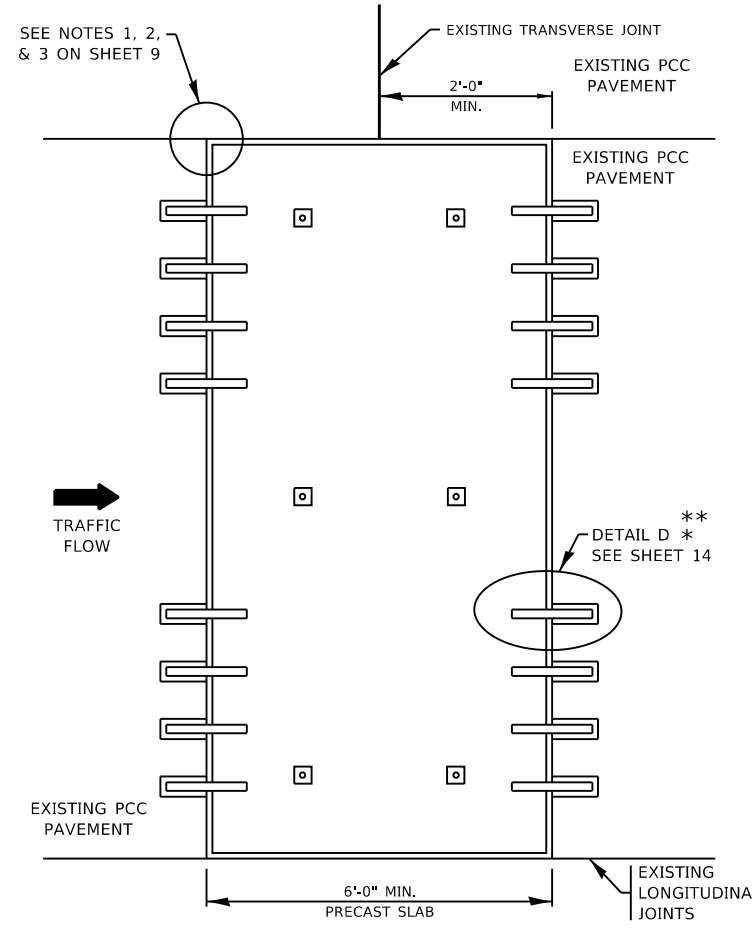
14. EPOXY COATED DOWEL BARS SHALL COMPLY WITH THE REQUIREMENTS OF ARTICLE 1006.06 (b) OF THE STANDARD SPECIFICATIONS. ANY ADDITIONAL MATERIAL REQUIRED FOR DOWEL BAR RETROFITTING SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "DOWEL BAR RETROFIT".
 15. EPOXY COATED TIE BARS FOR STITCHING SHALL COMPLY WITH THE REQUIREMENTS OF ARTICLE 1006.10 OF THE STANDARD SPECIFICATIONS.
 16. THE BACKER ROD USED AS A SEAL RESERVOIR GASKET AROUND THE PERIMETER OF A SLAB, NEAR THE TOP OF THE JOINTS, SHALL BE A CLOSED-CELL. PLASTIC FOAM ROD COMPATIBLE WITH THE SEALANT AND THE ELEVATED TEMPERATURES OF FINAL JOINT SEALANT APPLICATION. A CLOSED CELL PLASTIC FOAM BACKER ROD OF 3/8" DIAMETER SHALL BE PINNED OR NAILED TO THE FINISHED BASE AROUND THE PERIMETER OF EACH OPENING BEFORE THE PANELS ARE SET.
- EQUIPMENT**
17. FOR BASE PREPARATION, A MECHANICALLY-CONTROLLED SCREEDING DEVICE OR STRAIGHTEDGE DEVICE CAPABLE OF GRADING FULLY COMPACTED FINE AGGREGATE USED AS THE LEVELING SAND TO A TOLERANCE OF 1/8" INCH PER 6 FT. LENGTHS OF PLACEMENT.
 18. CHIPPING HAMMERS SHALL BE HAND HELD AND HAVE A MAXIMUM WEIGHTS OF 30 LBS. PRIOR TO ANY HANDLE MODIFICATION WHERE APPLICABLE.
 19. WITH ANY FIELD RETROFITTING OF DOWEL BARS, A TEMPLATE SHALL BE ROUTINELY USED FOR ALL STANDARD SLABS IN ORDER TO LOCATE AND ALIGN THE SAWCUTS CONSISTENTLY. EITHER SINGLE DIAMOND BLADED SAWS OR DIAMOND BLADED GANG SAWS SHALL BE USED TO MAKE SAW CUTS PERPENDICULAR TO THE TRANSVERSE (NON-SKEWED) JOINT LINE TO ALLOW FOR DOWEL BAR PLACEMENTS WITHIN THE FOLLOWING TOLERANCES:
 - ± 1/2" INCH OF THE MIDDLE OF THE CONCRETE SLAB DEPTH.
 - ± 1/2" INCH OF BEING CENTERED OVER THE TRANSVERSE JOINT
 - ± 1/4" FROM PARALLEL TO THE CENTERLINE OVER 12 INCHES OF THE BAR
 - ± 1/4" FROM PARALLEL TO THE ROADWAY SURFACE OVER 12 INCHES OF THE BAR
 SAWCUTS SAWED ACROSS SKEWED JOINTS SHOULD ALLOW EQUAL LENGTH OF THE DOWEL BAR TO BE PLACED ACROSS THE TRANSVERSE JOINT. THE ALIGNMENT OF SAWCUTS MUST BE PARALLEL TO THE ROADWAY CENTERLINE, REGARDLESS OF TRANSVERSE JOINT SKEW.
 20. WITH ANY FIELD INSERTIONS OF DOWEL BARS INTO PREDRILLED HOLES, THE DRILLING MACHINE SHALL BE IN ACCORDANCE WITH ARTICLE 442.03(g) OF THE STANDARD SPECIFICATIONS. HAND HELD DRILLING TOOLS WILL NOT BE ALLOWED.
 21. THE COMPRESSOR FOR AIR BLASTING SHALL HAVE A MINIMUM CAPACITY OF 120 CFM. THE COMPRESSED AIR SHALL BE FREE FROM OIL AND OTHER CONTAMINANTS.
 22. CONSOLIDATION EQUIPMENT USED TO CONSOLIDATE THE CONCRETE REPAIR MATERIAL IN THE RETROFITTED DOWEL BAR SLOTS SHALL BE INTERNAL VIBRATORS WITH A MAXIMUM DIAMETER OF 1 INCH AND SHALL HAVE A RESILIENT COVERING THAT WILL NOT DAMAGE THE EPOXY COATED REINFORCEMENT DURING USE. ANY VIBRATORS OR RODS USED FOR CONSOLIDATION OF THE REPAIR MATERIAL FOR NARROW MOUTH SLOTS SHALL HAVE A DIAMETER OF LESS THAN 1 INCH.
 23. BATCHING EQUIPMENT FOR FLOWABLE FILL SHALL HAVE DEVICES DESIGNED TO MEASURE THE SPECIFIED QUANTITIES OF EACH COMPONENT MATERIAL, AND MIXING SHALL BE OF SUFFICIENT DURATION TO INSURE UNIFORM CONSISTENCY OF THE MIXTURE. NO WATER WILL BE ADDED TO THE FLOWABLE FILL MIXTURE AFTER BATCHING. WATER CONTENT SHALL BE MAINTAINED SUCH THAT COMPRESSIVE STRENGTHS ARE ACHIEVED AND A UNIFORM, FLOWABLE MIXTURE IS DEVELOPED THAT IS ESSENTIALLY SELF-LEVELLING WHEN PLACED.
 24. EQUIPMENT FOR HIGH-DENSITY FOAM INJECTION SHALL INCLUDE A TRUCK MOUNTED PUMPING UNIT CAPABLE OF INJECTING THE POLYURETHANE BETWEEN THE CONCRETE AND THE SLAB SUBBASE. THE PUMP SHALL BE CAPABLE OF CONTROLLING THE RATE OF RISE OF THE PAVEMENT SLAB. A LEVELING UNIT SHALL BE PROVIDED TO ENSURE THE SLABS ARE RAISED TO AN EVEN PLANE, WITH VERTICAL ELEVATION DIFFERENCE ACROSS ANY CORNER NOT TO EXCEED 1/4" INCH.
 25. EQUIPMENT FOR MIXING AND PUMPING ANY GROUT/ADHESIVE MATERIALS FOR BEDDING THE SLABS, RETROFITTING DOWEL BARS, OR CROSS STITCHING TIE BARS SHALL BE IN ACCORDANCE WITH THE MATERIAL MANUFACTURER'S INSTRUCTIONS AND THE SPECIFICATIONS.
- REMOVAL /INSTALLATION:**
26. PERIMETER SAWCUTTING OF THE REMOVAL AREA AND SAWCUTTING OF THE DOWEL BAR SLOTS SHALL NOT BE CARRIED OUT MORE THAN (1) WEEK IN ADVANCE OF THE EXPECTED DATE OF REPAIR. THE CONTRACTOR SHALL USE A TEMPLATE TO PRECISELY DELINEATE THE LIMITS OF THE AREAS TO BE REPAIRED AS DEFINED ON THE CONTRACT DOCUMENTS AND APPROVED SHOP DRAWINGS. WITHIN A TOLERANCE OF 1/2" INCH. REPAIRS SHALL BE NO LESS THAN THE FULL WIDTH OF A LANE AND THE FULL DEPTH OF CONCRETE.

27. REMOVAL OF EXISTING PAVEMENT SHALL BE IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS EXCEPT AS FOLLOWS:
 - A. THE OUTER LIMITS OF THE REPAIR AREA WILL BE SAWCUT FULL DEPTH AND SHALL NOT EXTEND (OVERCUT) BY MORE THAN 10 INCHES INTO THE ADJACENT CONCRETE THAT IS TO REMAIN IN PLACE. OVERCUTS SHALL BE FILLED WITH A PRODUCT ACCEPTABLE TO THE DEPARTMENT. THE OUTER LIMITS FOR REPAIR SHALL BE MARKED OUT BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO ANY SAWCUTTING.
 - B. REMOVAL OF CONCRETE WITHIN THE PERIMETER SAWCUTS SHALL BE BY THE LIFT-OUT METHOD, AND CONCRETE BETWEEN SAWCUTS FOR DOWEL BAR RETROFITS SHALL BE REMOVED USING JACKHAMMER AND HAND TOOLS. THE CONTRACTOR SHALL ENSURE THAT REMOVALS ARE CARRIED OUT WITHOUT DAMAGING THE ADJACENT CONCRETE PAVEMENT OR ASPHALT SHOULDER OR DISTURBING THE UNDERLYING BASE. HEAVY BREAKING EQUIPMENT SUCH AS HOE RAMS SHALL NOT BE USED IN THE REMOVAL OPERATION. THE CONCRETE PAVEMENT SHALL NOT BE BROKEN IN PLACE.
 - C. IF DURING THE REMOVAL PROCESS THE ADJACENT CONCRETE IN THE SAME LANE OR IN AN ADJACENT LANE THAT CAN ONLY BE REPAIRED DURING NIGHT TIME LANE CLOSURES, IS DAMAGED OR CRACKED DUE TO THE CONTRACTOR'S REMOVAL PROCEDURE, THE DAMAGED AREA SHALL BE CUT BACK FULL DEPTH TO SOUND CONCRETE AND REPLACED WITH PRECAST SLABS AT THE CONTRACTOR'S EXPENSE. IF CONCRETE IN THE ADJOINING LANE IS DAMAGED DURING THE REMOVAL PROCESS AND WEEKEND REPAIRS ARE POSSIBLE, THE DAMAGED CONCRETE SHALL BE REPAIRED IN ACCORDANCE SECTION 442 OF THE STANDARD SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE. ASPHALT SHOULDER DAMAGED DURING THE REMOVAL PROCESS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PROVIDE A PROPOSAL FOR REPAIRS TO THE ENGINEER FOR DEPARTMENT APPROVAL.
 - D. DISPOSAL OF EXCAVATED MATERIALS FROM THE REMOVAL OF CONCRETE SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AT THE CONTRACTOR'S EXPENSE.
 - E. ALL SLURRY FROM SAW CUTTING OPERATIONS SHALL BE THOROUGHLY SCRAPPED AND REMOVED FROM THE PAVEMENT SURFACE BEFORE THE PAVEMENT IS OPENED TO TRAFFIC. DISPOSAL OF SLURRY SHALL BE IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AT THE CONTRACTORS EXPENSE.
28. ANY AREAS OF SUBBASE WHICH ARE BELOW THE REQUIRED ELEVATION OF THE FINISHED SUBBASE, SHALL BE BUILT UP TO GRADE WITH SATISFACTORY COMPACTED GRANULAR MATERIAL.
29. LEVELING MATERIAL PLACED BEFORE SLAB INSTALLATION SHALL BE EITHER A FLOWABLE FILL OR A FINE AGGREGATE MEETING THE REQUIREMENTS OF THIS CONTRACT DOCUMENT. FLOWABLE FILL SHALL BE USED AS A LEVELING MATERIAL ONLY ON TANGENT PAVEMENT SECTIONS. GRADE CONTROL SHALL BE ESTABLISHED FOR ALL LEVELING MATERIAL USING STRINGLINES, LASER GUIDANCE, OR OTHER APPROVED METHODS. THE TEMPERATURE OF THE FLOWABLE FILL MIXTURE AS MANUFACTURED AND DELIVERED SHALL BE AT LEAST 50° F. NONFLOWABLE FILL WILL BE ALLOWED IF THE ANTICIPATED AIR TEMPERATURE WILL BE 36°F OR LESS WITHIN 24 HOURS OF SLAB PLACEMENT. THE FLOWABLE FILL MUST OBTAIN FINAL SET BEFORE THE PAVEMENT MAY BE OPENED TO TRAFFIC.
30. WHEN FLOWABLE FILL IS USED AS THE LEVELING MATERIAL WITH SLAB INSTALLATION. A PERIMETER BACKER ROD WILL NOT BE REQUIRED AROUND THE PERIMETER OF THE SLAB.
31. LEVELING MATERIAL PLACED IMMEDIATELY AFTER SLAB INSTALLATION SHALL ONLY BE A HIGH-DENSITY POLYURETHANE FOAM MEETING THE REQUIREMENTS OF THIS CONTRACT DOCUMENT. PLACEMENT OF POLYURETHANE FOAM SHALL FILL ALL VOIDS BENEATH THE PRECAST PANELS THAT MAY BE PRESENT AFTER PLACING THE PANELS OVER THE PREPARED SUBBASE AND LEVELING AGGREGATE. PLACEMENT OF THE POLYURETHANE SHALL UTILIZE THE UNDERSLAB GROUT PORT HOLES AS SHOWN ON THE PLANS. THE PORT HOLES ARE TO BE FILLED WITH THE DOWEL BAR BACKFILLING MATERIAL.
32. FOLLOWING PROPER REMOVAL OF EXISTING PAVEMENTS AND ACCEPTABLE BASE PREPARATION/LEVELING, THE CONTRACTOR SHALL HAVE ALL EQUIPMENT REQUIRED FOR PANEL INSTALLATION ON-SITE PRIOR TO BEGINNING PANEL INSTALLATION. LIFTING AND TRANSPORTING EQUIPMENT SHALL NOT DAMAGE THE PREPARED SUBBASE/LEVELING MATERIALS PRIOR TO OR DURING PANEL INSTALLATION. PRIOR TO SLAB INSTALLATION, ALL VERTICAL SURFACES OF SURROUNDING PAVEMENT SHALL BE COATED WITH A BOND BREAKER SUCH AS FORM OIL OR A CURING COMPOUND.
33. PANELS SHALL BE INSTALLED ONE AT A TIME, AND SHALL BE INSTALLED IN SUCH A MANNER THAT THE SUBBASE/LEVELING MATERIAL OR ANY REMAINING PAVEMENT IS NOT DAMAGED DURING INSTALLATION. DURING PLACEMENT OF THE SLABS, USE TIE OFF ROPES TO AVOID CHIPPING OR SPALLING EDGES OF THE PRECAST UNITS, USE WOOD SHIMS OR WEDGES TO GUIDE THE SLAB INTO THE CORRECT POSITION. THE USE OF STEEL PRY BARS THAT CHIP EDGES SHOULD BE AVOIDED.

34. IMMEDIATELY AFTER THE SLAB HAS BEEN SET AND LEVELLED, SURVEY THE VERTICAL ELEVATION ACROSS ALL CORNERS TO VERIFY THE VERTICAL DIFFERENCE ABOVE ADJACENT CONCRETE IS 1/4 INCH ACROSS ALL CORNERS. ALL PRECAST SLABS SHALL RECEIVE A PROFILE DIAMOND GRIND THAT MAY INCLUDE UP TO 4' OF THE SURROUNDING PAVEMENT TO MAINTAIN SLOPE.
35. IF A SET PRECAST SLAB IS OPENED TO TRAFFIC BEFORE ANY GROUTING OPERATIONS, THE CONTRACTOR SHALL MEET THE FOLLOWING REQUIREMENTS:
 - i) DURING INSTALLATION, INCOMPRESSIBLE SHIMS, APPROVED BY THE ENGINEER, SHALL BE PLACED IN THE DOWNSTREAM TRAVERSE JOINT TO CORRECT AND MAINTAIN HORIZONTAL ALIGNMENT OF THE SLAB. INCLUDE SHIMS ON THE LONGITUDINAL JOINT FOR SLABS SUBJECTED TO TURNING PRESSURES. THE TOTAL THICKNESS OF SHIMS USED IN ANY JOINT SHALL BE EQUAL TO OR LESS THAN 3/8". SHIMS SHALL BE REMOVED BEFORE JOINT SEALING OPERATIONS. EQUIPMENT AND METHODS USED FOR REMOVING SHIMS SHALL BE SUCH AS TO PREVENT CRACKING, SHATTERING OR SPALLING OF PAVEMENT REMAINING IN PLACE. THE WORK TO REMOVE THE SHIMS SHALL ALSO BE INCLUDED IN THE COST OF THE PRECAST SLAB.
 - ii) ASPHALT SHOULDERS SHALL BE BACKFILLED TO MAINTAIN HORIZONTAL ALIGNMENT.
 - iii) WIDE MOUTH DOWEL SLOTS LEFT OPEN SHALL BE TEMPORARILY FILLED WITH A COMPRESSION SEAL APPROVED BY THE ENGINEER TO WITHIN 1 INCH FLUSH WITH THE PAVEMENT SURFACE.
 - iv) NARROW MOUTH DOWEL SLOTS MAY BE LEFT OPEN.
 - v) ALL GROUTING MEETING THE REQUIREMENTS OF THIS CONTRACT SHALL BE COMPLETED WITHIN 48 HOURS OF EACH SLAB'S PLACEMENT.
36. PRIOR TO DOWEL BAR PLACEMENT, THE TRANSVERSE JOINT SHALL BE CAULKED WITH A SILICONE SEALANT AT THE BOTTOM AND SIDES OF THE SLOT. THE CAULKING FILLER SHOULD NOT BE PLACED ANY FARTHER THAN 1/2 INCH OUTSIDE EITHER SIDE OF THE JOINT, AND APPLIED SUFFICIENTLY TO PREVENT ANY PATCHING MATERIAL FROM ENTERING THE JOINT AT THE BOTTOM OR SIDES OF THE SLOT. EXCESSIVE SEALANT AROUND THE SLOT DOES NOT ALLOW THE CONCRETE PATCHING MATERIAL TO BOND TO THE SIDES OF THE SLOT. BEFORE PLACEMENT, THE DOWEL BARS SHOULD BE LIGHTLY COATED WITH PARTING COMPOUND AND FULLY RETROFITTED DOWEL BARS PLACED ON A CHAIR THAT WILL PROVIDE A MINIMUM 1/2 INCH CLEARANCE BETWEEN THE BOTTOM OF THE DOWEL AND THE BOTTOM OF THE SLOT. FOR ANY DOWEL BARS INSERTED INTO PREDRILLED EPOXIED HOLES, AN APPURATUS CAPABLE OF MAINTAINING VERTICAL ALIGNMENT OF THE DOWEL AND TO PROVIDE A MINIMUM 1/2 INCH CLEARANCE BETWEEN THE BOTTOM OF THE DOWEL AND THE BOTTOM OF THE SLOT SHALL BE PROVIDED BY THE CONTRACTOR. A 3/8 INCH THICK FOAM INSERT SHOULD BE PLACED AT THE MIDDLE OF THE DOWEL TO MAINTAIN THE TRANSVERSE JOINT. THE FOAM INSERT SHOULD FIT TIGHTLY AROUND THE DOWEL, THE BOTTOM, AND THE EDGES OF THE SLOT, AND BE UP TO THE SURFACE OF THE EXISTING CONCRETE SURFACE. THE FOAM INSERT SHOULD BE CAPABLE OF REMAINING IN A VERTICAL POSITION AND HELD TIGHTLY TO ALL EDGES DURING PLACEMENT OF THE PATCH. IF FOR ANY REASON THE FOAM INSERT SHIFTS DURING PLACEMENT OF THE CONCRETE PATCHING MATERIAL, THE WORK SHALL BE REJECTED AND REDONE AT THE CONTRACTOR'S EXPENSE.
37. PLACEMENT OF HARDWARE GROUT/ADHESIVES:
 - A. DOWEL BARS - THE PLACEMENT OF ANY APPROVED BACKFILL MATERIAL FOR DOWEL BAR RETROFITTING OR FOR DOWEL BAR INSERTIONS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "DOWEL BAR RETROFIT". THE PAVEMENT WILL NOT BE OPENED TO TRAFFIC UNTIL THE BACKFILL MATERIAL AROUND THE PAVEMENT HARDWARE OBTAINS 3,000 PSI COMPRESSIVE STRENGTH. ALL CONCRETE SURFACES WITHIN THE SLOT SHALL BE SOLID, FREE FROM LOOSE OR UNSOUND FRAGMENTS. BEFORE GROUTING, SANDBLAST ALL EXPOSED SURFACES IN THE DOWEL BAR SLOT FOLLOWED BY AIR BLASTING TO REMOVE ANY DUST, RESIDUE OR DEBRIS LEFT IN THE SLOT. UPON COMPLETION OF THE RETROFITTING WORK, THE GROUT OR CONCRETE PATCH MATERIAL SHALL FILL ALL SLOTS TO THE SURFACE OF THE EXISTING PAVEMENTS. ANY SLOTS INSUFFICIENTLY FILLED BELOW EXISTING PAVEMENT SURFACES SHALL BE REDONE AT THE CONTRACTOR'S EXPENSE.
 - B. TIE BARS - A FOAM BOARD GASKET SHALL BE INSERTED INTO THE LONGITUDINAL JOINT AT THE STITCHING LOCATION AND THE TIEBAR HOLE PREDRILLED THROUGH THE GASKET. AFTER PREDRILLED HOLES ARE AIR BLASTED, PRESSURE INJECT THE APPROVED ADHESIVE INTO THE PREDRILLED HOLES, LEAVING SOME VOLUME FOR THE BAR TO OCCUPY THE HOLE. INSERT THE TIEBAR INTO THE HOLE, LEAVING ABOUT 1 INCH FROM THE TOP OF THE TIE BAR TO THE PAVEMENT SURFACE. REMOVE EXCESS ADHESIVE AND FINISH FLUSH WITH THE PAVEMENT SURFACE.
 - C. FILL LIFTING INSERT HOLES AND GROUT PORTS WITH THE APPROVED GROUT USED FOR DOWEL BAR RETROFITTING.
38. PLACEMENT OF UNDERSEALING GROUT SHALL FILL ALL VOIDS BENEATH THE PRECAST PANELS AND GROUT PORT HOLES THAT MAY BE PRESENT AFTER PLACING THE PANELS OVER THE PREPARED SUBBASE AND LEVELING AGGREGATE. PLACEMENT OF THE UNDERSEALING GROUT SHALL UTILIZE THE UNDERSLAB GROUT PORT HOLES AS SHOWN ON THE PLANS. PLACEMENT OF UNDERSEALING GROUT SHALL NOT OCCUR UNTIL AFTER ALL HARDWARE DEVICES ARE PLACED AND GROUTED. IF UNDERSEALING GROUT FILLS ANY LONGITUDINAL JOINT TO WITHIN 9" OF THE SLAB SURFACE, A 9" SAW CUT OF THE JOINT SHALL BE REQUIRED DURING INSTALLATION. IF UNDERSEALING GROUT FILLS ANY TRANSVERSE JOINT TO WITHIN 9" OF THE SLAB SURFACE, THEN A 9" SAW CUT OF THE JOINT SHALL BE REQUIRED FOLLOWED BY REMOVAL AND FULL RETROFITTING OF ALL SEVERED DOWEL BARS ACROSS THE JOINT.
39. AFTER INSTALLATION AND GROUTING IS COMPLETED ALL LONGITUDINAL AND TRANSVERSE JOINTS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 420.12 OF THE STANDARD SPECIFICATIONS

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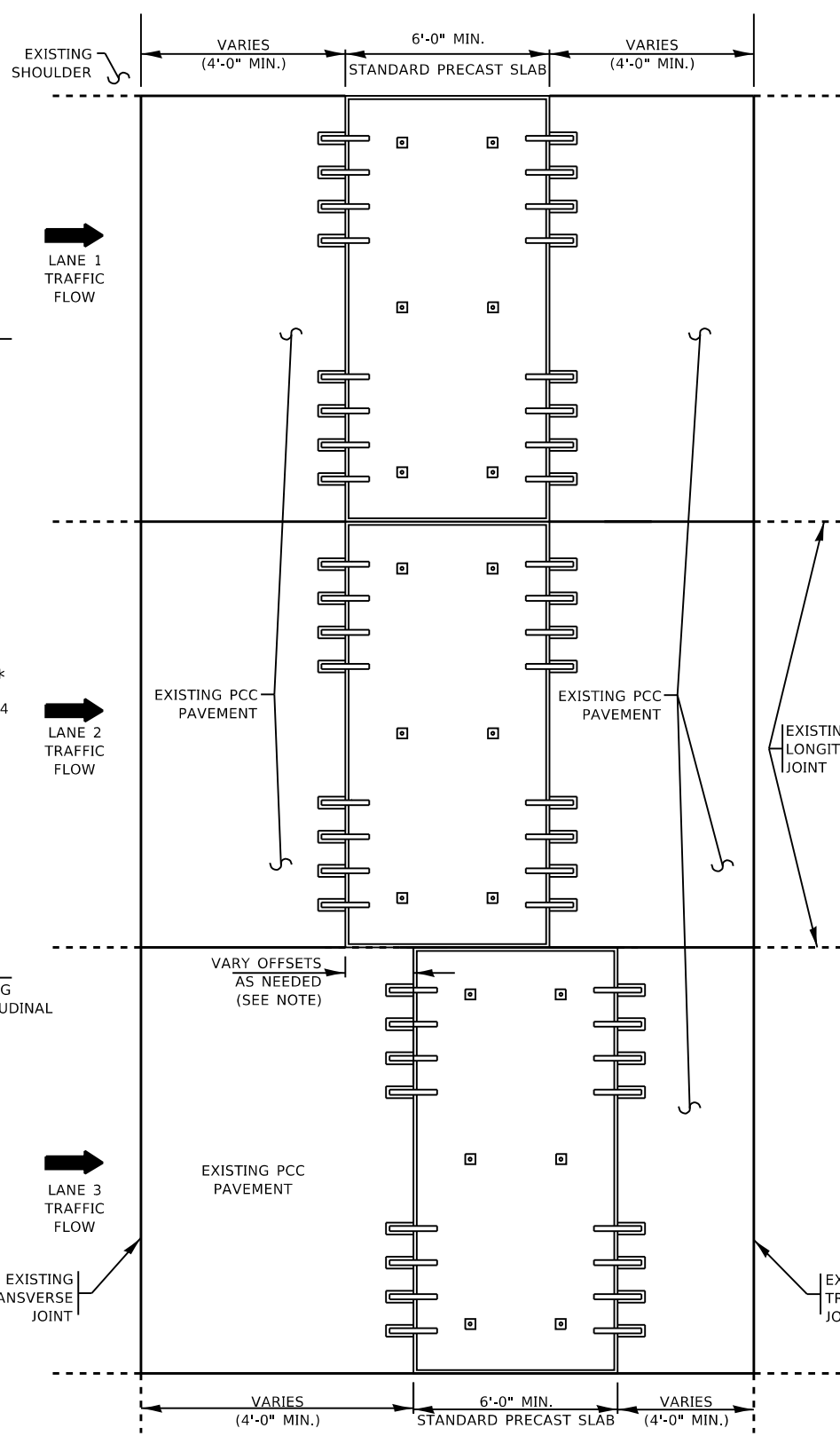
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		DRAWN -	REVISED - D.G. 9-16		341	2018-070-R5	COOK	85	68				
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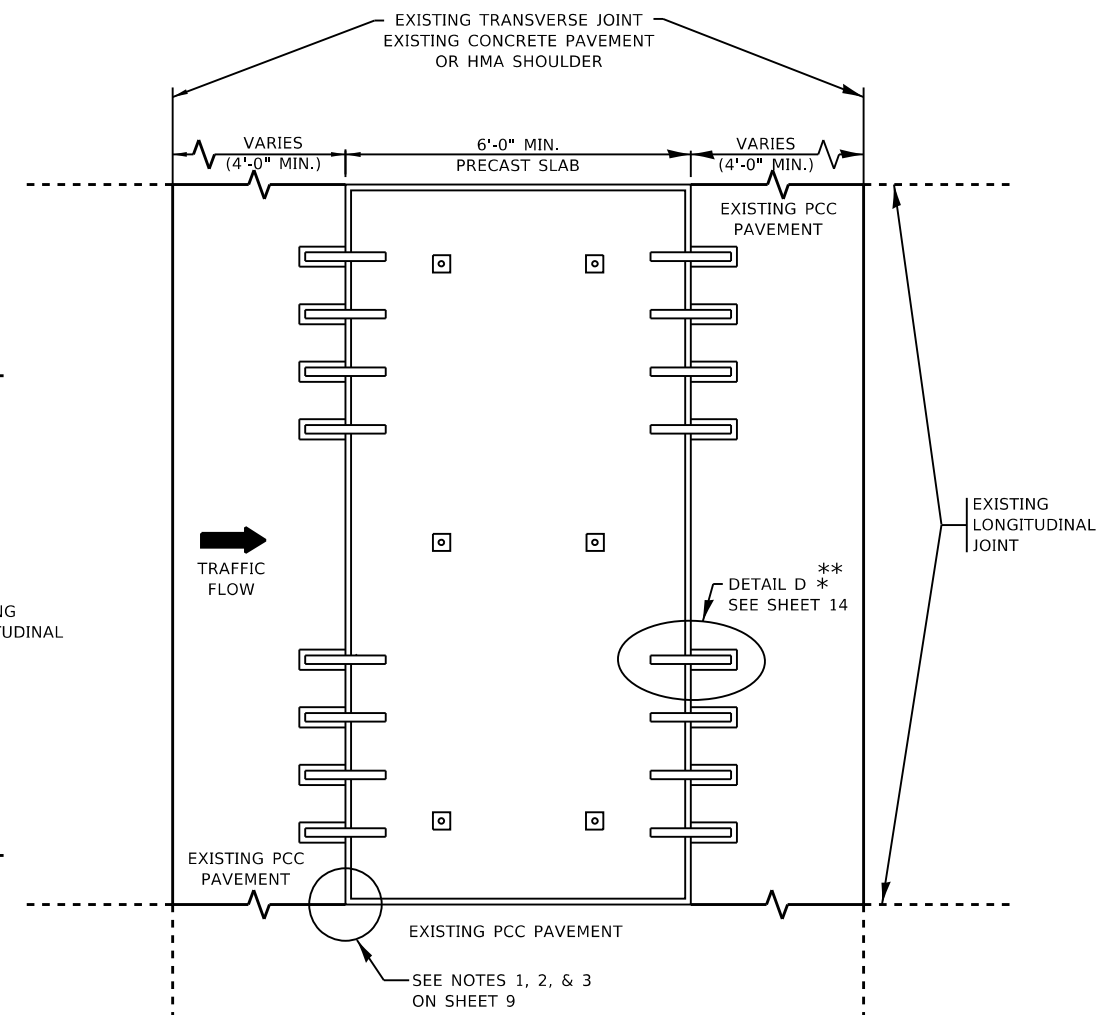
**SINGLE LANE JOINT REPLACEMENT
DROP IN PANEL FOR STANDARD
PRECAST SLABS**

NOTE:
WHEN THE TRANSVERSE JOINTS OF ANY PRECAST SLAB CANNOT BE ALIGNED WITH TRANSVERSE JOINTS IN ADJACENT LANES, A MAXIMUM 2'-0" OFFSET BETWEEN JOINTS SHALL BE PROVIDED. FOR DOWEL BARS FULLY RETROFITTED IN THE FIELD, REFER TO DETAIL C ON SHEET 13.

** FOR DOWEL BARS TO BE SLID INTO PRE-DRILLED HOLES IN THE FIELD, REFER TO DETAIL G ON SHEET 17.



**MULTIPLE LANE MID SLAB DROP IN PANEL
FOR STANDARD PRECAST PANELS**



**SINGLE LANE MID SLAB DROP
IN PANEL FOR STANDARD
PRECAST PANELS**

INSTALLATION OF ISOLATED STANDARD PRECAST SLABS

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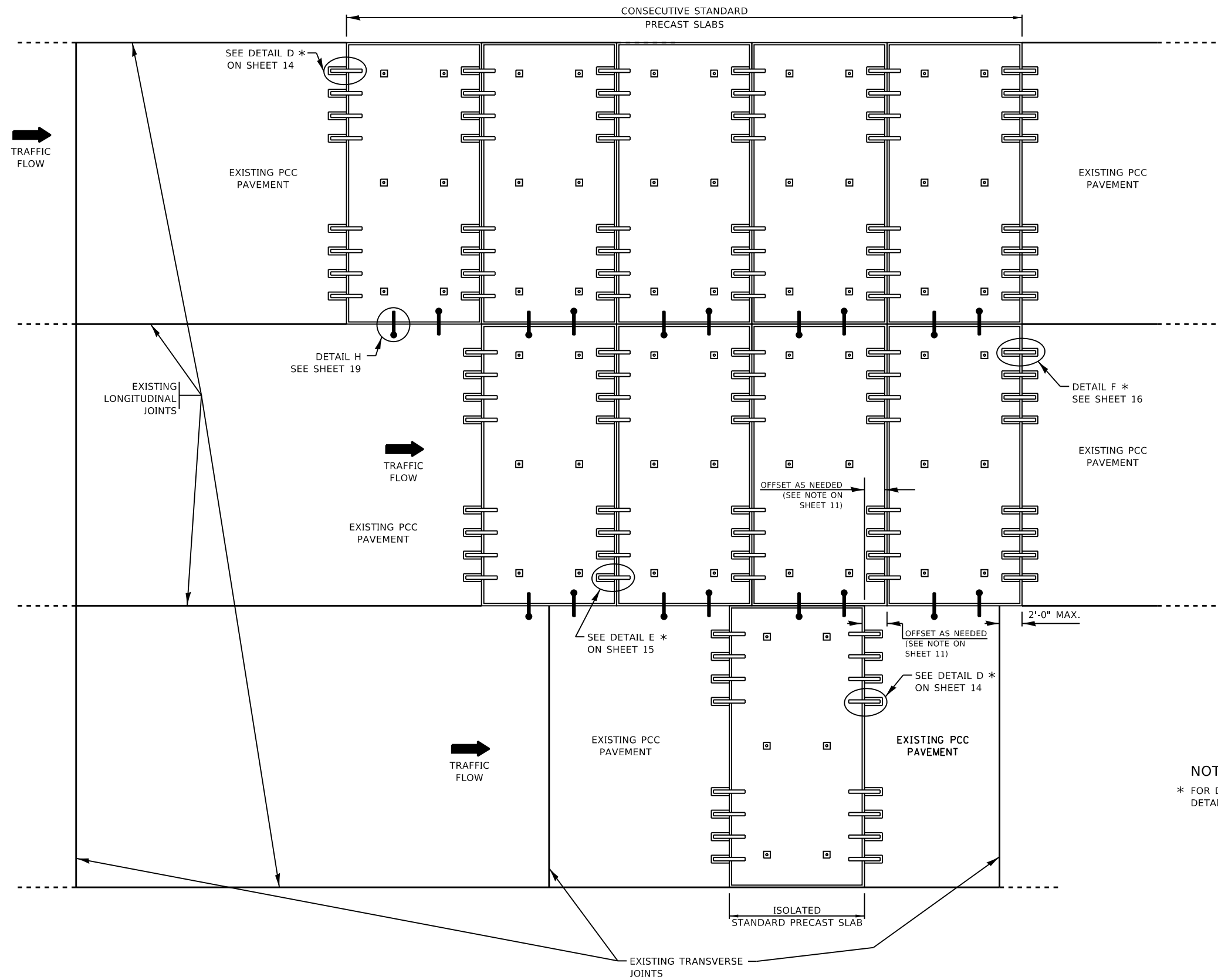
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PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED - D.G. 8-19
		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 11 OF 19 SHEETS STA. TO STA.

F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 69
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				

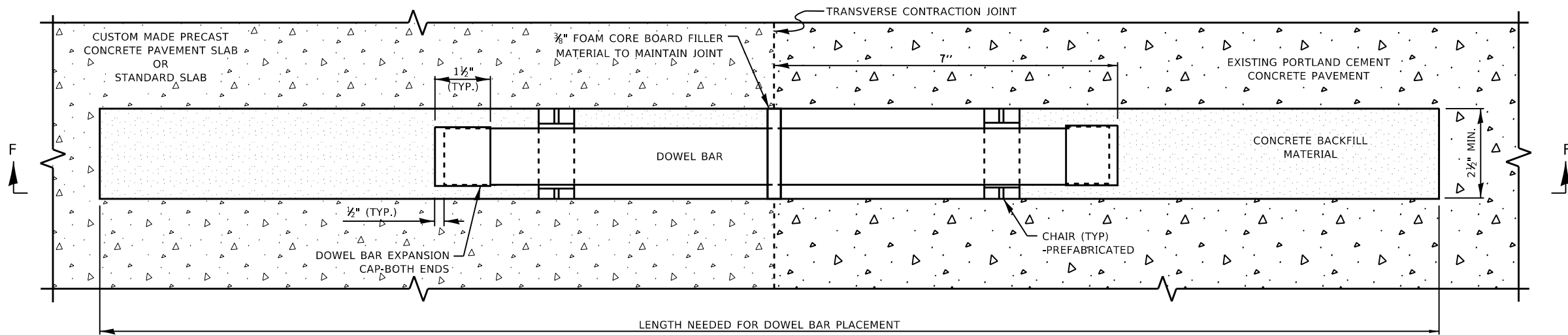


NOTE:
 * FOR DOWEL BARS FULLY RETROFITTED IN THE FIELD, REFER TO DETAIL C ON SHEET 13.

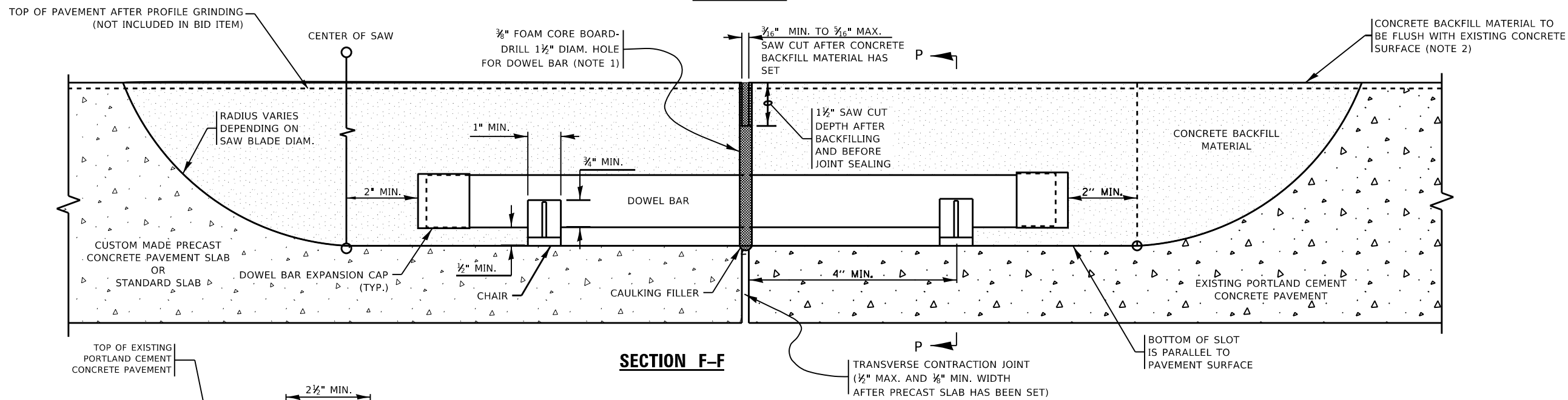
INSTALLATION OF CONSECUTIVE STANDARD PRECAST SLABS

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USER NAME = gorengautab PLOT SCALE = 90,0000 1 / in. PLOT DATE = 8/16/2019	DESIGNED - O. PATEL DRAWN - CHECKED - DATE - 10-25-2013	REVISED - D.G. 9-16 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE PAVEMENT SLABS SCALE: NONE SHEET 12 OF 19 SHEETS STA. TO STA.	<table border="1" style="font-size: 8px;"> <tr> <td>F.A.P. RTE.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>341</td> <td>2018-070-R5</td> <td>COOK</td> <td>85</td> <td>70</td> </tr> <tr> <td colspan="2" style="text-align: center;">BD 57</td> <td colspan="3" style="text-align: center;">CONTRACT NO. 62H21</td> </tr> </table> <p style="font-size: 8px; text-align: center;">ILLINOIS FED. AID PROJECT</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	341	2018-070-R5	COOK	85	70	BD 57		CONTRACT NO. 62H21		
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																
341	2018-070-R5	COOK	85	70																
BD 57		CONTRACT NO. 62H21																		

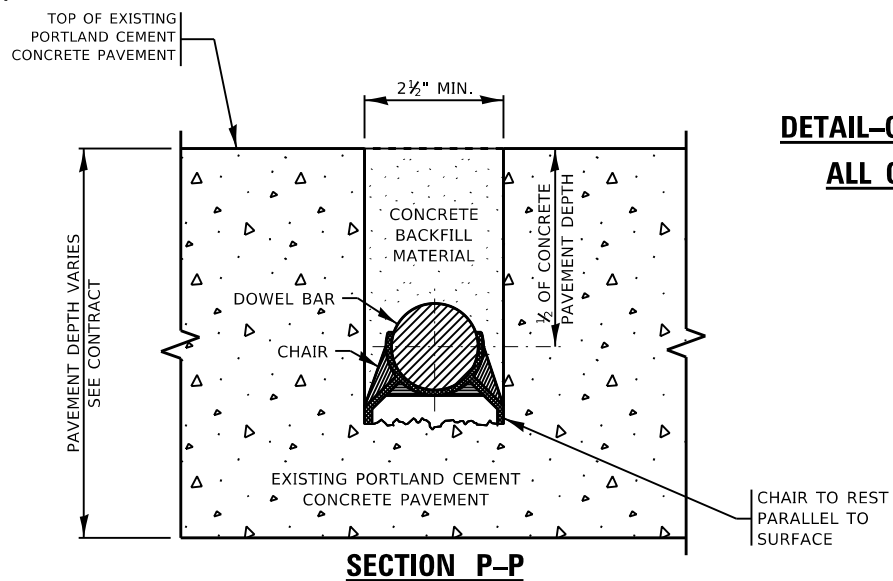


PLAN VIEW

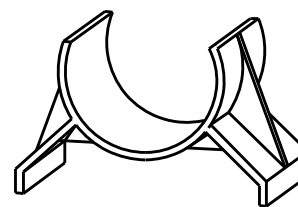


SECTION F-F

DETAIL-C, WIDE MOUTH DOWEL BAR PLACEMENT DETAIL FOR ALL CUSTOM MADE PRECAST PANELS AND OPTIONAL FOR STANDARD SLABS



SECTION P-P



CHAIR DETAIL

NOTES:

1. PLACE FOAM CORE BOARDS TO THE TOP OF PATCH.
2. UPON COMPLETION, THE FINISHED SURFACE OF THE CONCRETE BACKFILL MATERIAL SHALL NOT BE BELOW EXISTING CONCRETE SURFACE.

MODEL: Default
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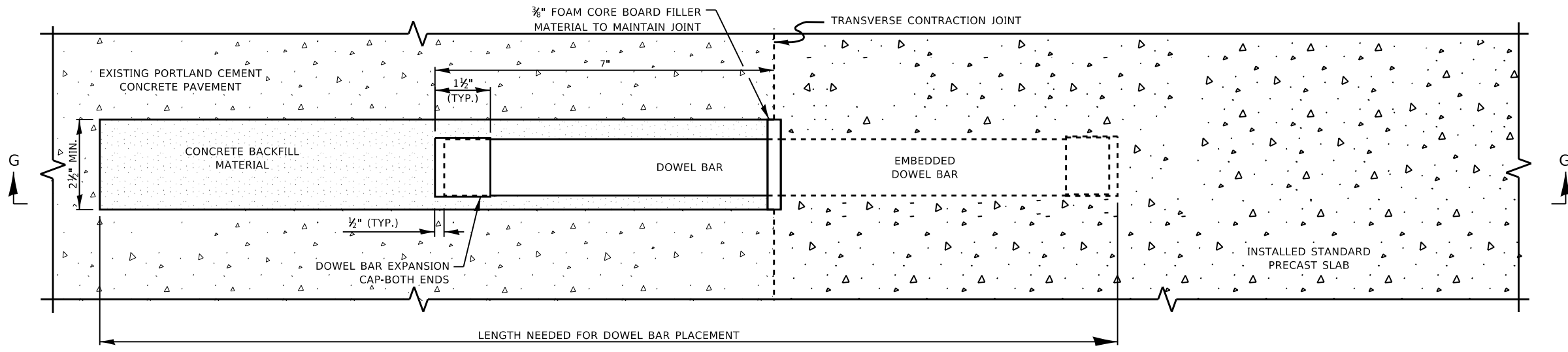
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DRAWN -	REVISOR -	
PLOT SCALE = 90.0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

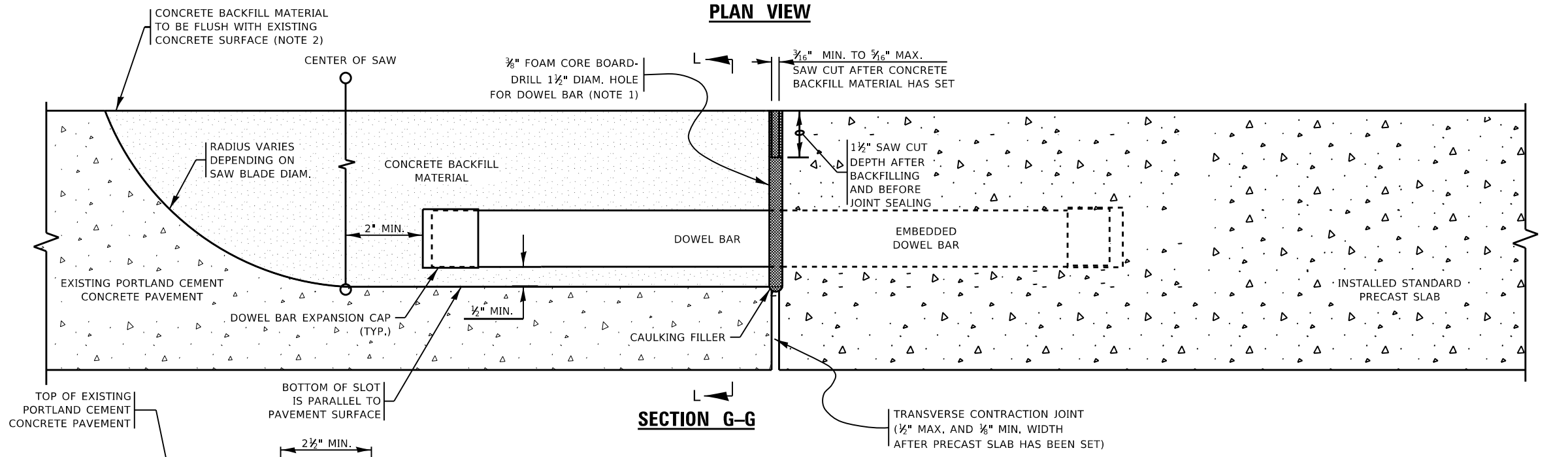
PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 13 OF 19 SHEETS STA. TO STA.

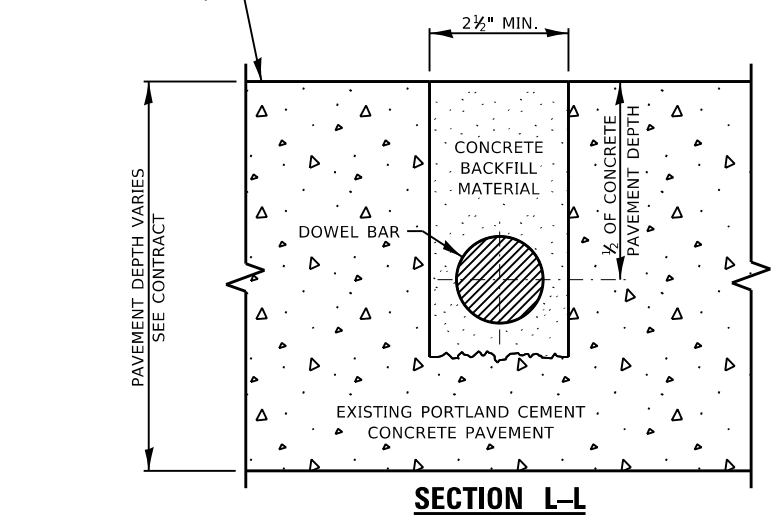
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341	2018-070-R5	COOK	85	71
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



PLAN VIEW



SECTION G-G



SECTION L-L

DETAIL D – WIDE MOUTH DOWEL BAR PLACEMENT

DETAIL FOR STANDARD PRECAST PANELS

(FOR APPLICATION WITH ALL ISOLATED STANDARD SLABS AND WITH INITIAL PLACEMENT OF CONSECUTIVE STANDARD SLABS)

NOTES:

- 1. PLACE FOAM CORE BOARDS TO THE TOP OF PATCH.
- 2. UPON COMPLETION, THE FINISHED SURFACE OF THE CONCRETE BACKFILL MATERIAL SHALL NOT BE BELOW EXISTING CONCRETE SURFACE.

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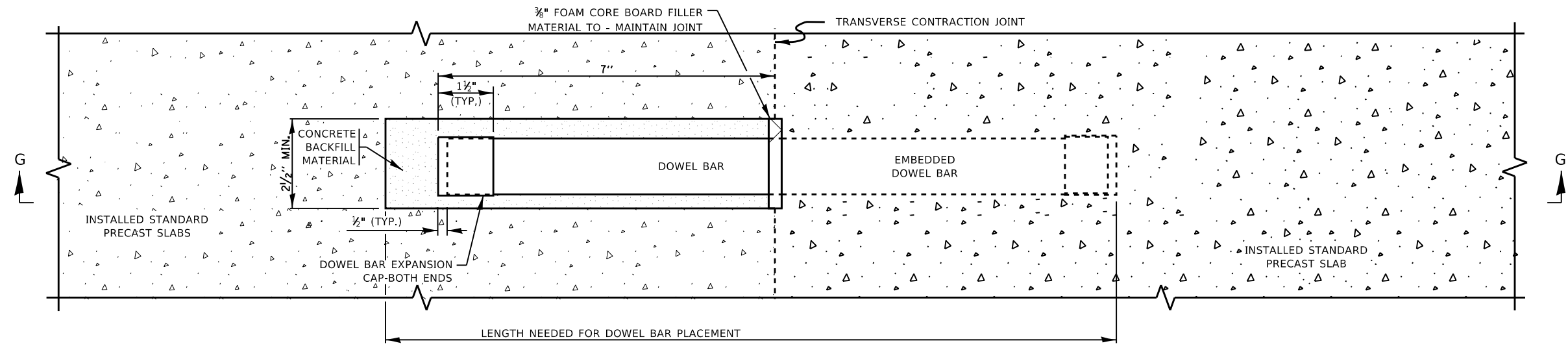
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

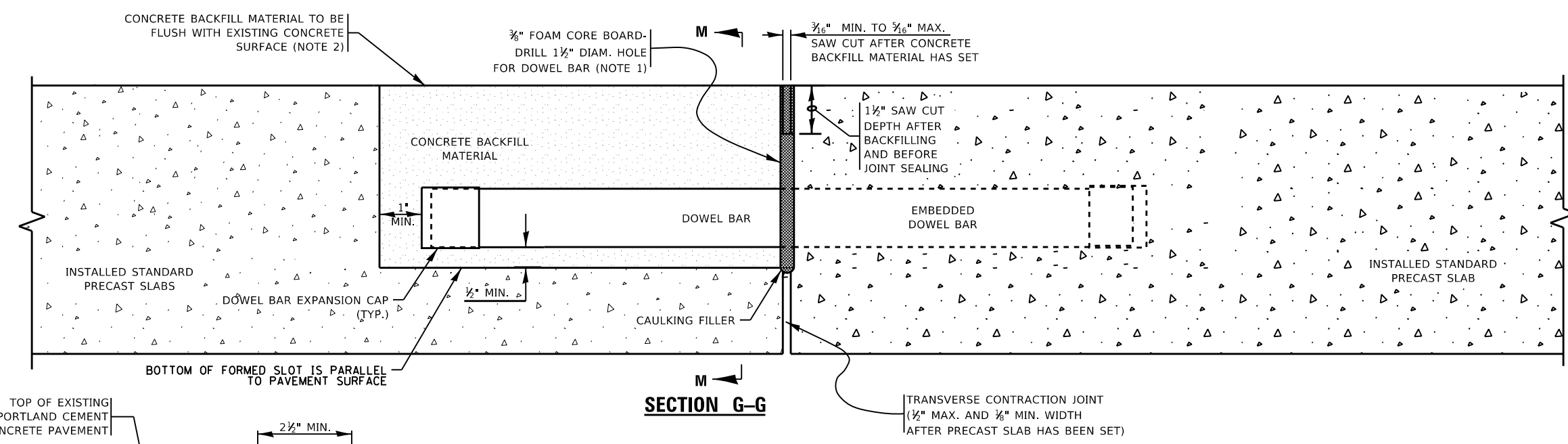
PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 14 OF 19 SHEETS STA. TO STA.

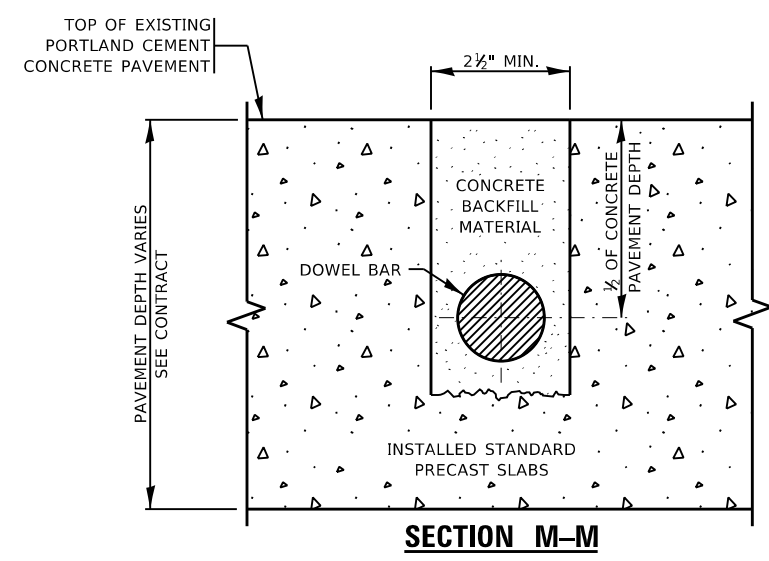
F.A.P. RTE. 341	SECTION 2018-070-R5	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 72
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



PLAN VIEW



SECTION G-G



SECTION M-M

DETAIL E – WIDE MOUTH DOWEL BAR PLACEMENT DETAIL FOR CONSECUTIVE STANDARD PRECAST PANELS

- NOTES:**
1. PLACE FOAM CORE BOARDS TO THE TOP OF PATCH.
 2. UPON COMPLETION, THE FINISHED SURFACE OF THE CONCRETE BACKFILL MATERIAL SHALL NOT BE BELOW THE EXISTING CONCRETE SURFACE.

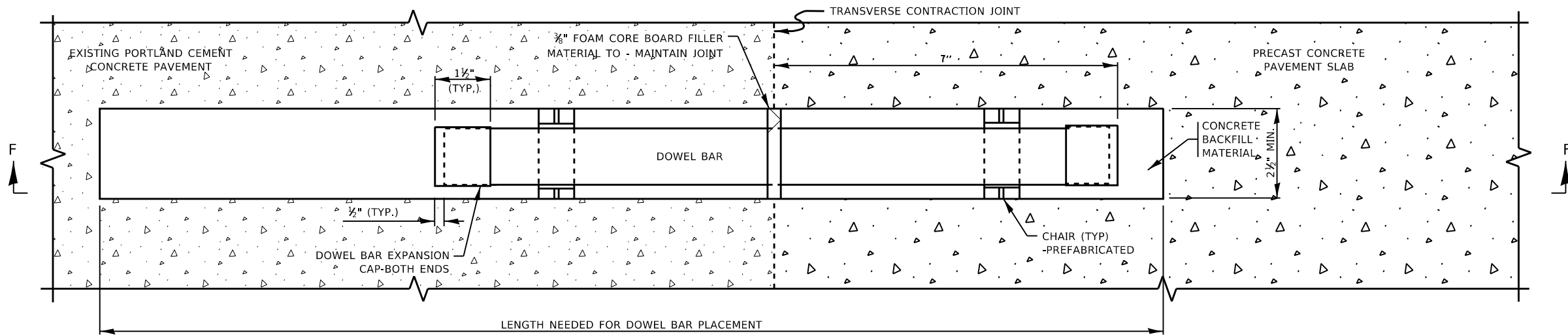
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USER NAME = gorenautab	DESIGNED - O. PATEL	REVISED - D.G. 9-16
DRAWN -	REVISIONS -	
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PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISIONS -

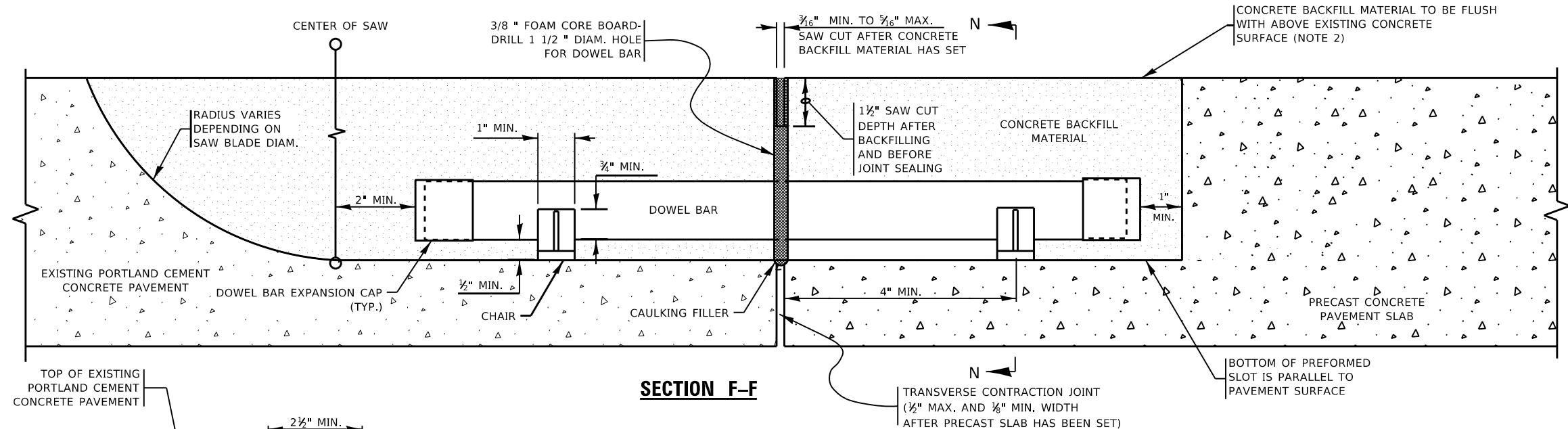
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRECAST CONCRETE PAVEMENT SLABS			
SCALE: NONE	SHEET 15	OF 19 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	73
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				

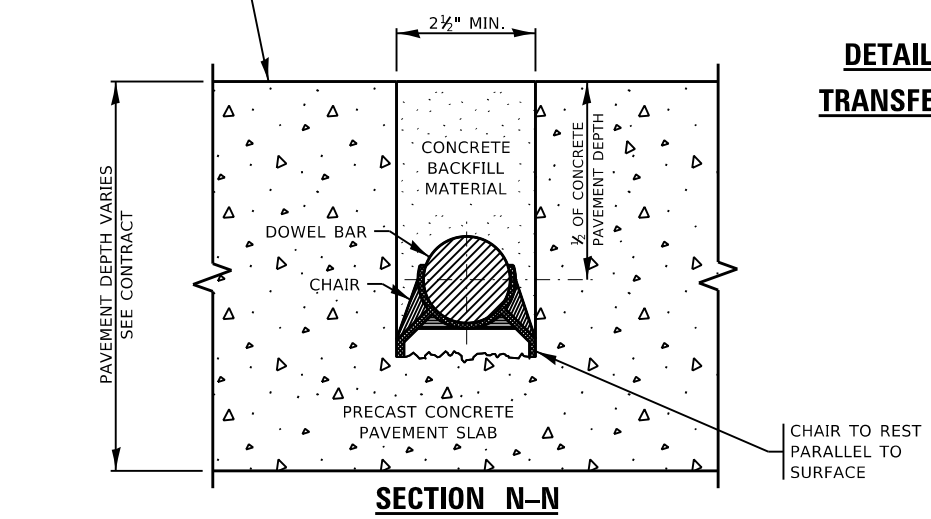


PLAN VIEW

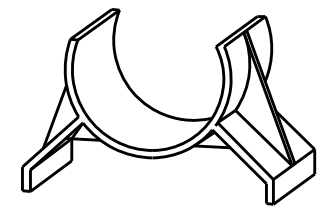


SECTION F-F

DETAIL-F, WIDE MOUTH DOWEL BAR PLACEMENT DETAIL FOR THE LAST TRANSFER JOINT OF CONSECUTIVELY PLACED STANDARD PRECAST PANELS



SECTION N-N



CHAIR DETAIL

- NOTES:**
1. PLACE FOAM CORE BOARDS TO THE TOP OF PATCH.
 2. UPON COMPLETION, THE FINISHED SURFACE OF THE CONCRETE BACKFILL MATERIAL SHALL NOT BE BELOW THE EXISTING CONCRETE SURFACE.

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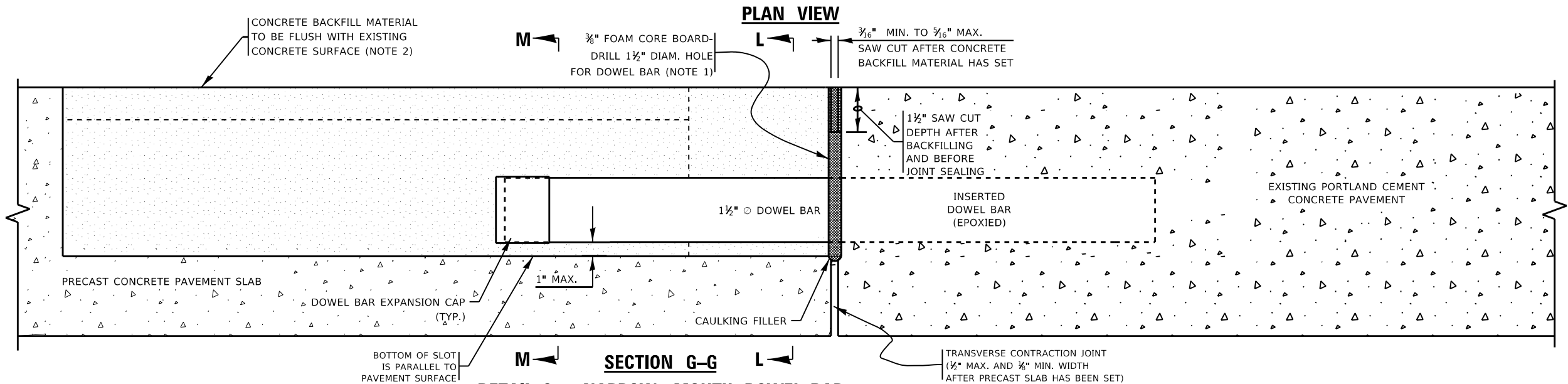
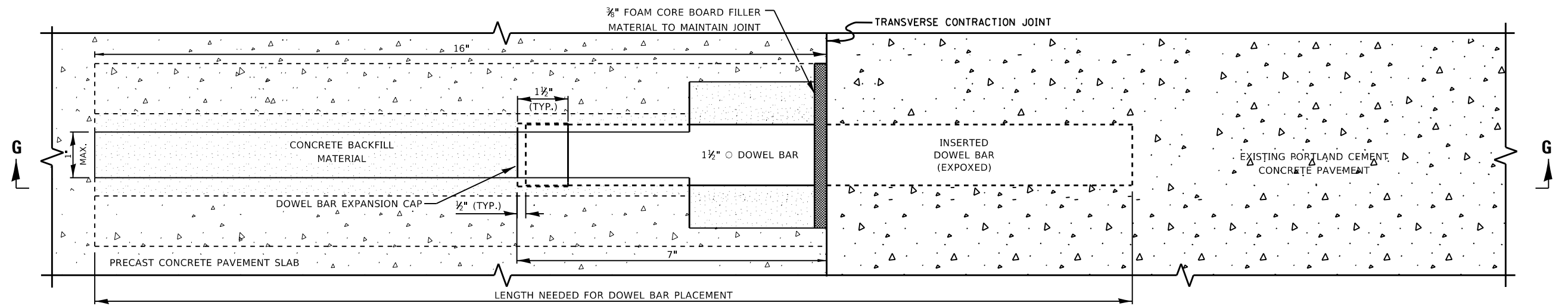
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PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 16 OF 19 SHEETS STA. TO STA.

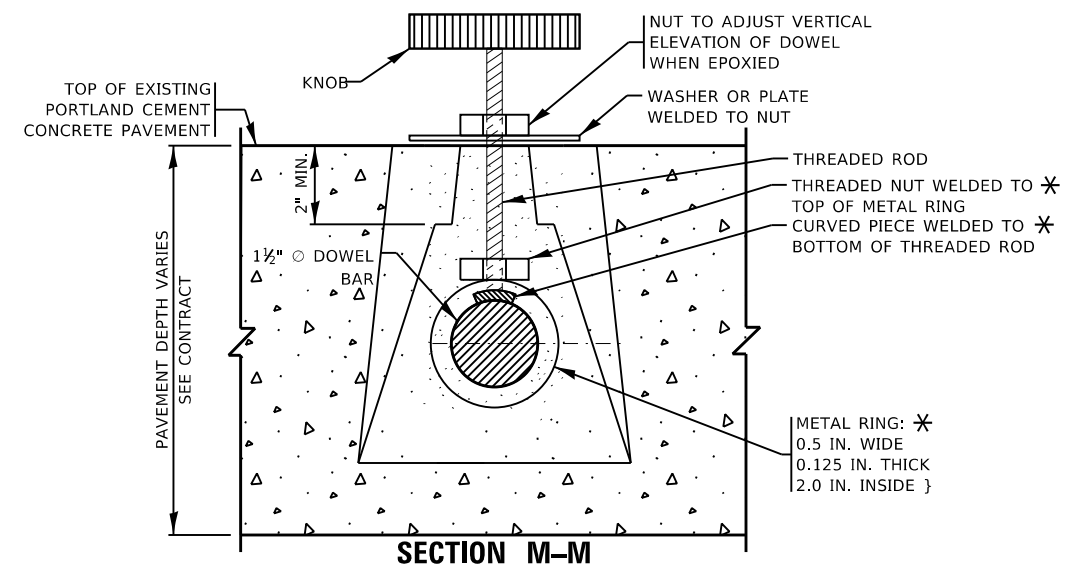
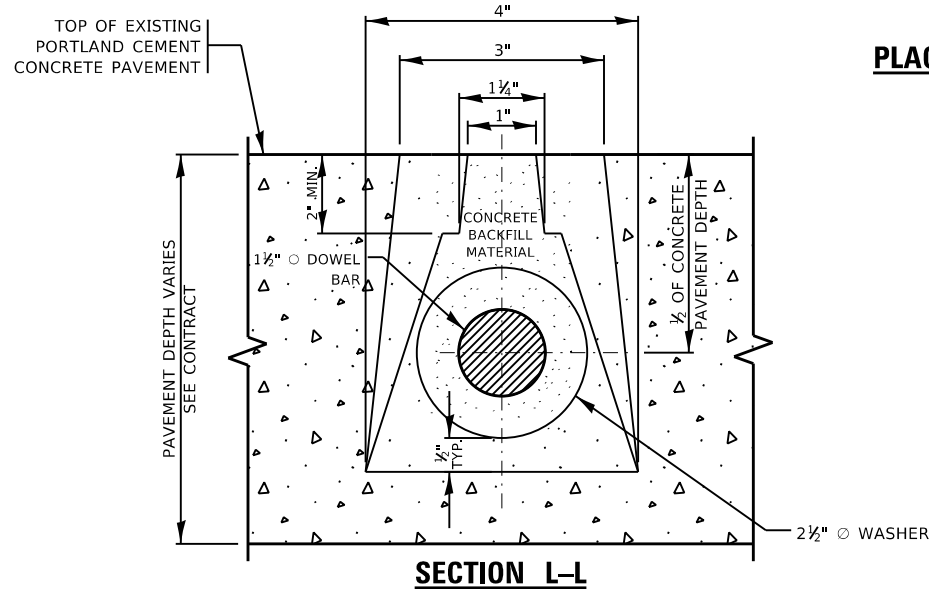
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	74
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



DETAIL G – NARROW MOUTH DOWEL BAR
PLACEMENT DETAIL FOR ISOLATED PRECAST PANELS
 (FOR OPTIONAL APPLICATION WITH ALL ISOLATED SLABS IN PLACE OF FULL RETROFITS)

NOTES:

1. PLACE FOAM CORE BOARDS TO THE TOP OF PATCH.
2. UPON COMPLETION, THE FINISHED SURFACE OF THE CONCRETE BACKFILL MATERIAL SHALL NOT BE BELOW EXISTING CONCRETE SURFACE.



CLAMP DETAIL FOR SLIDING DOWEL BAR SLOTS

* METAL RING MAY BE REPLACED WITH A STRONG MAGNET WELDED TO THE THREADED ROD. AT LEAST ONE CLAMP WILL BE NEEDED FOR EACH INSERTED DOWEL BAR TO MAINTAIN ALIGNMENT.

MODEL: Default
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PLOT DATE = 8/16/2019	DATE - 10-25-2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE PAVEMENT SLABS		
SCALE: NONE	SHEET 17 OF 19 SHEETS	STA. TO STA.

F.A.P. RTE. 341	SECTION 2018-070-RS	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 75
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				

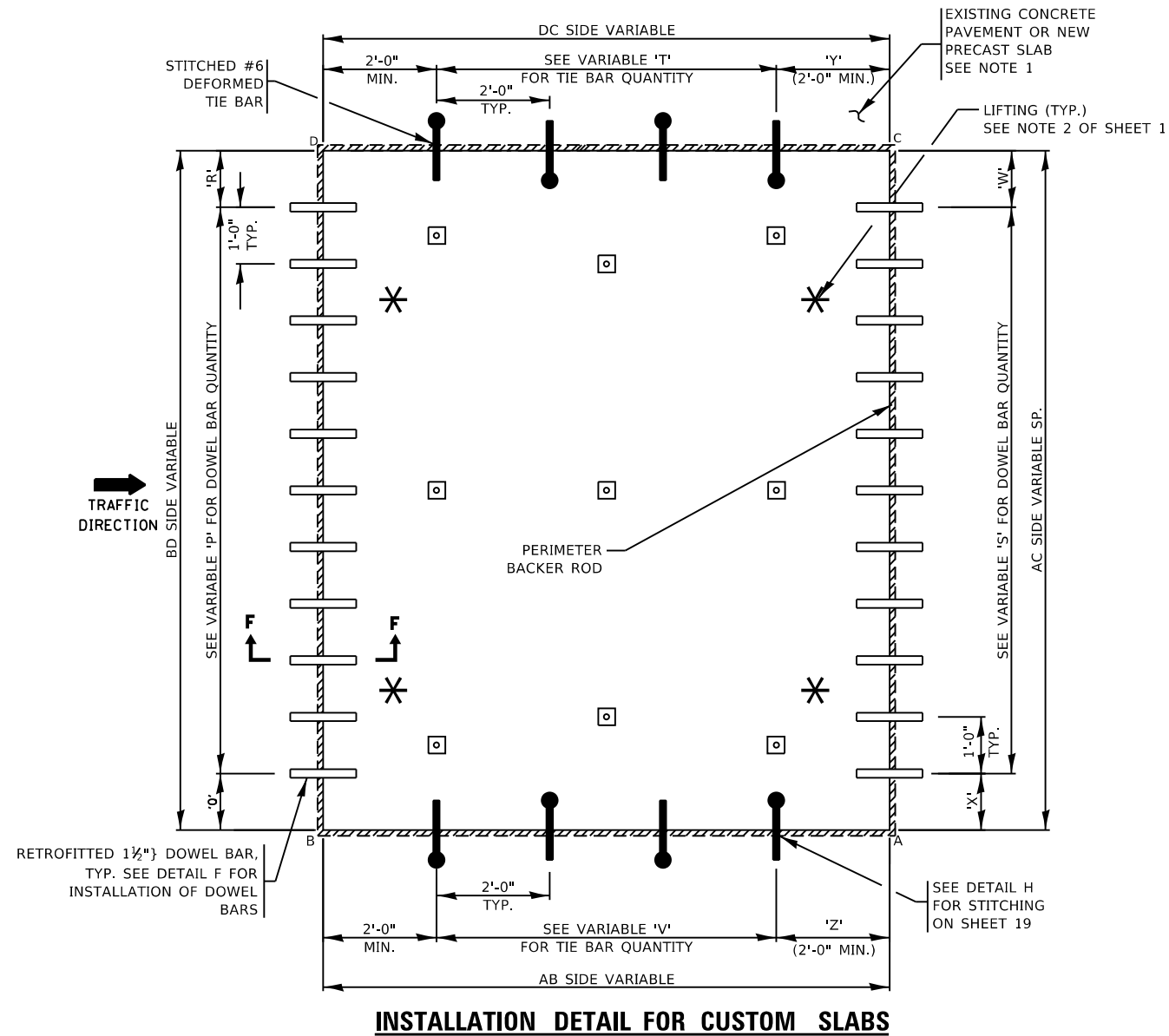
FOR NON STANDARD SLABS, UPON COMPLETION BY THE CONTRACTOR A SLAB LAYOUT WILL BE ADDED WITH SLAB DIMENSIONS TO INCLUDE BUT NOT BE LIMITED TO THE TABLE SHOWN BELOW.

EXAMPLE	ROUTE	STATION NUMBER	MAINLINE LANE NO.	RAMP ID.	RAMP LANE NO.	MARK NO.	LANE TYPE	VARIABLES												AB* SIDE	BD* SIDE	CD* SIDE	AC* SIDE	AREA (SQ.FT.)	VOLUME (CU. FT.)	WEIGHT (TONS)	DIAGONALS (FT.)																
								AB (FT.)	AC (FT.)	BD (FT.)	CD (FT.)	P (NO.)	Q (FT.)	R (FT.)	S (NO.)	T (NO.)	V (NO.)	W (FT.)	X (FT.)								Y (FT.)	Z (FT.)	AD	BC													

MAIN LANE NO.: LANE NO. 1 IS ADJACENT TO MEDIAN SHOULDER.
 RAMP LANE NO.: LANE NO. 1 IS ADJACENT TO THE INSIDE SHOULDER.
 MARK NO.: EACH PANEL SHALL BE INDIVIDUALLY MARKED FOR CORRECT PLACEMENT.
 LANE TYPE: "OUT" IN THIS COLUMN INDICATES OUTSIDE LANE.
 "MID" IN THIS COLUMN INDICATES MIDDLE LANE.
 "IN" IN THIS COLUMN INDICATES INSIDE LANE

*** LEGEND**

DB= DOWEL BAR EMBEDDED
 DS= DOWEL SLOT
 ST= SLOT OR HOLE FOR STITCHED TIE BAR
 RD= FIELD RETROFITTED DOWEL BARS



NOTES:

1. NO STITCHING OF DEFORMED TIE BARS IS REQUIRED WHEN PRECAST SLAB IS PLACED ADJACENT TO HMA SHOULDER.
2. TIE BAR STITCHING SHALL BE REQUIRED WHEN THE REPAIR AREA LENGTH EXCEEDS 20 FT. OR WHEN MORE THAN 3 PRECAST SLAB ARE PLACED IN SEQUENCE.

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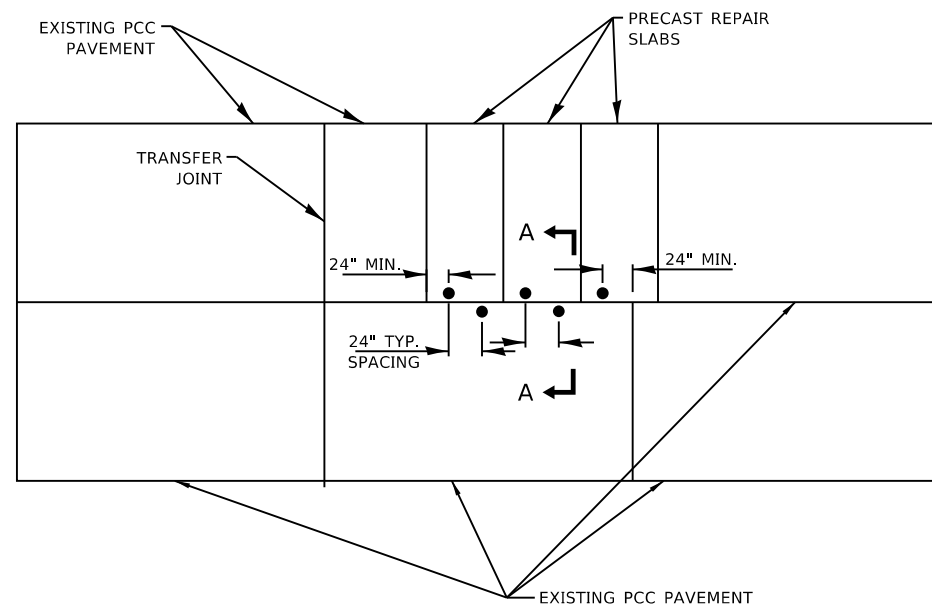
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

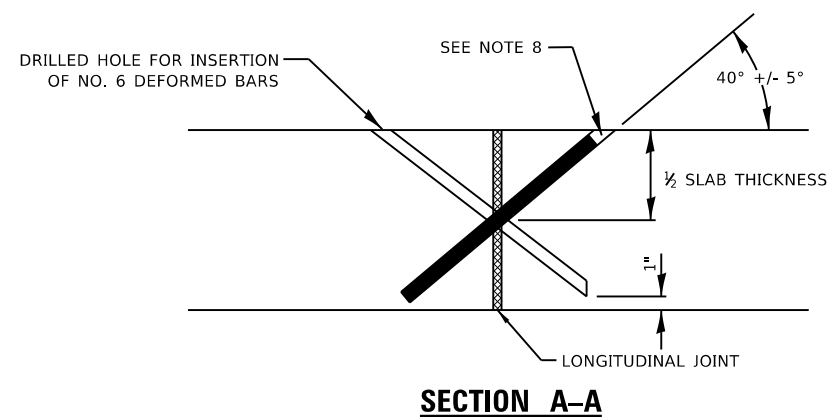
PRECAST CONCRETE PAVEMENT SLABS

SCALE: NONE SHEET 18 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	76
BD 57		CONTRACT NO. 62H21		
ILLINOIS FED. AID PROJECT				



**DETAIL H – LONGITUDINAL TIE BAR
STITCHING FOR PRECAST PANELS**

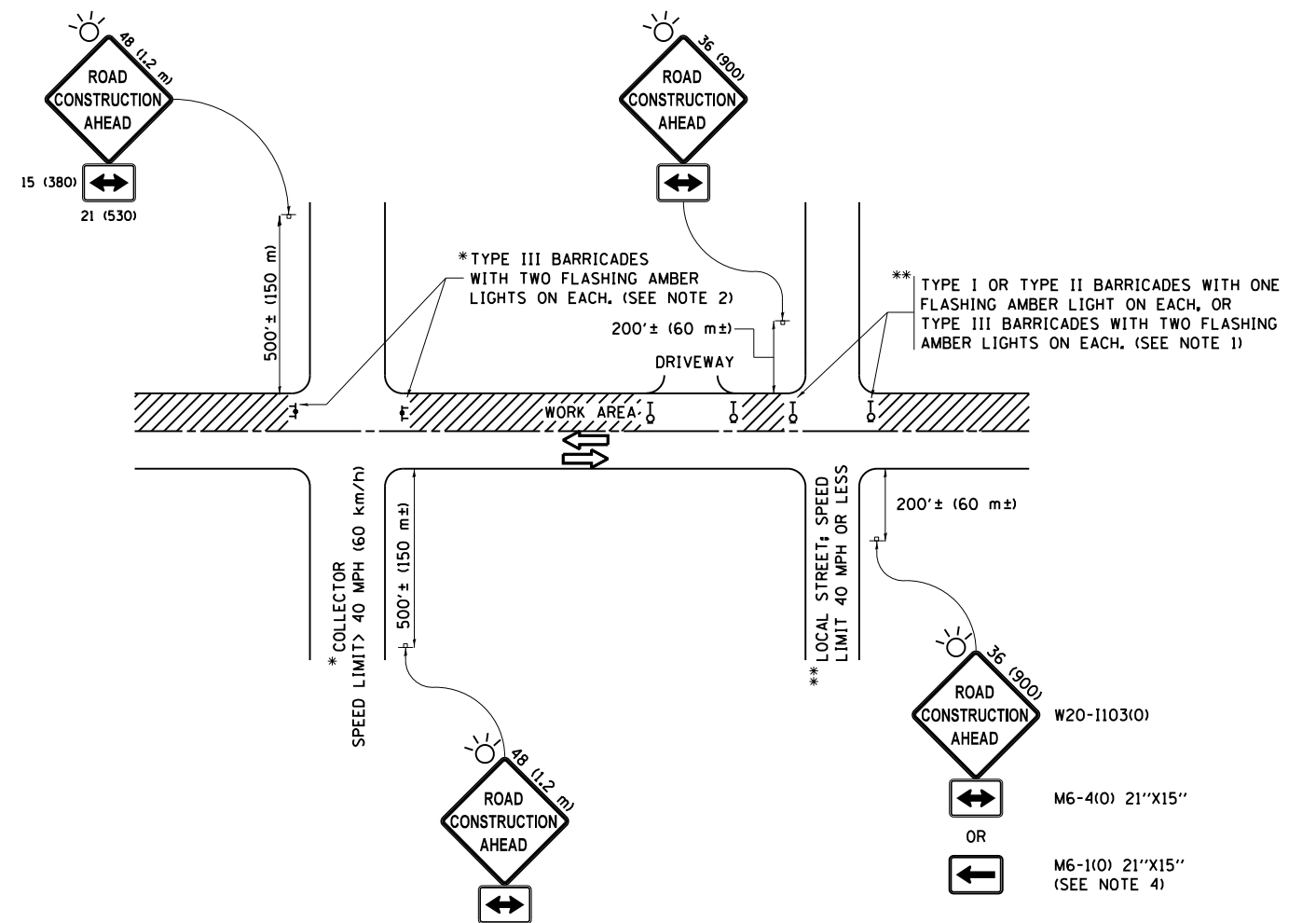


NOTES FOR TIE BAR STITCHING:

1. DRILL HOLES THAT ARE ORIENTED AT 40° ± 5° ANGLE TO THE PAVEMENT SURFACE SO THAT THEY INTERSECT THE LONGITUDINAL CRACK OR JOINT AT ABOUT MID-DEPTH. (IT IS IMPORTANT TO START DRILLING THE HOLE AT A CONSISTENT DISTANCE FROM THE JOINT, IN ORDER TO CONSISTENTLY CROSS AT THE MID-DEPTH OF THE SLAB.)
2. HOLE CENTERLINES ARE PERPENDICULAR TO THE JOINT (IN PLAN VIEW) AT EACH LOCATION BEING DRILLED.
3. SELECT A DRILL THAT MINIMIZES DAMAGE TO THE CONCRETE SURFACE, SUCH AS A HYDRAULIC POWERED DRILL. SELECT A DRILL DIAMETER NO MORE THAN 0.375 IN. LARGER THAN THE TIE-BAR DIAMETER. CHOOSE A GANG-MOUNTED DRILL IF A HIGHER PRODUCTIVITY IS NEEDED.
4. DRILL HOLES WITH NO LESS THAN A 24 INCH BAR SPACING. ADJACENT HOLES ARE DRILLED IN OPPOSITE DIRECTIONS ACROSS THE JOINT. THE HOLES AND INSERTED TIE BAR SHALL BE NO LESS THAN 24 INCHES FROM ANY EXISTING TRANSVERSE JOINT OR ANY PRECAST OR REPAIR TRANSFER JOINT.
5. HOLE BOTTOMS ARE NO MORE THAN 1 INCH FROM THE SLAB BOTTOM.
6. AIR BLOW THE HOLES TO REMOVE DUST AND DEBRIS AFTER DRILLING.
7. INJECT ADHESIVE INTO THE HOLE, LEAVING SOME VOLUME FOR THE BAR TO OCCUPY THE HOLE. (POURING THE ADHESIVE IS ACCEPTABLE FOR SMALL QUANTITIES.)
8. INSERT THE NO. 6 EPOXY COATED DEFORMED TIE BAR INTO THE HOLE, LEAVING ABOUT 1 IN. FROM THE TOP OF BAR TO THE PAVEMENT SURFACE. DEFORMED TIE BARS SHALL BE EPOXY COATED.
9. REMOVE EXCESS ADHESIVE AND FINISH FLUSH WITH THE PAVEMENT SURFACE.

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				SCALE: NONE SHEET 19 OF 19 SHEETS STA. TO STA.		BD 57 CONTRACT NO. 62H21 ILLINOIS FED. AID PROJECT	



NOTES:

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

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

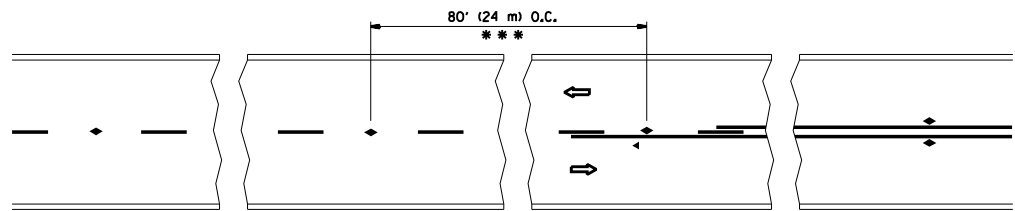
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	PLOT DATE = 8/16/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

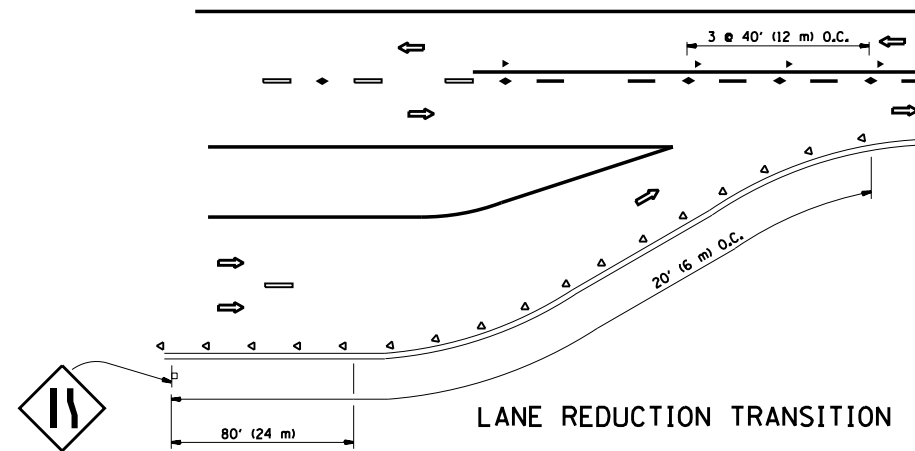
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62H21	
ILLINOIS FED. AID PROJECT				

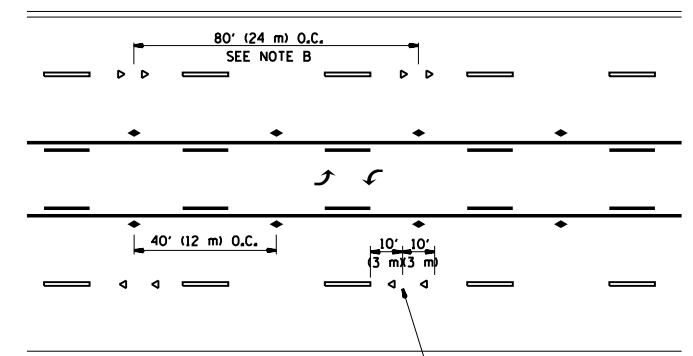


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

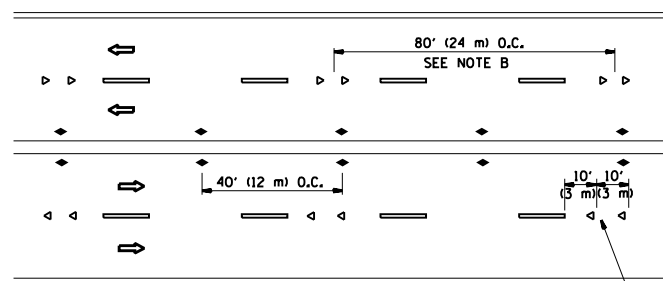
TWO-LANE/TWO-WAY



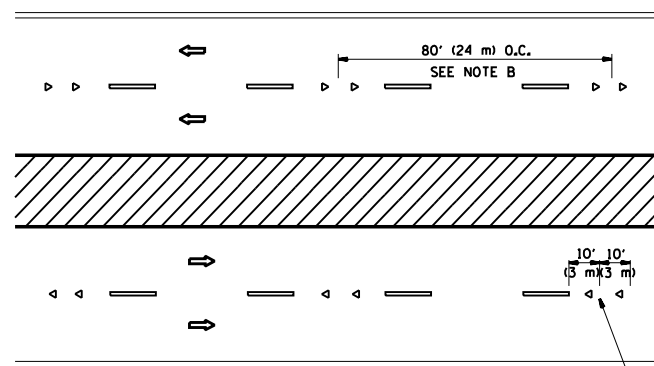
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

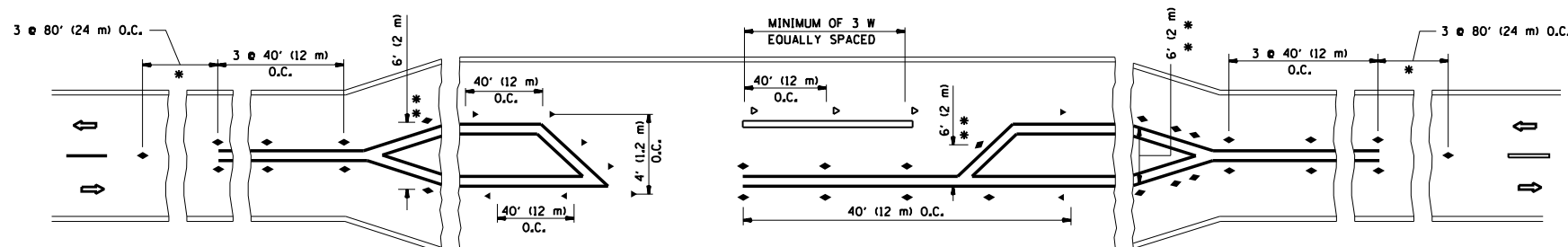
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

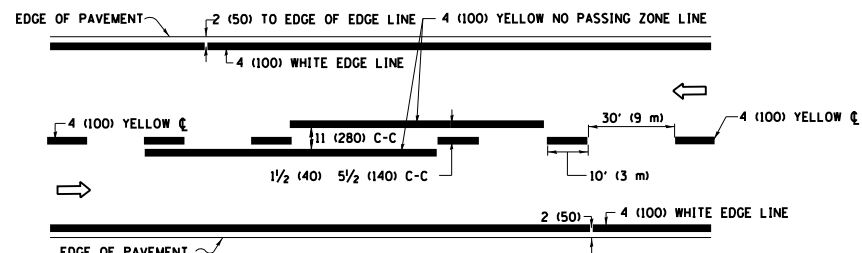


LEFT TURN

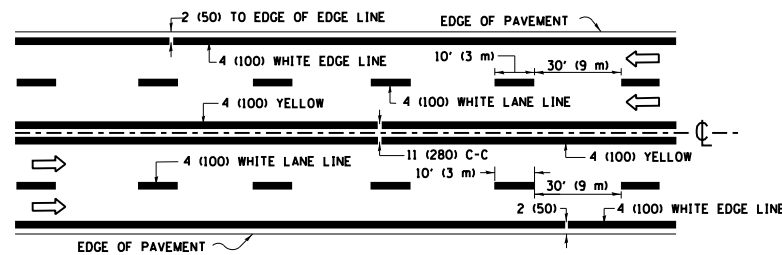
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

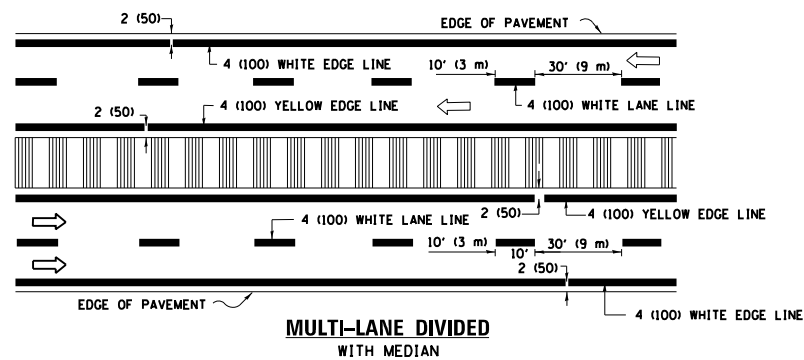
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pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151\Drawings\Design\DistStd.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99		RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	341	2018-070-RS	COOK	85	79		
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE	TC-11		CONTRACT NO. 62H21				
PLOT DATE = 8/16/2019		DATE -	REVISED - C. JUCIUS 09-09-09		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



2-LANE ROADWAY

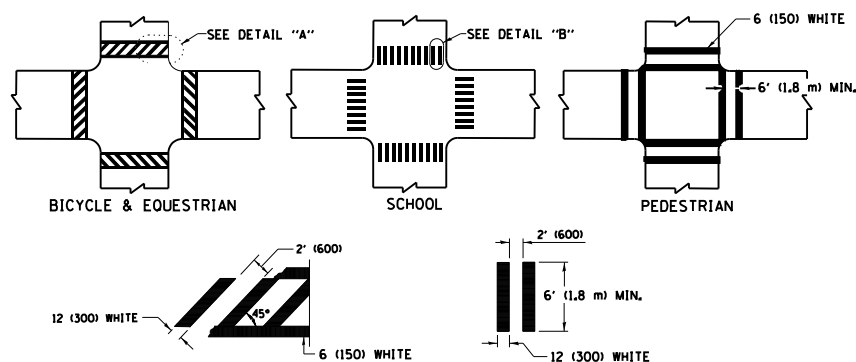


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

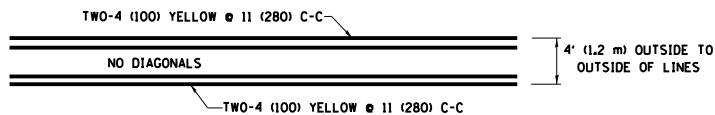


DETAIL "A"

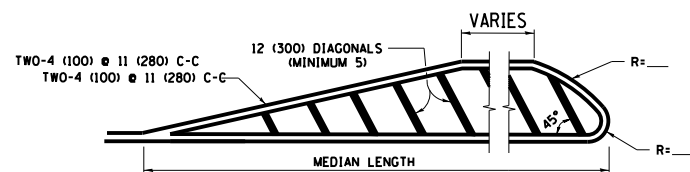
DETAIL "B"

TYPICAL CROSSWALK MARKING

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



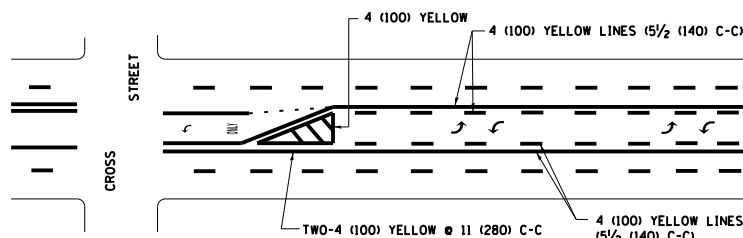
4' (1.2 m) WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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))

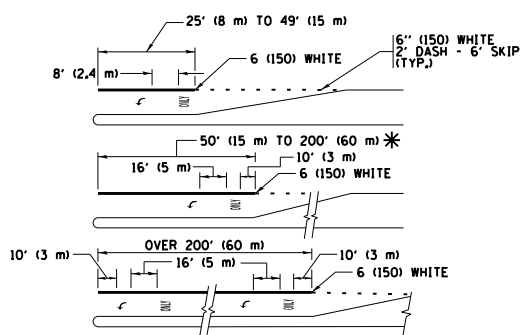
MEDIANS OVER 4' (1.2 m) WIDE



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

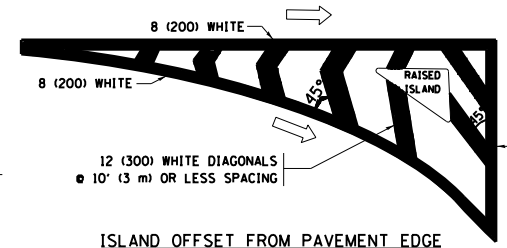


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

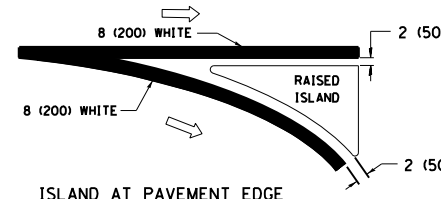
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

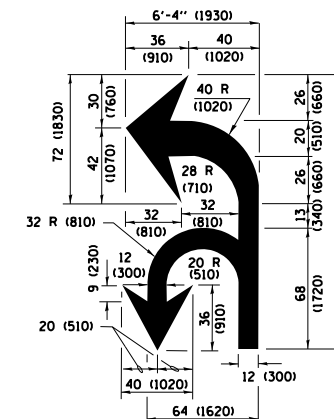


ISLAND OFFSET FROM PAVEMENT EDGE

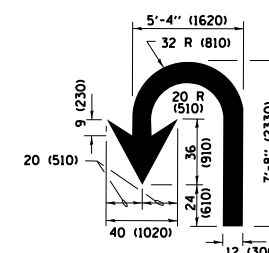


ISLAND AT PAVEMENT EDGE

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.

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE, FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINE; "RR" 15' 6" (4.7 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = gorengautab	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pwt\planroom\dot\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\010151\DRAWING\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.4297' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 8/16/2019		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

F.A.P. RTE. 341	SECTION 2018-070-RS	COUNTY COOK	TOTAL SHEETS 85	SHEET NO. 80
TC-13		CONTRACT NO. 62421		ILLINOIS FED. AID PROJECT

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

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

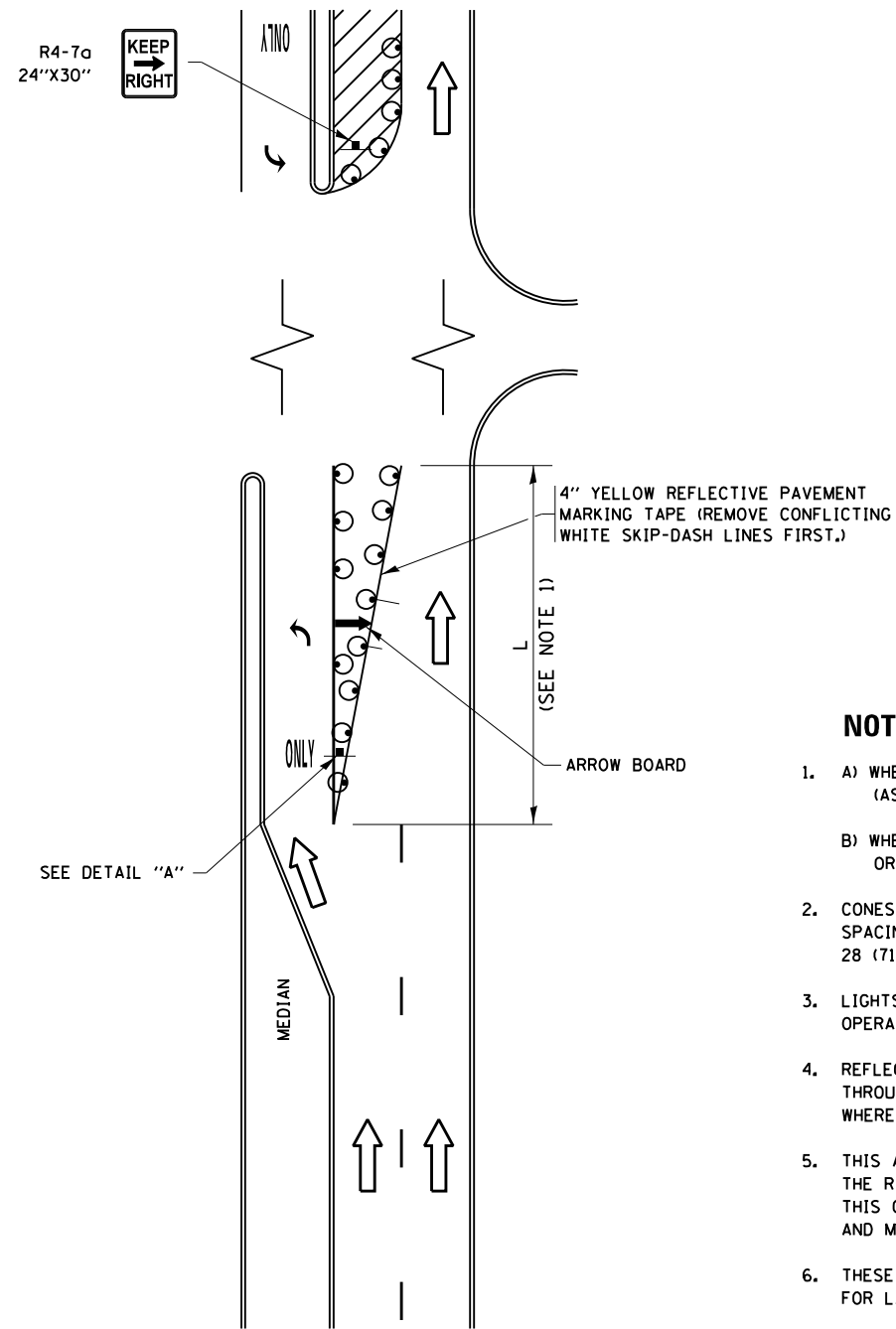


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

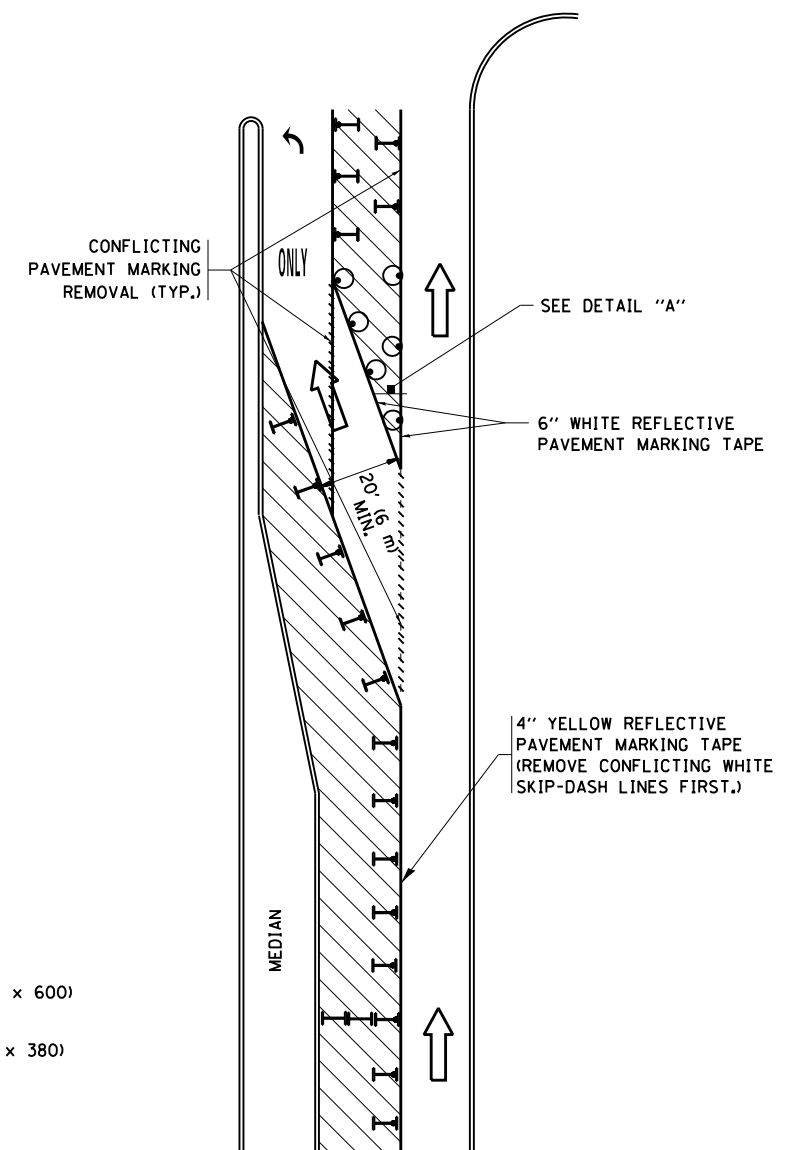


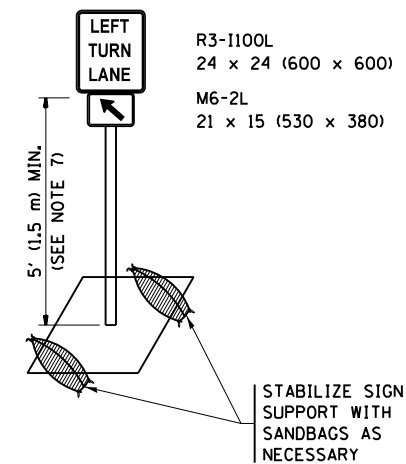
FIGURE 2

LEGEND

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

NOTES:

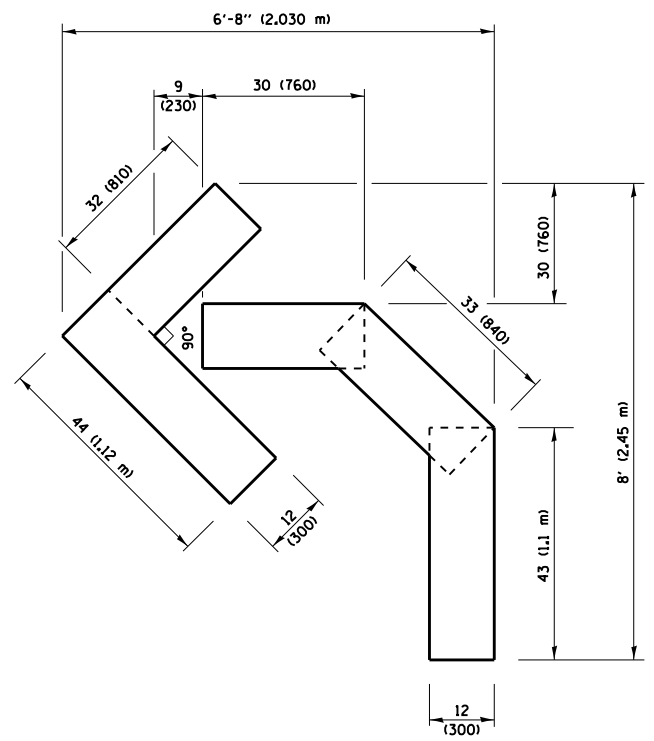
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS.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



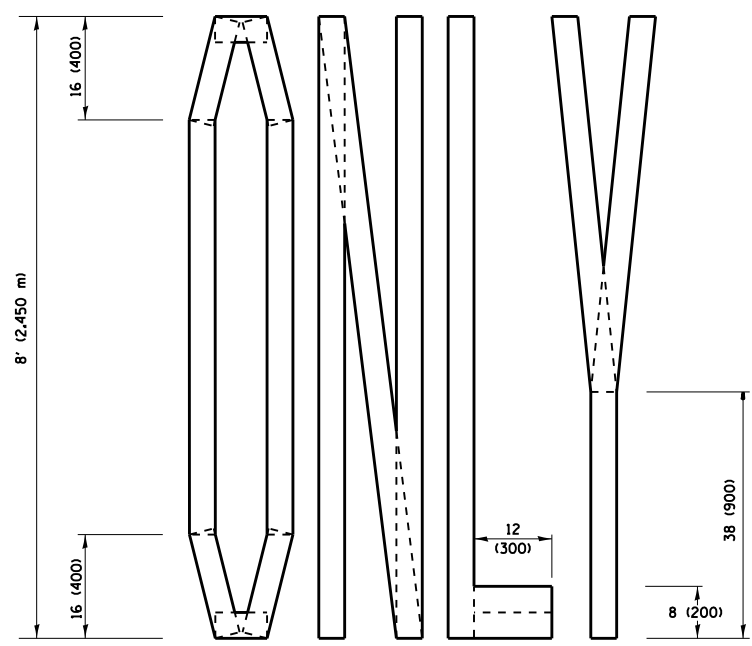
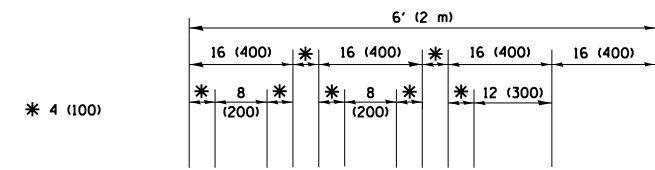
DETAIL A

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

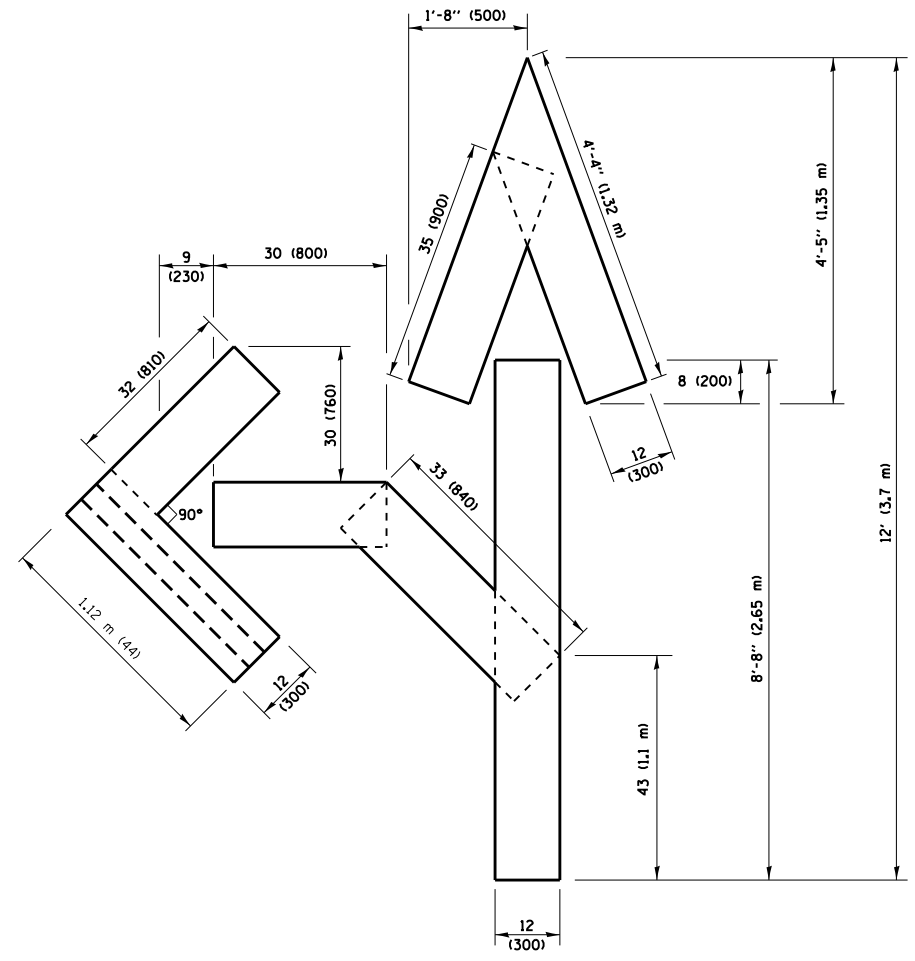
FILE NAME =	USER NAME = gorengautob	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151\	DESIGN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	341			2018-070-RS	COOK	85	81	
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62H21		
	PLOT DATE = 8/15/2019	REVISED - T. RAMMACHER 01-06-00	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET 1 OF 1 SHEETS		STA.	TO STA.	



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

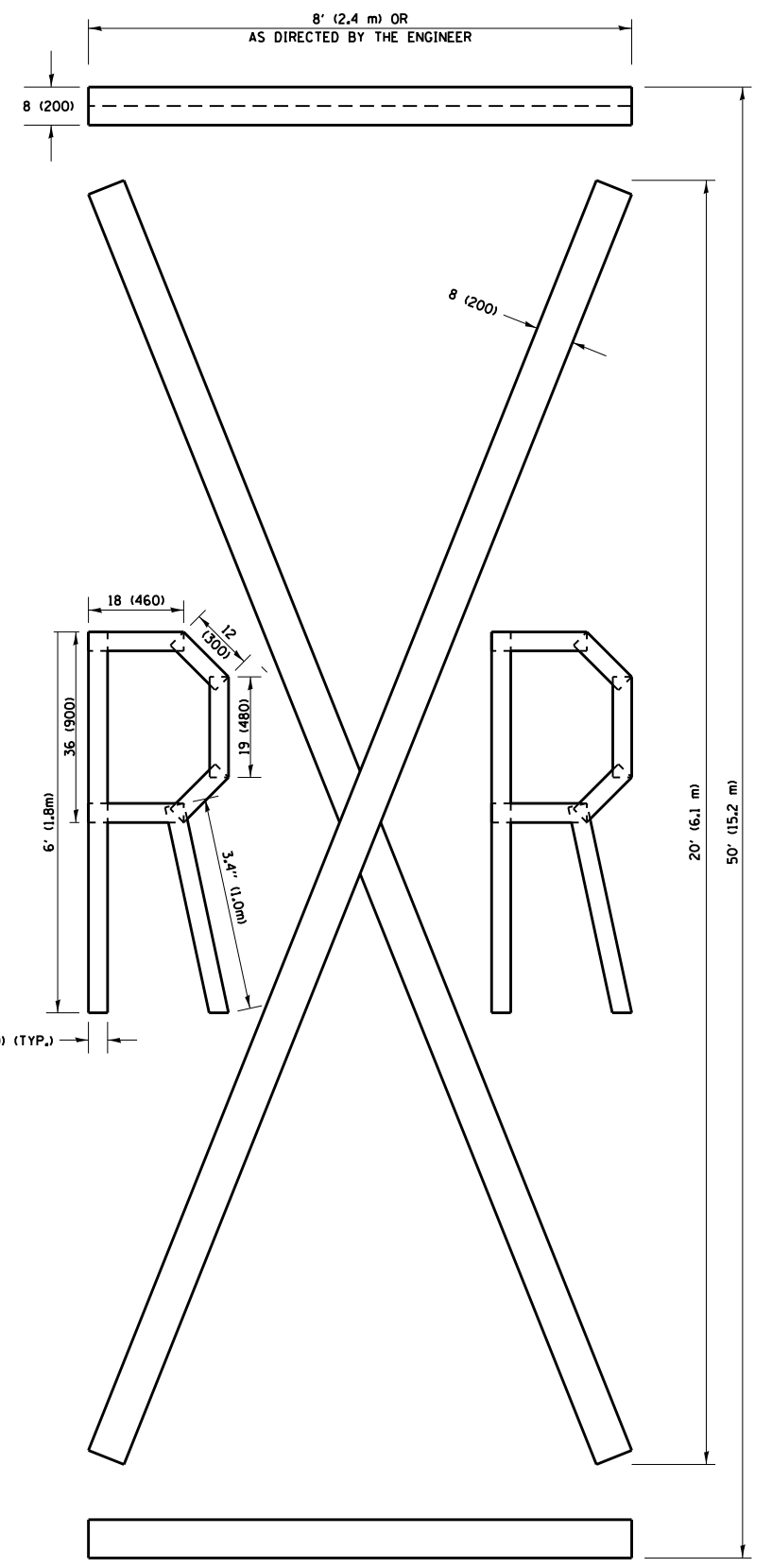


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

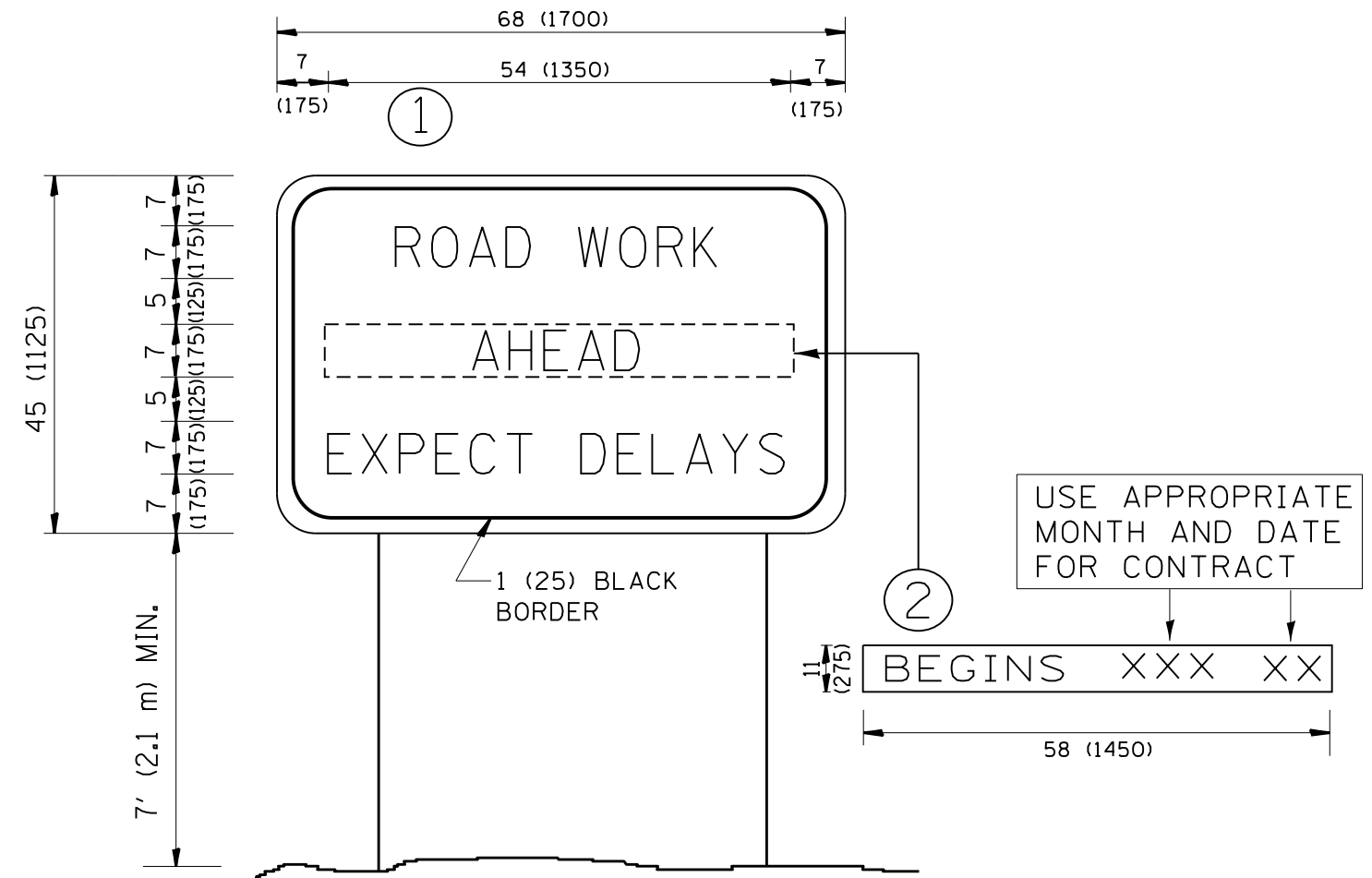
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = gorengautab	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw:\planroom.dot\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\010151\		DRAWN -	REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE -	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	2018-070-R5	COOK	85	82
TC-16			CONTRACT NO. 62H21	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME =	USER NAME = gorengautab	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151		DRAWN	REVISED - R. MIRS 12-11-97		341	2018-070-RS	COOK	85	83			
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		TC-22			CONTRACT NO. 62421				
	PLOT DATE = 8/16/2019	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

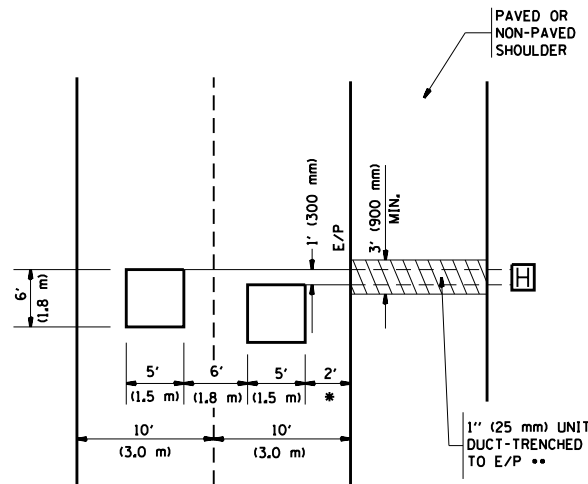
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	USER NAME = gorengautab	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS IL. ROUTE 72 (HIGGINS RD.) (KANE COUNTY LINE TO GLEN LAKE RD.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			341	2018-070-R5	COOK	85	84
	PLOT DATE = 8/16/2019	CHECKED -	REVISED -			CONTRACT NO. 62H21				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET OF SHEETS	STA.	TO STA.			

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

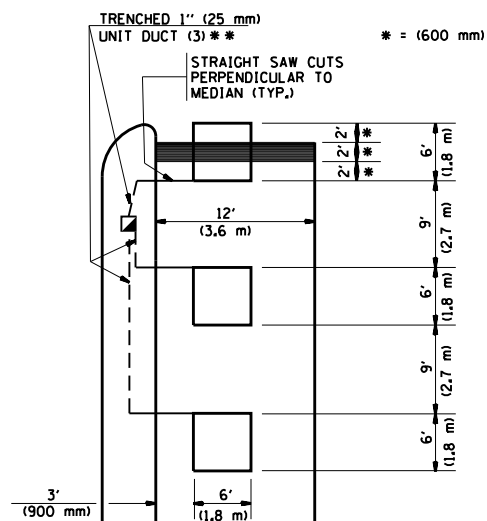


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

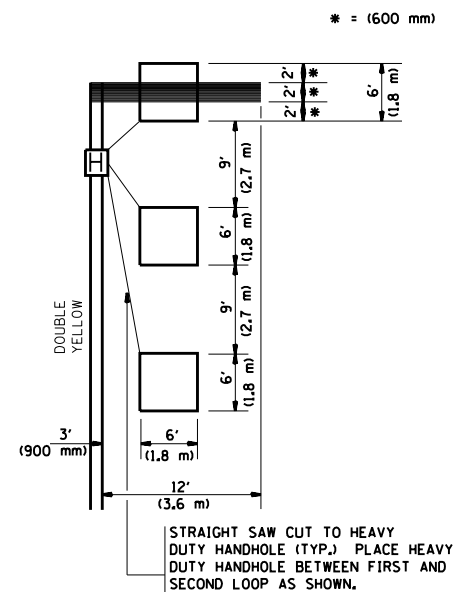
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

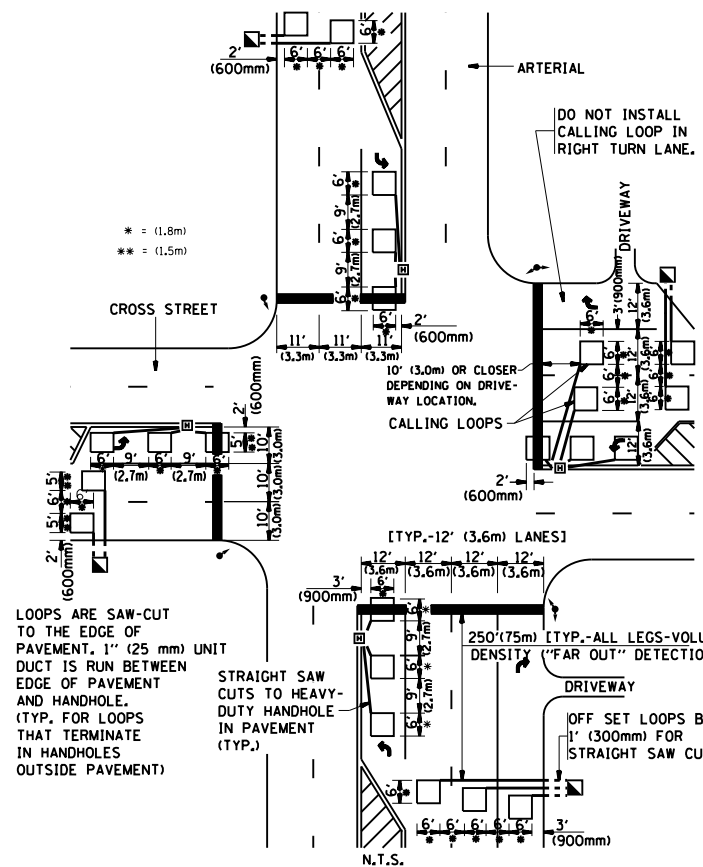
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

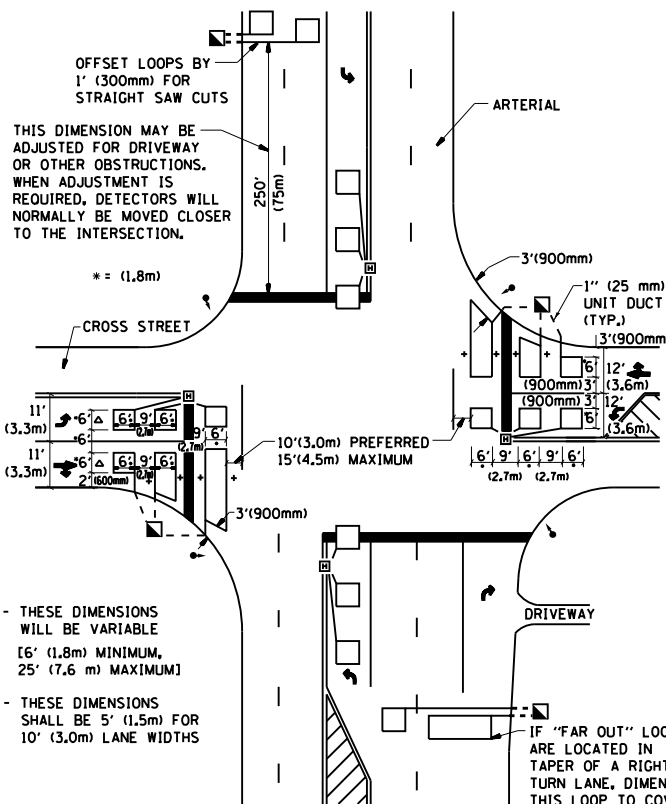
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2
N.T.S.**

FILE NAME =	USER NAME = gorengautob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\010151\Drawings\Design\DistStd.dgn	DRAWN -	REVISED -	341			2018-070-R5	COOK	85	85	
PLOT SCALE = 100.0000' / in.	CHECKED - R.K.F.	REVISED -	TS-07			CONTRACT NO. 62H21				
PLOT DATE = 8/15/2019	DATE -	REVISED -	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	