FOR INDEX OF SHEETS, SEE SHEET NO. 2

**DEPARTMENT OF TRANSPORTATION** 

## \* 89+7=96 TOTAL SHEETS

D-91-244-20

## **PROPOSED** HIGHWAY PLANS

**FAP ROUTE 341: TOUHY AVE** FROM IL-72 (HIGGINS AVE) TO US-14 (CALDWELL AVE) **SECTION 2019–106–RS&SW** PROJECT NHPP-4ZLH(286) **DESIGNED OVERLAY, ADA IMPROVEMENTS COOK COUNTY** 

C-91-024-20

TRAFFIC DATA:

1-800-892-0123

CONTRACT NO. 62J80

0

0

0

0

**TOUHY AVENUE:** 2019 ADT = 48,800SPEED LIMIT = 40-35-30-25 MPH

PROJECT IS LOCATED IN THE

CITY OF CHICAGO, VILLAGE OF NILES, CITY OF PARK RIDGE, AND CITY OF DES PLAINES

**PROJECT BEGINS** 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. CHICAGO UTILITY ALERT NETWORK 312-744-7000 J.U.LI.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS

STA 23+44

Z

PROJECT ENGINEER VESELIN VELICHKOV (847)705-4432 PROJECT MANAGER FAWAD AQUEEL (847)705-4247

R 12 E R 13 E STA 114+57 - STA 117+99 STA 201+33 - STA 204+65 STA 295+01 - STA 295+66 /FOSTER

> GROSS LENGTH = 28,949 FT. = 5,483 MILE NET LENGTH = 28,328 FT. = 5.365 MILE

LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**PROJECT ENDS** STA 315+10

**RESURFACING OMISSIONS:** 

STA 86+41 - STA 95+38

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV.-SP

## INDEX OF SHEETS LIST OF STATE STANDARDS GENERAL NOTES

SHEET NO.	DESCRIPTION	STANDARD NO. I	<u>DESCRIPTION</u>
1	COVERSHEET	000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
2	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES	424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
3 - 6	SUMMARY OF QUANTITIES	424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
	·	424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
7	EXISTING & PROPOSED TYPICAL SECTIONS	424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
8 - 18	ROADWAY & PAVEMENT MARKING PLANS	424021-05	DEPRESSED CORNER FOR SIDEWALKS
19 - 34	DETECTOR LOOP PLANS	442201-03	CLASS C AND D PATCHES
35 - 63	ADA CURB RAMP DETAILS	606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
64	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
65	OF CURB & EDGE OF SHOULDER ≥15' (4.5m) (BD-01) DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF	701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
	CURB < 15' (4.5m)  DETAILS FOR FRAMS AND LIDS ADJUSTMENT WITH MILLING	701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
66	(BD-8)	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
67	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
68	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
69	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH
70	CITY OF CHICAGO DETECTABLE WARNINGS (BD-58)	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
		701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
71	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)	701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
72	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701701-10 701801-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
73	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	701801-08	SIDEWALK, CORNER OR CROSSWALK CLOSURE  TRAFFIC CONTROL DEVICES
74	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	780001-05	TYPICAL PAVEMENT MARKINGS
75	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)	781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
76	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)		
77	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)		
78	ARTERIAL ROAD INFORMATION SIGN (TC-22)		
79 - 80	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS (TC-23)		
81 - 83	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24)		
84	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)		
85	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-02)		
86	PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS (PD-03)		
87	PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE (PD-04)		
88	PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS (PD-05)		
89	PROJECT DETAIL FOR PARALLEL CURB RAMPS (PD-06)		
89A-89B	ILLINOIS TOLLWAY CONSTRUCTION SIGNS (STANDARD E1)		
89C-89E	ILLINOIS TOLLWAY LANE CLOSURE DETAILS (STANDARD E2)		
89F	ILLINOIS TOLLWAY SHOULDER CLOSURE DETAILS (STANDARD E3)		

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL C.U.A.N. AT 312-744-7000 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED).
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- 3. 10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
- 4. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 6. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H) WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 7. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 8. THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, DON CHIARUGI, AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- 9. ALL PAVEMENT PATCHING AND COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 10. 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.
- 11. THE CONTRACTOR SHALL CONTACT THE DITRICT ONE TRAFFIC CONTROL
  SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72
  HOURS IN ADVANCE OF BEGINNING WORK.
- 12. PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 13. STEVE MEDNIS, ILLINOIS TOLLWAY ROADWAY INCIDENT MANAGER, MUST BE INFORMED 3 DAYS PRIOR TO ANY PROJECTED DETOURS, WITH CONFIRMATION PROVIDED TO THE TOLLWAY LANE CLOSURES SITE PRIOR TO 3PM TWO DAYS PRIOR TO THE DETOUR. TOLLWAY PERMIT AUTHORIZATOIN LETTER WILL PROVIDE CLEAR INSTRUCTIONS TO THE CONTRACTOR ON ILLINOIS TOLLWAY PROCEDURES PRIOR TO ANY RAMP IMPACTS.

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ILLINOIS TOLLWAY TEMPORARY GORE DETAILS (STANDARD

89G

TOUHY AVE.	(IL. RTE. 7	2 (HIGO	INS RD.)	TO US 1	4 (CALDWELL AVE.))	R
INDEX OF	SHEETS,	STATE	STANDAR	DS AND	GENERAL NOTES	H
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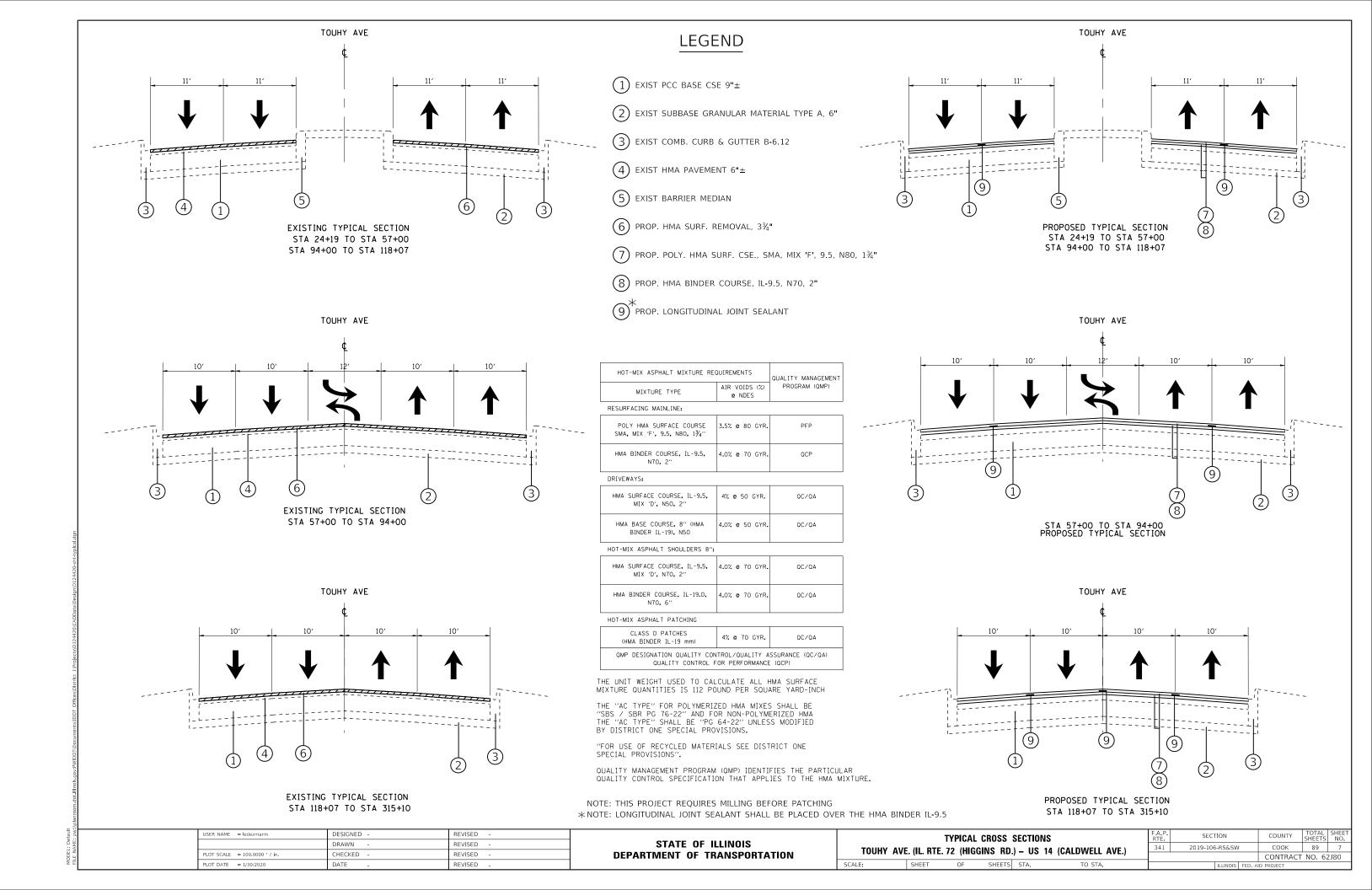
341	2019-106-RS-SW	COOK	96	2
		CONTRACT	NO. 6	2J80
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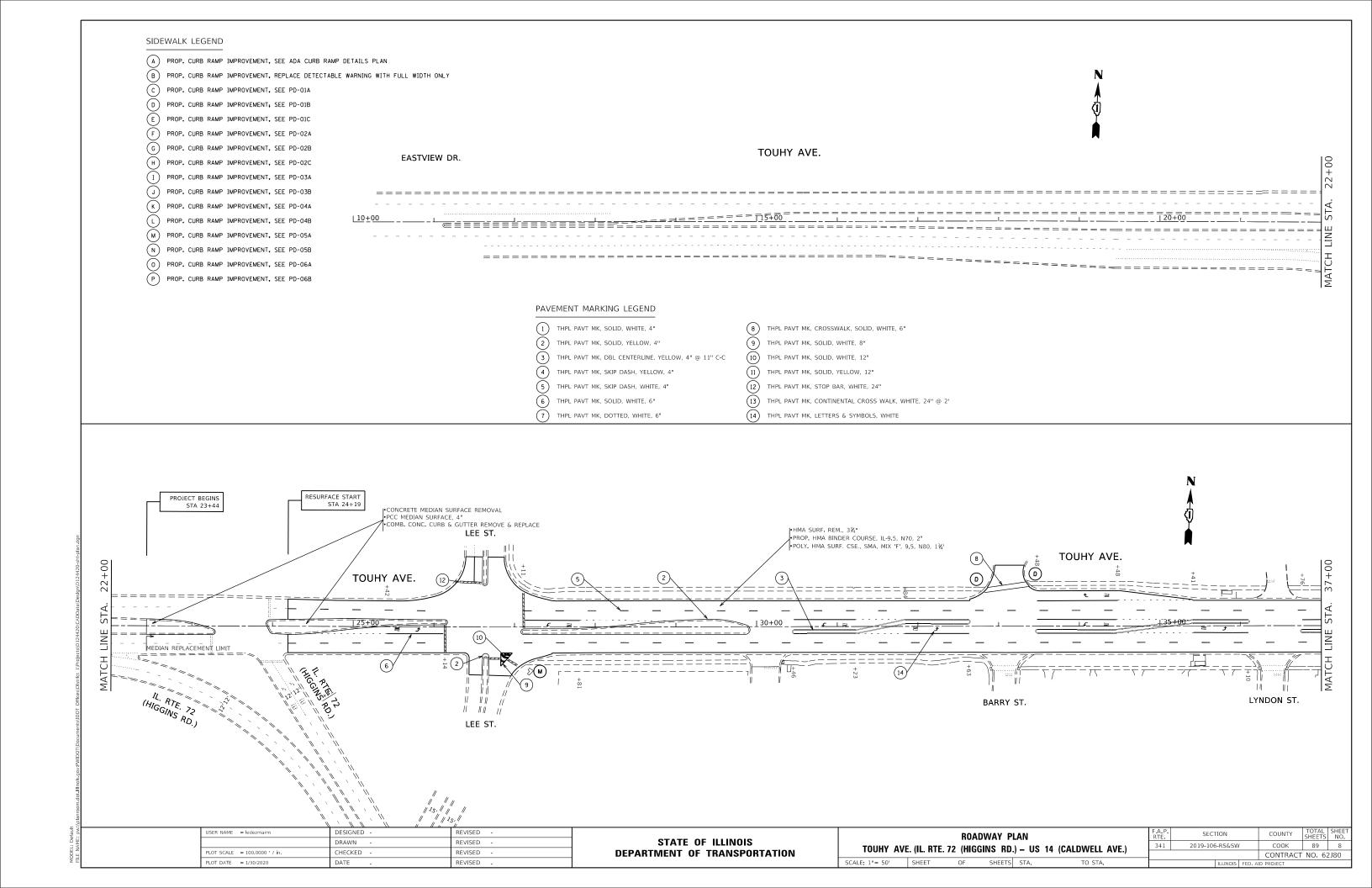
	CHAMADY OF QUANTITIES		UKBAN	С	ONSTRUCTION TYPE CODE		CHANADA OF CHANTER		URBAN		CO	NSTRUCTION TYPE CODE	
	SUMMARY OF QUANTITIES		   <b>_</b>			<b> </b>	SUMMARY OF QUANTITIES		ļ <u></u>				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 100% 20% ST STATE 0005 0005		CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0005	100% STATE 0005		
20200100	EARTH EXCAVATION	CU YD	293	293		40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	16252	16252			
							COURSE, STONE MATRIX ASPHALT, 9.5, MIX						
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	33	33			"F", N80						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1700	1700		42001300	PROTECTIVE COAT	SQ YD	8316	8316			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY	SQ YD	106	106			
							PAVEMENT, 6 INCH						
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10									
			<u> </u>			42300400	PORTLAND CEMENT CONCRETE DRIVEWAY	SQ YD	123	123			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10			PAVEMENT, 8 INCH						
25200110	SODDING, SALT TOLERANT	SQ YD	1700	1700		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	35410	35410			
23200110	JODDING, JALI TOLLINIT	34 15		1700		42400200	TONIDAND CEMENT CONCRETE SIDEWALK S INCIT	3411	33410	33410			
25200200	SUPPLEMENTAL WATERING	UNIT	6	6		42400800	DETECTABLE WARNINGS	SQ FT	2318	2318			
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	131	131		44000100	PAVEMENT REMOVAL	SQ YD	62	62			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	111939	111939		44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	165835	165835			
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	249	249		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	341	341			
	FLANGEWAYS												
			<u> </u>			44000300	CURB REMOVAL	FOOT	710	710			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SQ YD	1819	1819									
	JOINT					44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1390	1390			
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5,	TON	18574	18574		44000600	SIDEWALK REMOVAL	SQ FT	12329	12329			
	N70												
						44003100	MEDIAN REMOVAL	SQ FT	2800	2800		F	REV-SEP
	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	15	15		44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	40	40		* SPECIA	LTY ITEM
FILE NAME =	USER NAME = ledezmarm	DESIGNED -		REVISED -			TOUHY AVE. FROM IL-72 (				F.A.P.	SECTION COUNT	JOHEL 13 1101
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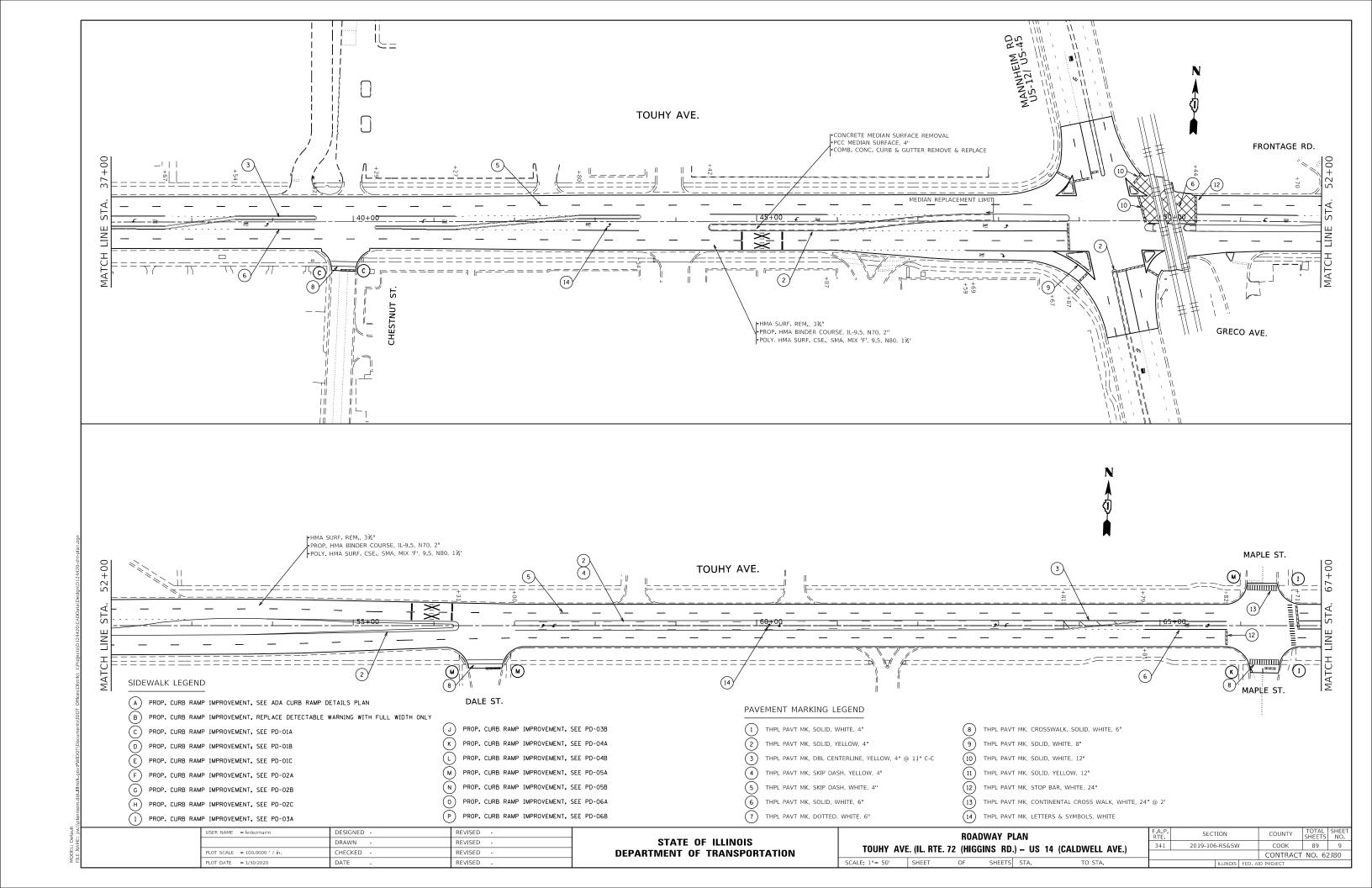
	SUMMARY OF QUANTITIES		UKBAN		CON	NSTRUCTION	N TYPE CO	ODE		П	Cinn	AADV OF QUANTITIES		URBAN T		CO	NSTRUCTIO	N TYPE CO	ODE	
	SUMMARY OF QUANTITIES									1	SUMM	MARY OF QUANTITIES								
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0005	100% STATE 0005						CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% ST 0005	100% STATE 0005				
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	724	724							60603800 COMBINATION	CONCRETE CURB AND GUTTER,	FOOT	1277	1277					
											TYPE B-6.12									
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	1047	1047																
											60604400 COMBINATION	CONCRETE CURB AND GUTTER,	FOOT	65	65					
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	1797	1797							TYPE B-6.18									
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	102	102							60605000 COMBINATION	CONCRETE CURB AND GUTTER,	FOOT	29	29					
48102100	AGGNEGATE WEDGE SHOULDEN, TITE B	TON	102	102						]	TYPE B-6.24	CONCRETE COMB AND GOTTEN,	1001	29	29					
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1453	1453						]   										
											60618300 CONCRETE ME	DIAN SURFACE, 4 INCH	SQ FT	8060	8060					
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW	EACH	3	3																
	TYPE 1 FRAME, OPEN LID									*	66900200 NON-SPECIAL	WASTE DISPOSAL	CU YD	293	293					
				1			1	1		ļļ						1	1		1	
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	8	8						*	66900530 SOIL DISPOSAI	L ANALYSIS	EACH	5	5			1		
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1	EACH	5	5						]  *:	66901001 REGULATED SI	UBSTANCES PRE-CONSTRUCTION	LSUM	1	1					
	FRAME, CLOSED LID										PLAN									
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	23	23						*:	66901003 REGULATED SI	UBSTANCES FINAL CONSTRUCTION	LSUM	1	1					
			1 .								REPORT							1		
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2						]	66901006 REGULATED SI	UBSTANCES MONITORING	CAL DA	5	5					
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	7	7						]'	NEGGENTED 3	OBSTANCES MONITORING	CAL DA							<u> </u> 
										]	67000400 ENGINEER'S FI	ELD OFFICE, TYPE A	CAL MO	18	18					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	39	39																
											67100100 MOBILIZATION		L SUM	1	1					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	21	21																
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	86	86															REV	SEP
60600605	CONCRETE CURB, TYPE B	FOOT	710	710						]					<u> </u>			   * SPE(	CIALTY	ITEM
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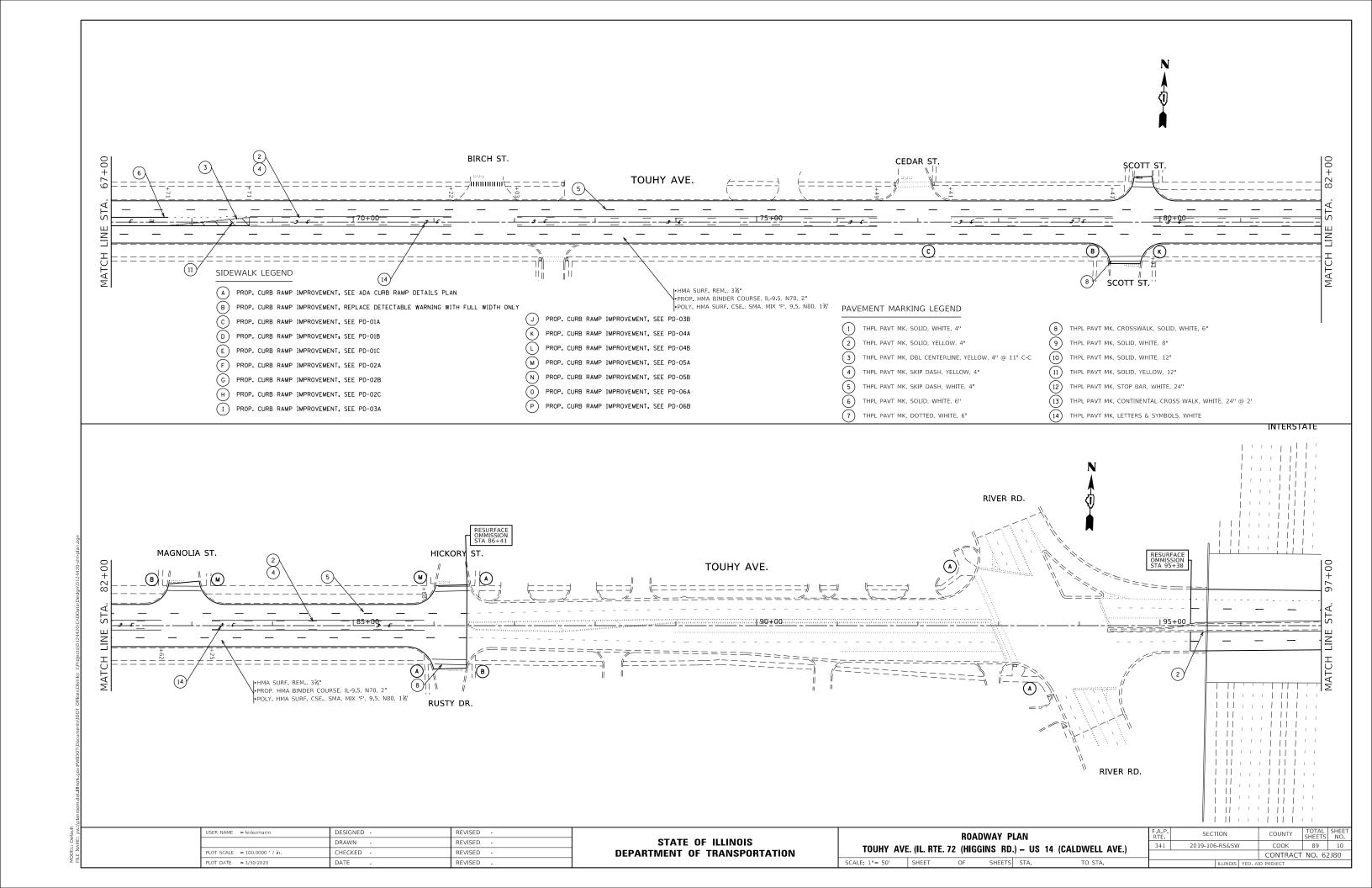
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	JUNINE	IN OF QUARTITIES		TOTAL							SUMM	ANT OF GUANTITIES		TOTAL				
CODE NO		ITEM	UNIT	QUANTITIES	80% FED 100% 20% ST STATE 0005 0005					CODE	10	ITEM	UNI T	QUANTITIES	80% FED 20% ST 0005	100% STATE 0005		
70102625	TRAFFIC CONTROL	AND PROTECTION,	L SUM	1	1					703005	PAVEMENT MAR	KING TAPE, TYPE III 4"	FOOT	14858	14858			
	STANDARD 701600	j																
									*	724002	00 REMOVE SIGN F	PANEL ASSEMBLY - TYPE B	EACH	3	3			
70102630	TRAFFIC CONTROL	AND PROTECTION,	L SUM	1	1													
	STANDARD 70160	[							*	724006	00 RELOCATE SIGN	I PANEL ASSEMBLY - TYPE B	EACH	3	3			
70102632	TRAFFIC CONTROL	AND PROTECTION,	L SUM	1	1				*	780001	00 THERMOPLASTIC	C PAVEMENT MARKING -	SQ FT	1429	1429			
	STANDARD 701602	2									LETTERS AND S	SYMBOLS						
70102635	TRAFFIC CONTROL	AND PROTECTION,	L SUM	1	1				*	780002	00 THERMOPLASTIC	C PAVEMENT MARKING - LINE	FOOT	70320	70320			
	STANDARD 70170	l									4"							
70102640	TRAFFIC CONTROL	AND PROTECTION,	L SUM	1	1				*	780004	00 THERMOPLASTIC	C PAVEMENT MARKING - LINE	FOOT	12958	12958			
	STANDARD 70180	ı									6"							
70107025	CHANGEABLE MESSA	GE SIGN	CAL DA	20	20													
70300100	SHORT TERM PAVE	MENT MARKING	FOOT	44574	44574				*	780005	00 THERMOPLASTIC	C PAVEMENT MARKING - LINE	FOOT	1281	1281			
											8"							
70300150	SHORT TERM PAVE	MENT MARKING REMOVAL	SQ FT	14407	14407													
									*	780006	00 THERMOPLASTIC	C PAVEMENT MARKING - LINE	FOOT	691	691			
70300210	TEMPORARY PAVE	MENT MARKING LETTERS AND	SQ FT	1429	1429						12"							
	SYMBOLS																	
									*	780006	-	C PAVEMENT MARKING - LINE	FOOT	5101	5101			
70300220	TEMPORARY PAVE	MENT MARKING - LINE 4"	FOOT	70320	70320						24"							
70300240	TEMPORARY PAVE	MENT MARKING - LINE 6"	FOOT	12958	12958				*	781001	00 RAISED REFLEC	TIVE PAVEMENT MARKER	EACH	2378	2378			
70300250	TEMPODARY BAYE	MENT MARKING - LINE 8"	FOOT	1281	1281					783002	DAISED DEELES	TIVE PAVEMENT MARKER	EACH	2378	2378			
70300230	TEMPORARI PAVE	DENT MANNING - LINE 0	1001	1201	1201					703002	REMOVAL	THE FAVERENT MARKET	EACH	2310	23/0			
70300260	TEMPORARY PAVE	MENT MARKING - LINE 12"	FOOT	691	691													REV-SEP
									*	850002	00 MAINTENANCE	OF EXISTING TRAFFIC SIGNAL	EACH	8	8			IVE V   OEI
70300280	TEMPORARY PAVE	MENT MARKING - LINE 24"	FOOT	5101	5101						INSTALLATION							* SPECIALTY ITEM
FILE NAME =	H	USER NAME = Velichkovv  (ces\District \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	DESIGNED -		REVISED - REVISED -			CTAT	E OF IL	LIMOIS		TOUHY AVE. FROM IL-7	2 (HIGGINS RD) TO	US-14 (CA	LDWELL AVI	F.A.P. RTE.	SECTION	SHEETS  NO.
, party outbourness	F	PLOT SCALE = 100,0000 '/ In.	CHECKED -		REVISED -		D	SIAI EPARTMENT			TATION		MMARY OF QUANT			341	20189-106-1	COOK 89 5
		PLOT DATE = 1/31/2020	DATE -		REVISED -							SCALE: SHEET NO.	OF SHEETS STA	. 1	O STA.	FED. ROA	D DIST. NO. 1  IL	INOIS FED. AID PROJECT

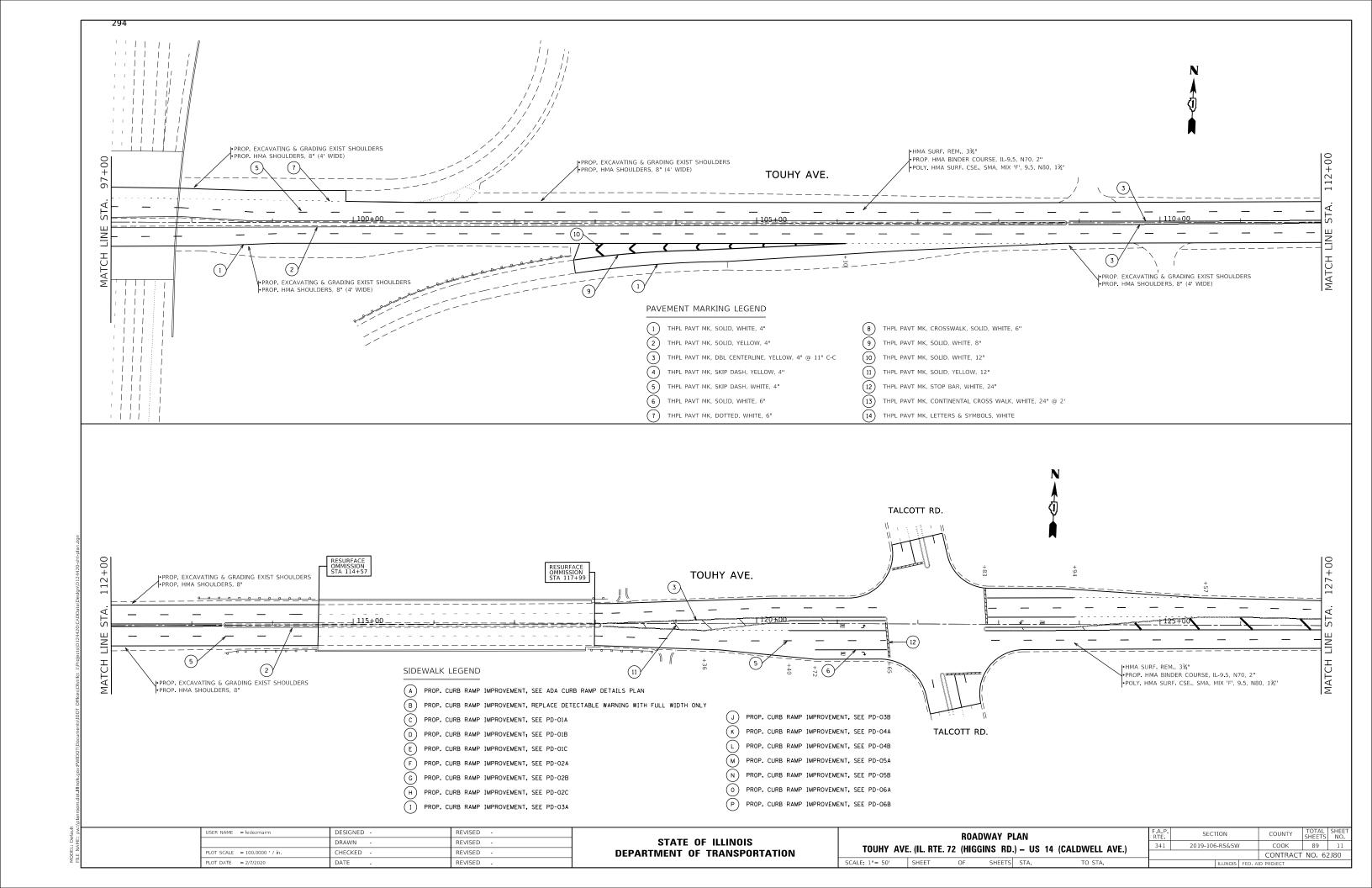
Company   Comp		<u> </u>	DV 05 0000000000000000000000000000000000		URBAN		CONSTRUCTION TYPE	CODF					TURBAN		CO	NSTRUCTIO	N TYPE CC	DE	
Company   March   Ma		SUMMA	ARY UF QUANTITIES				33.1011.00110111111	7722			SUMMARY OF QUANTITIES		_			.2			
Billion   Tribute   File   F	CODE NO		ITEM	UNIT		20% ST	STATE			CODE NO	ITEM	UNIT		20% ST	STATE				
1909   1907	* 88600600	DETECTOR LOOP F	REPLACEMENT	FOOT	7145	7145				Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	463	463					
1909   1907																			
1909   1907	* 00000100	DEDESTRIAN DUSH	LPUTTON	EACH	1	1				70022700	LONGITUDINAL IOINT SEALANT	FOOT	75702	75702					
200000 MANUAL MA	88800100	PEDESTRIAN FOSH	FBUTTON	EACH	1	1				20033700	LONGITUDINAL JOINT SEALANT	1	73792	73792					
200000 MANUAL MA																			
	<b>*</b> 89500400	RELOCATE EXISTIN	NG PEDESTRIAN PUSH-BUTTON	EACH	19	19				Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
										X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					
Security	* 89502376	REBUILD EXISTING	HANDHOLE	EACH	12	12													
TO LINEON TO LINEON SAMPLES PRODUCED SPECIAL TO LINEON SPECIAL										<b>Z</b> 0076600	TRAINEES	HOUR	1000	1000					
0020000 CONSTRUCTION AND CONTINUENCE PROPER  1. EM 1. I. I. II. II. II. II. II. II. II. II	X0320015	MAINTENANCE OF	TRAFFIC (ILLINOIS	L SUM	1	1													
0020000 CONSTRUCTION AND CONTINUENCE PROPER  1. EM 1. I. I. II. II. II. II. II. II. II. II		TOLLWAY								70076604	TRAINEES TRAINING PROGRAM GRADUATE	HOLIR	1000	1000					
		I OLEWAY)							<u> </u>	20070001		HOOK	1000	1000					
Marie   Mari	X0320050	CONSTRUCTION LA	YOUT (SPECIAL)	L SUM	1	1													
Marie   Mari																			
M493020 CORCRETE MIDAY SURFACE REMOVAL 50 FT 5250 5359 5359 5359 5359 5359 5359 5359 53	X0327611	REMOVE AND REIN	NSTALL BRICK PAVER	SQ FT	1917	1917													
M493020 CORCRETE MIDAY SURFACE REMOVAL 50 FT 5250 5359 5359 5359 5359 5359 5359 5359 53																			
M493020 CORCRETE MIDAY SURFACE REMOVAL 50 FT 5250 5359 5359 5359 5359 5359 5359 5359 53	X4240800	DETECTABLE WAR	NINGS (SPECIAL)	SO FT	345	345													
2537/800   STORM SEWERS TO BE CLEANED 12"   FOOT   1875   3875	74.2.1000			34	3.5	3.5													
2537/800   STORM SEWERS TO BE CLEANED 12"   FOOT   1875   3875																			
X6000310   FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)   EACH   373   373	X4402020	CONCRETE MEDIAI	N SURFACE REMOVAL	SQ FT	5260	5260													
X6000310   FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)   EACH   373   373																			
X7030005   TEMPORARY PAVEMENT MARKING REMOVAL   SQ FT   S7502   S7502	X5537800	STORM SEWERS T	O BE CLEANED 12"	FOOT	3875		3875												
X7030005   TEMPORARY PAVEMENT MARKING REMOVAL   SQ FT   S7502   S7502																			
X8950205 REBUILD EXISTING HANDHOLE, SPECIAL EACH 1 1 1 1 REV MS  Z0004562 COMBINATION CONCRETE CURB AND GUTTER FOOT 14300 14300 14300	X6030310	FRAMES AND LIDS	TO BE ADJUSTED (SPECIAL)	EACH	373	373													
X8950205 REBUILD EXISTING HANDHOLE, SPECIAL EACH 1 1 1 1 REV MS  Z0004562 COMBINATION CONCRETE CURB AND GUTTER FOOT 14300 14300 14300																			
X8950205 REBUILD EXISTING HANDHOLE, SPECIAL EACH 1 1 1 1 REV MS  Z0004562 COMBINATION CONCRETE CURB AND GUTTER FOOT 14300 14300 14300																			
REV MS  Z0004562 COMBINATION CONCRETE CURB AND GUTTER FOOT 14300 14300  REMOVAL AND REPLACEMENT  Z018500 DRAINAGE STRUCTURES TO BE CLEANED  EACH 775 775  FILE NAME : MOSTONIA MARKE STRUCTURES TO BE CLEANED  FILE NAME : MOSTONIA MARKE STRUCTU	X7030005	TEMPORARY PAVE	MENT MARKING REMOVAL	SQ FT	57502	57502							<u> </u>						
REV MS  Z0004562 COMBINATION CONCRETE CURB AND GUTTER FOOT 14300 14300  REMOVAL AND REPLACEMENT  Z018500 DRAINAGE STRUCTURES TO BE CLEANED  EACH 775 775  FILE NAME : MOSTONIA MARKE STRUCTURES TO BE CLEANED  FILE NAME : MOSTONIA MARKE STRUCTU																			
Z004562 COMBINATION CONCRETE CURB AND GUTTER FOOT 14300 1430	* x8950205	REBUILD EXISTING	HANDHOLE, SPECIAL	EACH	1	1													
Z004562 COMBINATION CONCRETE CURB AND GUTTER FOOT 14300 1430																		REV.	- MS
FILE NAME : PRINCE NORMAL STRUCTURES TO BE CLEANED	Z0004562	COMBINATION COI	NCRETE CURB AND GUTTER	FOOT	14300	14300													
FILE NAME : PRINCE NORMAL STRUCTURES TO BE CLEANED		REMOVAL AND RF	PLACEMENT																
# SPECIALTY ITEM  FILE NAME = User NAME = Velicition		l l															Ø 0043	)	<u> </u>
Z0018500 DRAINAGE STRUCTURES TO BE CLEANED EACH 775 775  FILE NAME : USER NAME = Velicition W DESIGNED - REVISED - STATE OF ILLINOIS Put/Volant/condid/Jillinois/gov/PHI/OUT/Documents/VOIT OF QUANTITIES  TOUHY AVE. FROM IL—72 (HIGGINS RD) TO US—14 (CALDWELL AVE) AVE. FROM IL—72 (HIGGINS RD) TO US—14 (CALDWELL AVE) SUMMARY OF QUANTITIES  TOUHY AVE. FROM IL—72 (HIGGINS RD) TO US—14 (CALDWELL AVE) SUMMARY OF QUANTITIES  TOUHY AVE. FROM IL—72 (HIGGINS RD) TO US—14 (CALDWELL AVE) SUMMARY OF QUANTITIES  CONTRACT NO. 62/JI																			ITEM
PLOT SCALE = 100,000411/ In. CHECKED - REVISED - STATE UP ILLINOIS  PLOT SCALE = 100,000411/ In. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION  SUMMARY OF QUANTITIES  SIATE UP ILLINOIS  SUMMARY OF QUANTITIES  SUMMARY OF QUANTITIES  At 20189-106-RS-SW COOK 89 PLOT SCALE = 100,000411/ In. CHECKED - CONTRACT NO. 62,01	Z0018500	DRAINAGE STRUCT	TURES TO BE CLEANED	EACH	775		775										2. 2.		<b>_</b>
PLOT SCALE = 100,004"/ In. CHECKED - REVISED - DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES - CONTRACT NO. 62,15						_ !	-	ST	TATE OF I	LLINOIS				DWELL AVI				COUNTY SH	OTAL SHEE HEETS NO.
PLOT DATE = 1/31/2020 DATE - REVISED - SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT		ŀ	PLOT SCALE = 100,004/ 1 In.	CHECKED -		REVISED	-										(	CONTRACT N	

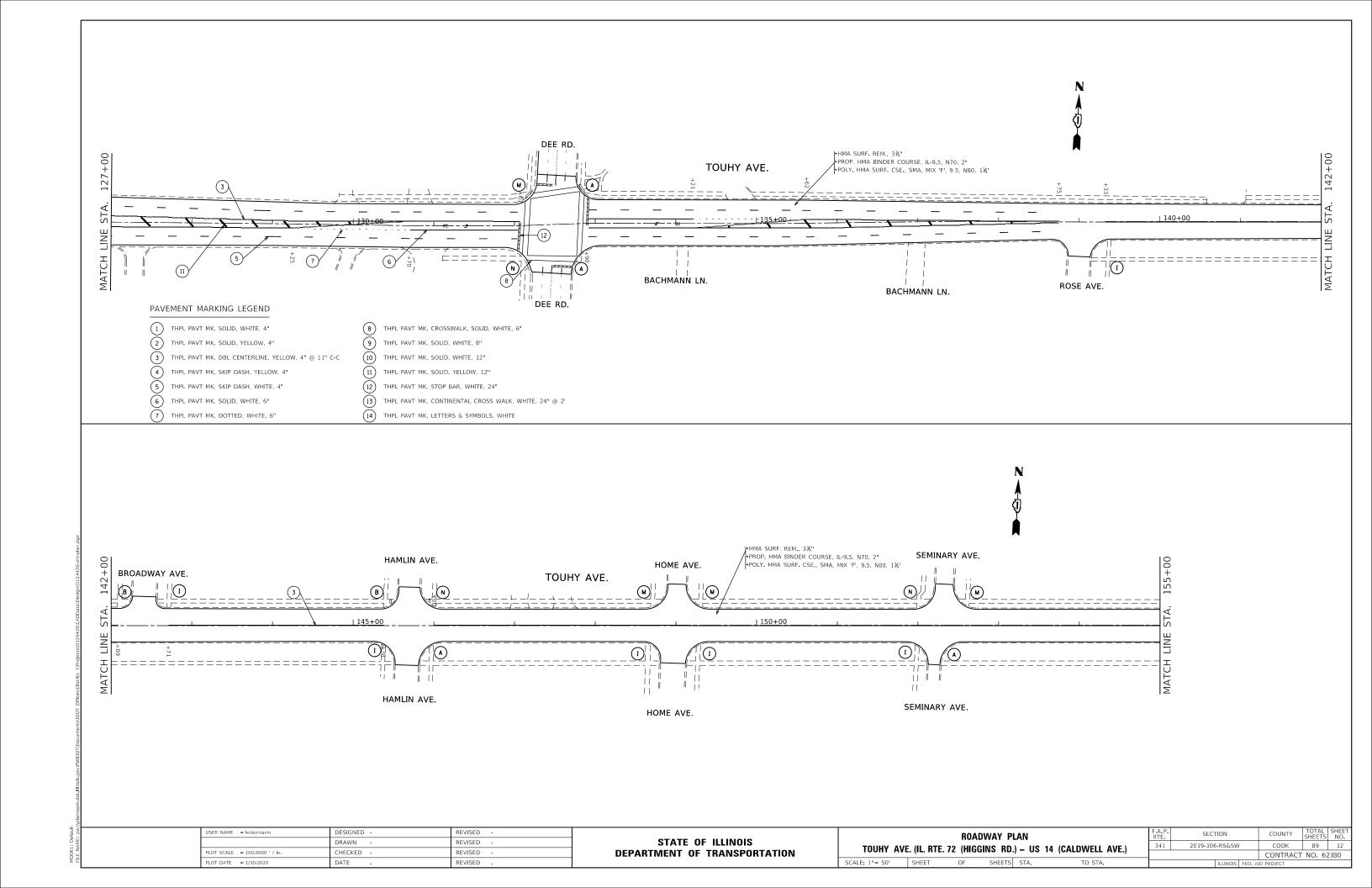


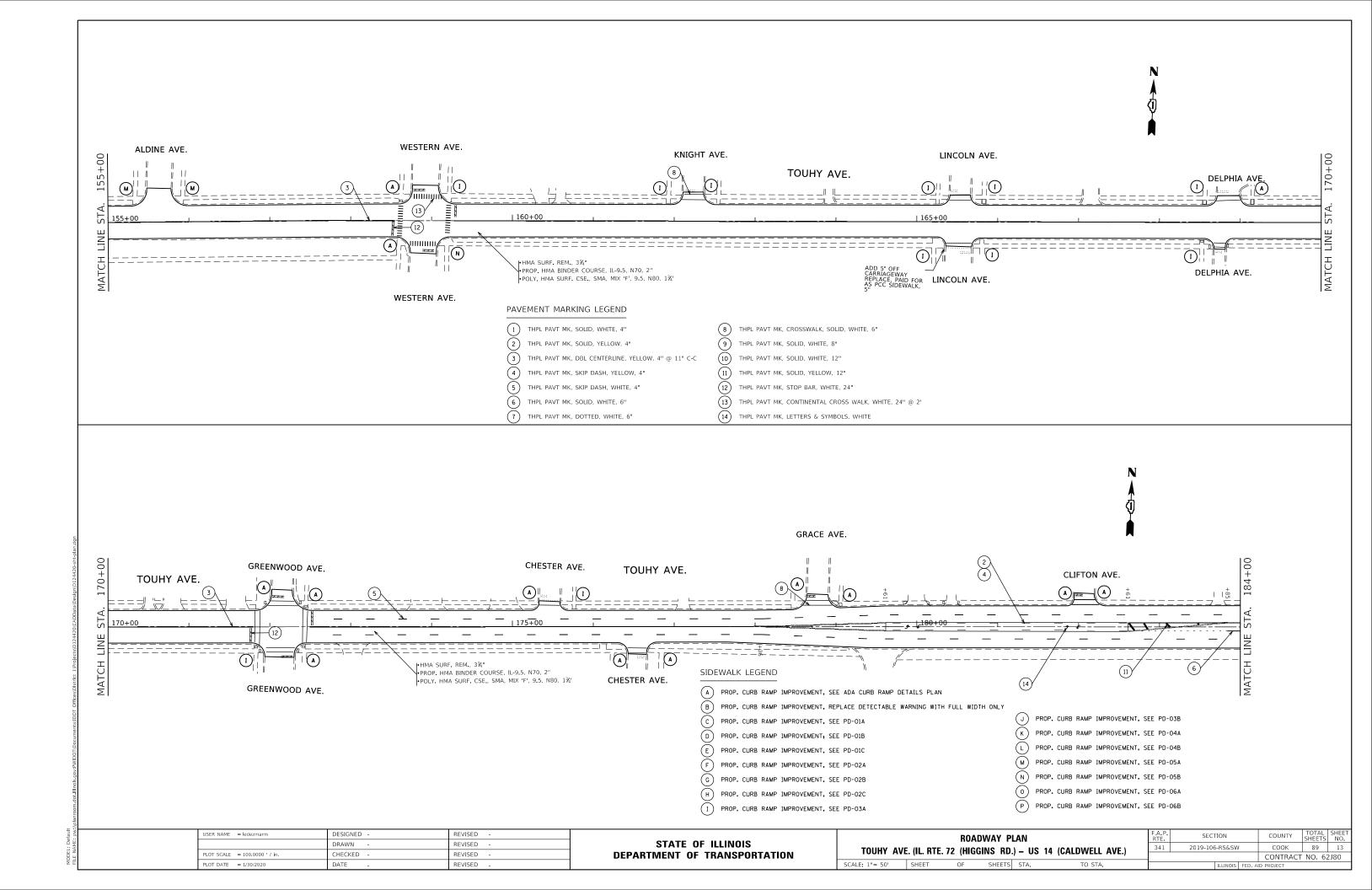


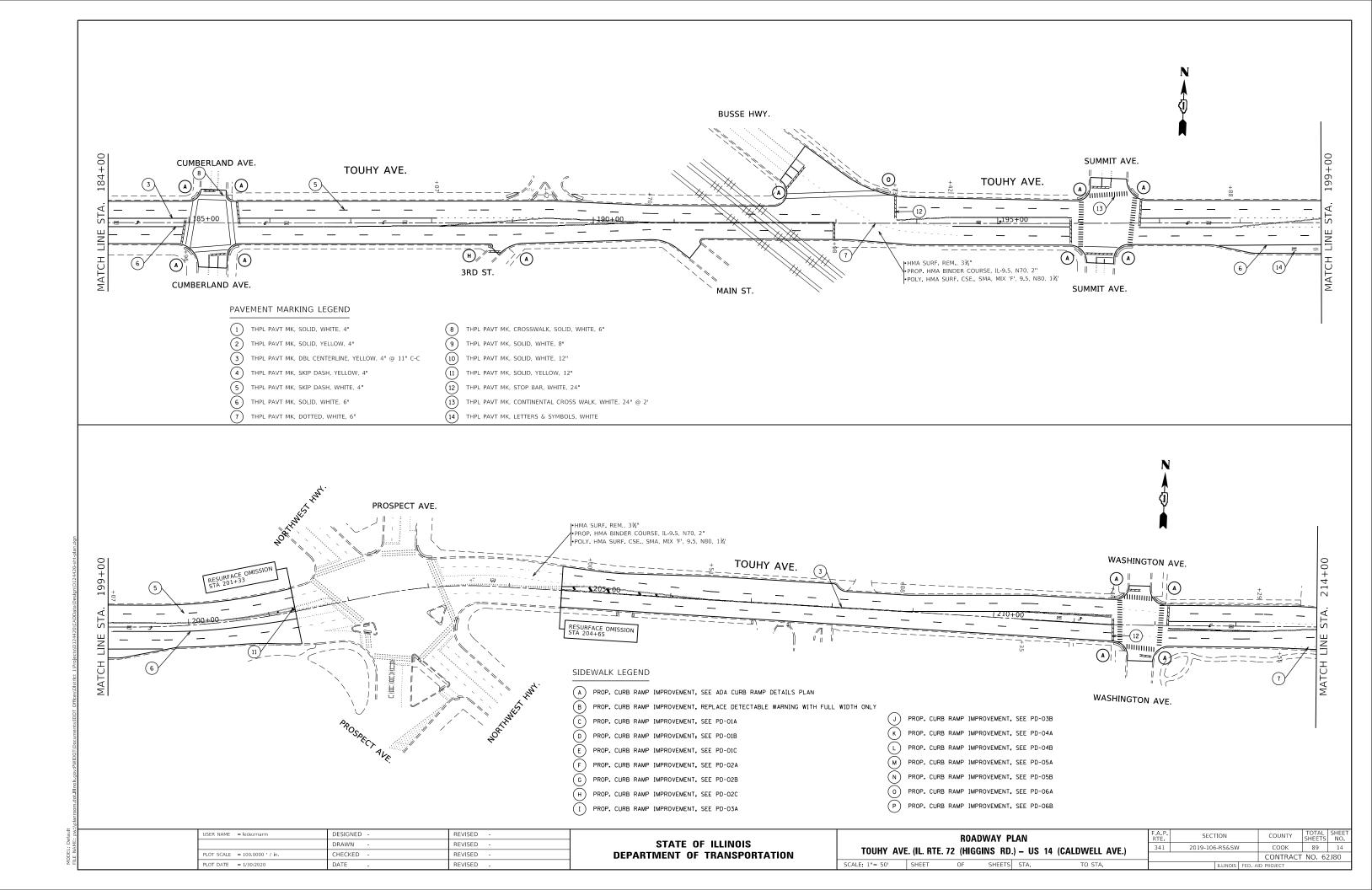


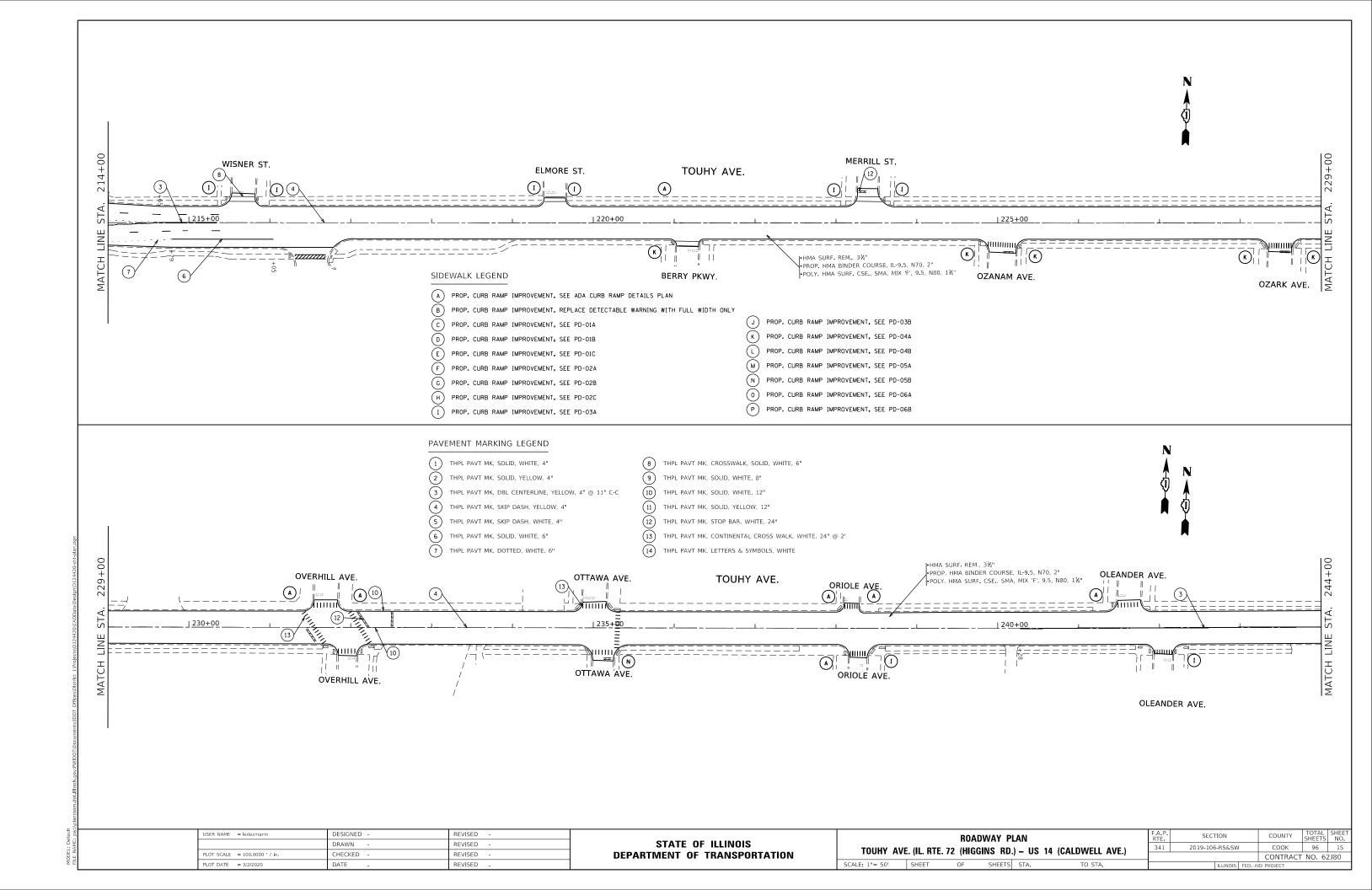


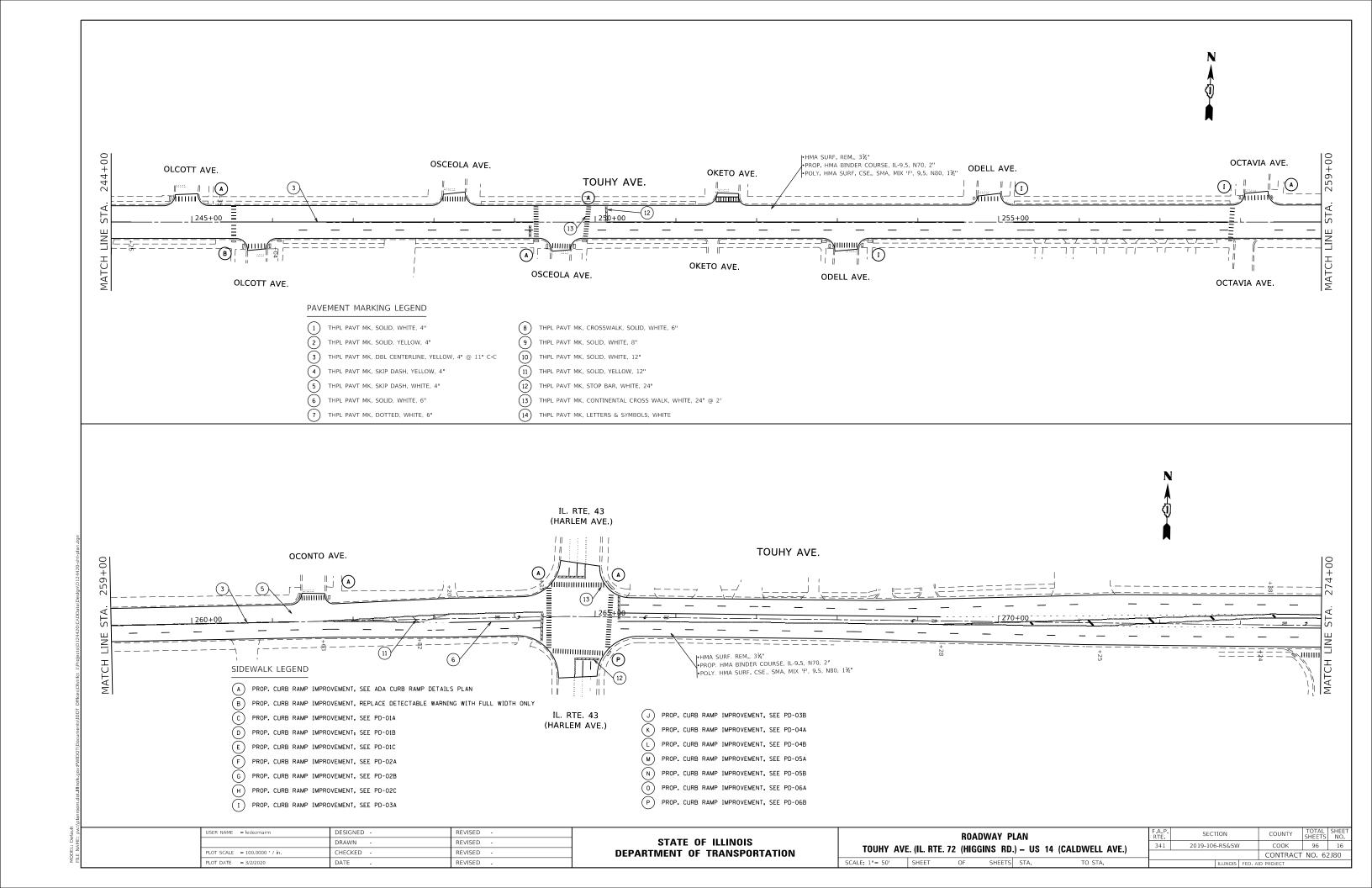


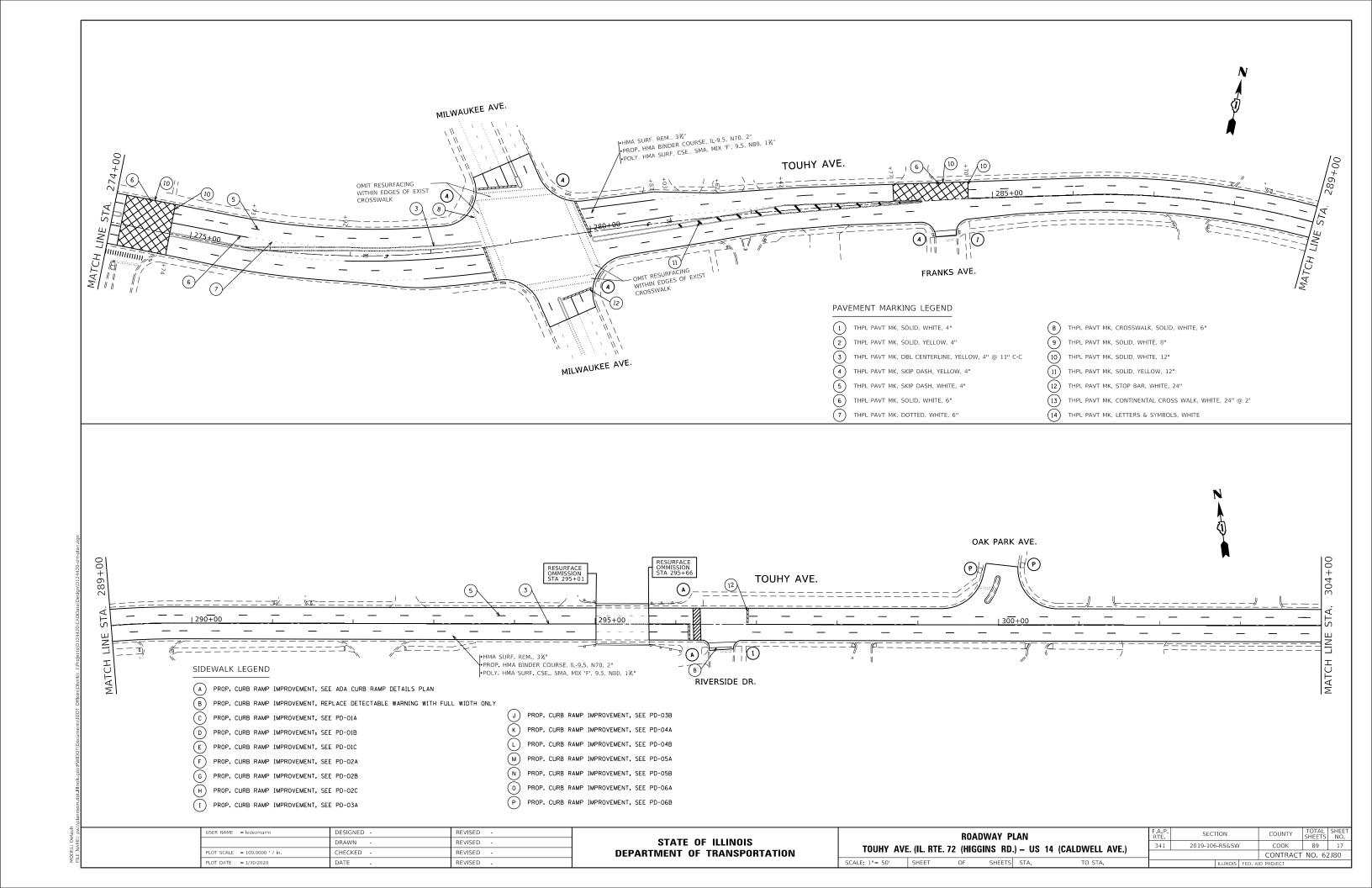


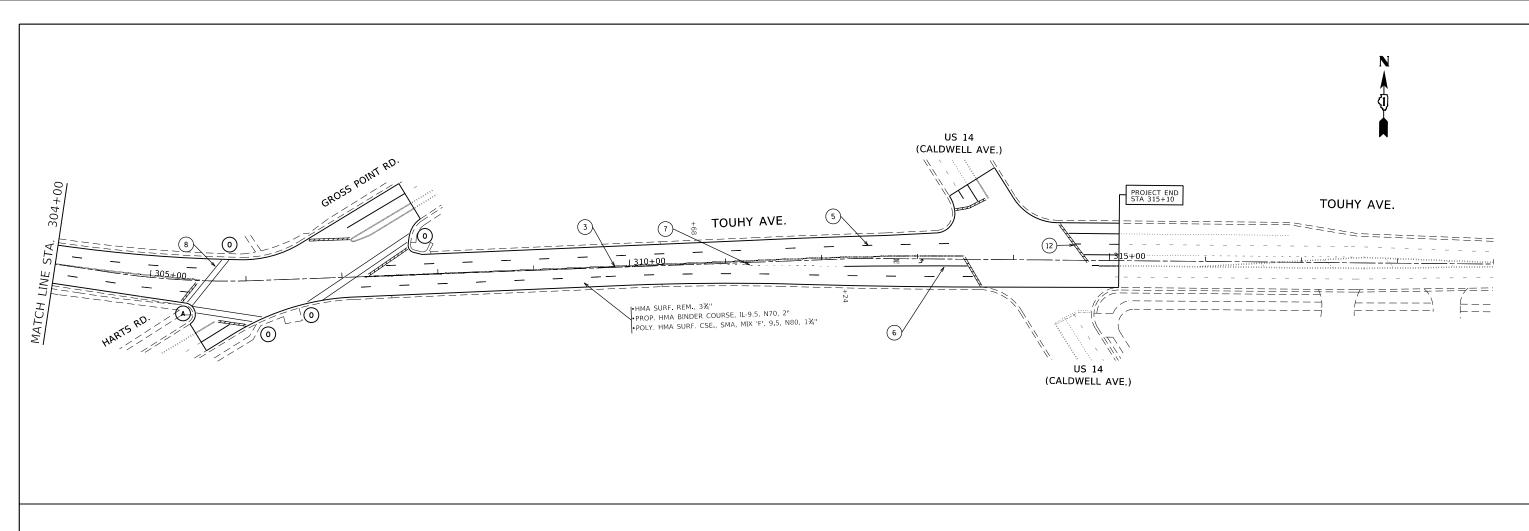












SIDEMAI	K	LECENID

(A) PROP. CURB RAMP IMPROVEMENT, SEE ADA CURB RAMP DETAILS PLAN

(B) PROP. CURB RAMP IMPROVEMENT, REPLACE DETECTABLE WARNING WITH FULL WIDTH ONLY

C PROP. CURB RAMP IMPROVEMENT, SEE PD-01A

D PROP. CURB RAMP IMPROVEMENT; SEE PD-01B

E PROP. CURB RAMP IMPROVEMENT, SEE PD-01C

F PROP. CURB RAMP IMPROVEMENT, SEE PD-02A

G PROP. CURB RAMP IMPROVEMENT, SEE PD-02B

H) PROP. CURB RAMP IMPROVEMENT, SEE PD-02C

I) PROP. CURB RAMP IMPROVEMENT, SEE PD-03A

J PROP. CURB RAMP IMPROVEMENT, SEE PD-03B

(K) PROP. CURB RAMP IMPROVEMENT, SEE PD-04A

PROP. CURB RAMP IMPROVEMENT, SEE PD-04B

M PROP. CURB RAMP IMPROVEMENT, SEE PD-05A

N PROP. CURB RAMP IMPROVEMENT, SEE PD-05B

O PROP. CURB RAMP IMPROVEMENT, SEE PD-06A

P PROP. CURB RAMP IMPROVEMENT, SEE PD-06B

## PAVEMENT MARKING LEGEND

THPL PAVT MK, SOLID, WHITE, 4"

(2) THPL PAVT MK, SOLID, YELLOW, 4"

THPL PAVT MK, DBL CENTERLINE, YELLOW, 4" @ 11" C-C

(4) THPL PAVT MK, SKIP DASH, YELLOW, 4"

5) THPL PAVT MK, SKIP DASH, WHITE, 4"

6 THPL PAVT MK, SOLID, WHITE, 6"

(7) THPL PAVT MK, DOTTED, WHITE, 6"

THPL PAVT MK, CROSSWALK, SOLID, WHITE, 6"

THPL PAVT MK, SOLID, WHITE, 8"

(10) THPL PAVT MK, SOLID, WHITE, 12"

11) THPL PAVT MK, SOLID, YELLOW, 12"

(12) THPL PAVT MK, STOP BAR, WHITE, 24"

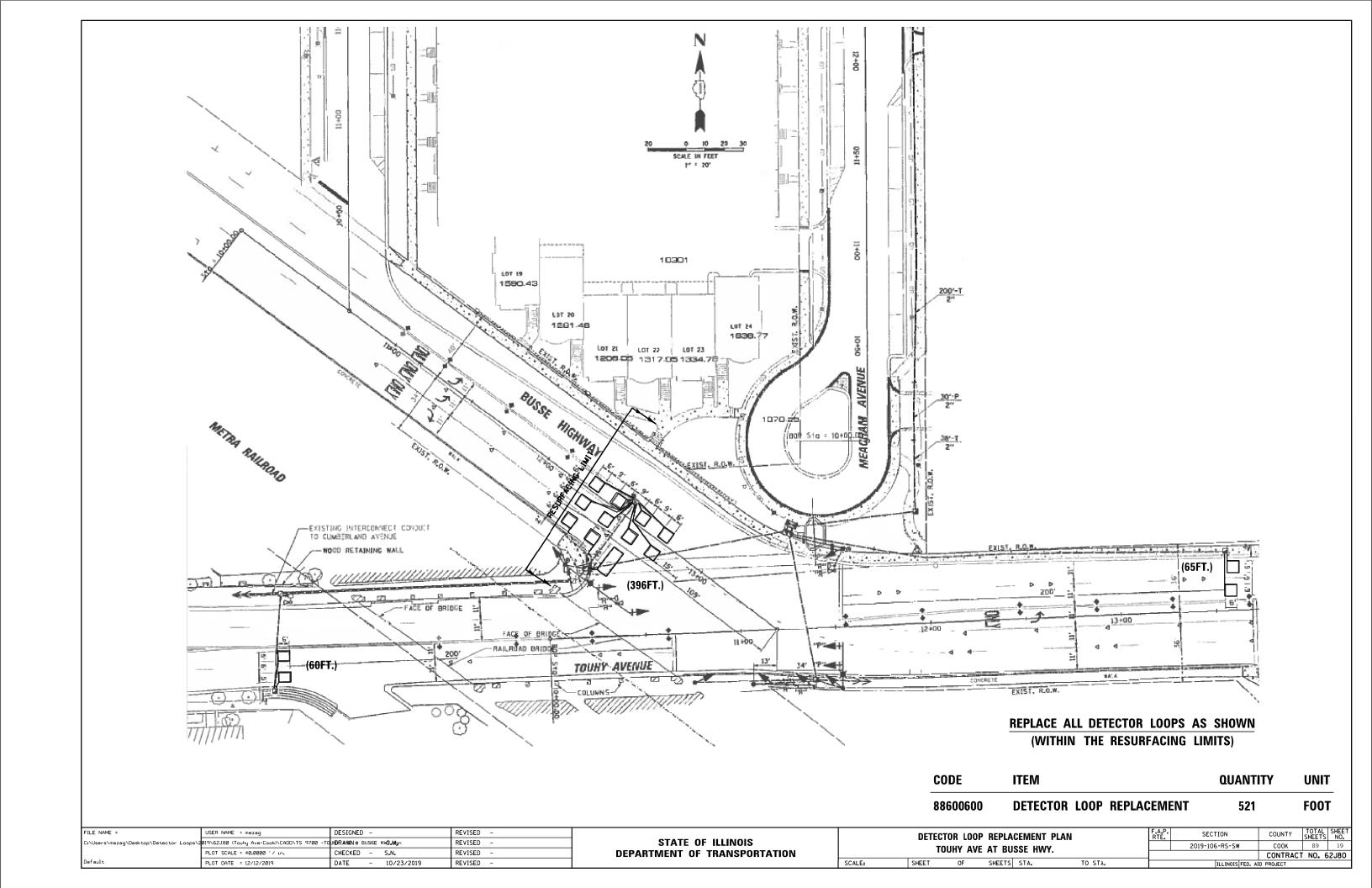
(13) THPL PAVT MK, CONTINENTAL CROSS WALK, WHITE, 24" @ 2'

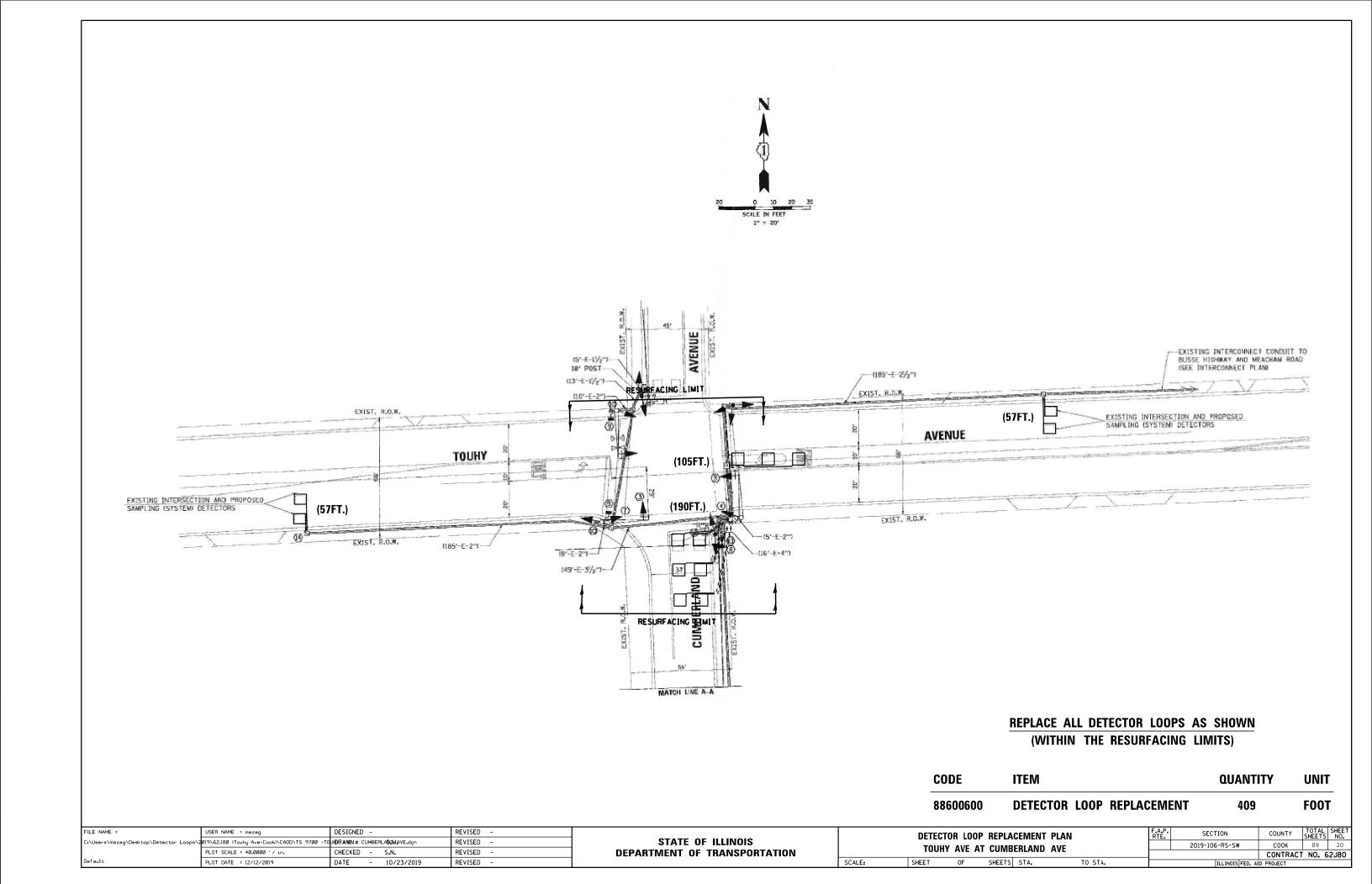
14) THPL PAVT MK, LETTERS & SYMBOLS, WHITE

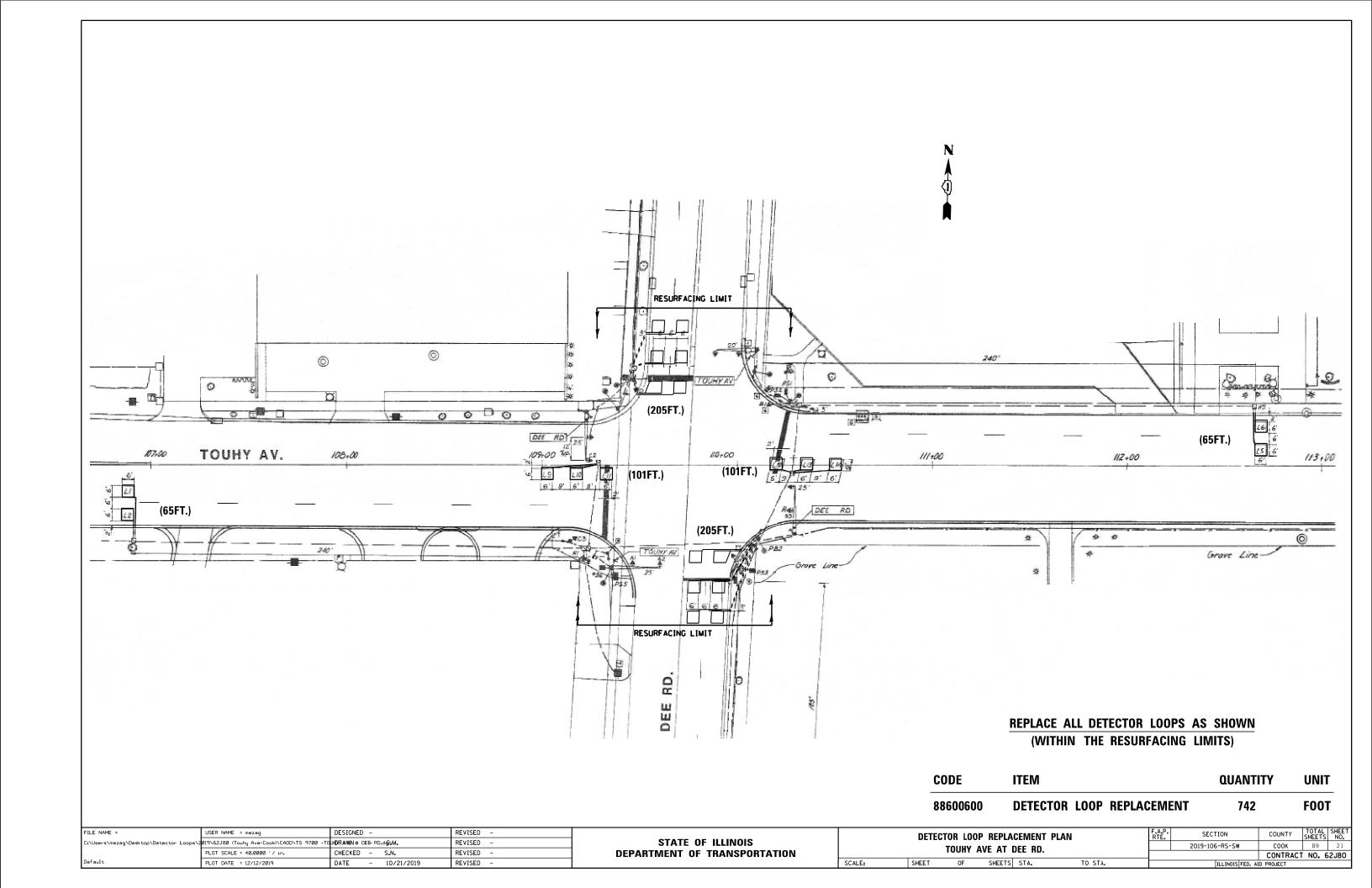
USER NAME = ledezmarm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	
PLOT DATE = 1/30/2020	DATE -	REVISED -	

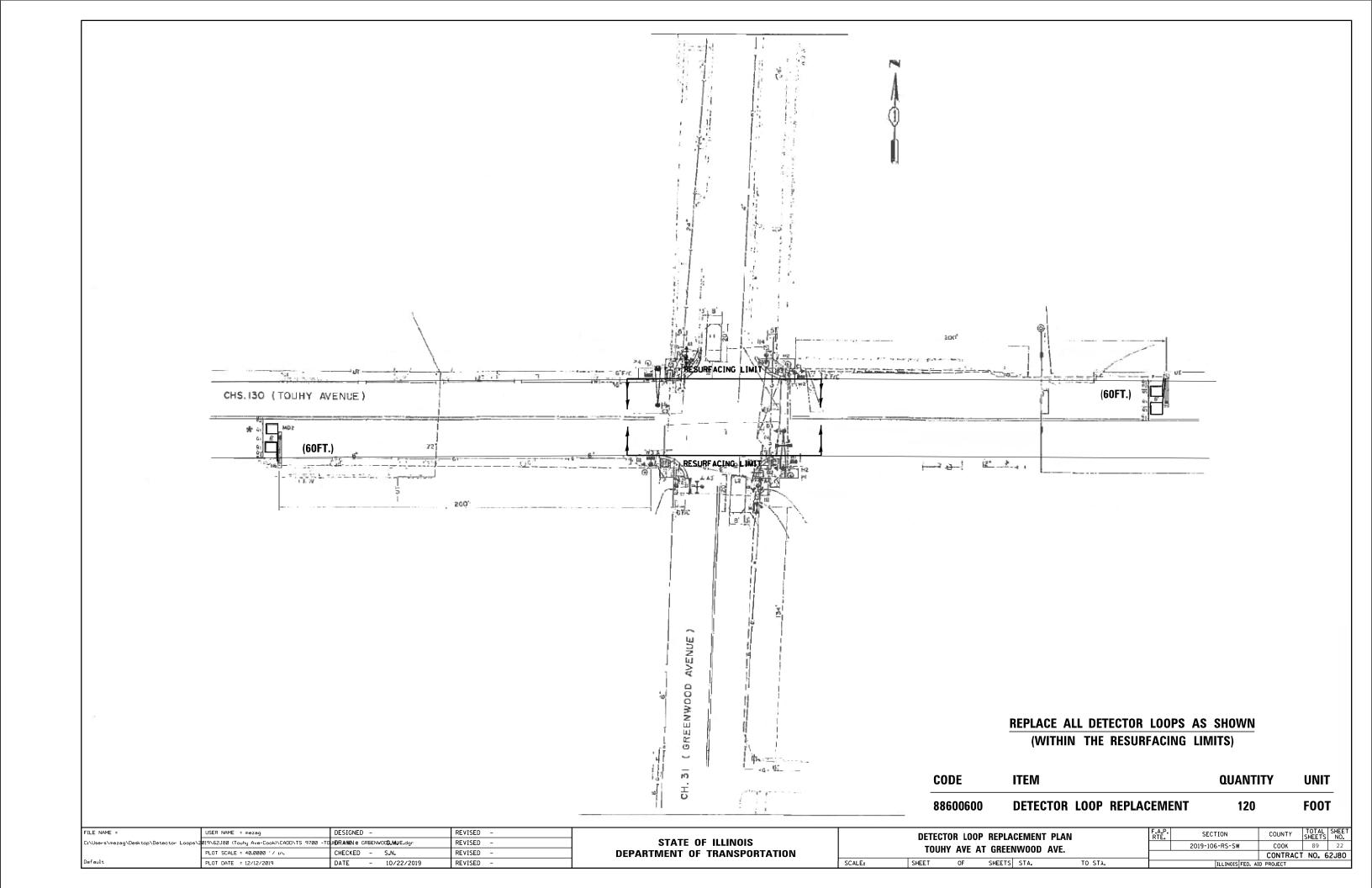
		ROADV	NAY PL	.AN		
TOUHY AVI	E. (IL. RTE. 72	(HIGGI	NS RD.)	– US 1	4 (CALDWELL	AVE.)
SCALE: 1"= 50"	SHEET	OF	SHEETS	STA.	TO STA.	

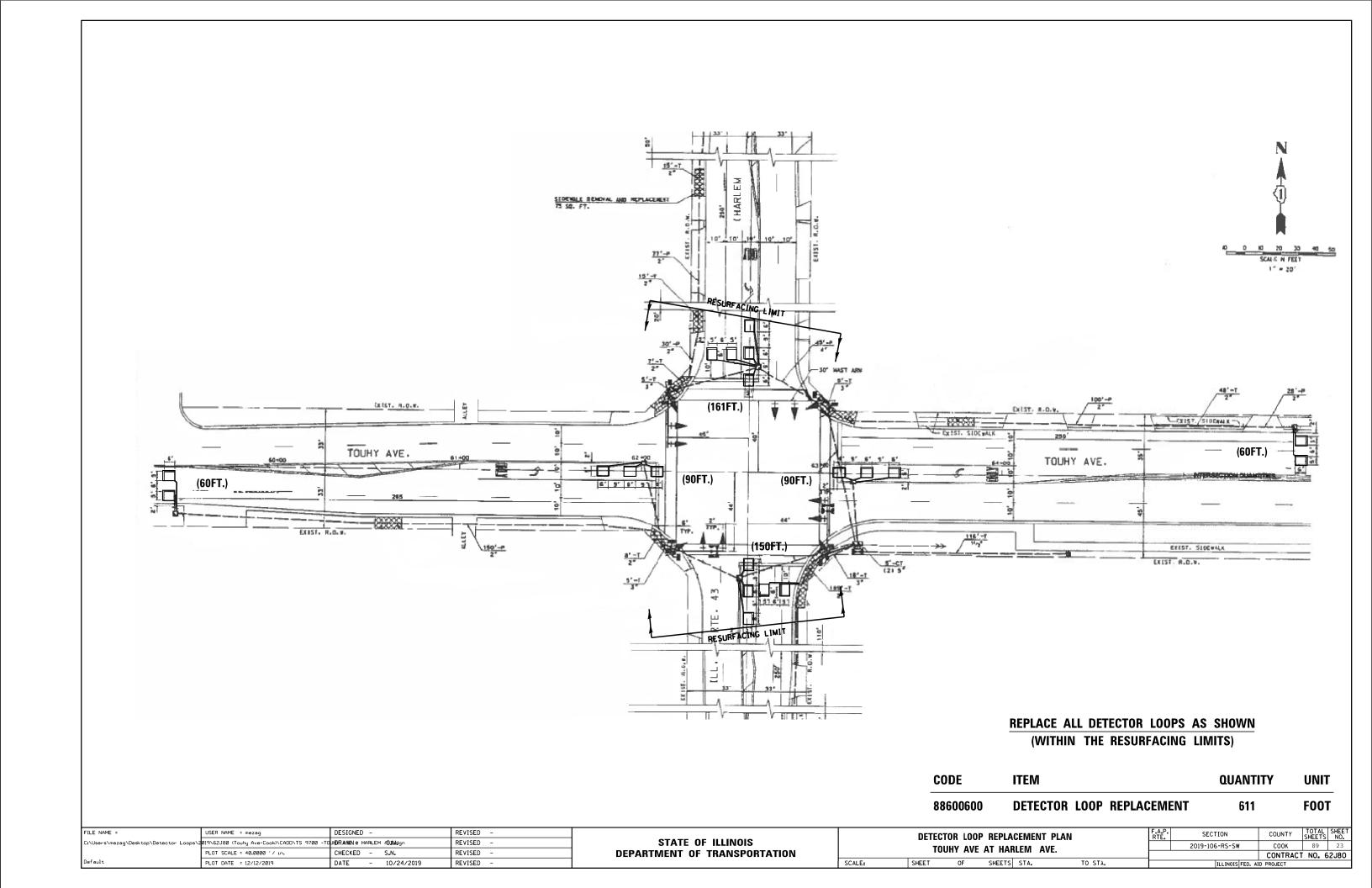
F.A.P. RTE	SECT	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-106	-RS&SW	1	соок	89	18
			CONTRACT	NO. 62	2J80	
		ILLINOIS	FED. A	ID PROJECT		

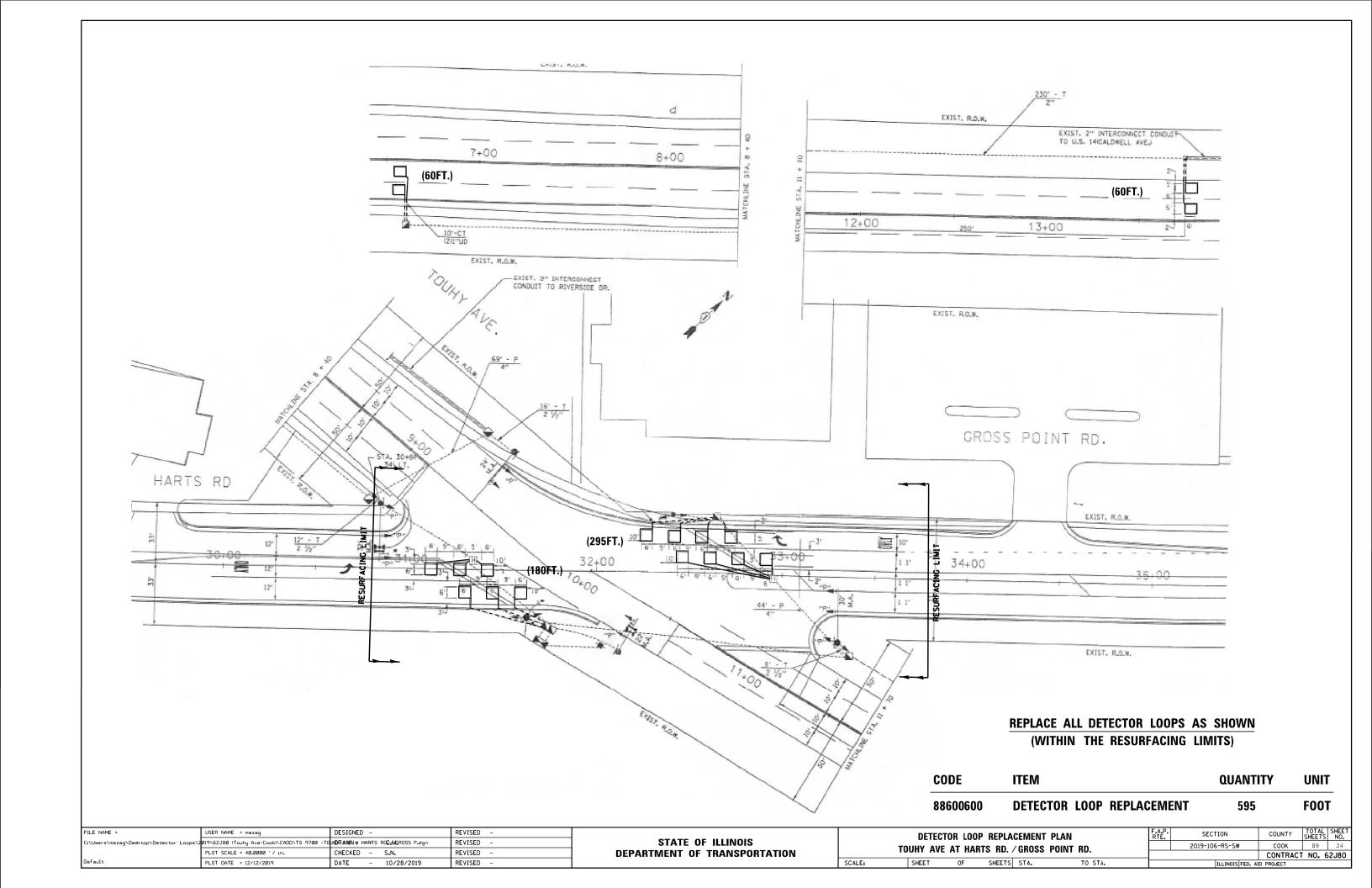


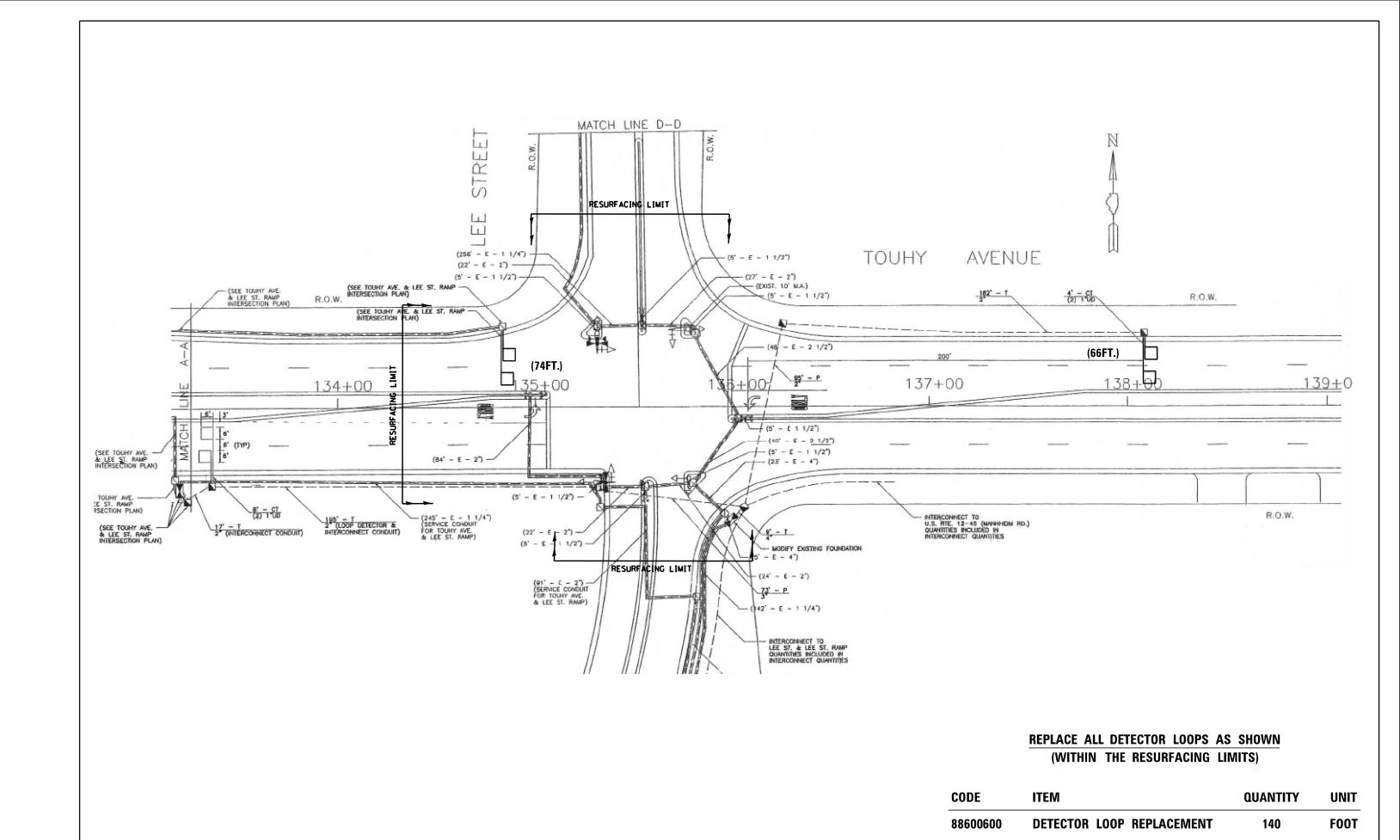












STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

FILE NAME =

DESIGNED -

CHECKED - S.N.

- 10/17/2019

019\62J80 (Touhy Ave-Cook)\CADD\TS 9700 -TOUHDRAWEN © Lee St.donM.

USER NAME = mezag

PLOT SCALE = 40.0000 '/ in.

PLOT DATE = 12/12/2019

REVISED

REVISED

REVISED -

REVISED -

TOTAL SHEET NO. 89 25

CONTRACT NO. 62J80

COUNTY

СООК

SECTION

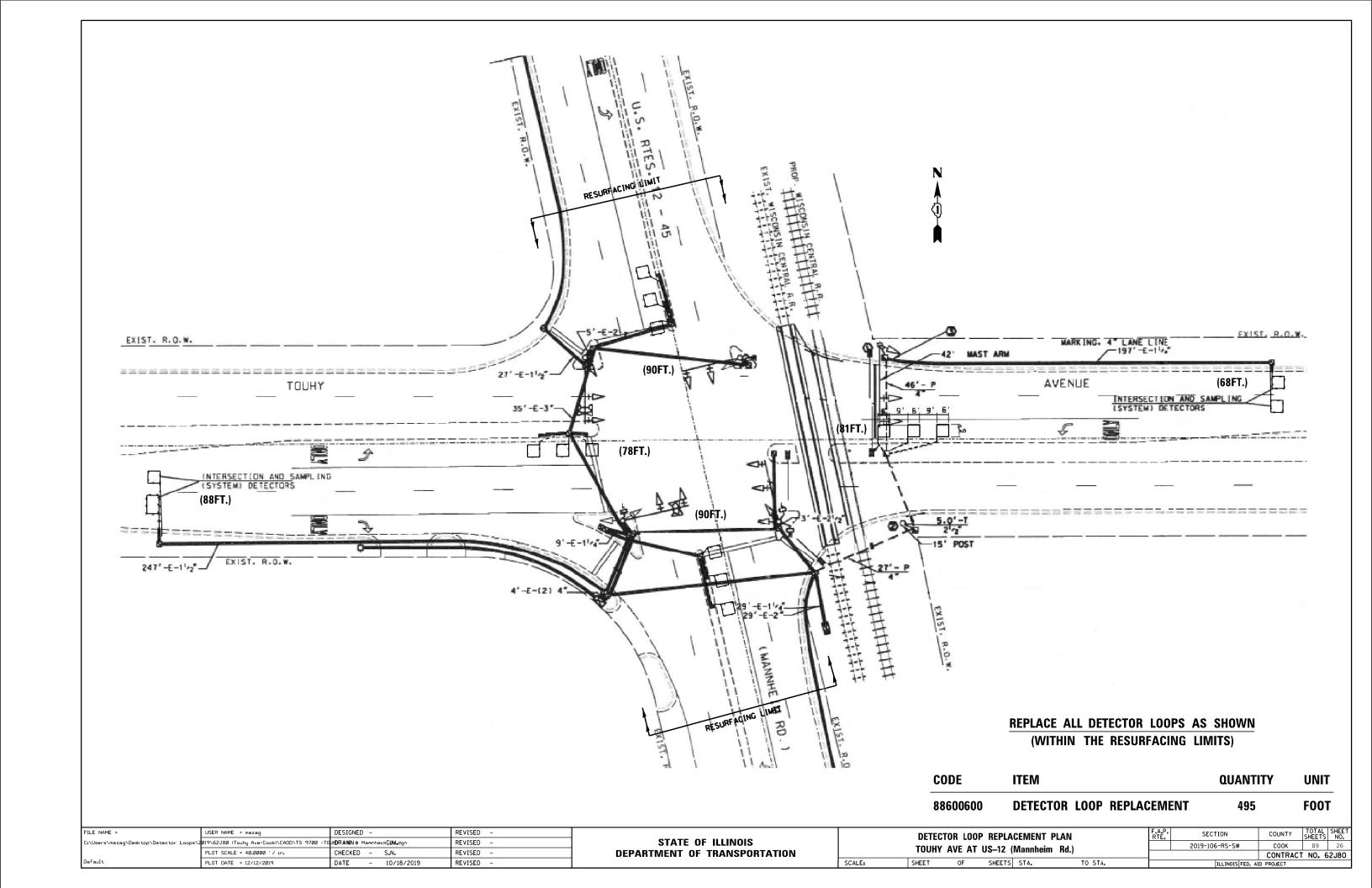
2019-106-RS-SW

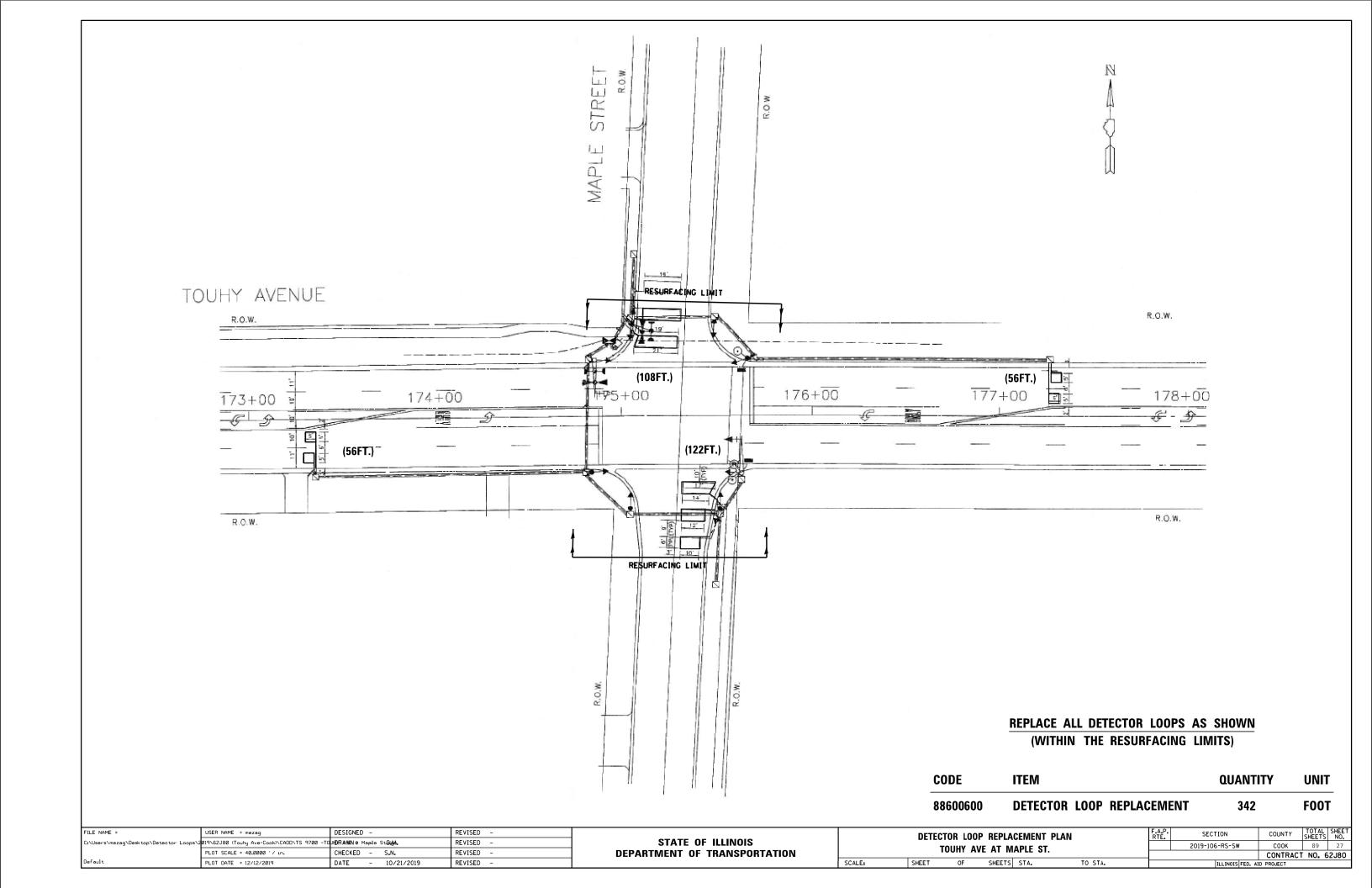
DETECTOR LOOP REPLACEMENT PLAN

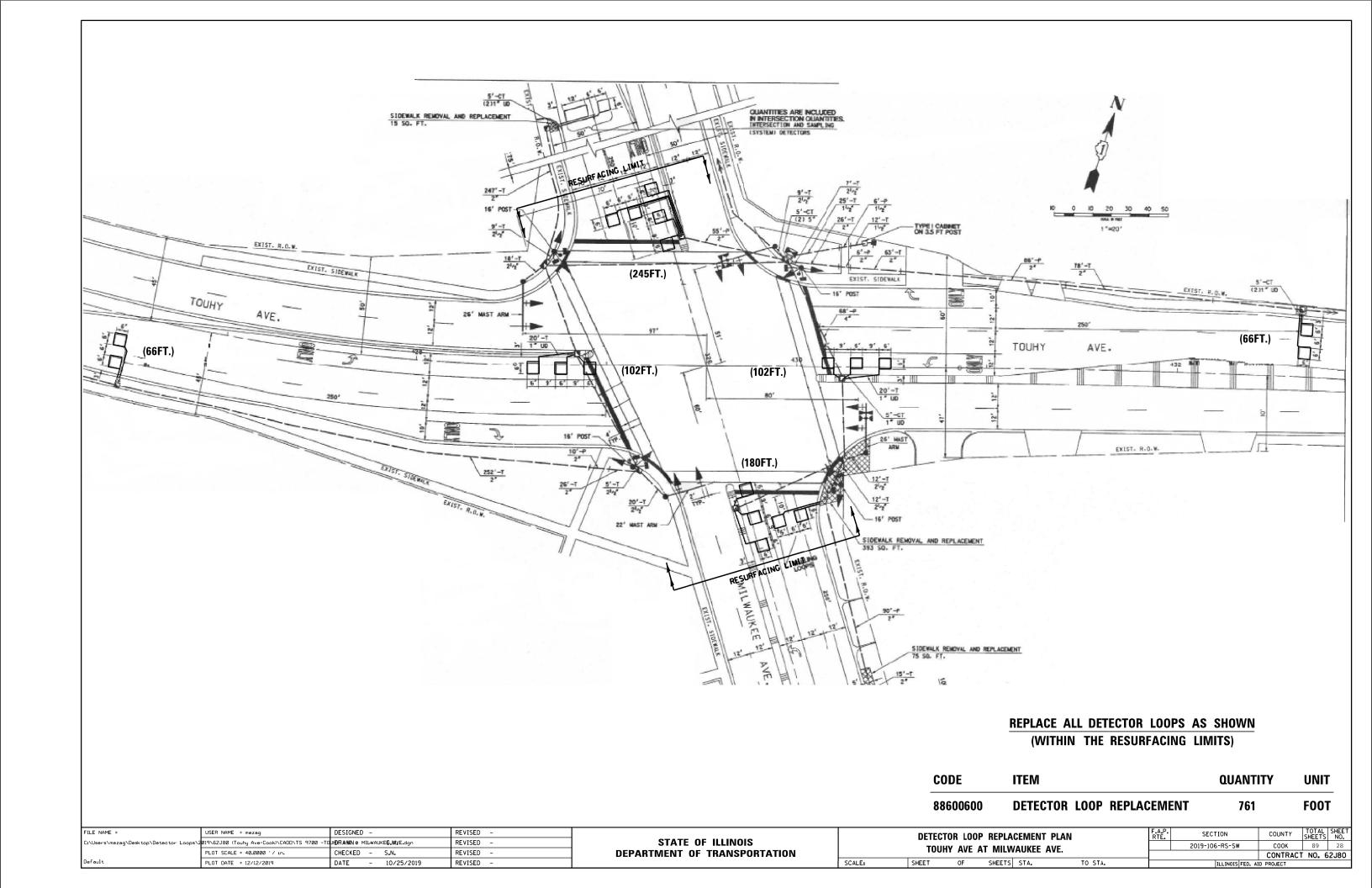
TOUHY AVE AT IL-72 (Lee St.)

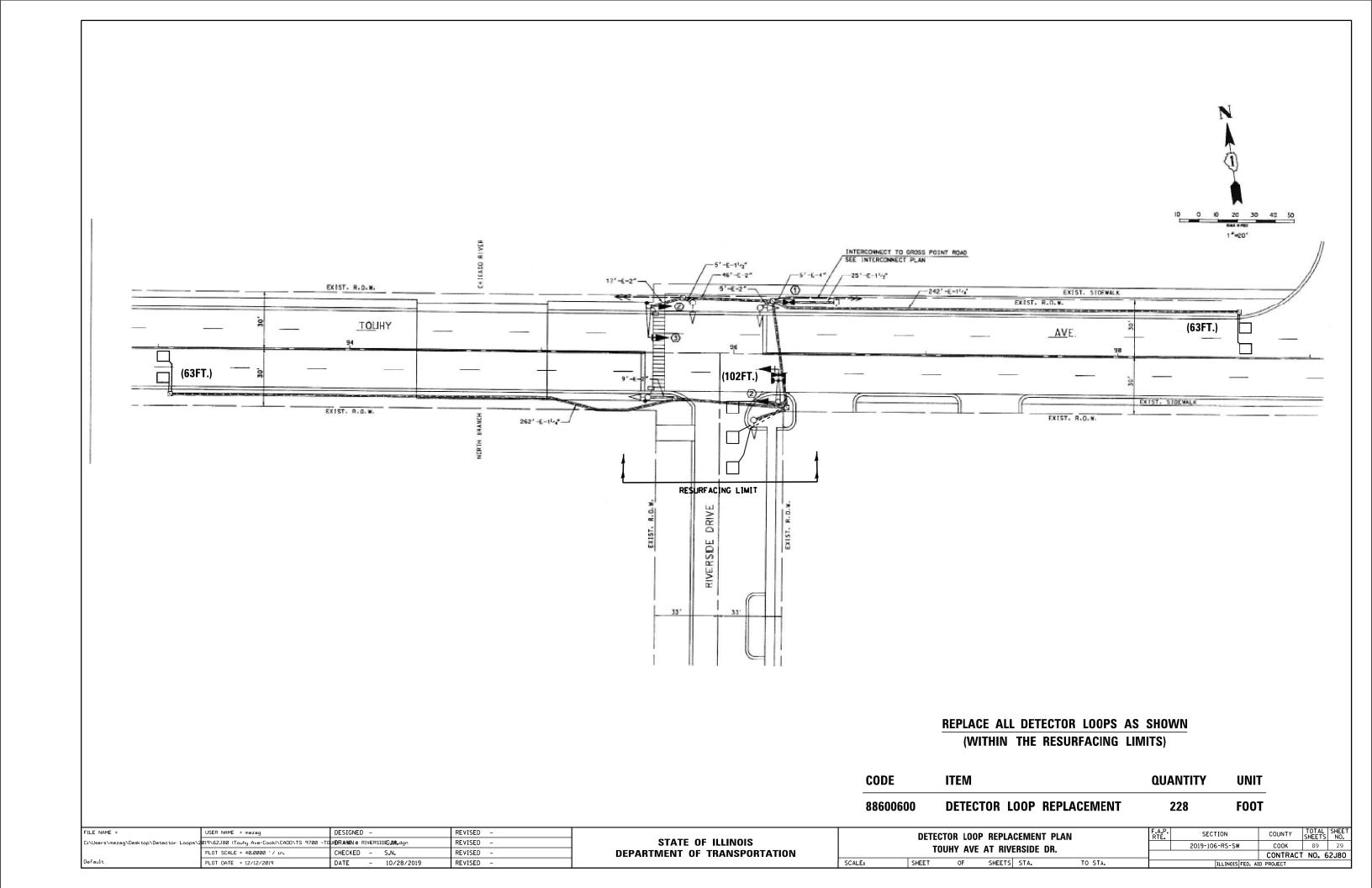
OF SHEETS STA.

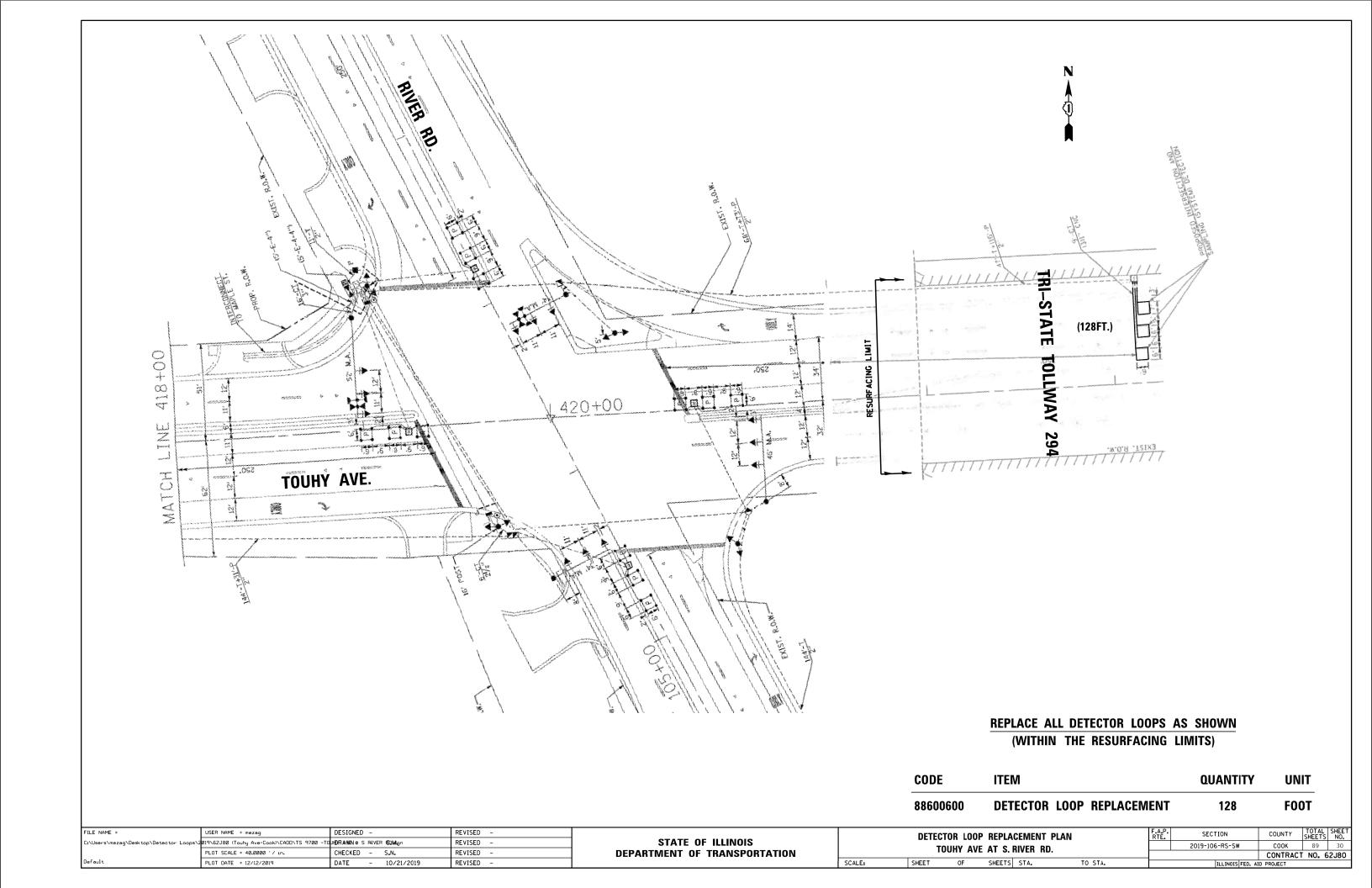
TO STA.

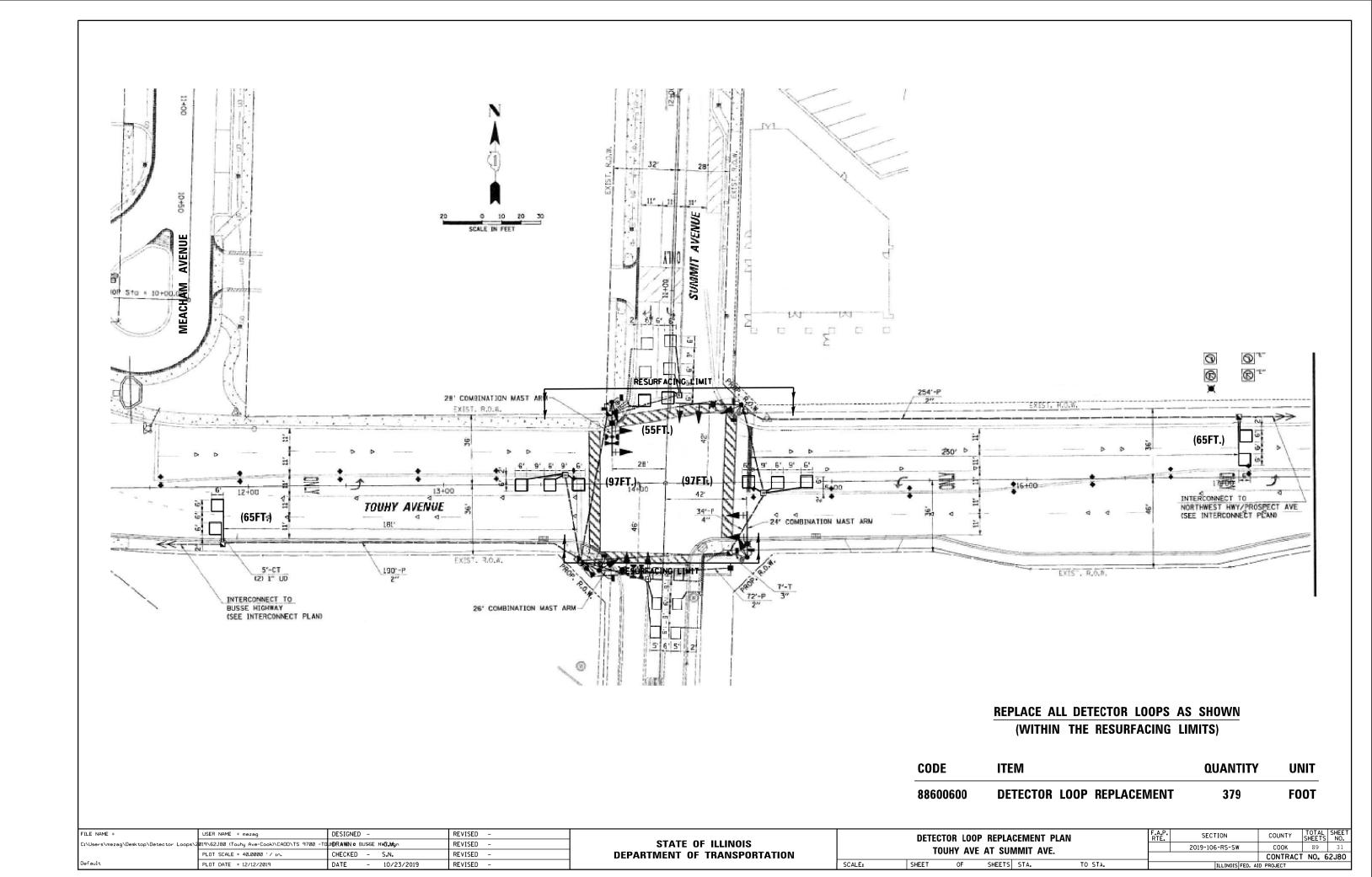


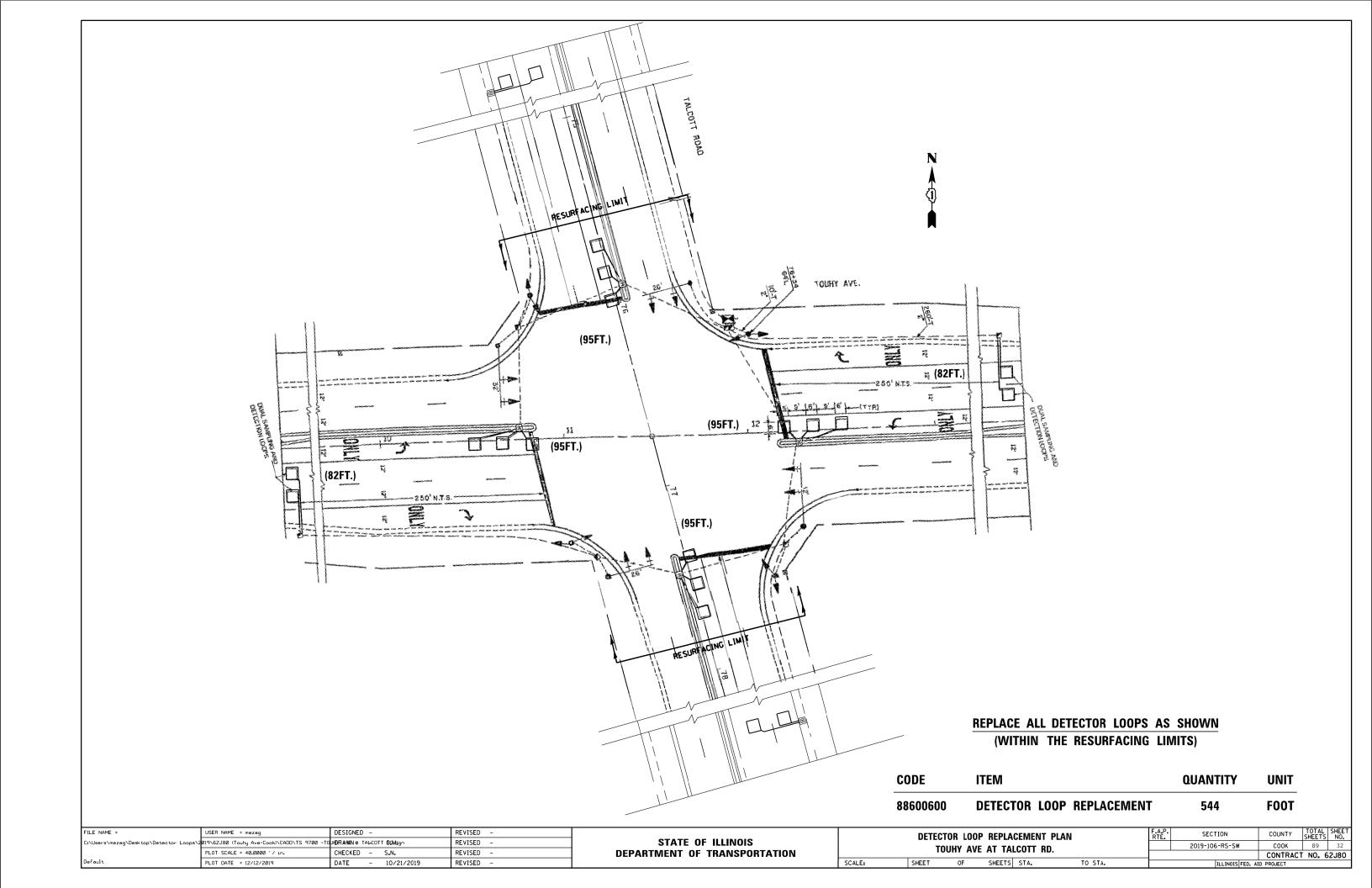


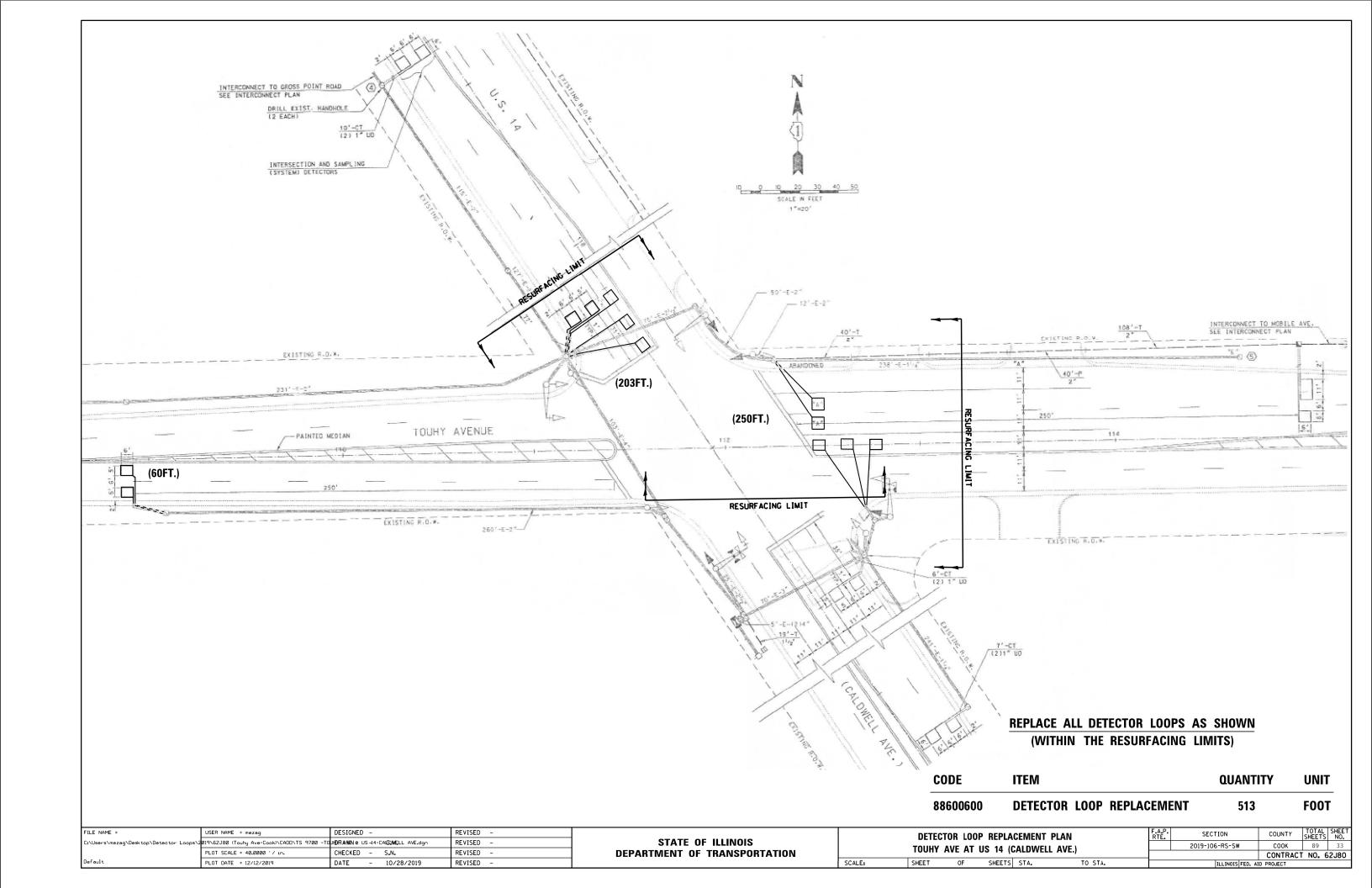


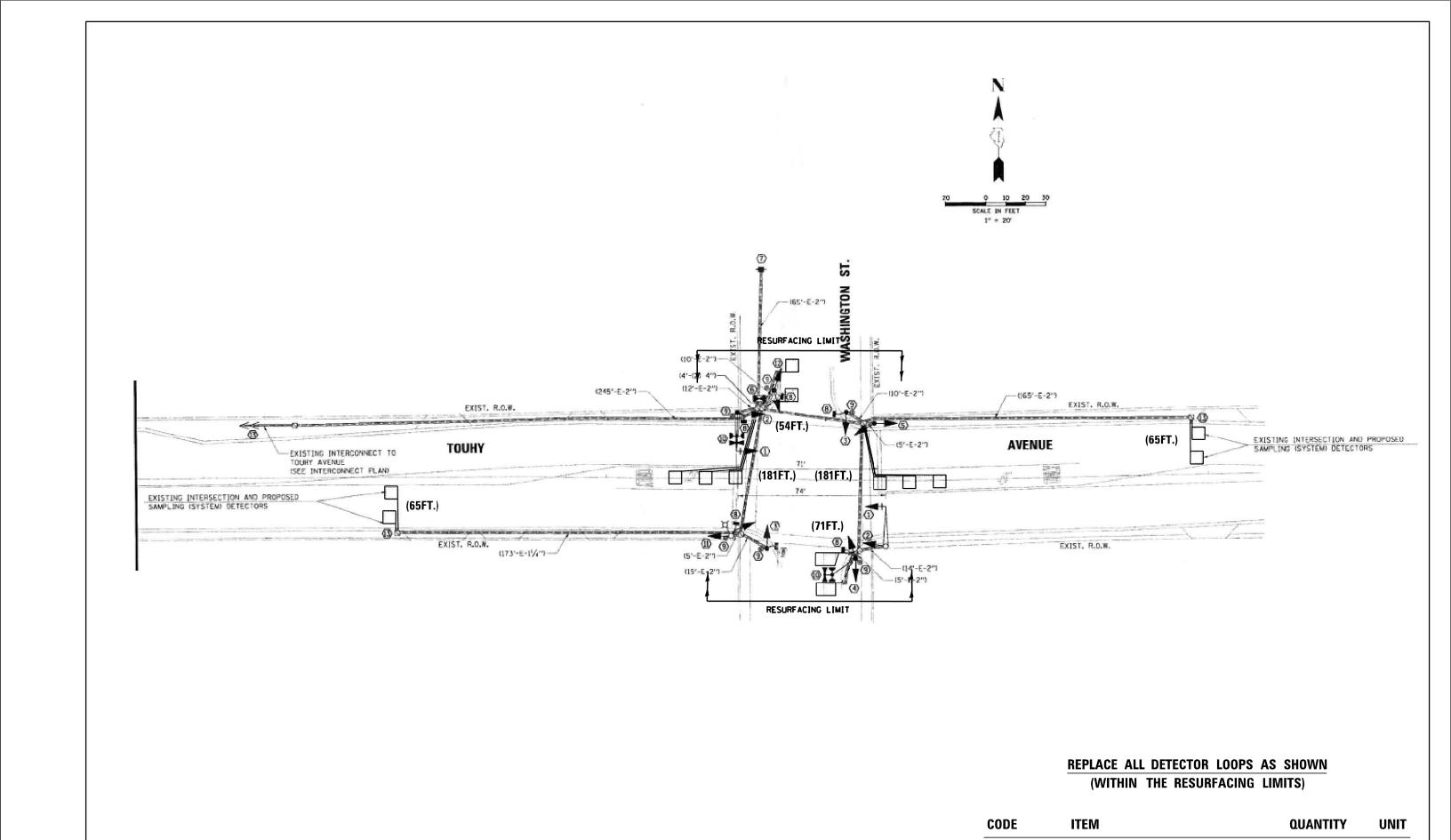












STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

FILE NAME =

DESIGNED -

CHECKED - S.N.

- 10/24/2019

019\62J80 (Touhy Ave-Cook)\CADD\TS 9700 -TOUHDRAWEN® WASHINGTOWNAVE.dgn

PLOT SCALE = 40.0000 '/ in.

PLOT DATE = 12/12/2019

REVISED -

REVISED -

REVISED -

**DETECTOR LOOP REPLACEMENT** 

617

SECTION

2019-106-RS-SW

F00T

COUNTY TOTAL SHEET NO.

COOK 89 34

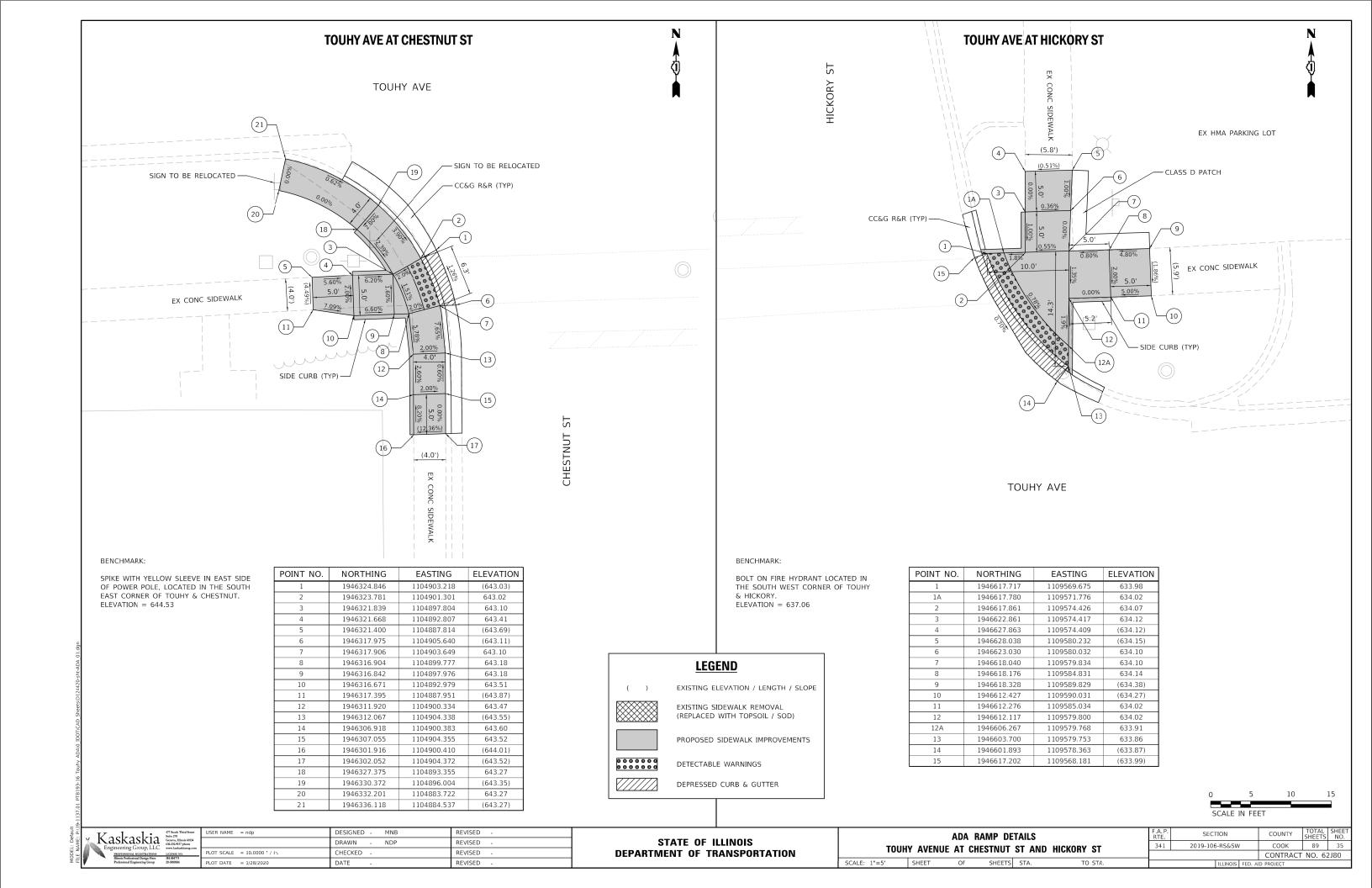
CONTRACT NO. 62J80

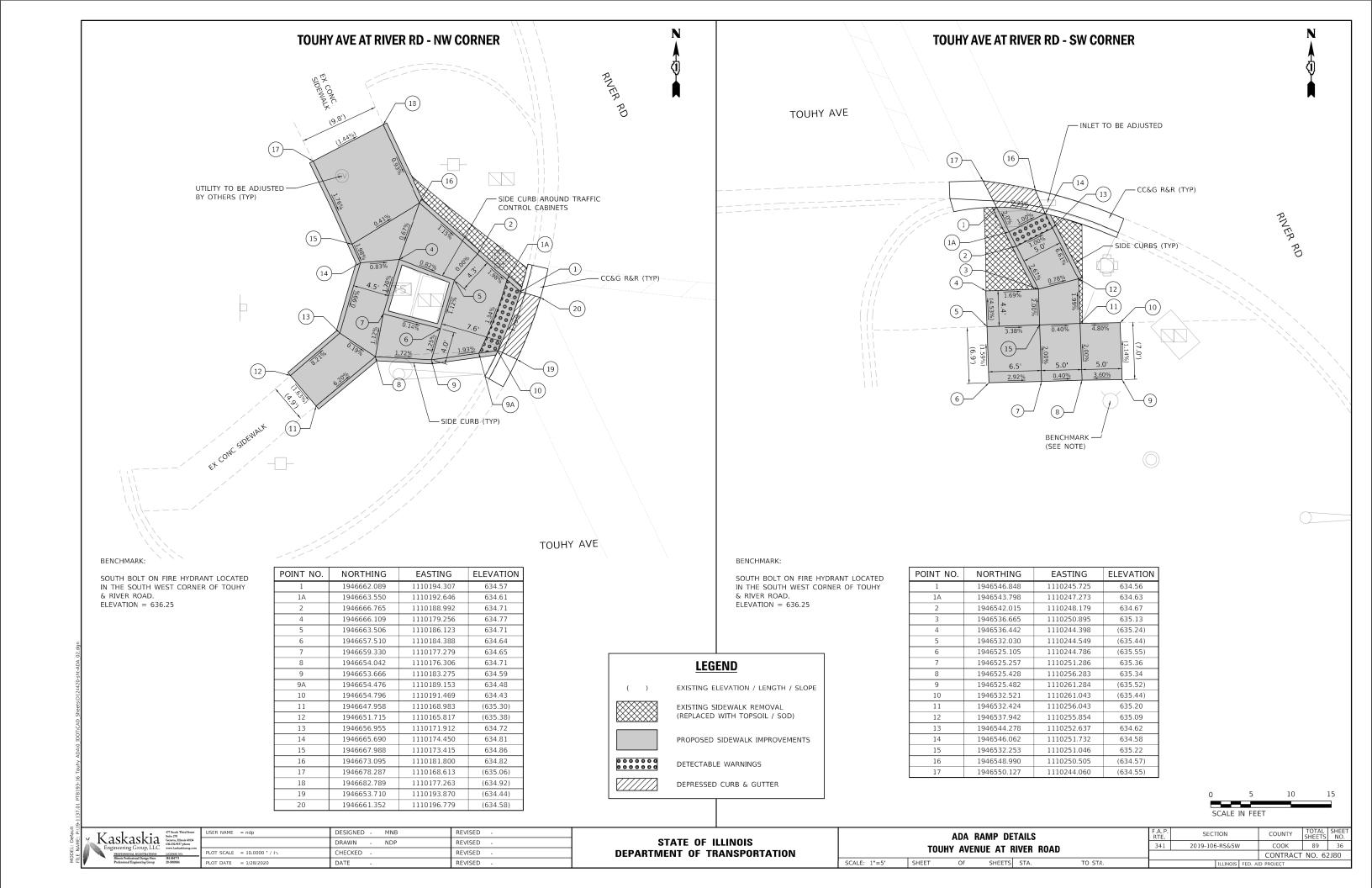
88600600

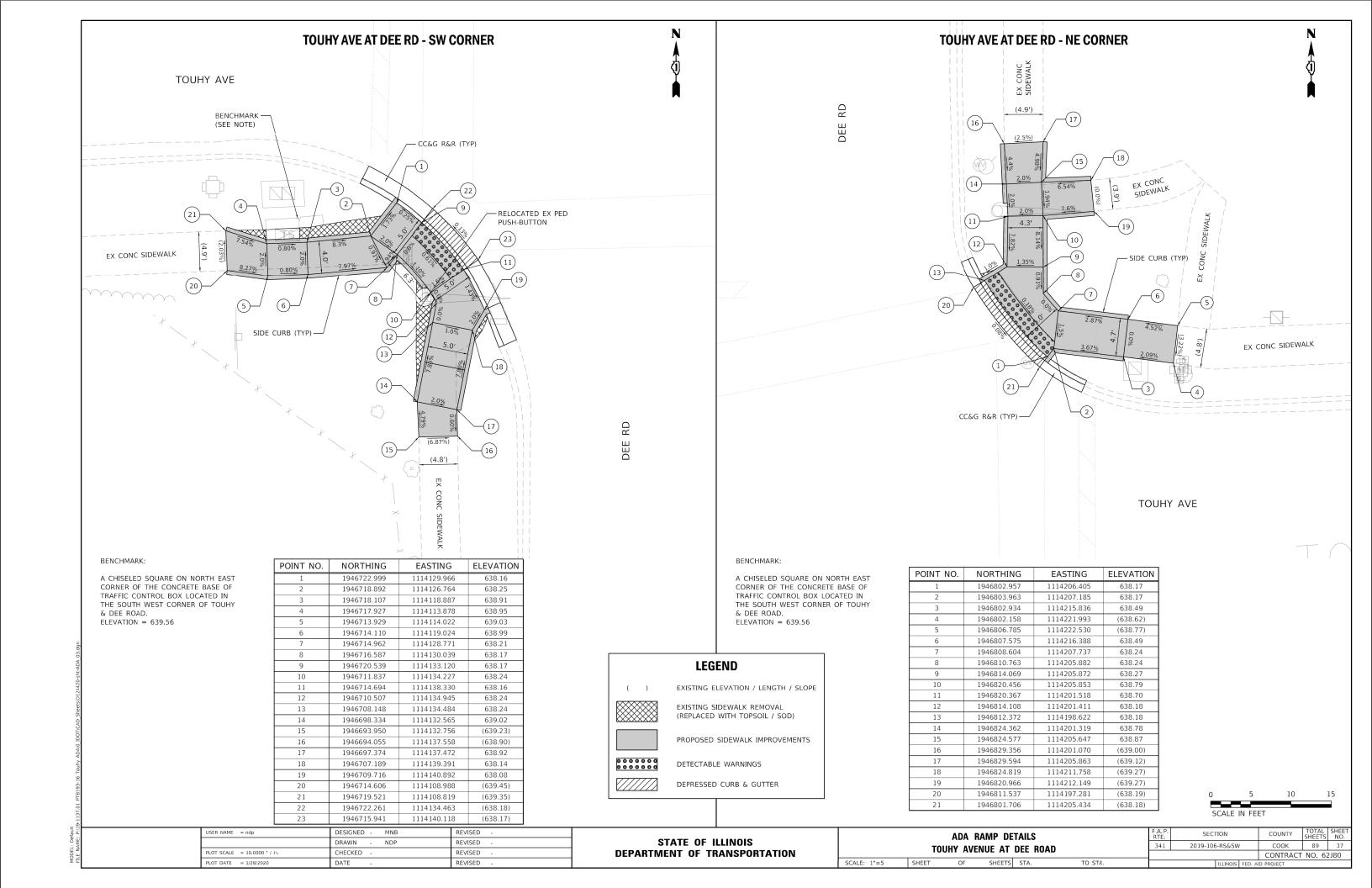
DETECTOR LOOP REPLACEMENT PLAN

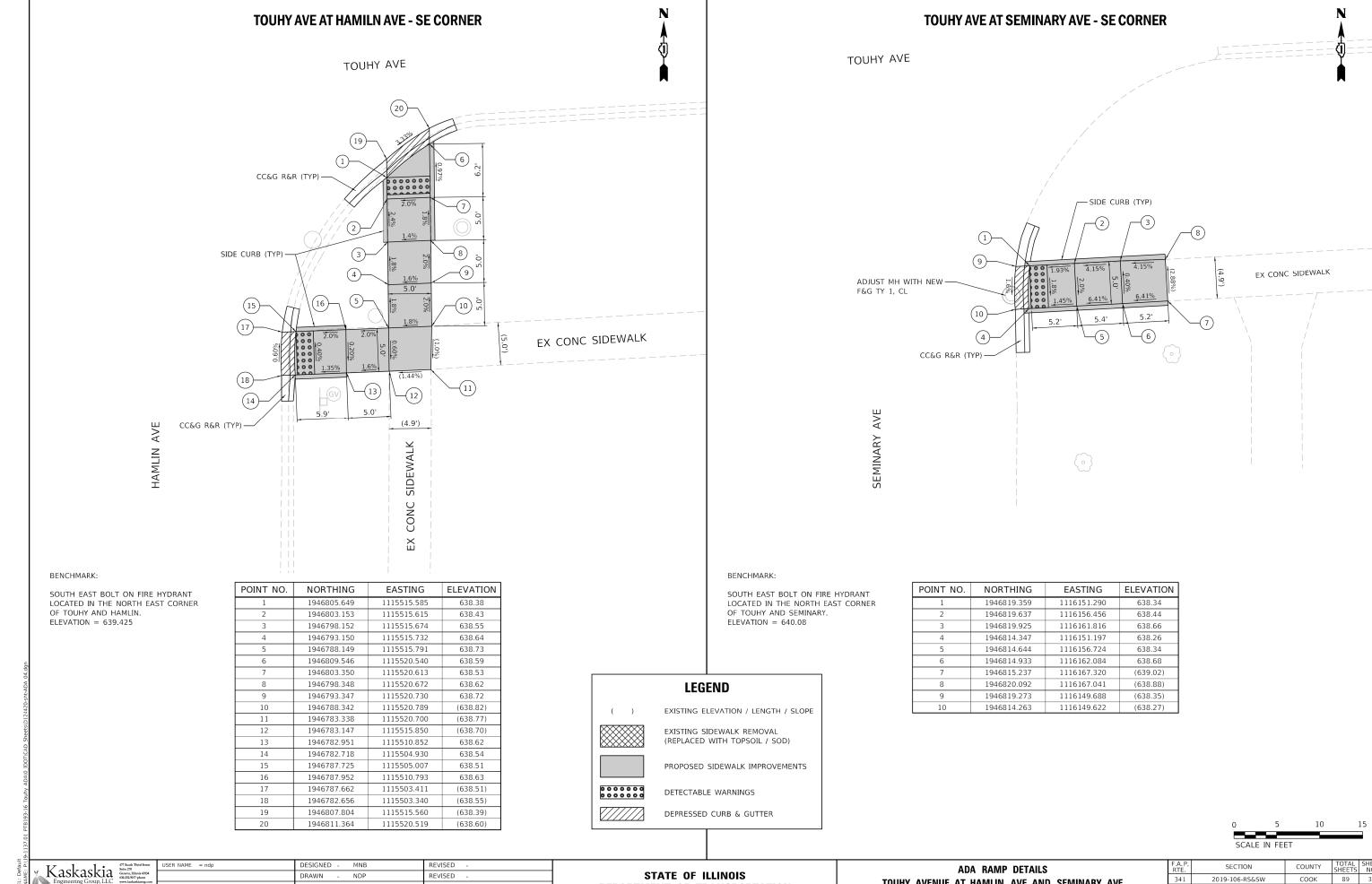
TOUHY AVE AT WASHINGTON AVE.

OF SHEETS STA.







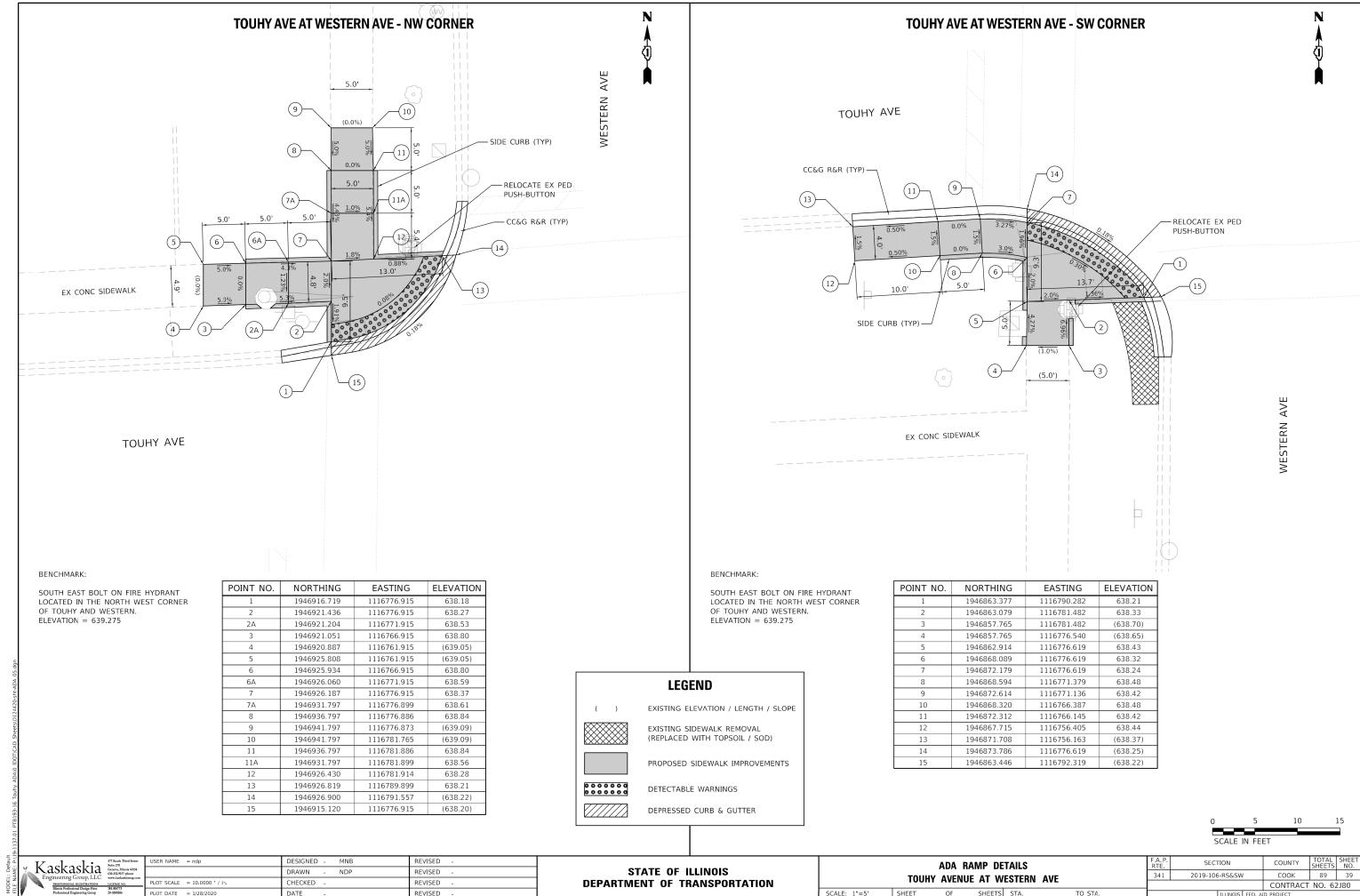


LOT SCALE = 10.0000 ' / in. CHECKED REVISED REVISED DATE

**DEPARTMENT OF TRANSPORTATION** 

TOUHY AVENUE AT HAMLIN AVE AND SEMINARY AVE SHEET SHEETS STA.

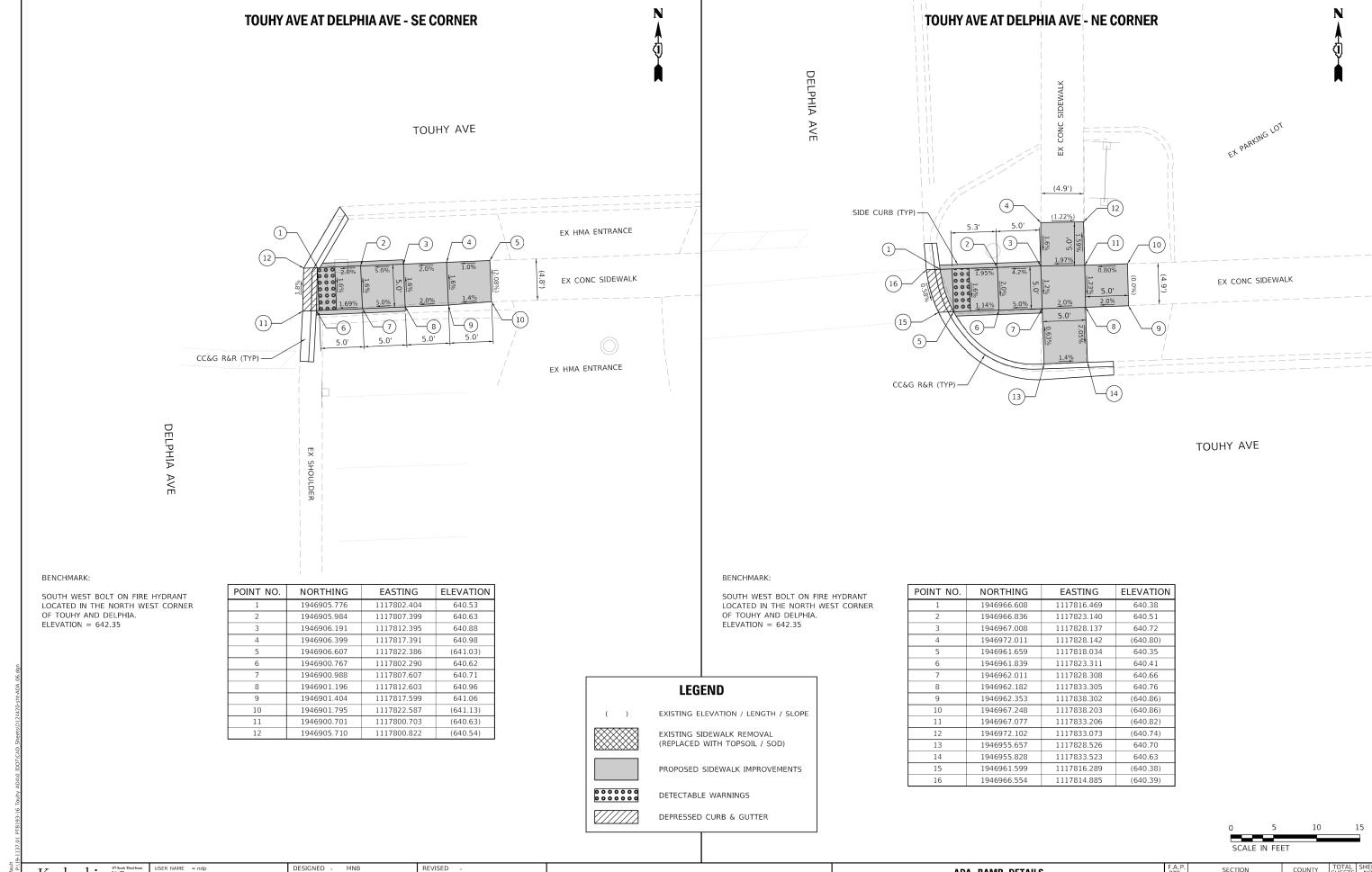
CONTRACT NO. 62J80



OT SCALE = 10.0000 ' / in. CHECKED REVISED REVISED DATE

	тоину	ADA RA AVENUE		TAILS Estern ave
SCALE: 1"=5'	SHEET	OF	SHEETS	STA.

CONTRACT NO. 62J80



MODEL: Default FILE NAME: P:\19-1137.0

Kaskaskia
Engineering Group, LLC
PROFESSON, REGERTSON, LEGITSON, L

 PLOT SCALE
 = 10.0000 ' / is.
 CHECKED
 REVISED

 PLOT DATE
 = 1/28/2020
 DATE
 REVISED

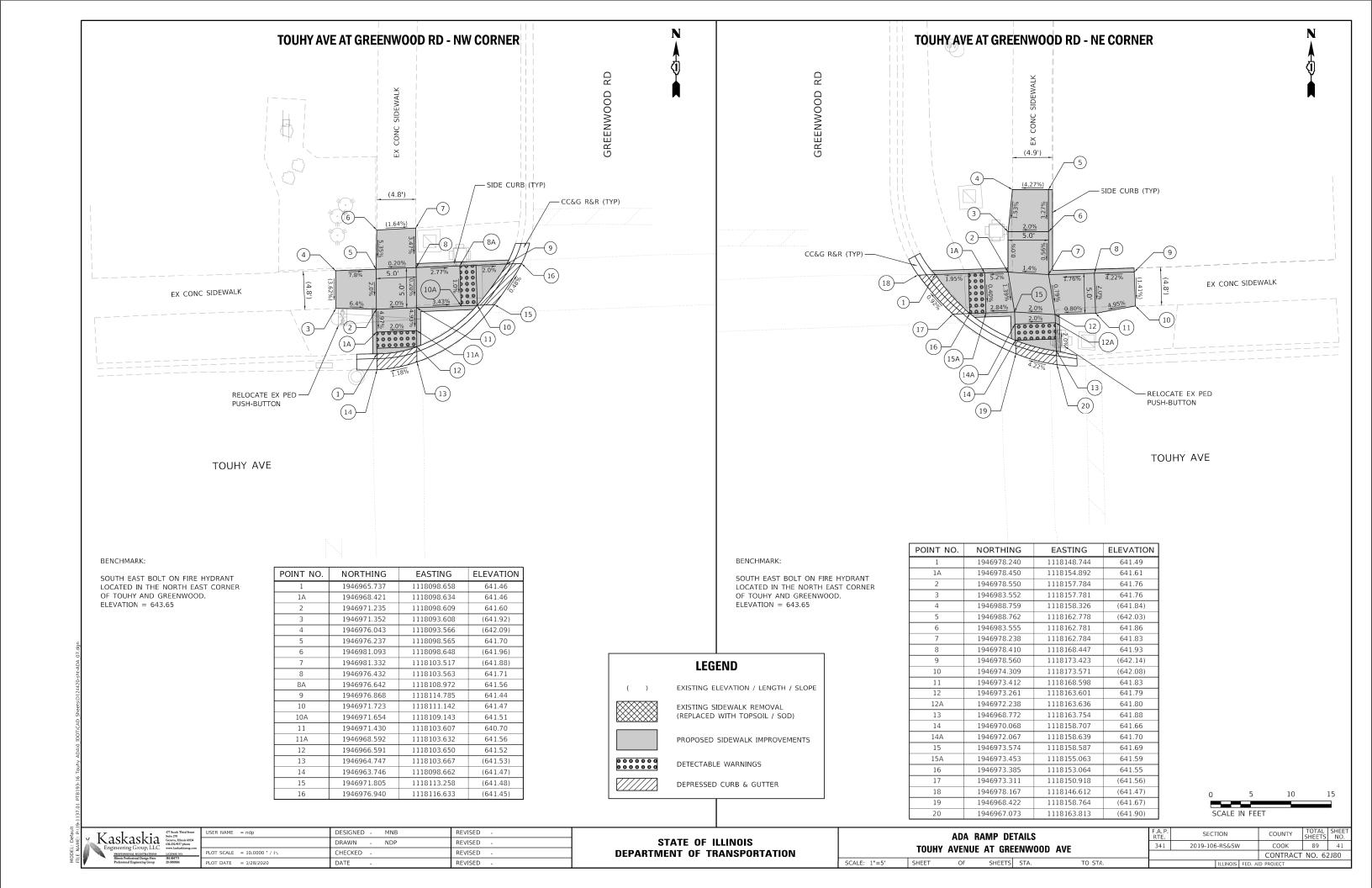
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

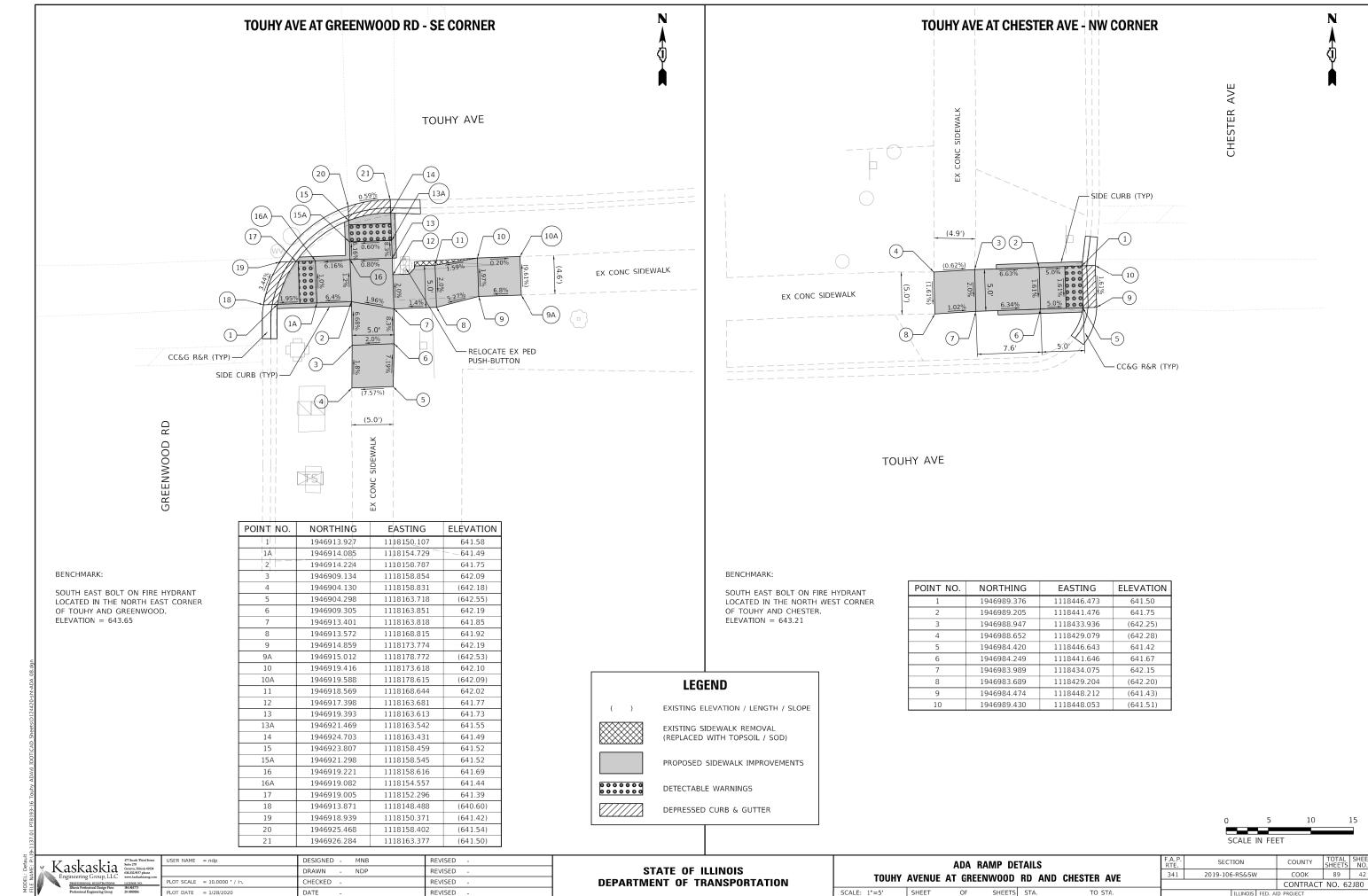
ADA RAMP DETAILS
TOUHY AVENUE AT DELPHIA AVE

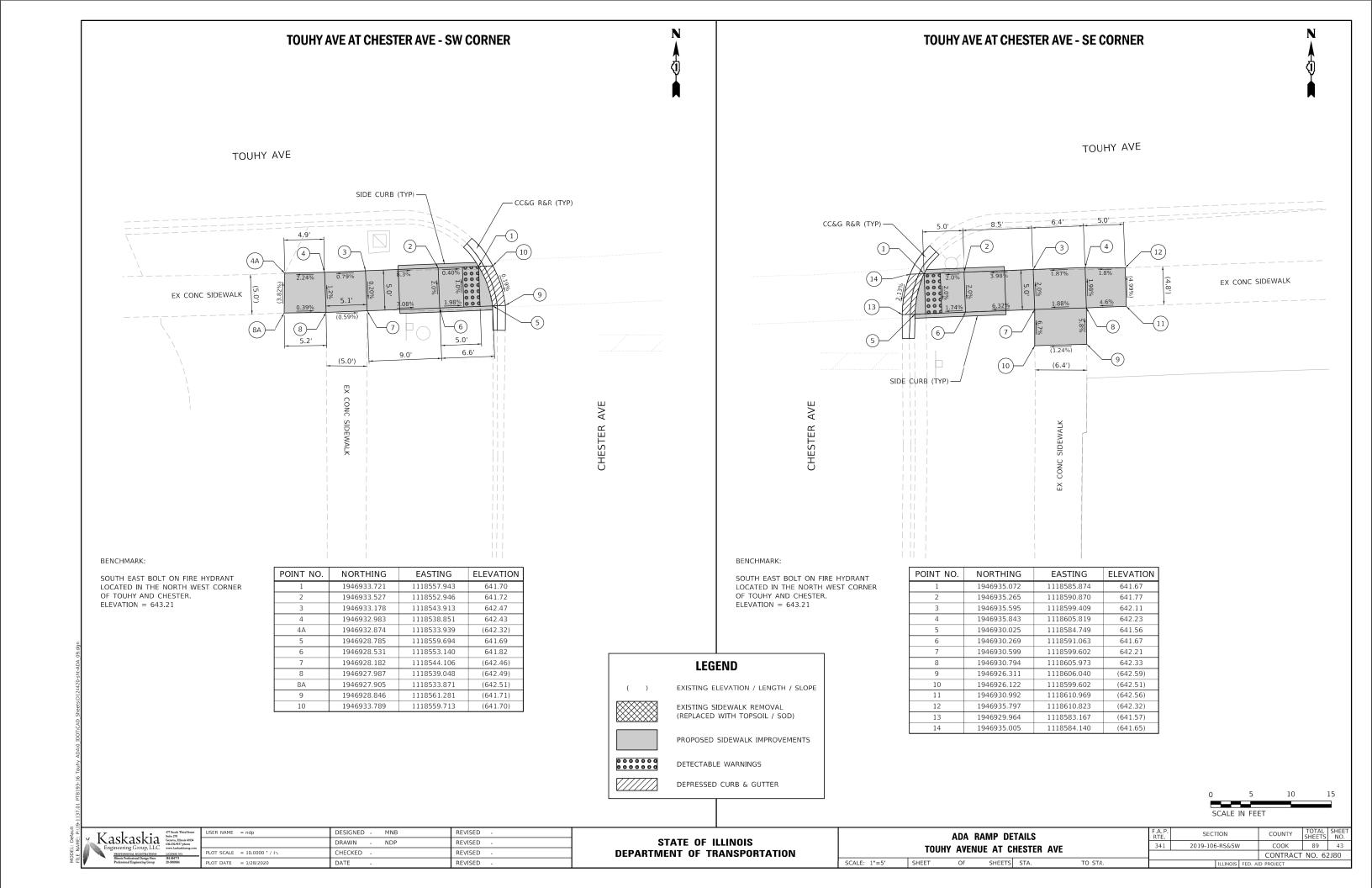
SHEET OF SHEETS STA.

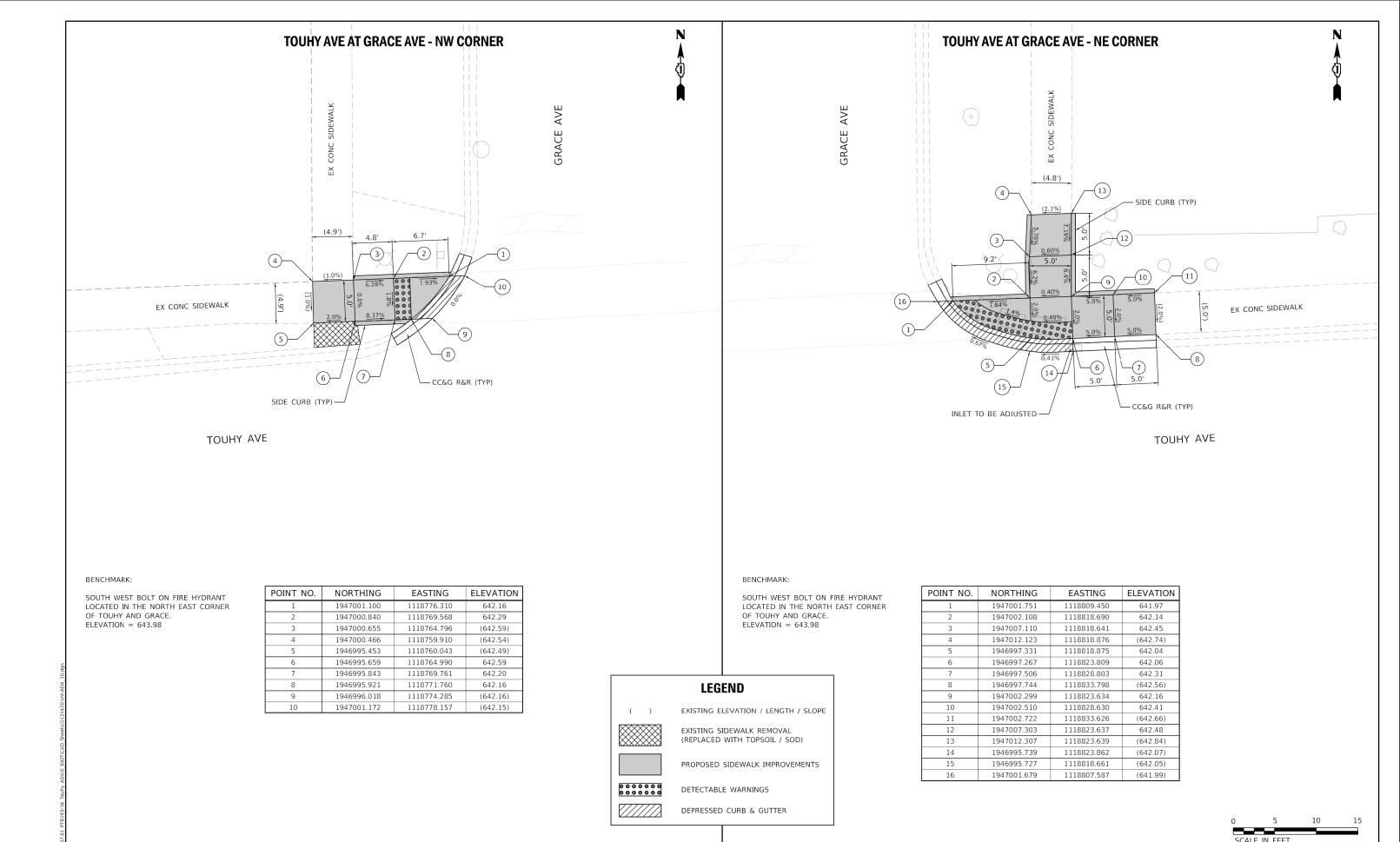
TO STA.

SCALE: 1"=5'









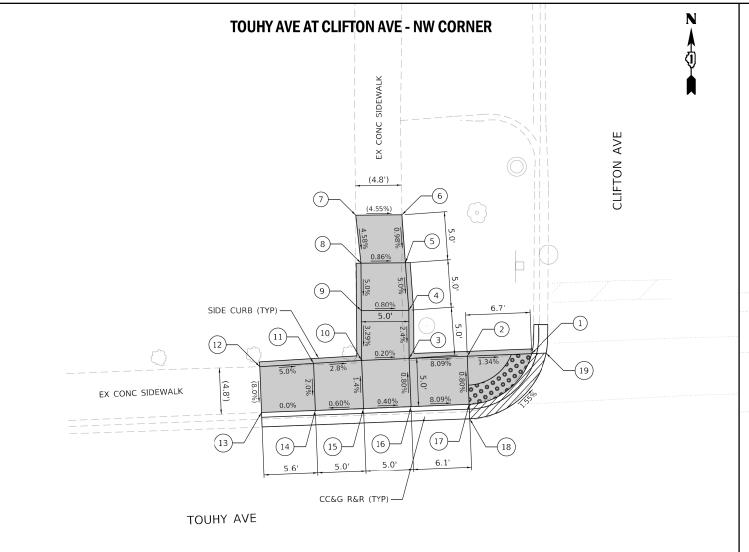
DESIGNED -MNB REVISED Kaskaskia DRAWN NDP REVISED LOT SCALE = 10.0000 ' / in. CHECKED REVISED DATE REVISED

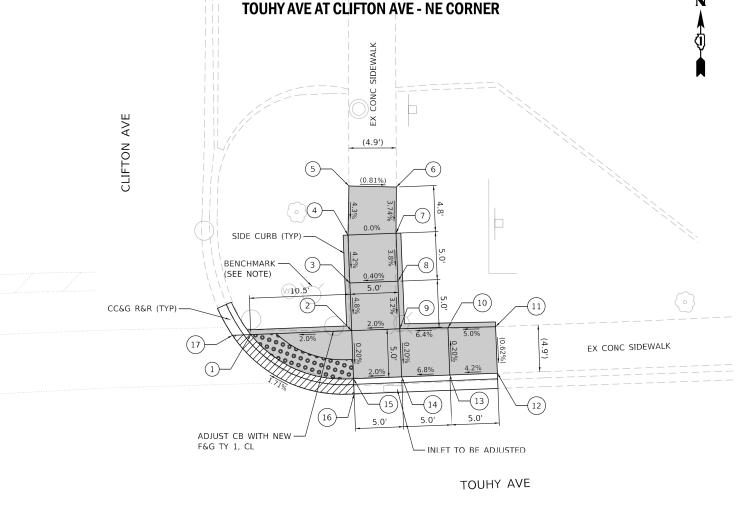
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SCALE: 1"=5'

SECTION ADA RAMP DETAILS 2019-106-RS&SW **TOUHY AVENUE AT GRACE AVE** SHEET SHEETS STA.

COOK 89 44 CONTRACT NO. 62J80 TO STA.





#### BENCHMARK:

SOUTH EAST BOLT ON FIRE HYDRANT LOCATED IN THE NORTH EAST CORNER OF TOUHY AND CLIFTON. ELEVATION = 645.73

POINT NO.	NORTHING	EASTING	ELEVATION
1	1947014.066	1119107.915	642.44
2	1947013.804	1119101.212	642.53
3	1947013.567	1119095.162	643.02
4	1947018.567	1119095.127	643.14
5	1947023.565	1119094.767	643.39
6	1947028.562	1119094.406	(643.44)
7	1947028.529	1119089.553	(643.66)
8	1947023.533	1119090.094	643.43
9	1947018.533	1119090.129	643.18
10	1947013.372	1119090.165	643.01
11	1947013.063	1119085.174	643.15
12	1947012.718	1119079.590	(643.43)
13	1947007.964	1119079.775	(643.05)
14	1947008.180	1119085.365	643.05
15	1947008.375	1119090.361	643.08
16	1947008.571	1119095.357	643.06
17	1947008.807	1119101.407	642.57
18	1947007.309	1119101.466	(642.58)
19	1947014.126	1947014.126	(642.40)

#### BENCHMARK:

SOUTH EAST BOLT ON FIRE HYDRANT LOCATED IN THE NORTH EAST CORNER OF TOUHY AND CLIFTON. ELEVATION = 645.73

SCALE: 1"=5'

L	EG	F	N	D



EXISTING ELEVATION / LENGTH / SLOPE



EXISTING SIDEWALK REMOVAL (REPLACED WITH TOPSOIL / SOD)



PROPOSED SIDEWALK IMPROVEMENTS



DETECTABLE WARNINGS

DEPRESSED CURB & GUTTER

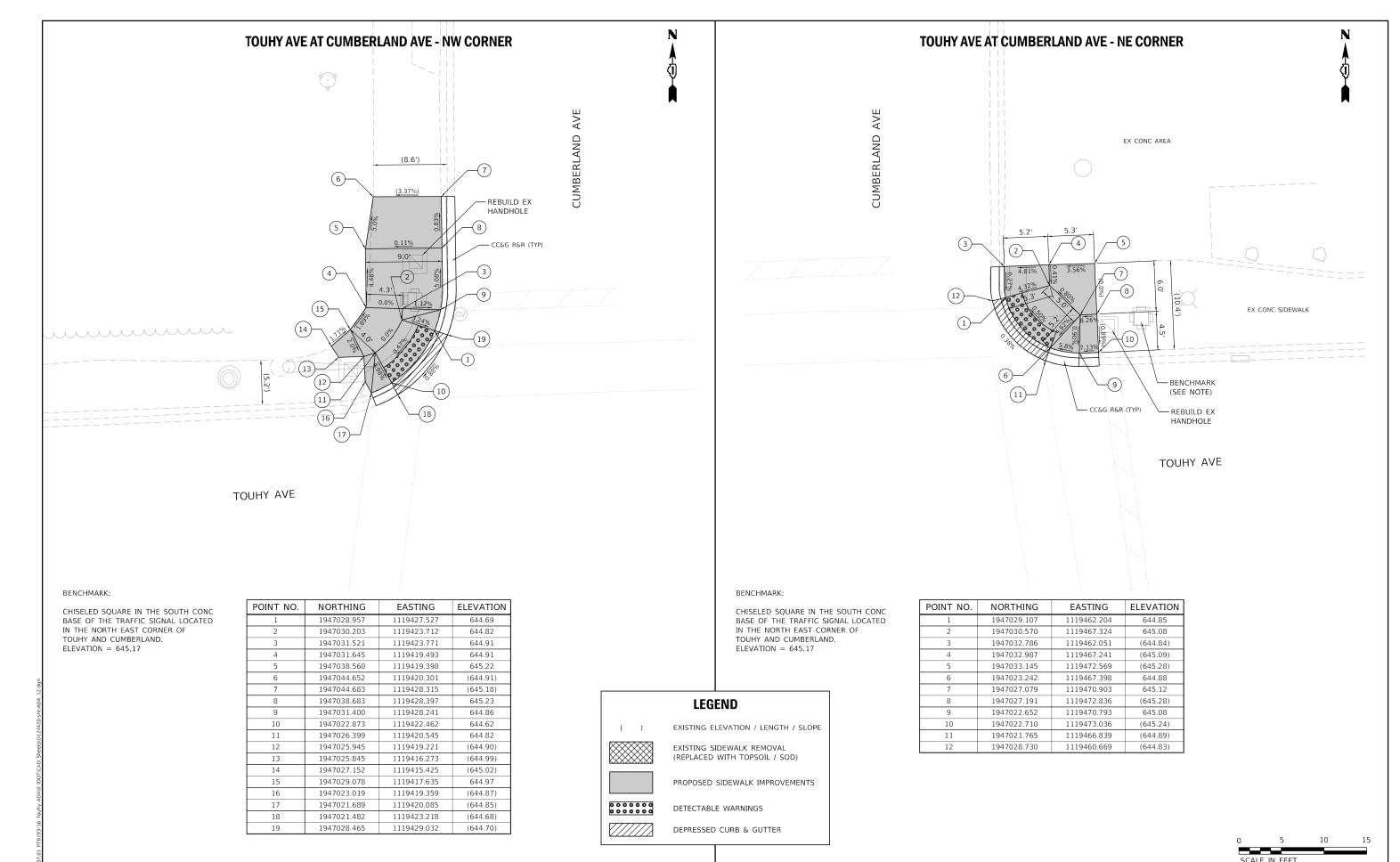
POINT NO.	NORTHING	EASTING	ELEVATION
1	1947015.259	1119138.736	642.86
2	1947015.666	1119149.275	643.07
3	1947020.662	1119149.083	643.31
4	1947025.659	1119148.890	643.52
5	1947030.773	1119148.988	(643.74)
6	1947030.658	1119153.924	(643.70)
7	1947025.851	1119153.886	643.52
8	1947020.855	1119154.079	643.33
9	1947015.859	1119154.272	643.17
10	1947015.964	1119159.271	643.49
11	1947016.070	1119164.271	(643.74)
12	1947011.248	1119164.457	(673.71)
13	1947011.055	1119159.461	643.50
14	1947010.863	1119154.465	643.16
15	1947010.670	1119149.468	643.06
16	1947009.091	1119149.529	(643.07)
17	1947015.185	1119136.825	(642.84)

	askaskia gineering Group, LLC	477 South Third Street Suite 270 Geneva, Illinois 60134 630.332.9157 phone www.kaskaskiaeng.com
4	PROFESSIONAL REGISTRATIONS	LICENSE NO.
-	Illinois Professional Design Firm	184.004773
	Professional Engineering Group	20,5080586

Street	USER NAME = ndp	DESIGNED - MNB	REVISED -
0134 se		DRAWN - NDP	REVISED -
ng.com	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/28/2020	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

	ADA F	AMP DE	TAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TOUHY AVENUE AT CLIFTON AVE				341	2019-106-RS&SW	соок	89	45	
TOOTT AVENUE AT CENTON AVE						CONTRA	CT NO. 6	2J80	
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FE	D AID PROJECT		



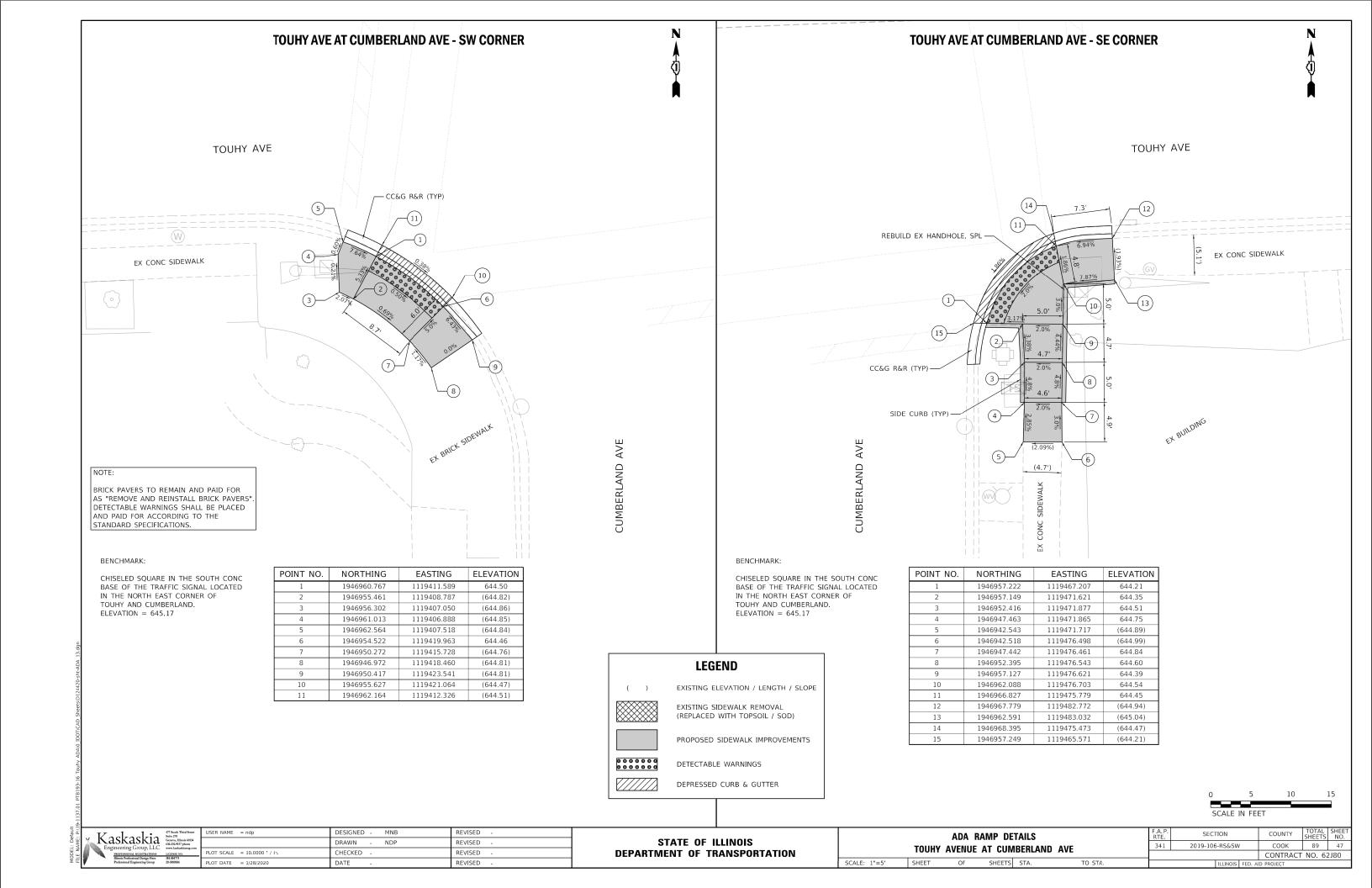
Kaskaskia LOT SCALE = 10.0000 ' / in.

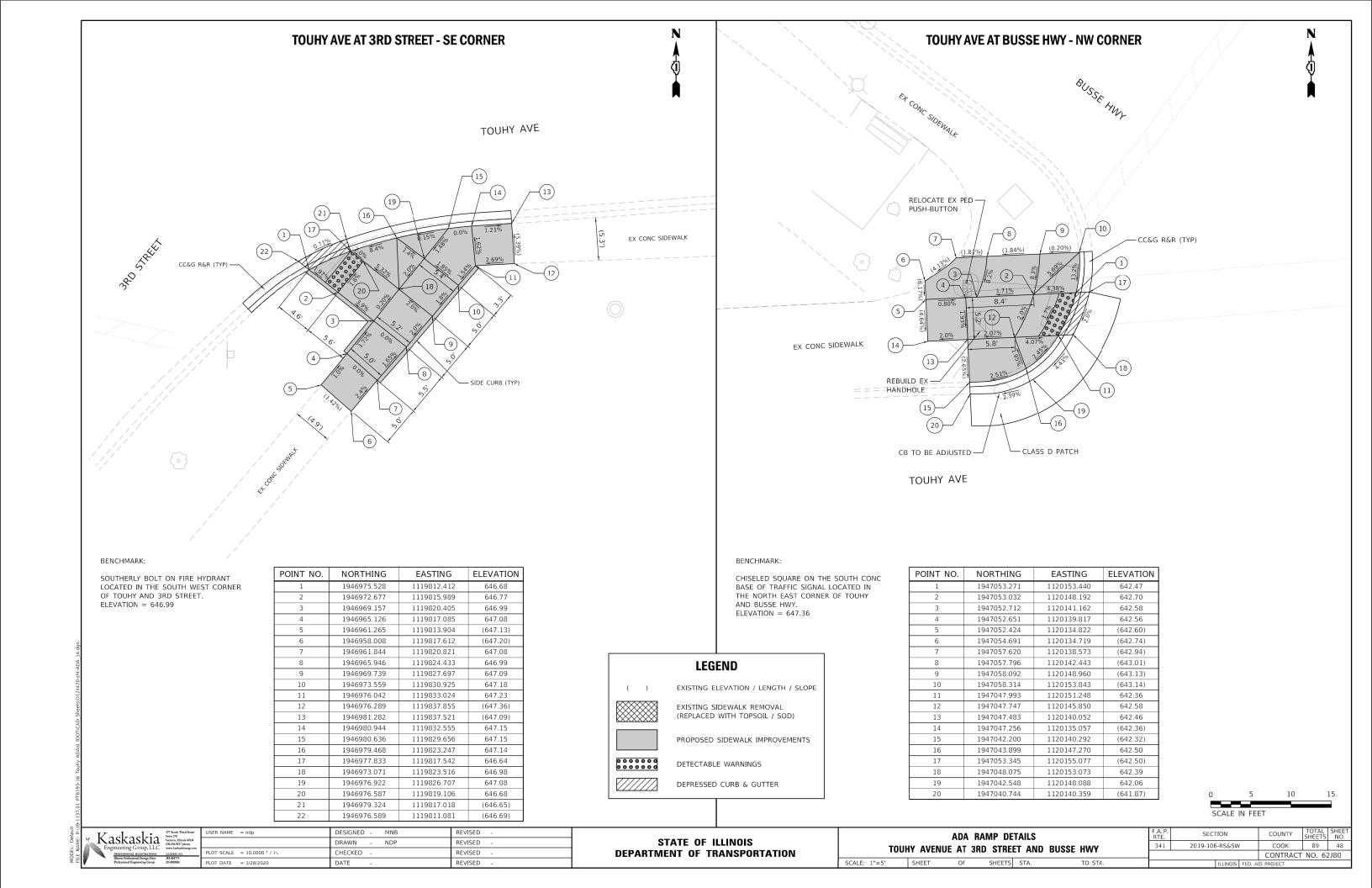
DESIGNED -MNB REVISED DRAWN NDP REVISED CHECKED REVISED REVISED DATE

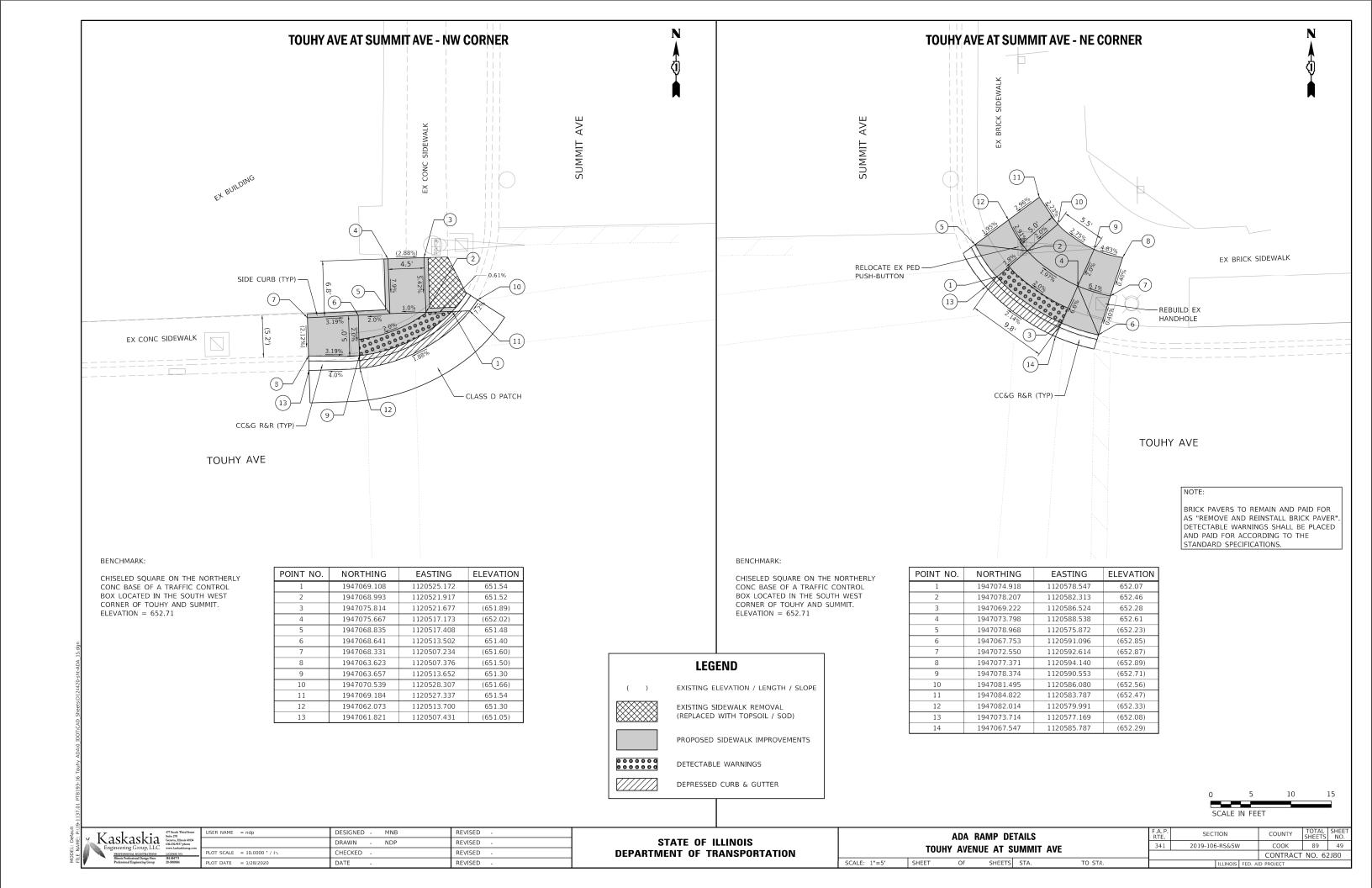
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

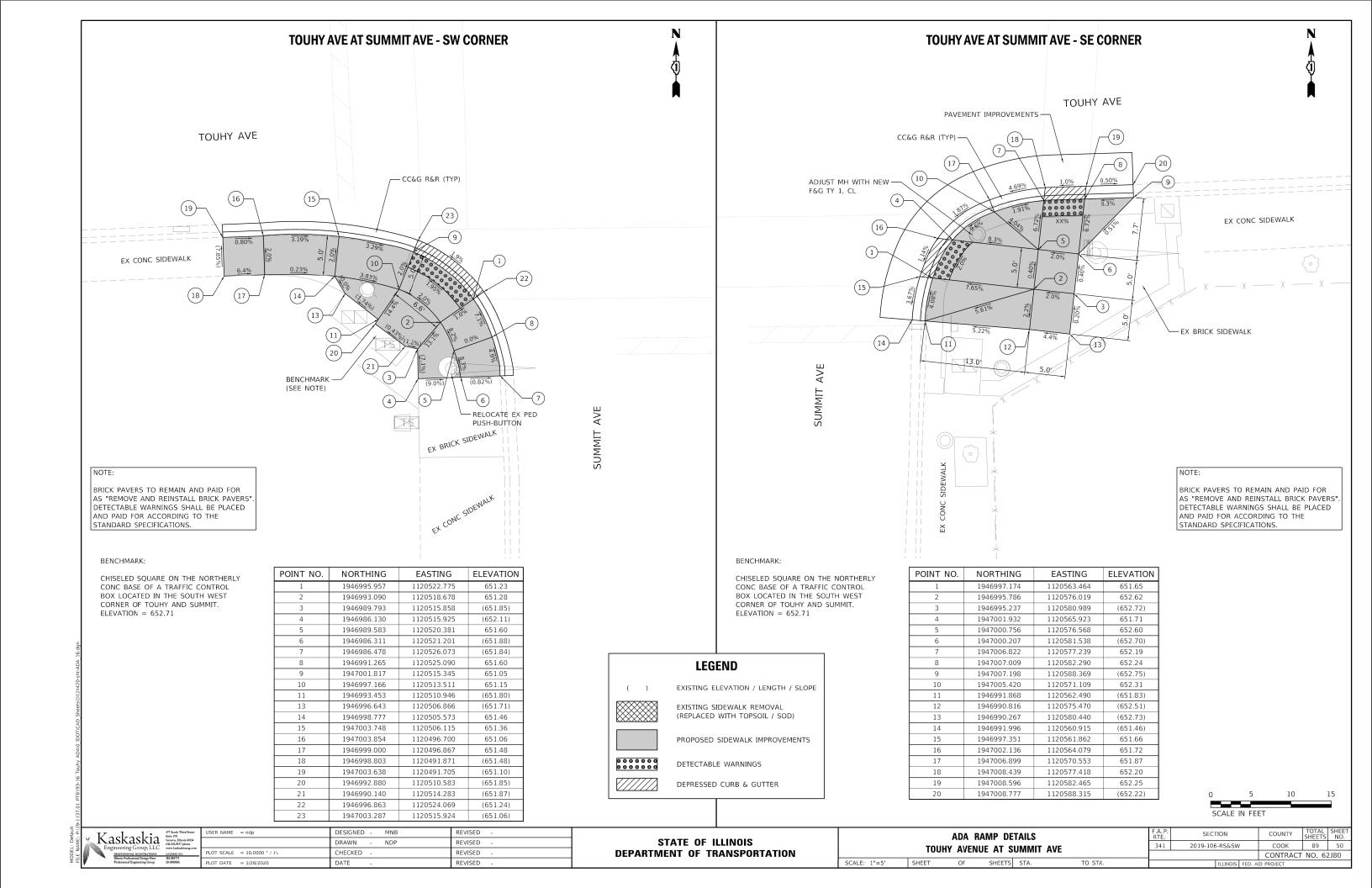
ADA RAMP DETAILS TOUHY AVENUE AT CUMBERLAND AVE							
SCALE: 1"=5'	SHEET	OF	SHEETS	STA.		TO STA.	

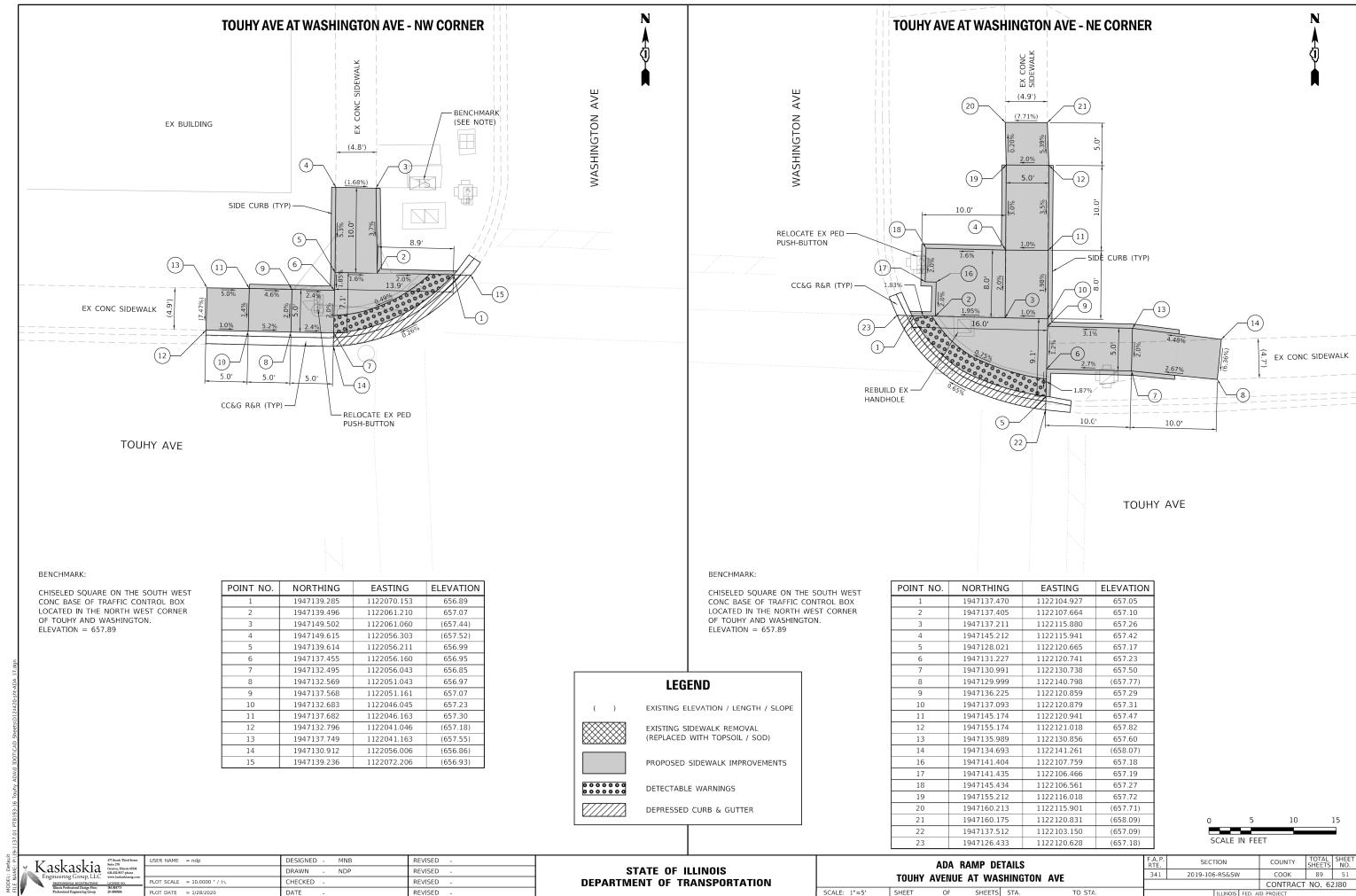
SECTION 2019-106-RS&SW соок 89 46 CONTRACT NO. 62J80





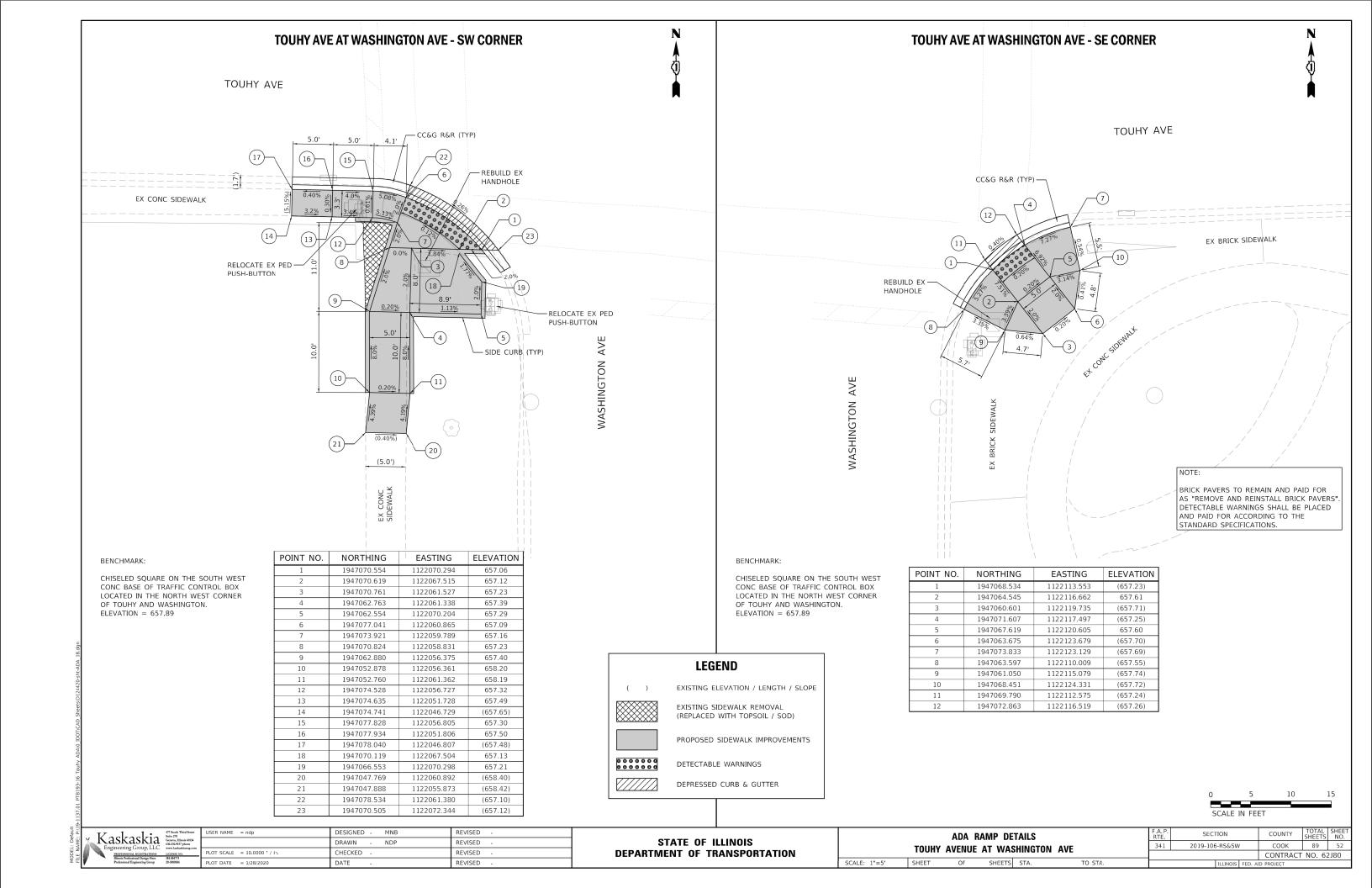


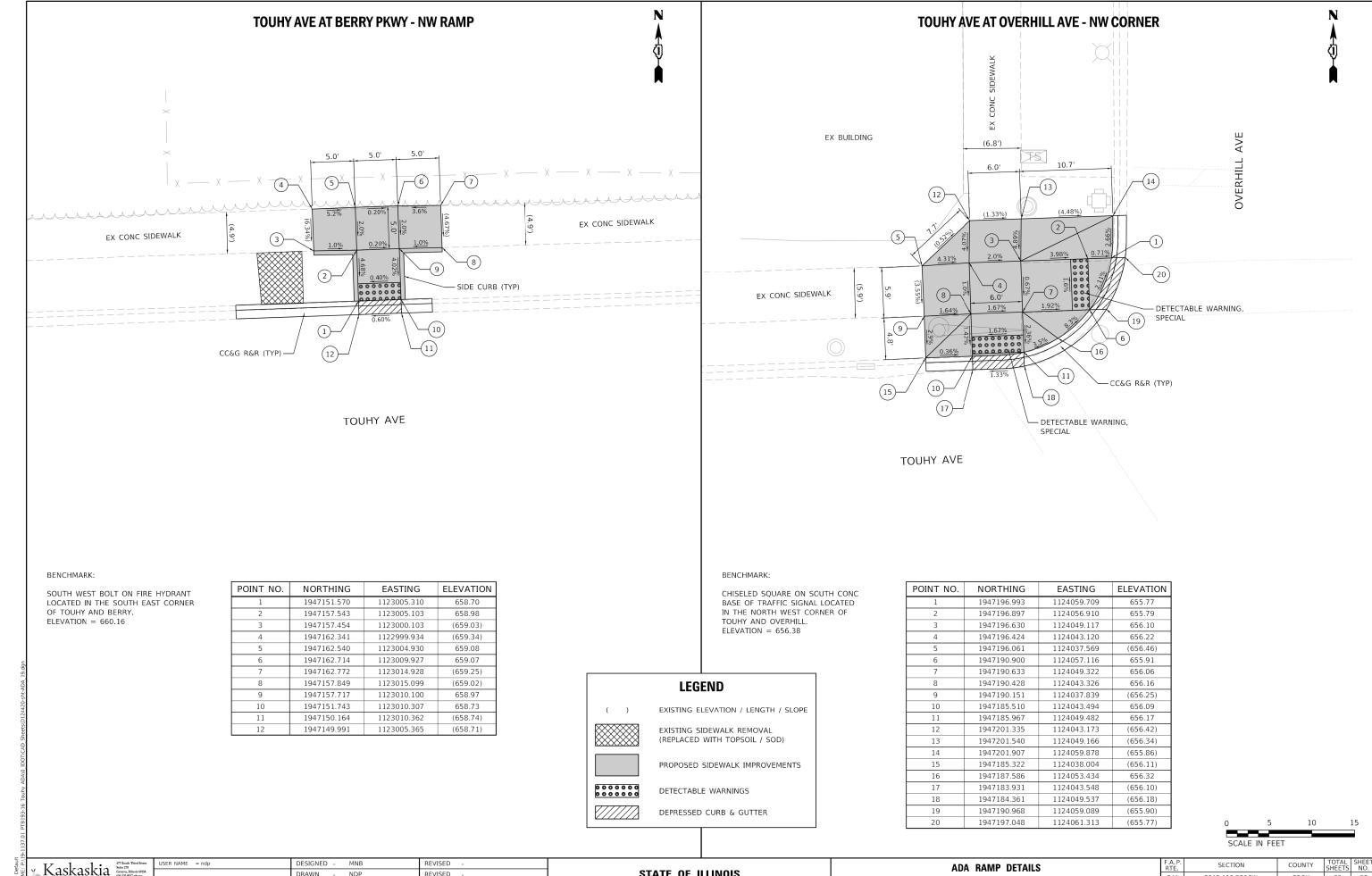




REVISED DATE

F.A.P. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-106-RS&SW			соок	89	51
·				CONTRACT	NO. 62	2J80
		ILLINOIS	FED. AI	ID PROJECT		

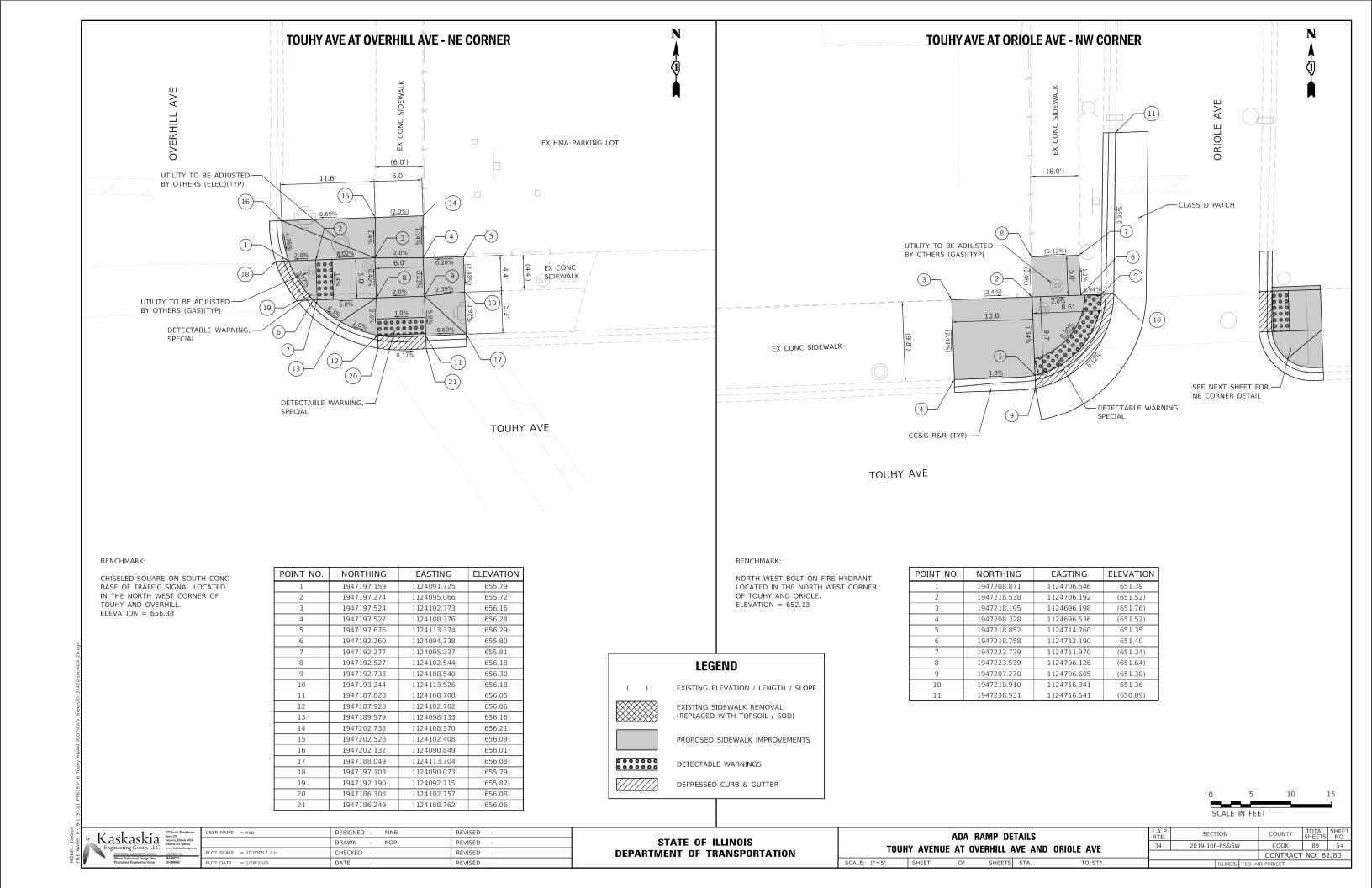


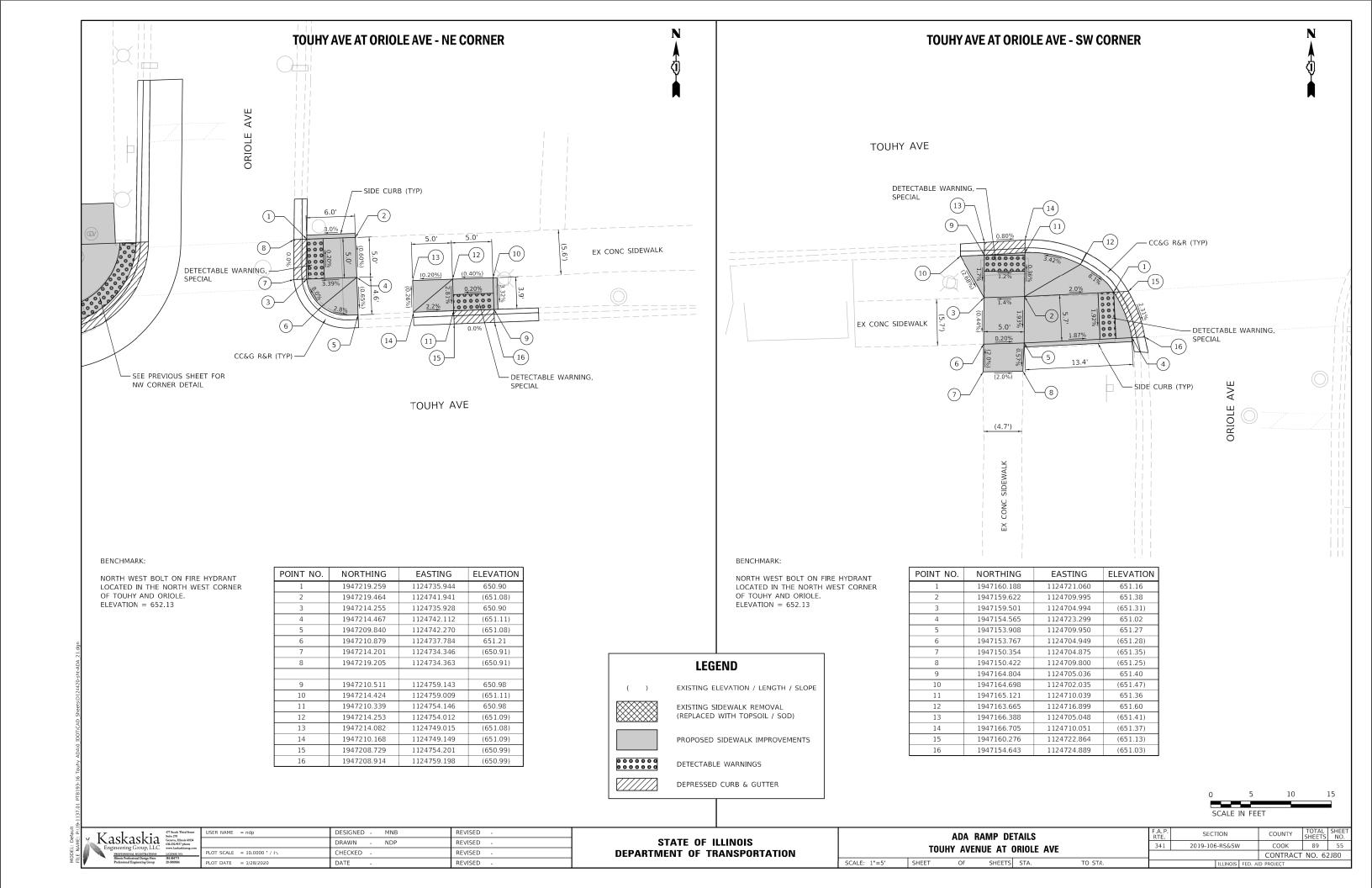


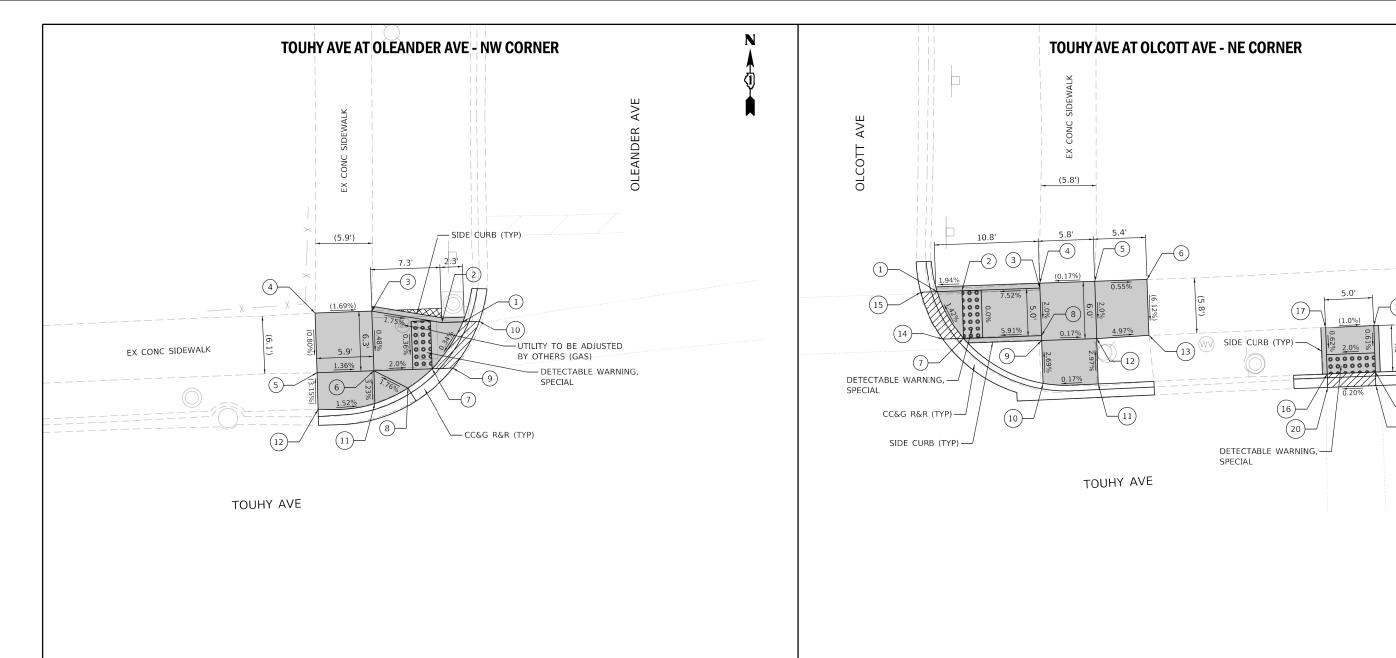
DRAWN NDP REVISED OT SCALE = 10.0000 ' / in. CHECKED REVISED REVISED DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  TOUHY AVENUE AT BERRY PKWY AND OVERHILL AVE SHEET SHEETS STA.

2019-106-RS&SW соок 89 53 CONTRACT NO. 62J80







#### BENCHMARK:

CHISELED SQUARE ON SOUTH EAST CONC BASE OF LIGHT POLE LOCATED IN THE NORTH WEST CORNER OF TOUHY AND OLEANDER. ELEVATION = 649.50

POINT NO.	NORTHING	EASTING	ELEVATION
1	1947230.771	1125051.373	649.44
2	1947230.696	1125049.185	649.44
3	1947231.894	1125041.865	(649.57)
4	1947231.693	1125035.966	(649.67)
5	1947225.442	1125036.180	(649.62)
6	1947225.644	1125042.079	649.54
7	1947225.851	1125048.120	649.42
8	1947223.838	1125045.610	649.61
9	1947225.926	1125050.318	(649.41)
10	1947230.830	1125053.084	(649.43)
11	1947222.234	1125042.175	649.65
12	1947221.643	1125036.287	(649.74)

#### BENCHMARK:

NORTH BOLT ON FIRE HYDRANT LOCATED IN THE NORTH WEST CORNER OF TOUHY AND OLCOTT. ELEVATION = 650.49

# EXISTING ELEVATION / LENGTH / SLOPE EXISTING SIDEWALK REMOVAL (REPLACED WITH TOPSOIL / SOD) PROPOSED SIDEWALK IMPROVEMENTS DETECTABLE WARNINGS

DEPRESSED CURB & GUTTER

**LEGEND** 

POINT NO.	NORTHING	EASTING	ELEVATION
1	1947247.869	1125415.045	649.37
2	1947247.957	1125417.623	649.42
3	1947248.235	1125425.735	650.03
4	1947248.751	1125425.718	(650.04)
5	1947248.956	1125431.498	(650.05)
6	1947249.142	1125436.927	(650.02)
7	1947242.960	1125417.794	649.45
8	1947243.238	1125425.906	649.93
9	1947242.739	1125425.924	649.94
10	1947238.279	1125426.076	650.06
11	1947238.228	1125431.866	650.07
12	1947242.937	1125431.704	649.93
13	1947243.266	1125437.128	(649.66)
14	1947242.886	1125415.629	(649.45)
15	1947247.809	1125413.294	(649.37)
16	1947239.265	1125455.691	649.65
17	1947244.107	1125455.525	(649.68)
18	1947239.453	1125460.687	649.66
19	1947244.337	1125460.520	(649.63)
20	1947237.866	1125455.739	(649.66)
21	1947238.054	1125460.740	(649.67)

(	)	5	10	15
	SCALE IN	FEET		

EX CONC SIDEWALK

·CC&G R&R (TYP)

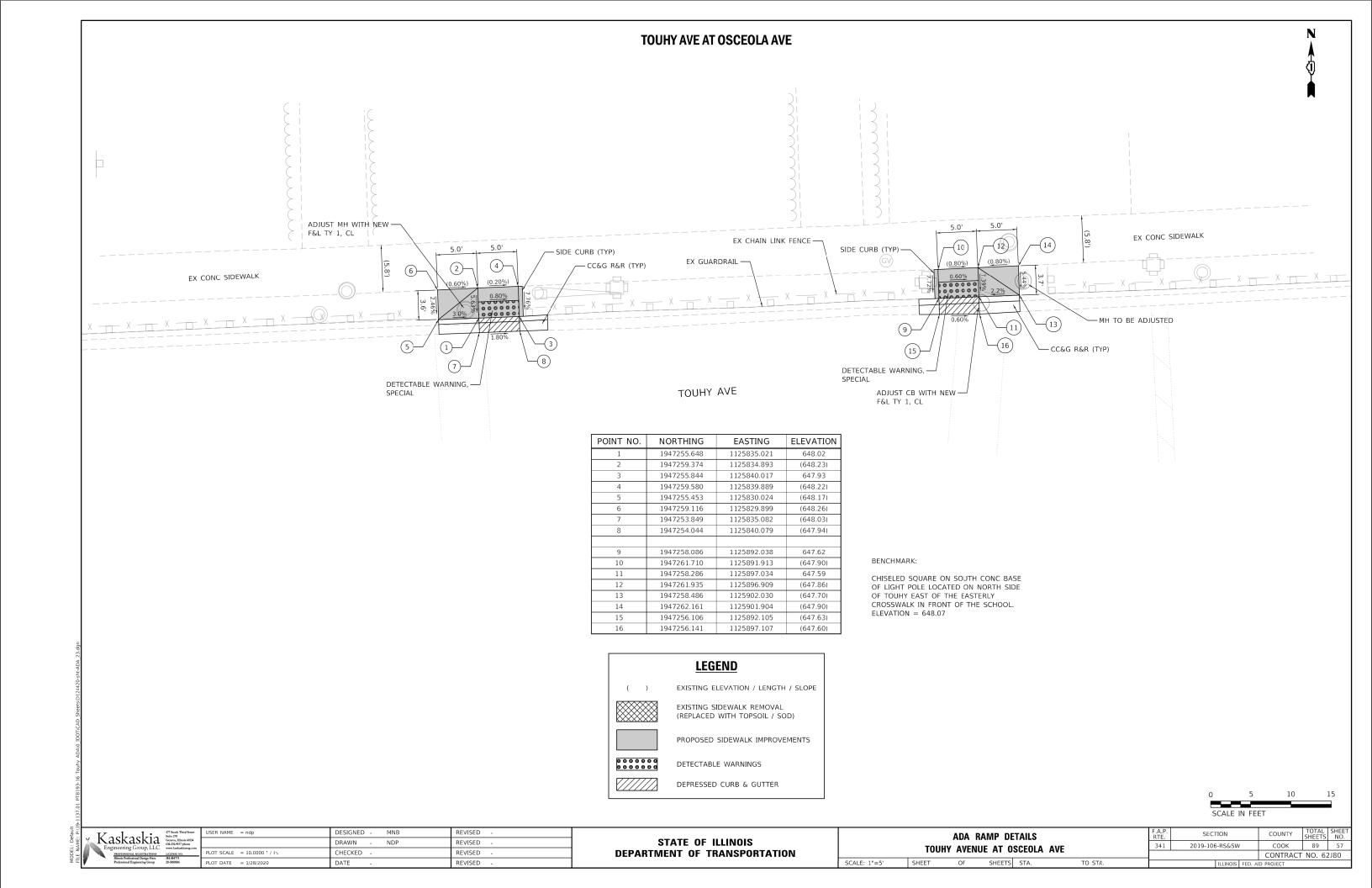
Kaskaskia Engineering Group, LLC	477 South Third Street Suite 270 Geneva, Illinois 60134 630.332.9157 phone www.kaskaskiaeng.co
PROFESSIONAL REGISTRATIONS	LICENSE NO.
Illinois Professional Design Firm	184.004773
Professional Engineering Group	20-5080586

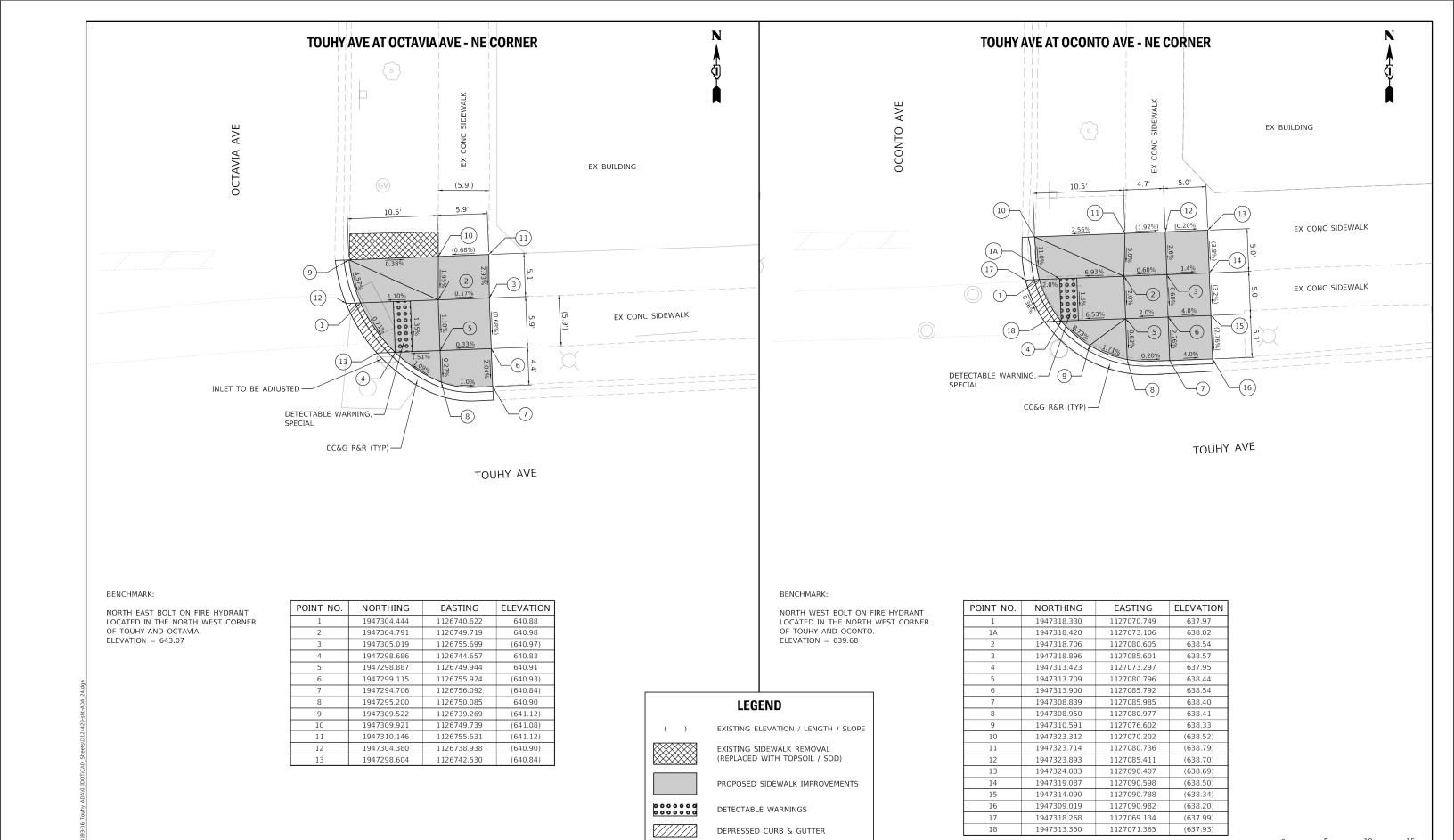
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s 60134 some		DRAWN - NDP	REVISED -
ung.com	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/28/2020	DATE -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS TOUHY AVENUE AT OLEANDER AVE AND OLCOTT AVE						
SCALE: 1"=5'	SHEET	OF	SHEETS	STA.	TO STA.	

F.A.P. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
341	2019-106-RS&SW		соок	89	56	
				CONTRACT	NO. 62	2180
ILLINOIS FED. AID PROJECT						





Kaskaskia 677 Seuh Thiel Steret 202 Geneva, Illinda 61014 202 Geneva,

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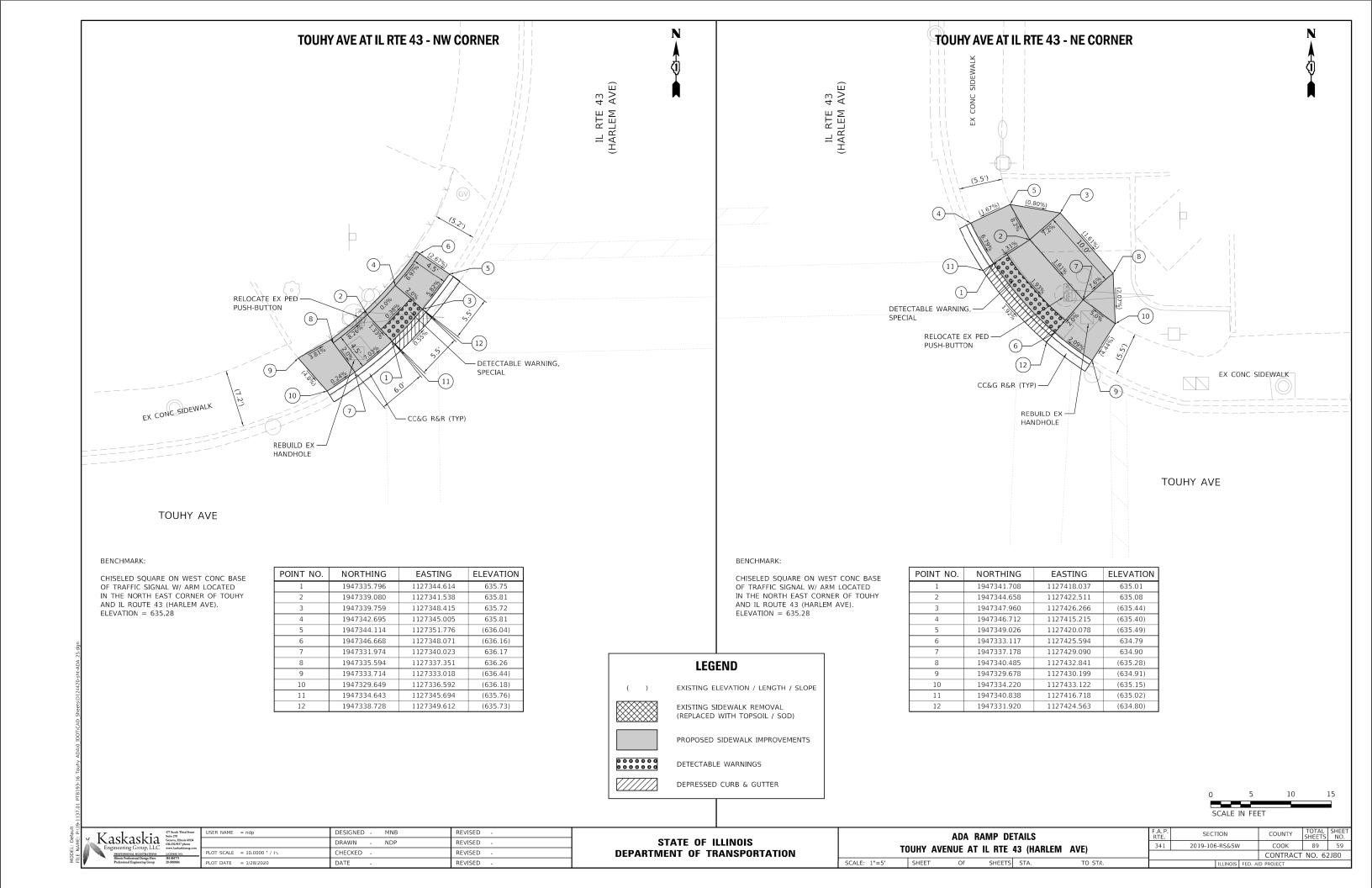
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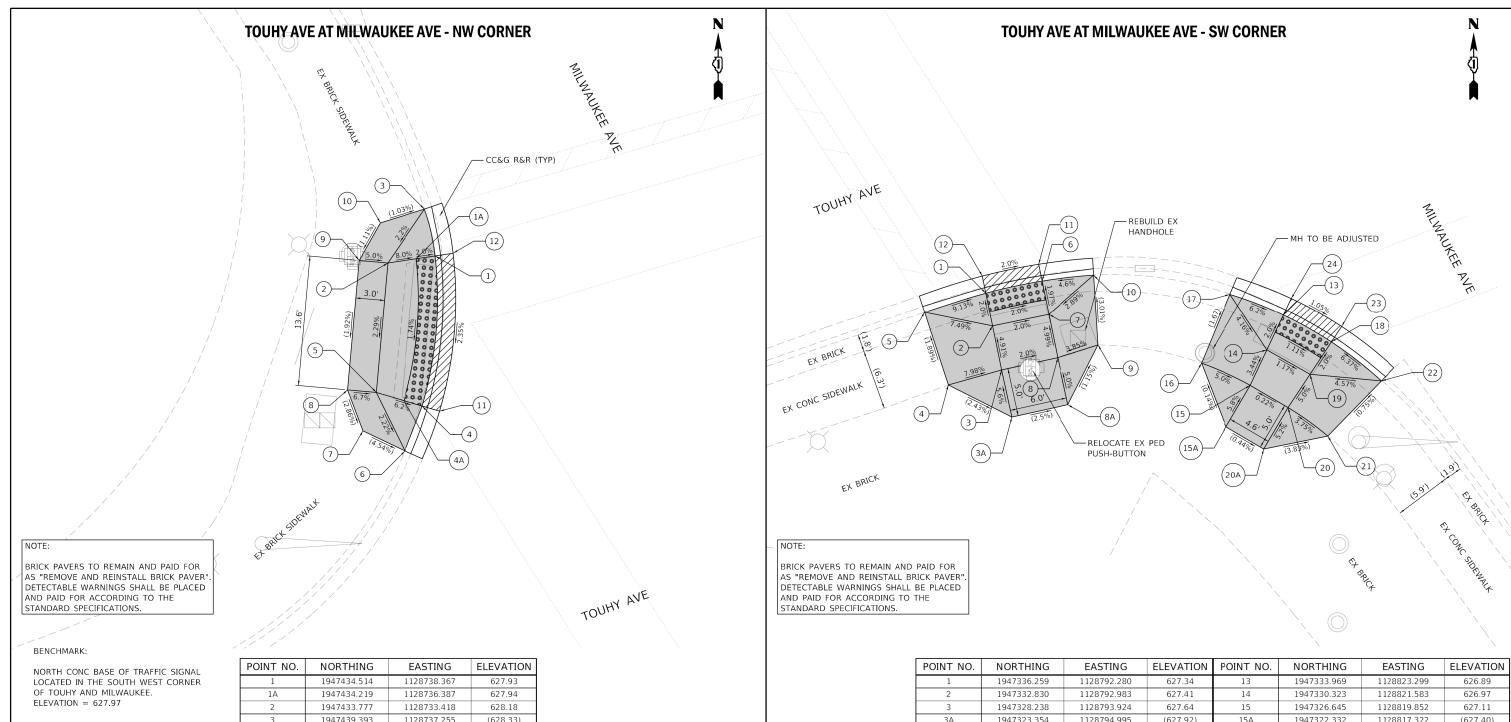
 PLOT DATE
 = 1/28/2020
 DATE
 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS TOUHY AVENUE AT OCTAVIA AVE AND OCONTO AVE							
SCALE: 1"=5"	SHEET	OF	SHEETS	STA.	TO STA.		

F.A.P. RTE.	SECTION	SECTION			SHEET NO.
341	2019-106-RS&SW	COOK	89	58	
		CONTRACT	NO. 62	2J80	
	ILLINOIS	FED. AI	ID PROJECT		





POINT NO.	NORTHING	EASTING	ELEVATION
1	1947434.514	1128738.367	627.93
1A	1947434.219	1128736.387	627.94
2	1947433.777	1128733.418	628.18
3	1947439.393	1128737.255	(628.33)
4	1947418.860	1128737.014	627.56
4A	1947419.425	1128735.096	627.68
5	1947420.272	1128732.218	627.87
6	1947414.204	1128735.193	(627.72)
7	1947416.293	1128730.827	(627.94)
8	1947420.538	1128729.230	(628.07)
9	1947434.043	1128730.430	(628.33)
10	1947437.954	1128732.639	(628.38)
11	1947418.324	1128738.837	(627.57)
12	1947434.794	1128740.247	(627.94)

#### **LEGEND**

EXISTING ELEVATION / LENGTH / SLOPE



EXISTING SIDEWALK REMOVAL (REPLACED WITH TOPSOIL / SOD)



PROPOSED SIDEWALK IMPROVEMENTS



DETECTABLE WARNINGS

DEPRESSED CURB & GUTTER

POINT NO.	NORTHING	EASTING	ELEVATION	POINT NO.	NORTHING	EASTING	ELEVATION
1	1947336.259	1128792.280	627.34	13	1947333.969	1128823.299	626.89
2	1947332.830	1128792.983	627.41	14	1947330.323	1128821.583	626.97
3	1947328.238	1128793.924	627.64	15	1947326.645	1128819.852	627.11
3A	1947323.354	1128794.995	(627.92)	15A	1947322.332	1128817.322	(627.40)
4	1947326.688	1128788.375	(628.10)	16	1947328.947	1128814.759	(627.39)
5	1947334.249	1128785.911	(627.95)	17	1947336.134	1128817.742	(627.26)
6	1947337.525	1128798.146	627.22	18	1947331.156	1128828.285	626.83
7	1947334.035	1128798.861	627.29	19	1947327.789	1128826.062	626.91
8	1947329.523	1128799.785	627.52	20	1947324.338	1128823.784	627.12
8A	1947324.639	1128800.857	(627.77)	20A	1947320.025	1128821.254	(627.38)
9	1947330.841	1128803.998	(627.69)	21	1947321.383	1128827.904	(627.31)
10	1947338.147	1128803.544	(627.47)	22	1947327.099	1128833.476	(627.25)
11	1947339.281	1128797.786	(627.23)	23	1947332.763	1128829.346	(626.84)
12	1947338.047	1128791.914	(627.35)	24	1947335.701	1128824.115	(626.90)

BENCHMARK:

SCALE: 1"=5'

NORTH CONC BASE OF TRAFFIC SIGNAL LOCATED IN THE SOUTH WEST CORNER OF TOUHY AND MILWAUKEE. ELEVATION = 627.97

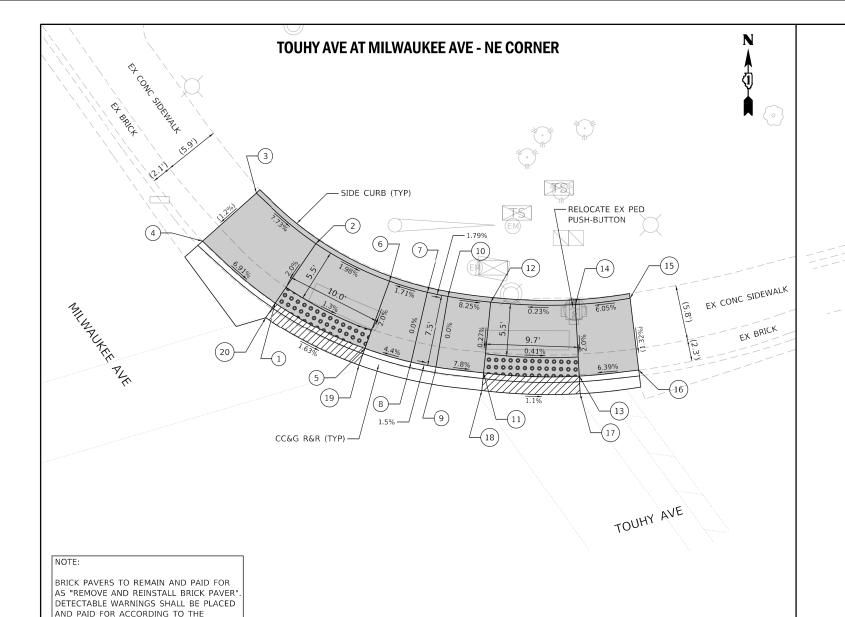


Engin	skaskia Beering Group, LLC	477 South Third Street Suite 270 Geneva, Illinois 60134 630.332.9157 phone www.kaskaskiaeng.com
	ROFESSIONAL REGISTRATIONS	LICENSE NO.
	inois Professional Design Firm	184.004773
P	ofessional Engineering Group	20-5080586

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134		DRAWN - NDP	REVISED -
g.com	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/28/2020	DATE -	REVISED -

STATE OF ILLINOIS	
<b>DEPARTMENT OF TRANSPORTATION</b>	

ADA RAMP DETAILS TOUHY AVENUE AT MILWAUKEE AVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
			341	2019-106-RS&SW	соок	89	60		
					CONTRACT	NO. 62	2180		
SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



BENCHMARK:

SOUTH EAST BOLT ON FIRE HYDRANT LOCATED IN THE SOUTH EAST CORNER OF TOUHY AND FRANKS.

TOUHY AVE

EX CONC SIDEWALK

ELEVATION = 623.85

#### **LEGEND**



EXISTING ELEVATION / LENGTH / SLOPE



EXISTING SIDEWALK REMOVAL (REPLACED WITH TOPSOIL / SOD)



PROPOSED SIDEWALK IMPROVEMENTS



DETECTABLE WARNINGS

DEPRESSED CURB & GUTTER

9
10
11
12
13
14
15
16
17

POINT NO.

SIDE CURB (TYP) -

(10)

0	5	10	15
SCALE	IN FEFT		

Kaskaskia Engineering Group, LLC	477 South Third Street Suite 270 Geneva, Illinois 60134 630.332.9157 phone www.kuskaskiaeng.com
PROFESSIONAL REGISTRATIONS	LICENSE NO.
Illinois Professional Design Firm	184.004773

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is 60134 hone		DRAWN - NDP	REVISED -
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	PLOT DATE = 1/28/2020	DATE -	REVISED -

POINT NO.

6

10

12

13

16

18

19

20

NORTHING

1947461.918

1947468.118

1947473.384

1947468.378

1947457.161

1947464.215

1947463.054

1947455.746

1947455.229

1947462.621

1947454.616

1947462.021

1947454.285

1947461.774

1947462.429

1947454.920

1947452.457

1947452.797

1947455.440

1947460.405

EASTING

1128825.503

1128829.723

1128823.504

1128817.896

1128834.820

1128837.368

1128841.303

1128842.237

1128843.494

1128847.199

1128847.941

1128857.164

1128856.755

1128862.503

1128863.396

1128857.264

1128847.017

1128834.198

1128824.474

ELEVATION

627.70

627.85

(628.48)

(628.39)

627.53

627.68

627.75

627.75

627.71

627.71

627.32

627.34

627.21

627.36

(627.71)

(627.61)

(627.22)

(627.33)

(627.54)

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

ADA RAMP DETAILS TOUHY AVENUE AT MILWAUKEE AVE AND FRANKS AVE						
SCALE: 1"=5'	SHEET	OF	SHEETS	STA.	TO STA.	

NORTHING

1947500.239

1947498.863

1947494.023

1947489.368

1947487.952

1947492 647

1947497.476

1947504.899

1947503.693

1947502.307

1947506.065

1947507.218

1947512.307

1947511.274

1947508.943

1947505.496

1947500.666

**TOUHY AVE AT FRANKS AVE - SW CORNER** 

- CC&G R&R (TYP)

**ELEVATION** 

622.24

622.35

622.63

(622.90)

(622.97)

622.71

622.45

622.30

622.41

622.75

(622.96)

(622.88)

622.63

622.38

(622.25)

(622.22)

**EASTING** 

1129307.146

1129302.058

1129303.312

1129304.518

1129299.469

1129298.223

1129296.927

1129305.227

1129300.763

1129295.638

1129293.372

1129289.296

1129288.846

1129295.636

1129300.806

1129307.432

1129308.728

CB TO BE ADJUSTED

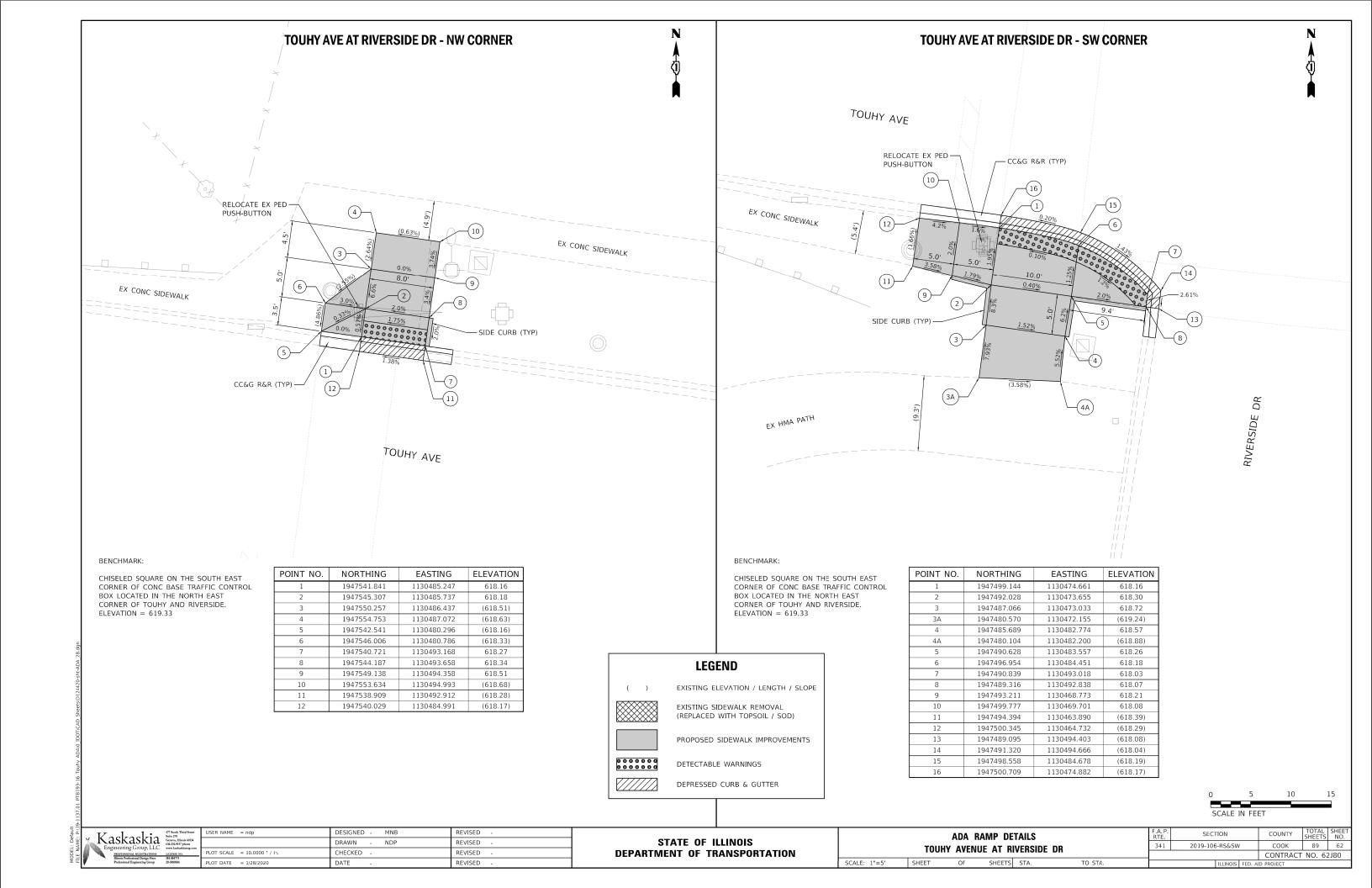
F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
341	2019-106-RS&SW	,	соок	89	61
		CONTRACT	NO. 62	2180	
	ILLINOIS	ID PROJECT			

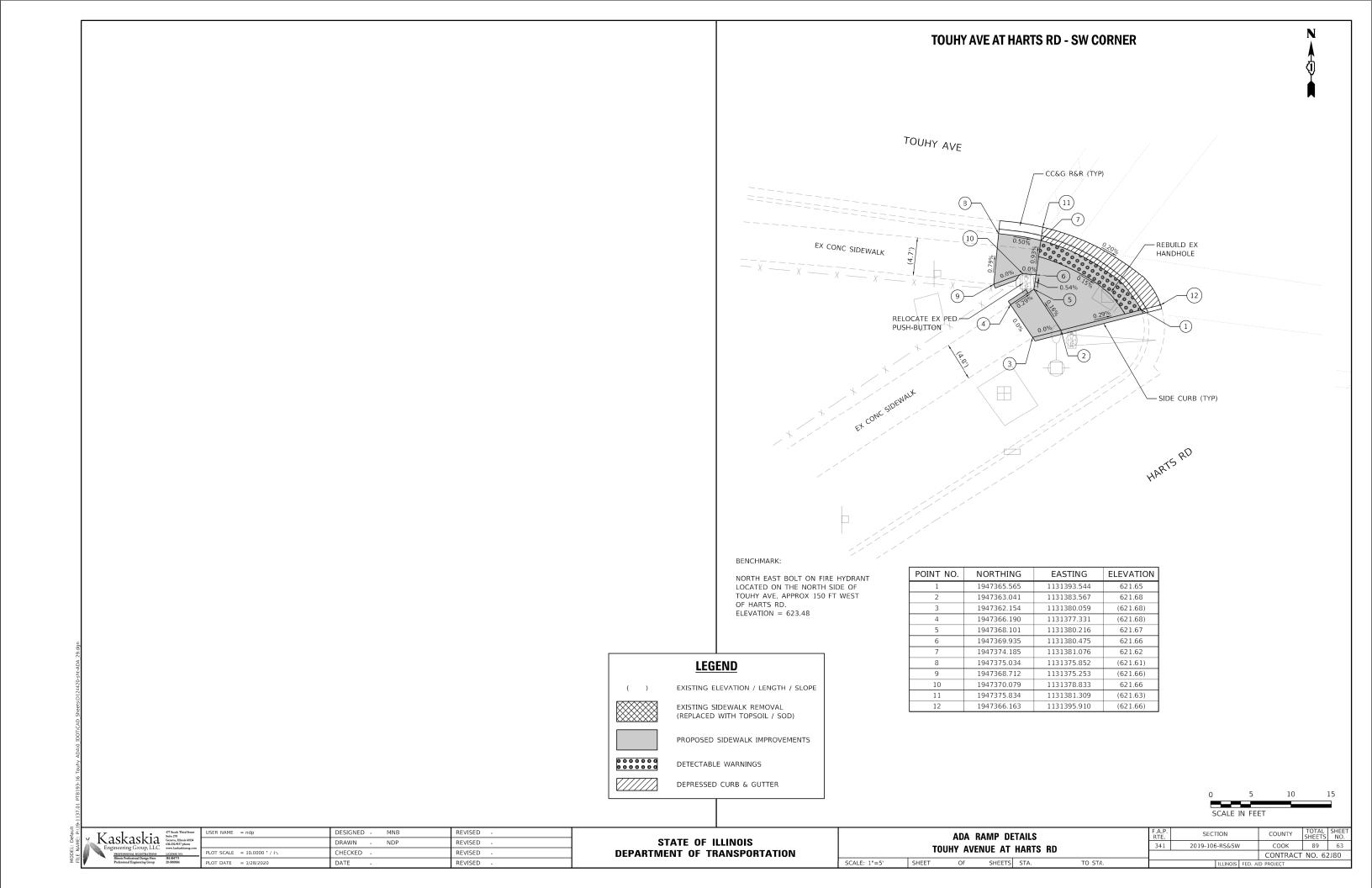
LOCATED IN THE SOUTH WEST CORNER OF TOUHY AND MILWAUKEE. ELEVATION = 627.97

NORTH CONC BASE OF TRAFFIC SIGNAL

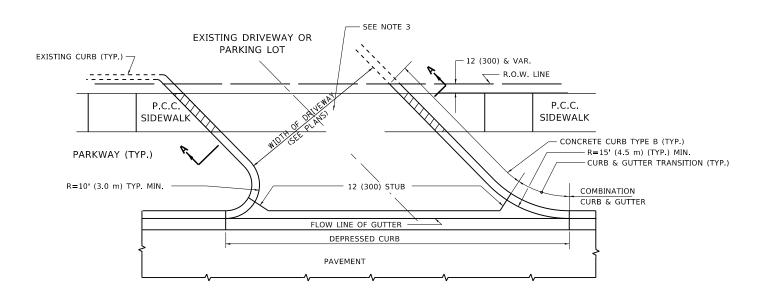
STANDARD SPECIFICATIONS.

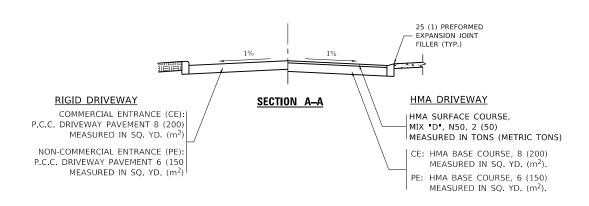
BENCHMARK:



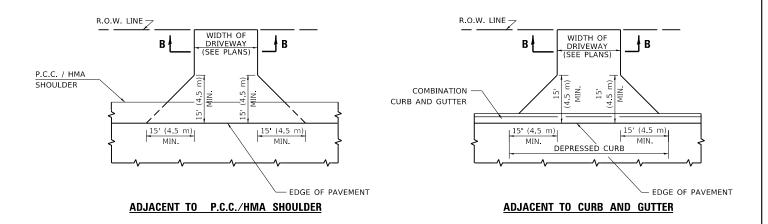


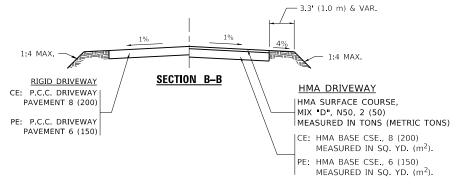
WITH CONCRETE CURB, TYPE B





WITH CONCRETE CURB, TYPE B





DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".

**GENERAL NOTES:** 

DRIVEWAY WITHOUT CURB.

FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS
IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND,
UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

SCALE: NONE

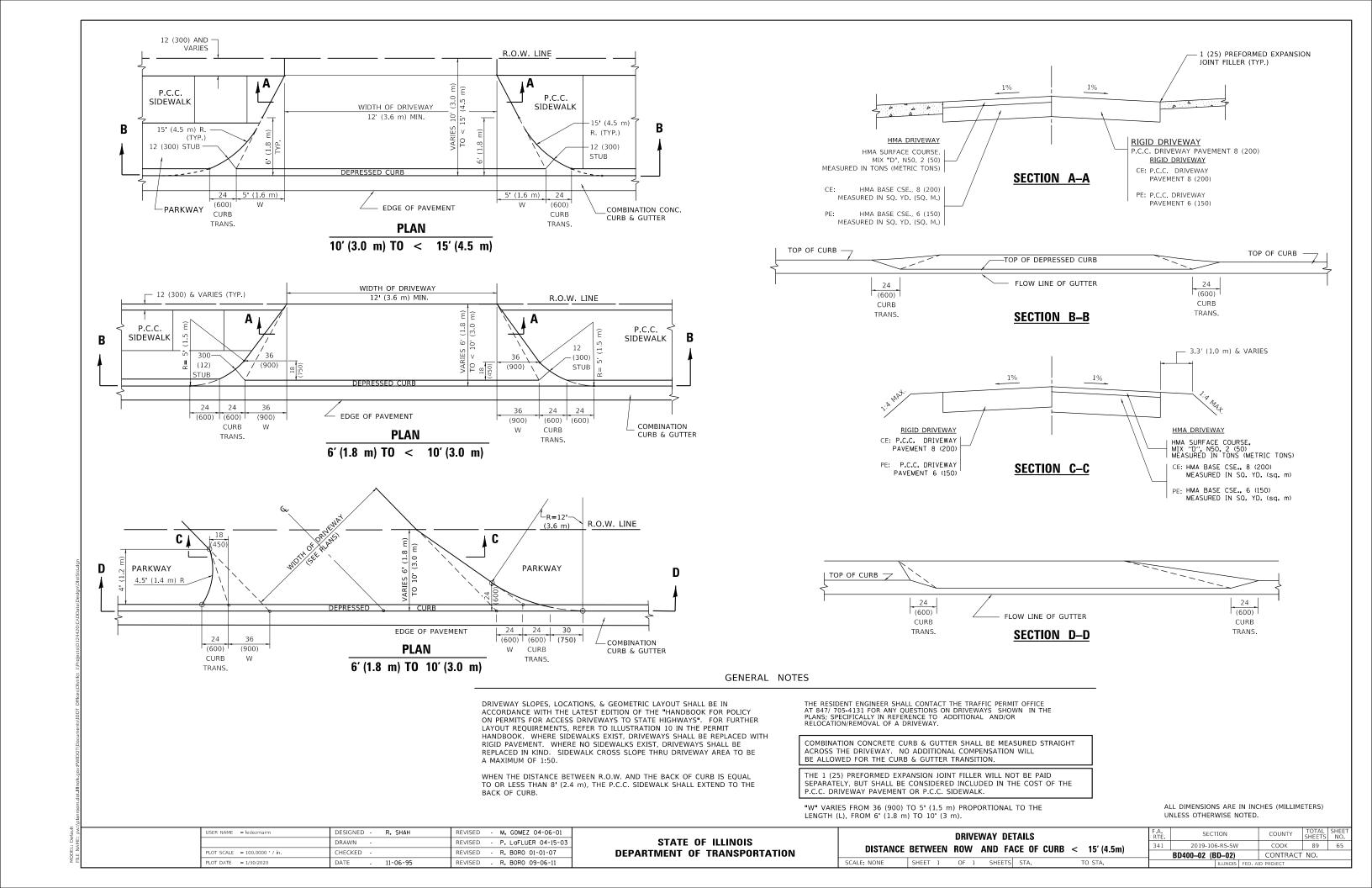
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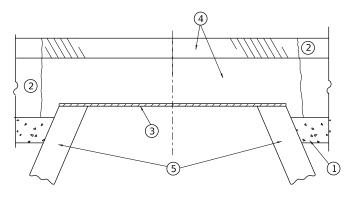
HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

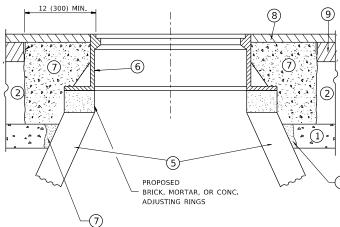
AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD.  $(m^2)$ .

USER NAME = ledezmarm	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED - R. BORO 06-11-08
PLOT DATE = 1/30/2020	DATE - 11-04-95	REVISED - R. BORO 09-06-11

DRI\	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.						F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
VND E	AND FACE OF CURB & EDGE OF SHOULDER > 15'(4.5m)					341	2019-106-RS-SW		СООК	89	64			
AND I	AUL U		טוו	<u> </u>	LDGL OI	SHOOLDLII	<u> </u>		В	D400-01 (BD-01)		CONTRACT	NO.	
ONE	SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED. AID		D PROJECT			







#### 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.

#### **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 1½ (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.
- f \* 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 ENGINERS "

#### **LEGEND**

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

  (5) EXISTING STRUCTURE
- 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.

## DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

 USER NAME
 = ledezmarm
 DESIGNED
 R. SHAH
 REVISED
 R. WEDEMAN 05-14-04

 DRAWN
 REVISED
 R. BORO 01-01-07

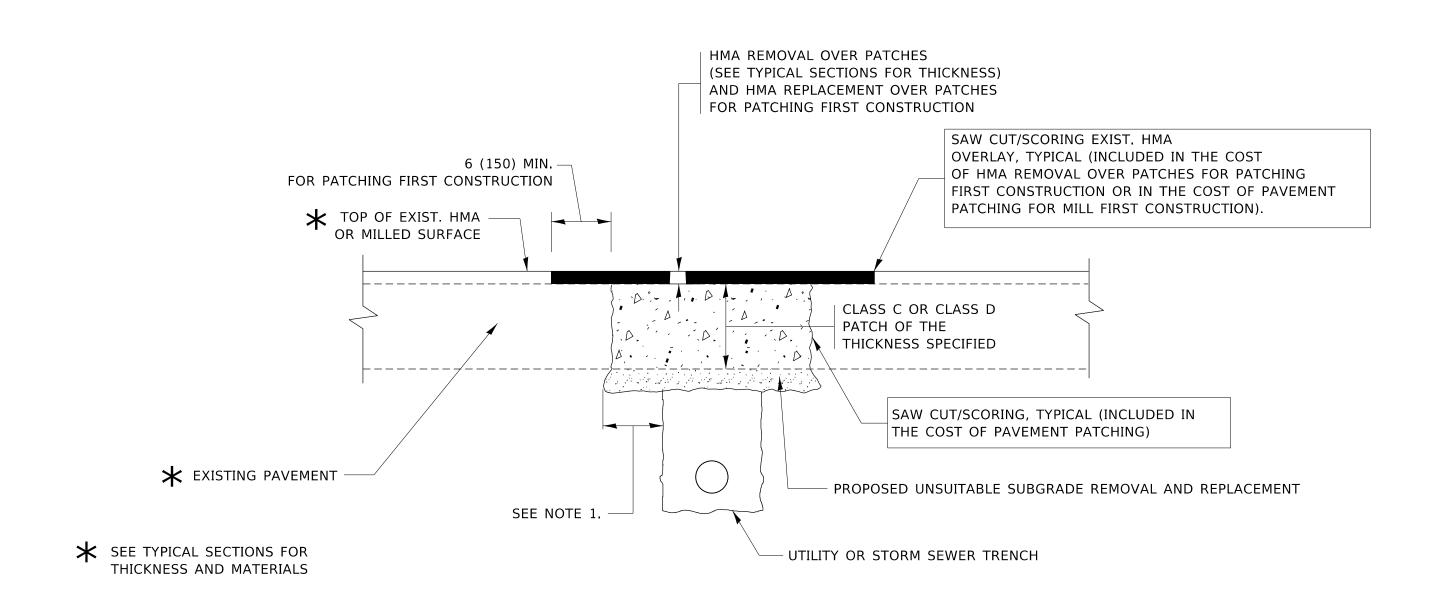
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 CHECKED
 REVISED
 R. BORO 03-09-11

 PLOT DATE
 = 1/30/2020
 DATE
 10-25-94
 REVISED
 R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMES AND LIDS ADJUSTMENT WITH MILLING

SHEET 1 OF 1 SHEETS STA. TO STA.



#### **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)

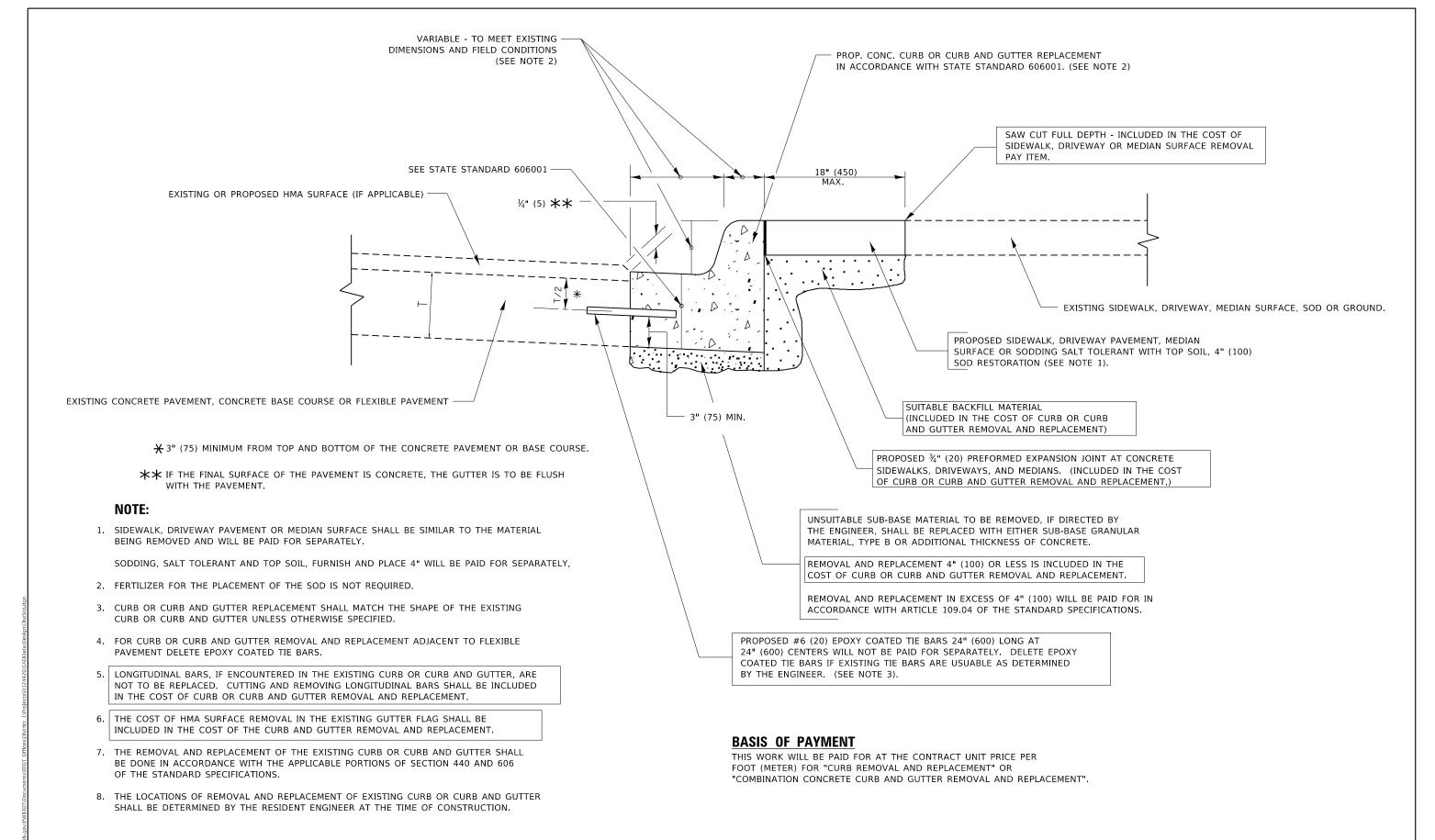
- 1. MILL HMA FIRST IF THERE IS AT LEAST  $4\frac{1}{2}$  INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED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

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

OSEK NAME = ledezillarili	DESIGNED - N. SHAH	KEVISED -	A. ADDAS 04-27-50
	DRAWN -	REVISED -	R. BORO 01-01-07
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	R. BORO 09-04-07
PLOT DATE = 1/30/2020	DATE - 10-25-94	REVISED -	K. ENG 10-27-08

STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

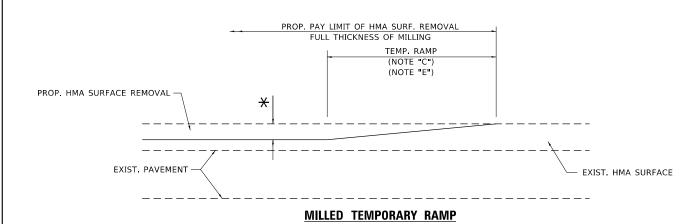
	PAVEMENT PATCHING FOR					F.A.P. RTE	SECTION	COUNTY	COUNTY TOTAL SHEETS			
						341	2019-106-RS-	SW	соок	89	67	
	HMA SURFACED PAVEMENT					BD400-04 (BD-2	2)	CONTRACT	NO. 62	2180		
	SHEET	1	OF 1	SHEETS	STA.	TO STA.		ILLIN	OIS FEI	D. AID PROJECT		



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

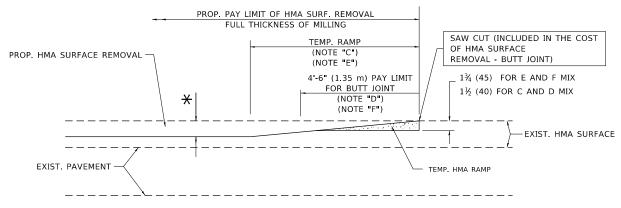
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = ledezmarm	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS		CURB OR CURB AND GUTTER		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - A ABBAS 03-21-97		REMOVAL AND REPLACEMENT				2019-106-RS-SW	соок	89	68
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 01-22-01	DEPARTMENT OF TRANSPORTATION		KEWUVAL AND REPLACEMENT		В	BD600-06 (BD-24)	CONTRACT	T NO. 67	:J80
PLOT DATE = 1/30/2020	DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE	SHEET 1 OF 1 SHEETS STA.	TO STA.		ILLINOIS FED. A	.ID PROJECT		



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

#### OPTION 1

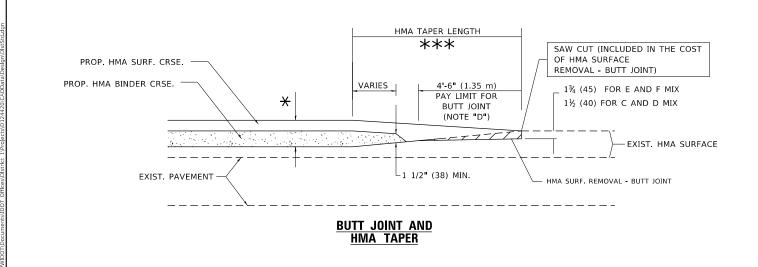


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

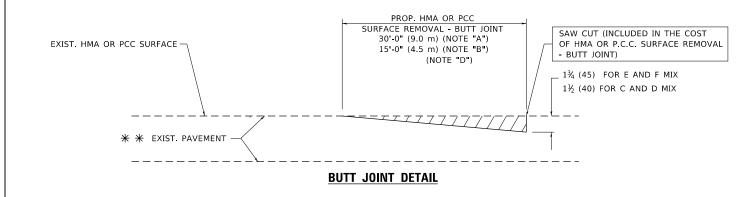
#### OPTION 2

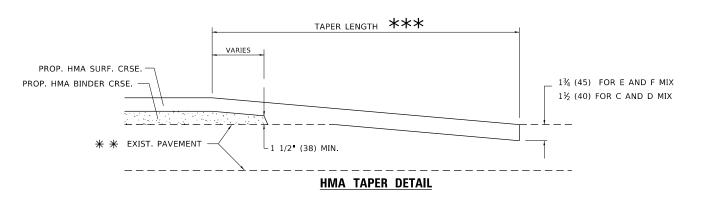
#### TYPICAL TEMPORARY RAMP



# TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





# 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.

  \*\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

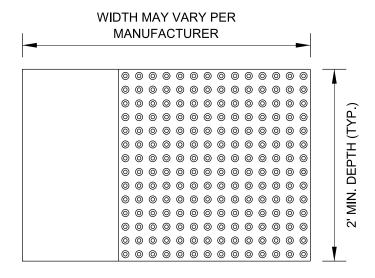
#### **BASIS OF PAYMENT**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL-BUTT JOINT".

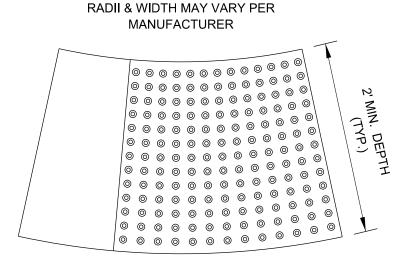
SCALE: NONE

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

#### STRAIGHT DETECTABLE WARNING UNITS



#### RADIAL DETECTABLE WARNING UNITS

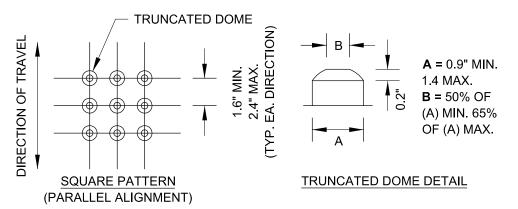


#### **DETECTABLE WARNING UNIT SIZES**

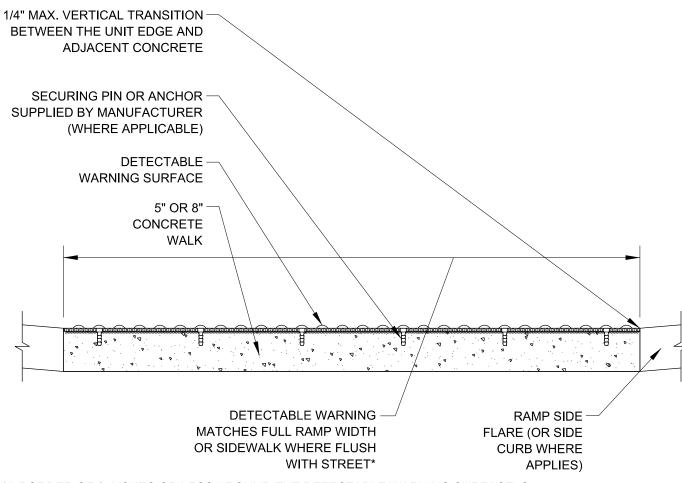
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

#### **GENERAL NOTE:**

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



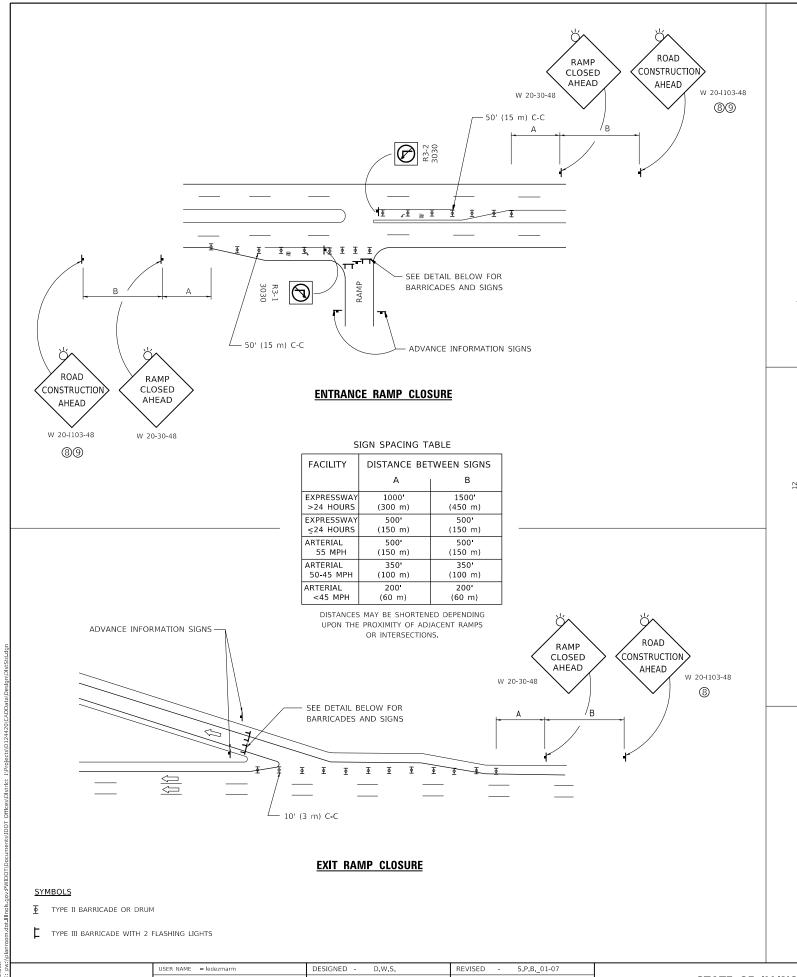
#### **UNIT PATTERN & DOME DETAIL**

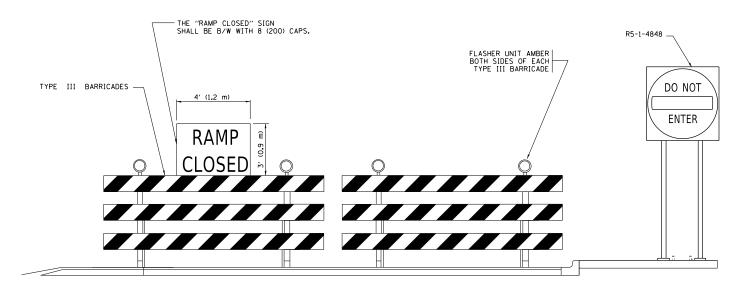


\*A BORDER OF 2 INCHES OR LESS AROUND THE DETECTABLE WARNING SURFACE IS
ACCEPTABLE IF REQUIRED FOR PROPER INSTALLATION OF THE DETECTABLE WARNING SURFACE PRODUCT

#### **DETECTABLE WARNING UNIT SECTION**

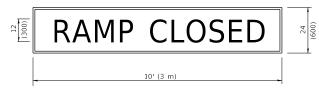
USER NAME = ledezmarm	DESIGNED -	REVISED -		CITY OF CHICAGO		SECTION	COUNTY	TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		341	2019-106-RS-SW	COOK	89 70
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	DETECTABLE WARNINGS		BD 58	CONTRACT	NO. 62J80
PLOT DATE = 1/30/2020	DATE - 06-20-2017	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. A	ID PROJECT	





**DETAIL FOR REQUIRED BARRICADES & SIGNS** 

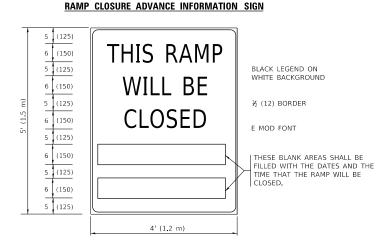
#### RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE

BACKGROUND MOUNTED DIAGONALLY E MOD FONT 1 (25) BORDER

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



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

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

#### GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- (2) VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
- 4 ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

SCALE: NONE

- 6 AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- (8) ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

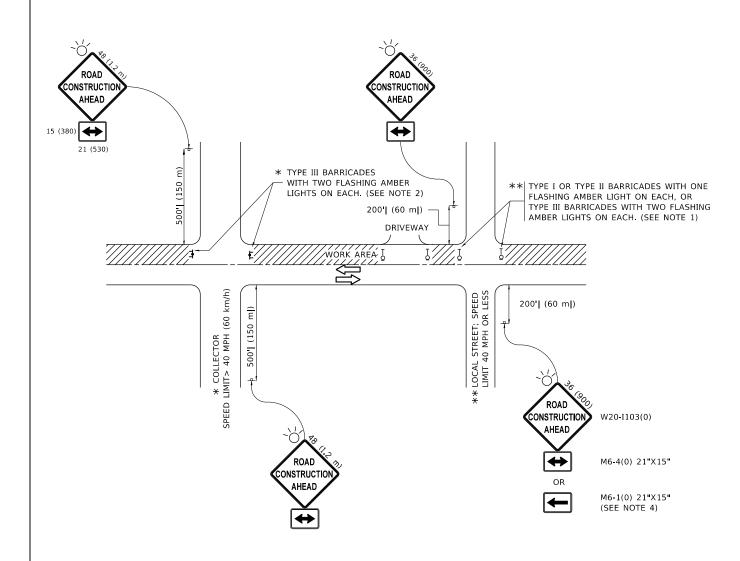
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

DRAWN REVISED S.P.B. 12-09 HECKED REVISED M.D.\_06-13 PLOT DATE = 1/30/2020 DATE M.D. 01-18 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

ENTRANCE\_AND\_EXIT\_RAMP **CLOSURE DETAILS** OF 1 SHEETS STA SHEET 1 TO STA.

SECTION COUNTY 341 2019-106-RS-SW COOK 89 71 CONTRACT NO. 62J80



#### 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.
- THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
  b) 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
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
  4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL
  BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

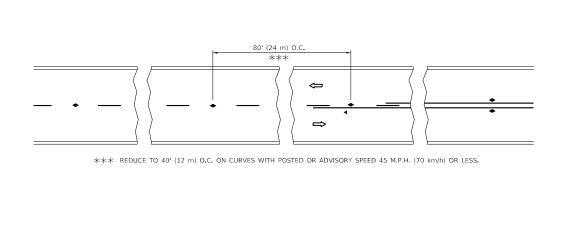
- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

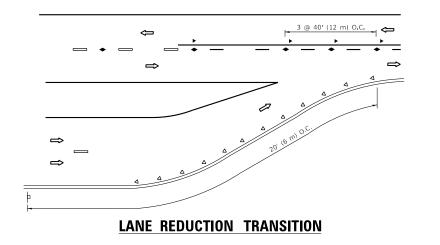
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = ledezmarm	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 1/30/2020	DATE - 06-89	REVISED A SCHUETZE 09-15-16

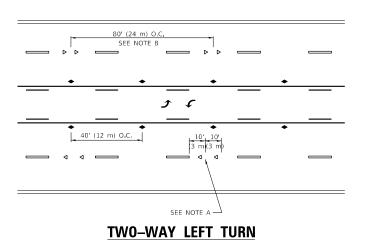
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS									
SCALE: NONE	SHEET	1	OF	1	SHEETS	STA.	TO STA.		

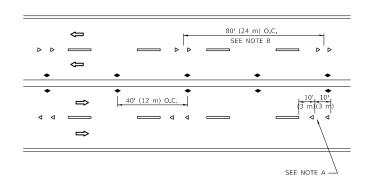


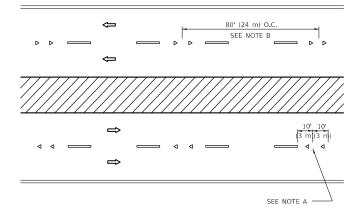


SEE FIGURE 3B-14 MUTCD



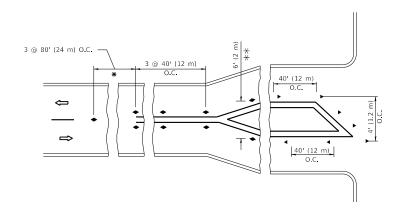
#### TWO-LANE/TWO-WAY

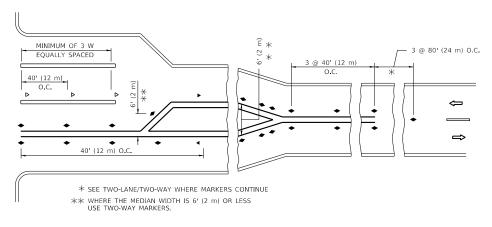




#### MULTI-LANE/UNDIVIDED







#### **TURN LANES**

#### **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.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
- 4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

#### 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.
- 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.

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

 USER NAME
 = ledezmarm
 DESIGNED
 REVISED
 - T. RAMMACHER 03-12-99

 DRAWN
 REVISED
 - T. RAMMACHER 01-06-00

 PLOT SCALE
 = 100,0000 ° / in.
 CHECKED
 REVISED
 C, JUCIUS 09-09-09

 PLOT DATE
 = 1/30/2020
 DATE
 REVISED
 C, JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS

RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

**SYMBOLS** 

ONE-WAY AMBER MARKER

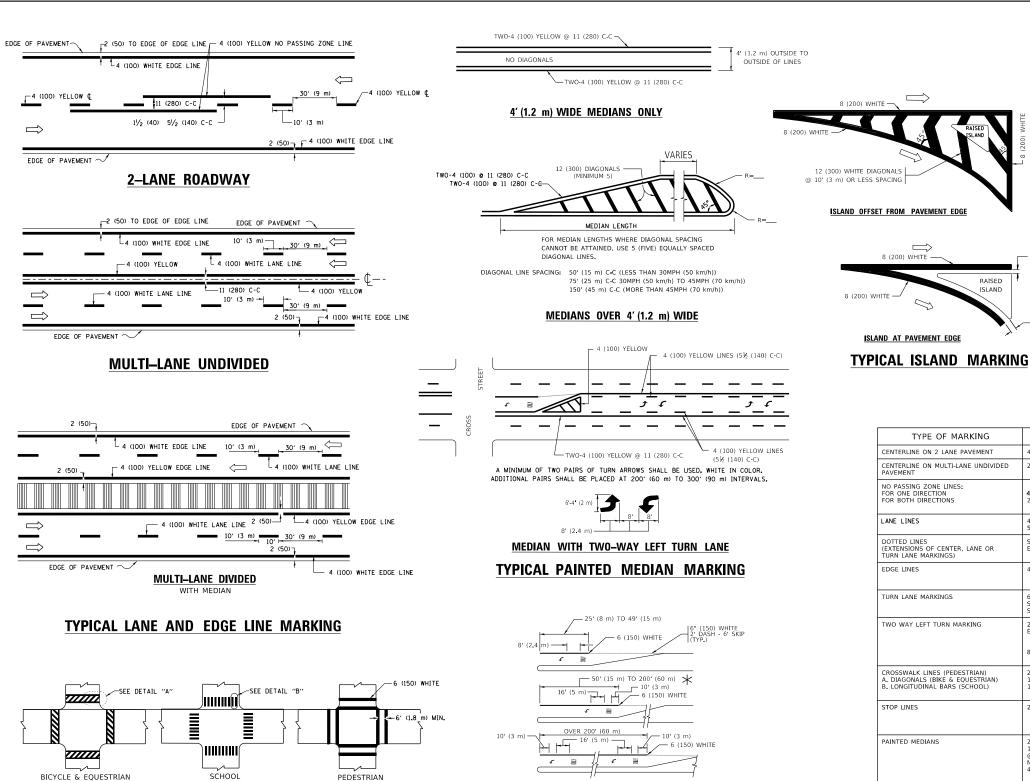
TWO-WAY AMBER MARKER

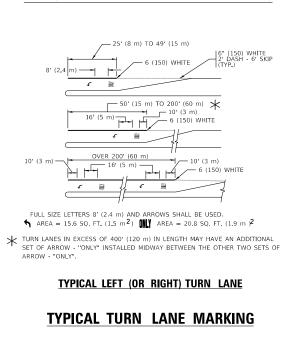
ONE-WAY CRYSTAL MARKER (W/O)

- YELLOW STRIPE

■ WHITE STRIPE

ANE LINE MARKERS SHALL BE USED





D(FT) SPEED LIMIT 665 50 55 **COMBINATION** LEFT AND U-TURN 5'-4" (1620) √ 32 R (810) LANE REDUCTION TRANSITION \* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	10 (3 m) LINE WITH 30 (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (500) APART 5EE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m PEACH "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

**U\_TURN** 

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

SCALE: NONE

8 (200) WHITE -

RAISED

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

USER NAME = ledezmarm	DESIGNED -	EVERS	REVISED	-	C. JUCIUS 09-09-09
	DRAWN -		REVISED	-	C. JUCIUS 07-01-13
PLOT SCALE = 100.0000 / in.	CHECKED -		REVISED	-	C. JUCIUS 12-21-15
PLOT DATE = 1/30/2020	DATE -	03-19-90	REVISED	_	C. JUCIUS 04-12-16

2' (600)

DETAIL "B"

12 (300) WHITE

-6 (150) WHITE

TYPICAL CROSSWALK MARKING

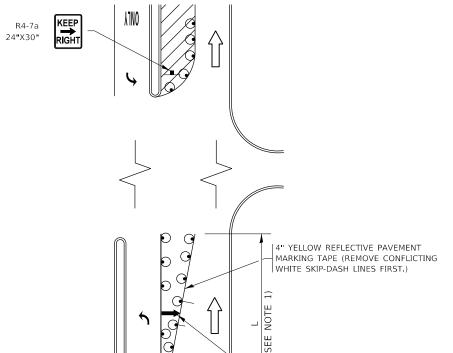
 $m{\star}$  MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

DETAIL "A"

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

DISTRICT ONE		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		341	2019-106-RS-SW	соок	89	74
TITIOAL TAVEIVILIVE IVIAHRIIVUS			TC-13	CONTRACT	NO. 62	2180
SHEET 1 OF 2 SHEETS STA	TO STA.		ILLINOIS EED A	ID PROJECT		

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

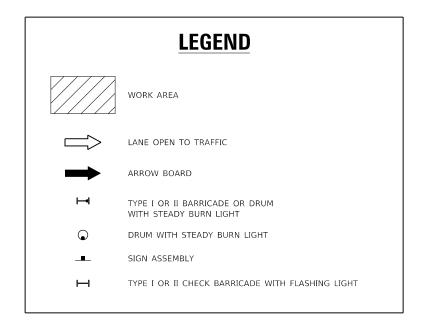


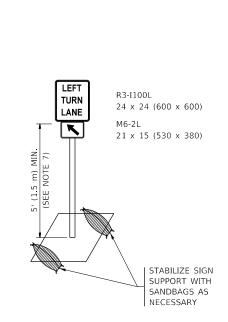
- ARROW BOARD

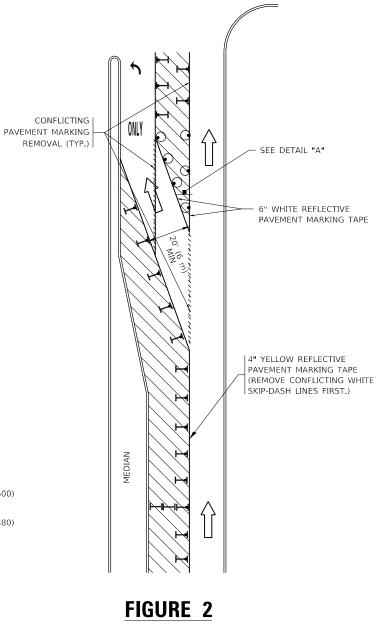
#### NOTES:

- 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.
- 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-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREOUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE







**DETAIL A** 

SCALE: NONE

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

#### 

FIGURE 1

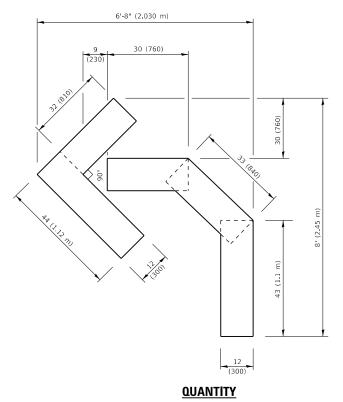
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFE	IC CONTI	ROL AND	PROTEC	TION AT T	URN BAYS	F.A.P. RTE	SEC <sup>-</sup>	ПОИ	COUNTY	Š
	(TO	REMAIN	OPEN 1	(O TRAFFIC)	Ì	341	2019-10	5-RS-SW	COOK	Γ
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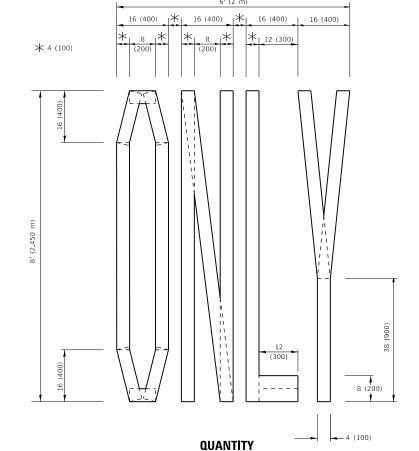
TELESTIDO OTTERSTOLISTICE TATOPECIS/DIZ##ZOCADO

SEE DETAIL "A"

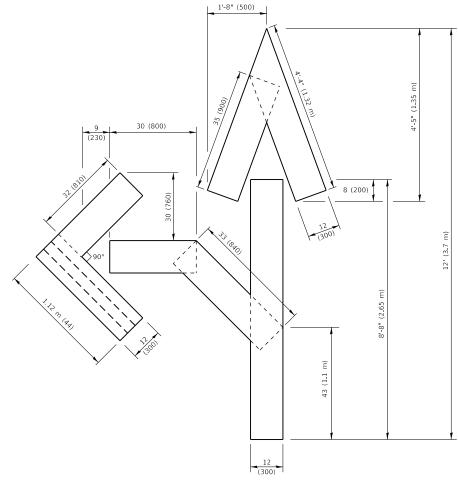
MODEL: Default



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



4 (100) LINE = 64.1 ft. (19.5 m)

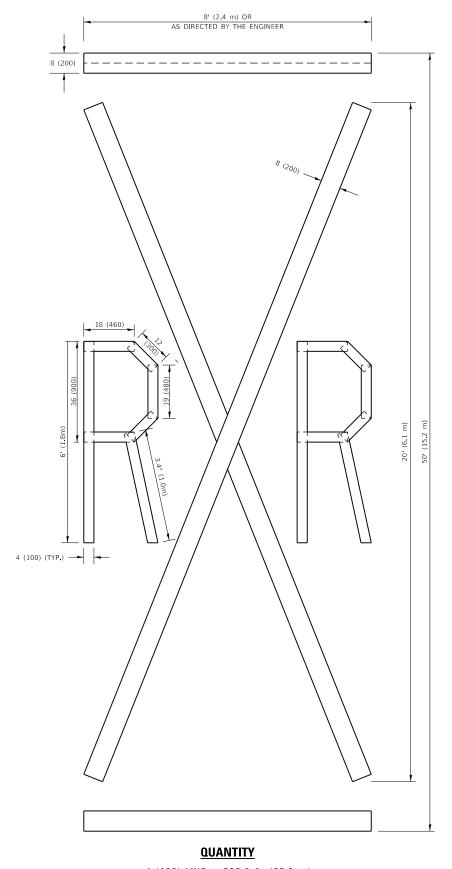


#### QUANTITY

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.



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.

21.4 sq. ft. (1.99 sq. m)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

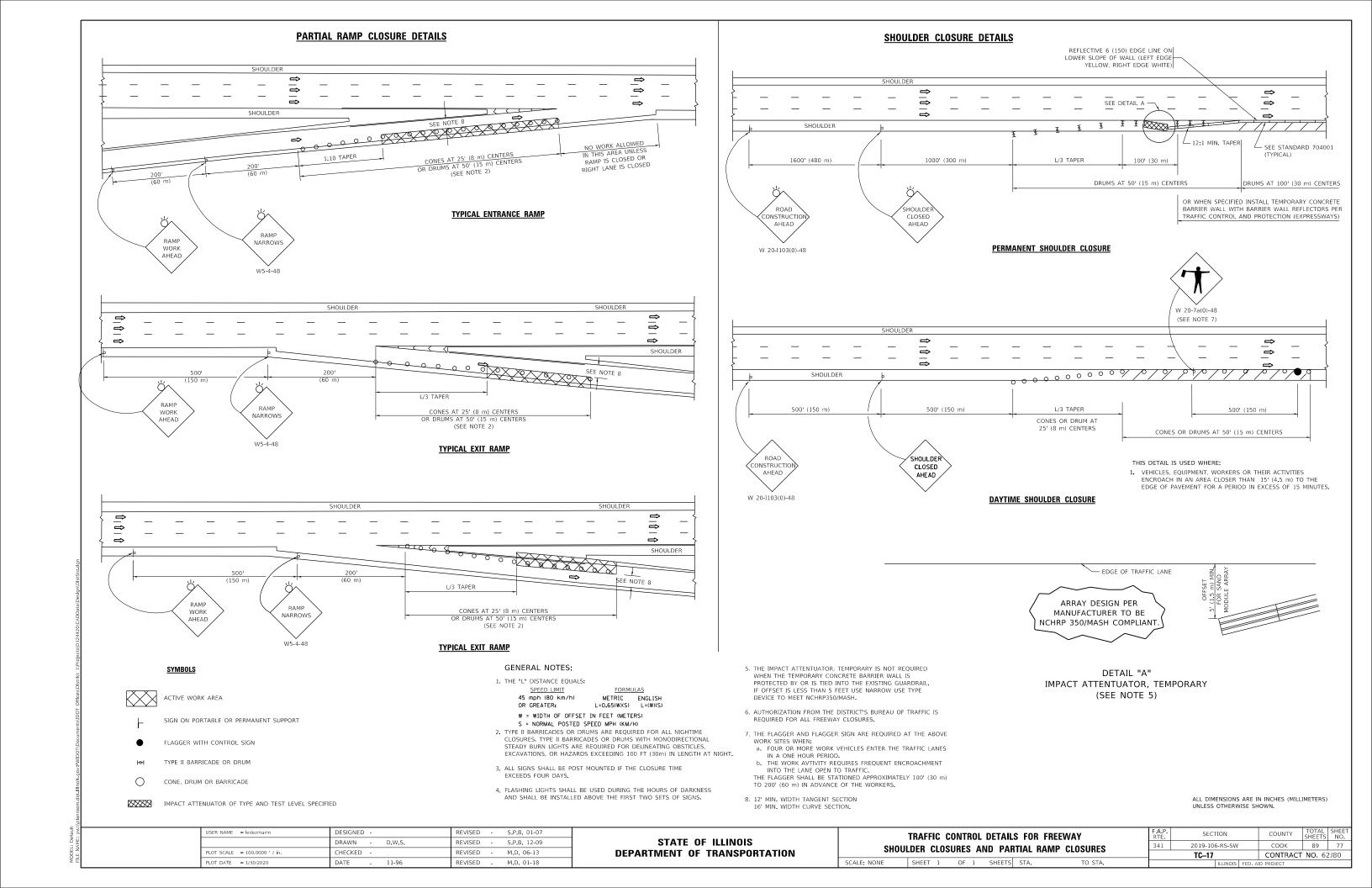
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

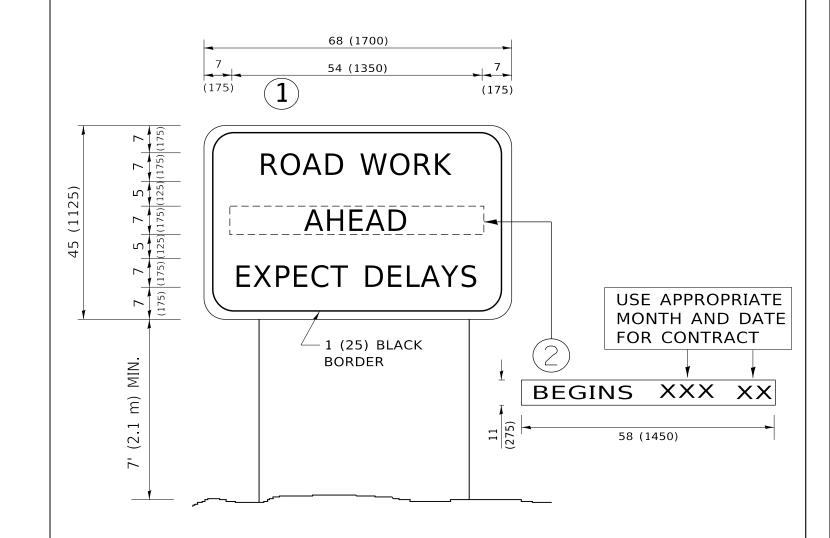
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

 
 F.A.P. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS NO.

 341
 2019-106-RS-SW
 COOK
 89
 76

 TC-16
 CONTRACT
 NO.
 62J80





#### 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.

SHEET 1

6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)

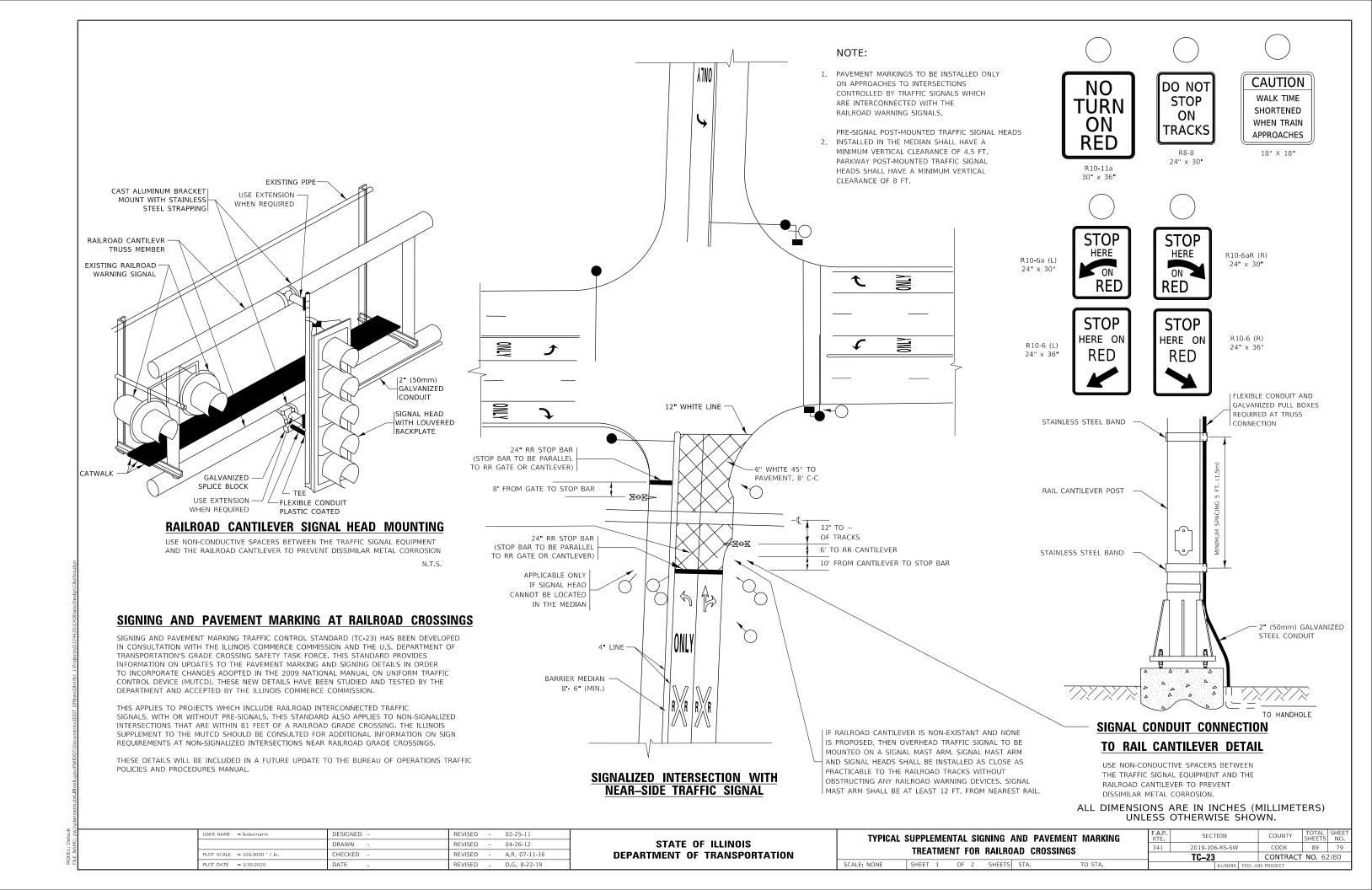
SCALE: NONE

7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

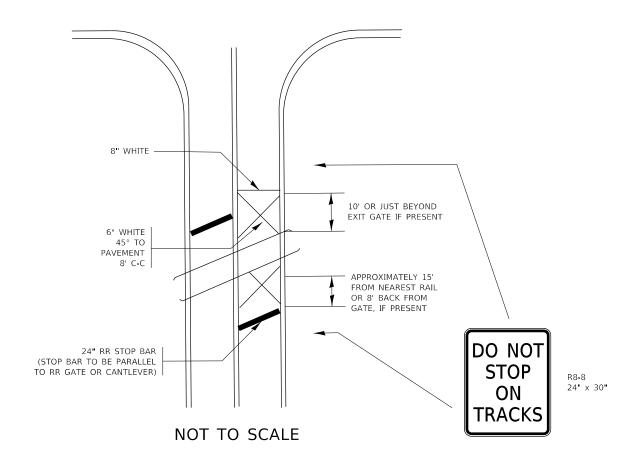
USER NAME = ledezmarm	DESIGNED -	REVISED	- R. MIRS 09-15-97
	DRAWN -	REVISED	- R. MIRS 12-11-97
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	-T. RAMMACHER 02-02-99
PLOT DATE = 1/30/2020	DATE -	REVISED	- C. JUCIUS 01-31-07

ARTE	RIAL RO	AD		F.A.P. RTE	SEC	TION		COUNTY	TOTAL SHEET:	
INFORMATION SIGN		SIGN		341	2019-10	6-RS-SW		соок	89	
IIVI OIII	IAIIUN	JIUN			TC-22			CONTRACT	NO. 6	5.
OF 1	SHEETS	STA.	TO STA.			ILLINOIS	FED. A	ID PROJECT		_



# TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

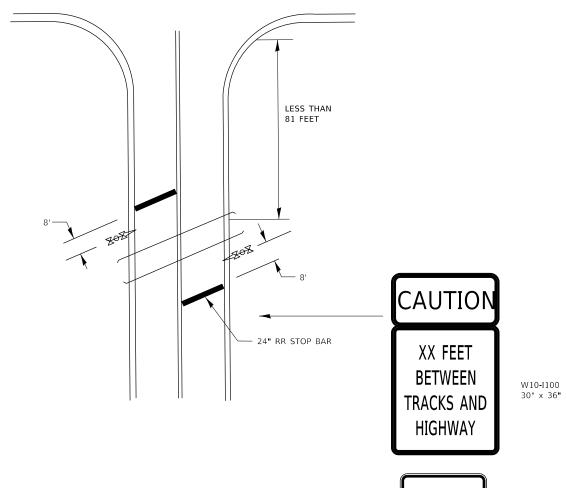
#### WITH SIGNALIZED INTERSECTION



#### NOTE:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- 2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION. (SEE DETAIL FOR PRE-SIGNALS).

## WITH NON-SIGNALIZED INTERSECTION 81' OR LESS TO CLOSEST RAIL



#### NOTE:

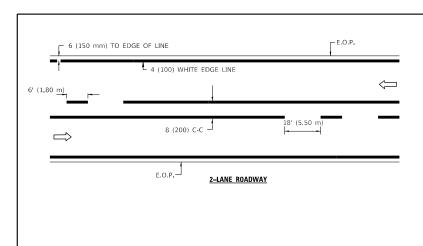
- 1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- 2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKING EXTEND TO THE INTERSECTION.

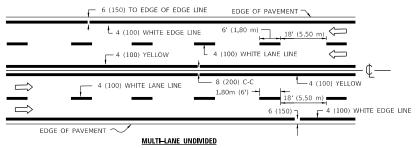
DO NOT STOP ON TRACKS

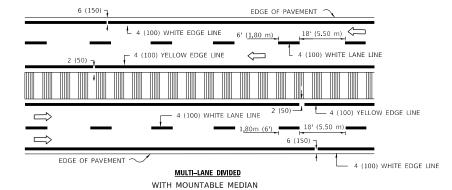
R8-8 24" x 30"

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

USER NAME = ledezmarm	DESIGNED -	REVISED -		TYPICAL	SUPPLEME	NTAL S	IGNING	AND PAVEN	IENT MARKING	F.A.P. RTE	SECTION	COUNTY	TOTAL	SHEET NO.
	DRAWN -	REVISED -	STATE OF ILLINOIS	11110/12				DAD CROSSI		341	2019-106-RS-SW	соок	89	80
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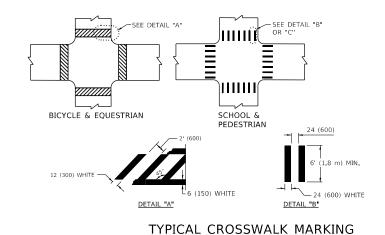


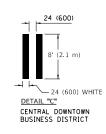


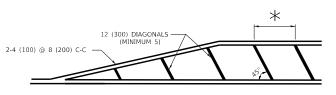


#### TYPICAL LANE AND EDGE LINE MARKING

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

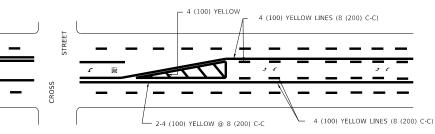




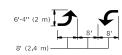


- \* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
- \* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

#### PAINTED MEDIANS

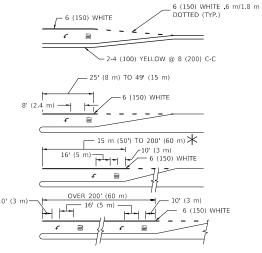


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

#### TYPICAL PAINTED MEDIAN MARKING

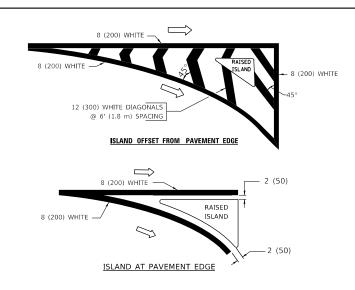


FULL SIZE LETTERS 8 (2.4 m) AND ARROWS SHALL BE USED.  $\P$  AREA = 15.8 SQ. FT. (1.47 m²)  $\P$  AREA = 22.9 SQ. FT. (2.13 m²)

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



#### **TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4 m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) 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: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R":3.6 SO. FT. (0.33m <sup>2</sup> ) EACH "X":54.0 SO. FT. (5.0 m <sup>2</sup> )

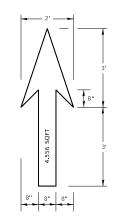
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

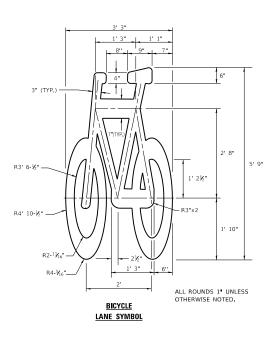
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = ledezmarm	DESIGNED -	REVISED	-T. RAMMACHER 12-07-0
	DRAWN -	REVISED	- K. ENG 02-28-12
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED	-
PLOT DATE = 1/30/2020	DATE -	REVISED	_

#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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	TVDI	CVI	DΛV	EMENT	MARKINGS	2	341	2019-106-RS-SW	соок	89	81
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SCALE: NONE	SHEET 1	OF	3	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		

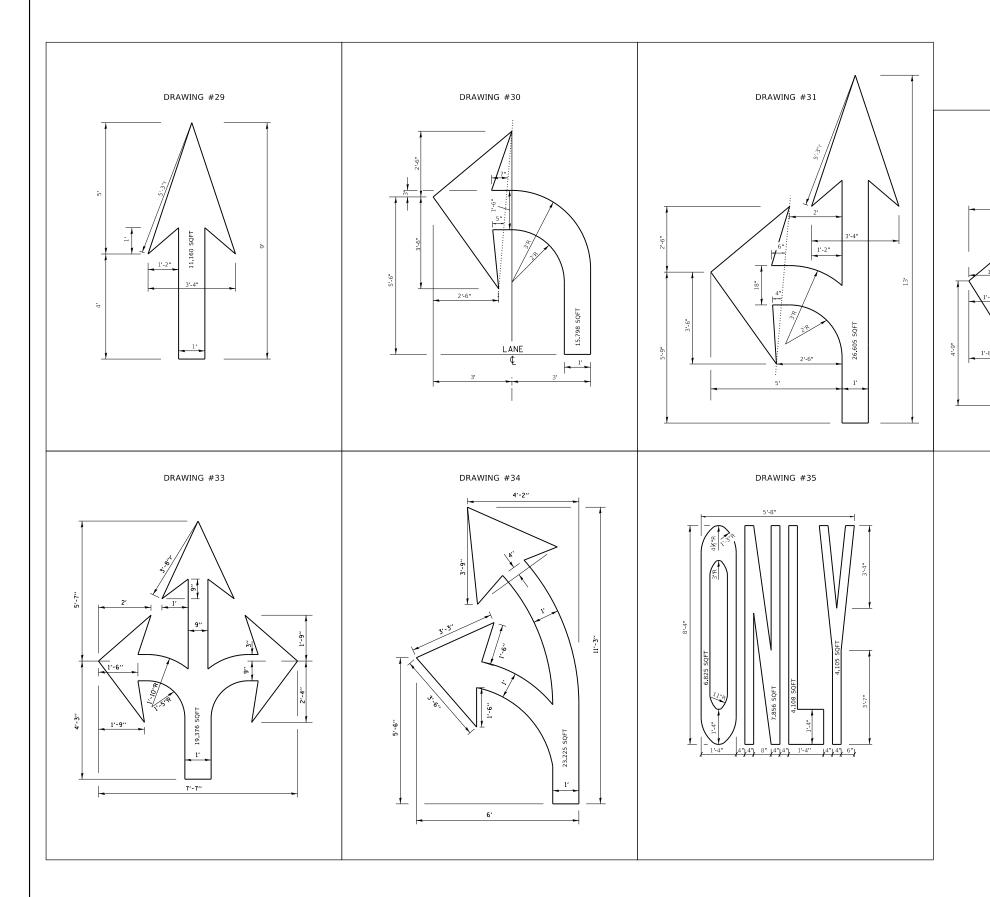




#### NOTE:

- 1. FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
- 2. THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS DRAWING #28



NOTE:

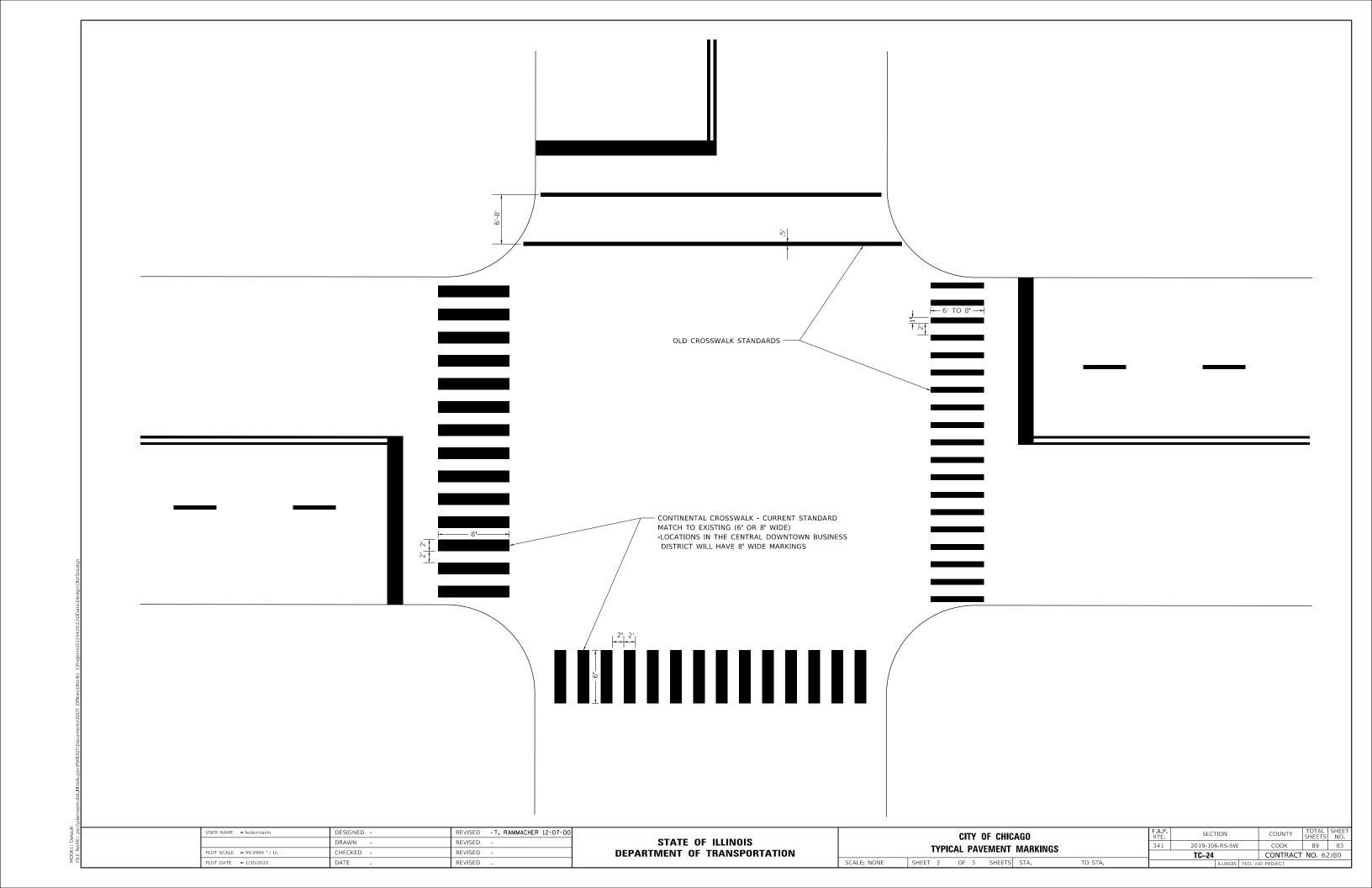
ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

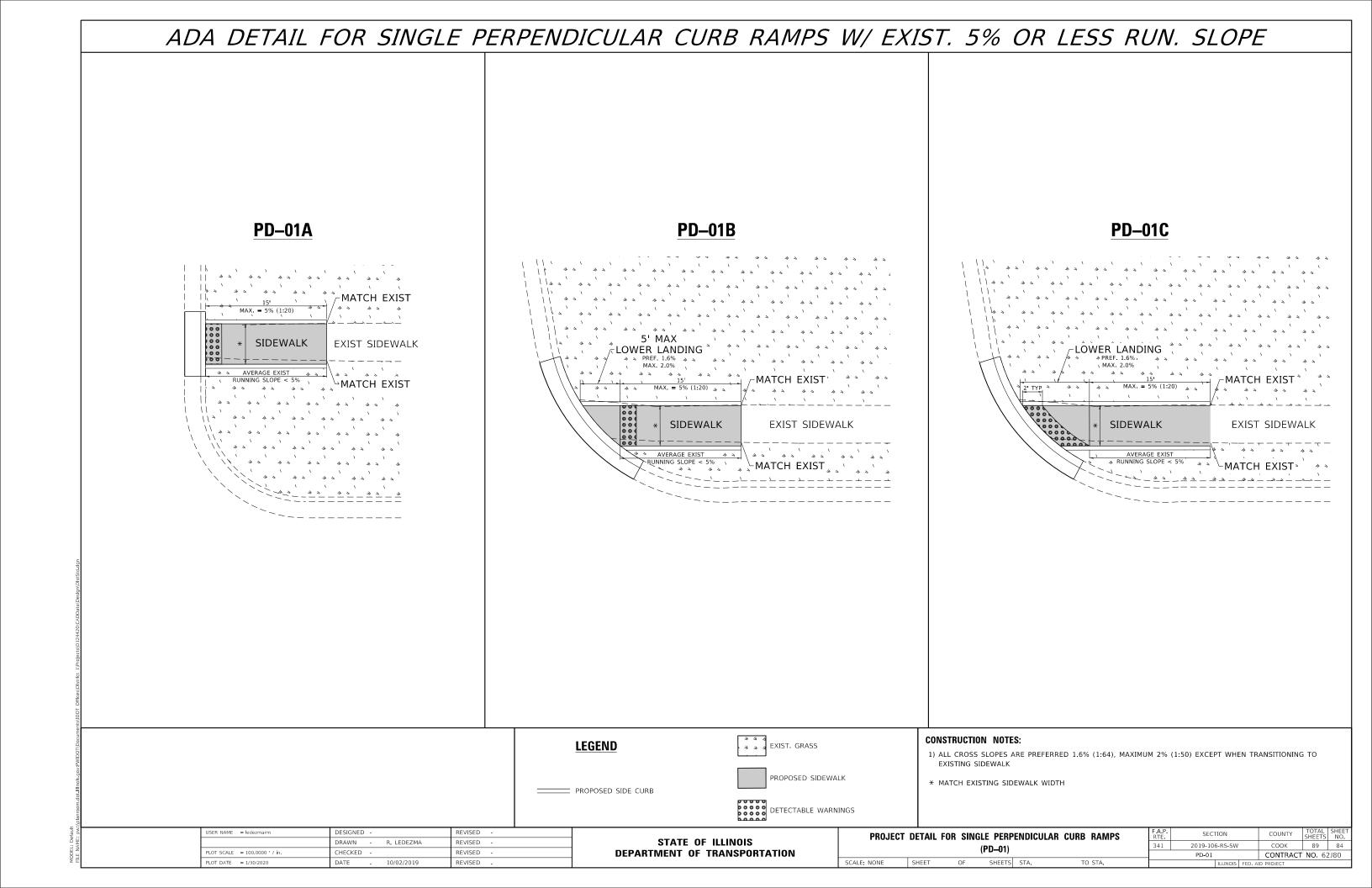
DRAWING #32

USER NAME = ledezmarm	DESIGNED -	REVISED -T. RAMMACHER 12-07-00
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 1/30/2020	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

		CITY	OF CHIC	AGO		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	
	TVD	ICAL PA			2	341	2019-106-RS-SW	соок	89	82
		IUAL I A	LIVILIAI	WAIKING		TC-24	CONTRAC	T NO. 67	2180	
SCALE: NONE	SHEET 2	OF 3	SHEETS		ILLINOIS FED. A	ID PROJECT				



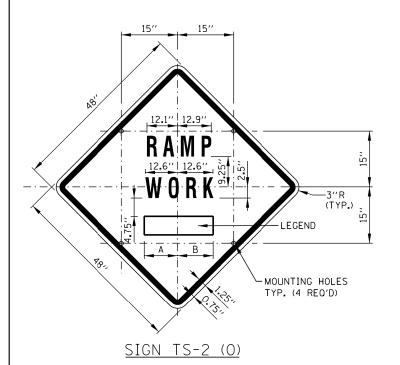


#### ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE **PD-02A** » PREFERRED < 8.3% MAX. ANY SLOPE | | > > PREFERRED = 7.1% (1:14) | PREF. 1.6% | MAX. = 8.3% (1:12) | MAX. 2.0% \* CURB RAMP TRANSITION EXIST SIDEWALK MATCH EXIST **PD-02C** FMATCH EXIST **PD-02B** PREF. 1.6% PREFERRED < 8.3% MAX. 2.0% MAX. ANY SLOPE CURB RAMP TRANSITION EXIST SIDEWALK MATCH EXIST , PREFERRED = 7.1% (1:14) MAX. = 8.3% (1:12) PREF. 1.6% MAX. 2.0% EXIST SIDEWALK \* CURB RAMP TRANSITION AVERAGE EXIST RUNNING SLOPE ≥ 5% LANDING MATCH EXIST **CONSTRUCTION NOTES:** a a a EXIST. GRASS **LEGEND** 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO PROPOSED SIDEWALK \* MATCH EXISTING SIDEWALK WIDTH = PROPOSED SIDE CURB DETECTABLE WARNINGS JSER NAME = ledezmarm DESIGNED -REVISED PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS STATE OF ILLINOIS DRAWN -R. LEDEZMA REVISED 2019-106-RS-SW COOK 89 85 REVISED **DEPARTMENT OF TRANSPORTATION** PD-02 CONTRACT NO. 62J80 SHEETS STA.

#### ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS **PD-03A PD-03B** -LOWER LANDING LOWER LANDING CURB RAMP PREFERRED = 7.1% (1:14)LANDSCAPE OR PCC AREA-LANDSCAPE OR PCC AREA LOWER LANDING-LOWER LANDING ° × × ′ × × ′ × × MATCH EXIST » PREF. 1.6% MAX. 2.0% 42 44 44 1 TRANSITION **TRANSITION** EXIST SIDEWALK EXIST SIDEWALK PREFERRED < 8.3% MAX. ANY SLOPE MAX. ANY SLOPE <sup>©</sup>MATCH EXIST 🔭 🗟 $^{igstyle L}$ MATCH EXIST $\mathring{\ \ }$ // CURB RAMP PREFERRED = 7.1% (1:14) MAX. = 8.3% (1:12) CURB RAMP PREFERRED = 7.1% (1:14) MAX. = 8.3% (1:12) 2' MIN GRASS BUFFER 4 MATCH EXIST-MATCH EXIST-⊱MATCH EXIST SIDEWALK $^{ackslash}$ MATCH EXIST SIDEWALK 44 44 EXIST MUST BE EXIST. LANDSCAPED MUST BE EXIST. LANDSCAPED SURFACE. EXIST. CONCRETE SURFACE SURFACE. EXIST. CONCRETE SURFACE WILL REQUIRE DETAILED DESIGN WILL REQUIRE DETAILED DESIGN **CONSTRUCTION NOTES:** a a EXIST. GRASS **LEGEND** 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK PROPOSED SIDEWALK \* MATCH EXISTING SIDEWALK WIDTH ─ PROPOSED SIDE CURB DETECTABLE WARNINGS DESIGNED -REVISED SECTION PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS STATE OF ILLINOIS DRAWN -R. LEDEZMA REVISED 341 2019-106-RS-SW COOK 89 86 HECKED -REVISED **DEPARTMENT OF TRANSPORTATION** PD-03 CONTRACT NO. 62J80 SCALE: NONE LOT DATE = 1/30/2020 SHEETS STA.

#### ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE PD-04A **PD-04B** -LOWER LANDING LOWER LANDING PREF. 1.6% MAX. 2.0% TRANSITION **TRANSITION** EXIST SIDEWALK EXIST SIDEWALK CURB RAMP-CURB RAMP-PREFERRED = 7.1% (1.14)PREFERRED < 8.3% PREFERRED = 7.1% (1:14)MAX. ANY SLOPE 15 <sup>©</sup>MATCH EXIST <sup>°</sup>, ិMATCH EXIST ំ 3 3 3 3 MATCH EXIST MATCH EXIST ⊢MATCH EXIST EXIST SIDEWALK **⊢MATCH EXIST** EXIST SIDEWALK MAICH EXIST? a a a EXIST. GRASS **CONSTRUCTION NOTES: LEGEND** 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK PROPOSED SIDEWALK \* MATCH EXISTING SIDEWALK WIDTH ─ PROPOSED SIDE CURB DETECTABLE WARNINGS DESIGNED -REVISED PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH STATE OF ILLINOIS DRAWN -R. LEDEZMA REVISED 2019-106-RS-SW COOK 89 87 TURNING SPACE (PD-04) HECKED -REVISED **DEPARTMENT OF TRANSPORTATION** PD-04 CONTRACT NO. 62J80 SCALE: NONE

#### ADA DETAIL FOR DEPRESSED CORNER CURB RAMPS **PD-05A PD-05B** DEPR. CORN' PREF. MAX CURB RAMP TRANSITION EXIST SIDEWALK ¬MATCH EXIST » PREFERRED < 8.3% MAX. ANY SLOPE DEPR. CORNER PREF. 1.6% SIDEWALK EXIST SIDEWALK -MATCH EXIST CURB $\vec{\gamma}_{_{\omega}}^{\perp}$ MATCH EXIST $^{^{\circ}}$ PREF. LANDING-MATCH EXIST -MATCH EXIST EXIST SIDEWALK MUST BE EXIST. LANDSCAPED SURFACE. EXIST. CONCRETE SURFACE MUST BE EXIST. LANDSCAPED WILL REQUIRE DETAILED DESIGN SURFACE. EXIST. CONCRETE SURFACE MATCH EXIST ∑ MATCH EXIST WILL REQUIRE DETAILED DESIGN | | 4 4 4 4 4 4 1 **CONSTRUCTION NOTES:** 3 3 3 3 3 EXIST. GRASS **LEGEND** 1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO PROPOSED SIDEWALK \* MATCH EXISTING SIDEWALK WIDTH ─ PROPOSED SIDE CURB DETECTABLE WARNINGS REVISED PROJECT DETAIL FOR DEPRESSED CORNER CURB RAMPS STATE OF ILLINOIS DRAWN -R. LEDEZMA REVISED 2019-106-RS-SW COOK 89 88 HECKED -REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 62J80 PD-05 SCALE: NONE SHEET



#### SIGN NO. LEGEND AHEAD 15.50" 15.50" TS-24 500 FT 14.25" 15.13" TS-2B 1000 FT 14.88" L2 15.75" L2 TS-2C 14.88" L2 15.75" L2 TS-2D 1500 FT 1/2 MILE 15.75" <sub>4</sub>3 15.75" L3 TS-2E TS-2F 1 MILE 13.06" 13.06"

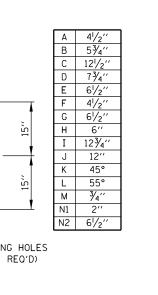
#### A 41/2' B 5¾" C 121/2" D 73/4" E 61/2" $4\frac{1}{2}$ 6<sup>1</sup>/2′ Н 6′′ I 12¾′ J 12'' K 45° 55° L M 3/4" N1 2" N2 61/2" MOUNTING HOLES TYP. (4 REQ'D)

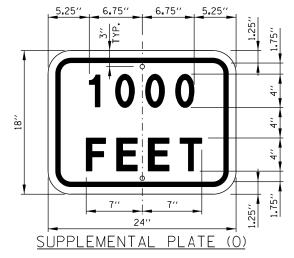
#### SIGN W1-4dR (0)

COLOR: BACKGROUND-FLUORESCENT ORANGE (O) TYPE A REFLECTIVE SHEETING PER STANDARD SPECIFICATIONS (\* A) BORDER AND LETTERS-BLACK

SI7F: 48"×48"

MOUNTING HOLES: 1/6" DIA., 4 HOLES SPACED AS SHOWN.





COLOR: BACKGROUND - FLUCRESCENT ORANGE (O) BORDER AND LETTTERS - BLACK

SIZE: 24"×18"

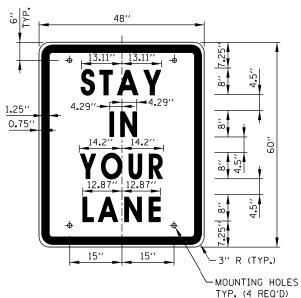
LETTERING: 4" FEDERAL SERIES D

MOUNTING HOLES: 1/6" DIA., 2 HOLES SPACED AS SHOWN

### SIZE: 48"×48" LETTERING: 7" FEDERAL SERIES D MOUNTING HOLES: $\frac{1}{16}$ "DIA., 4 HOLES SPACED AS SHOWN

COLOR: BACKGROUND - FLUORESCENT ORANGE (0)

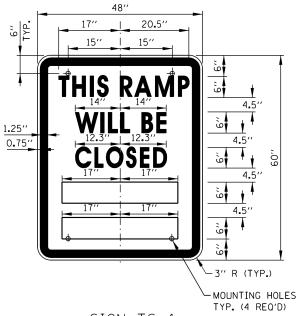
BORDER AND SYMBOL - BLACK



#### SIGN TS-3

COLOR: BACKGROUND - WHITE (REFLECTORIZED) ( \*A) BORDER AND LETTERS - BLACK

LETTERING: LEGEND - 8" FEDERAL SERIES D MOUNTING HOLES:  $\frac{7}{16}$ " DIA., 4 HOLES, SPACED AS SHOWN



#### SIGN TS-4

COLOR: BACKGROUND - WHITE (REFLECTORIZED)( \*A)

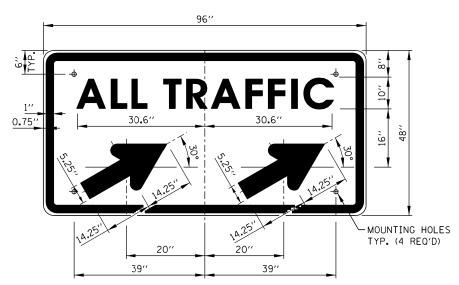
BORDER AND LETTERS - BLACK

SIZE: 48"x60"

LETTERING: LEGEND - 6" FEDERAL SERIES C MOUNTING HOLES:  $\frac{1}{16}$ " DIA., 4 HOLES, SPACED AS SHOWN

#### RAMP CLOSURE ADVANCE INFORMATION SIGN

THE VARIABLE MESSAGE WITH DATES FOR THE BOTTOM TWO LINES SHALL BE DETERMINED BY THE ENGINEER AND GIVEN TO THE CONTRACTOR BEFORE THE REQUIRED FIELD ERECTION DATE.



#### SIGN TS-5a & TS-5b

COLOR: BACKGROUND - WHITE (REFLECTORIZED)( \* A) BORDER AND LETTERS - BLACK

ARROW - BLACK

SIZE: 96"x48" LETTERING: 10" FEDERAL SERIES D

MOUNTING HOLES:  $\frac{7}{6}$ " DIA., 4 HOLES, SPACED AS SHOWN

NOTE: SIGN TS-5a IS SHOWN, SUBSTITUTE

LEGEND "#" FOR "##" FOR SIGN TS-5b

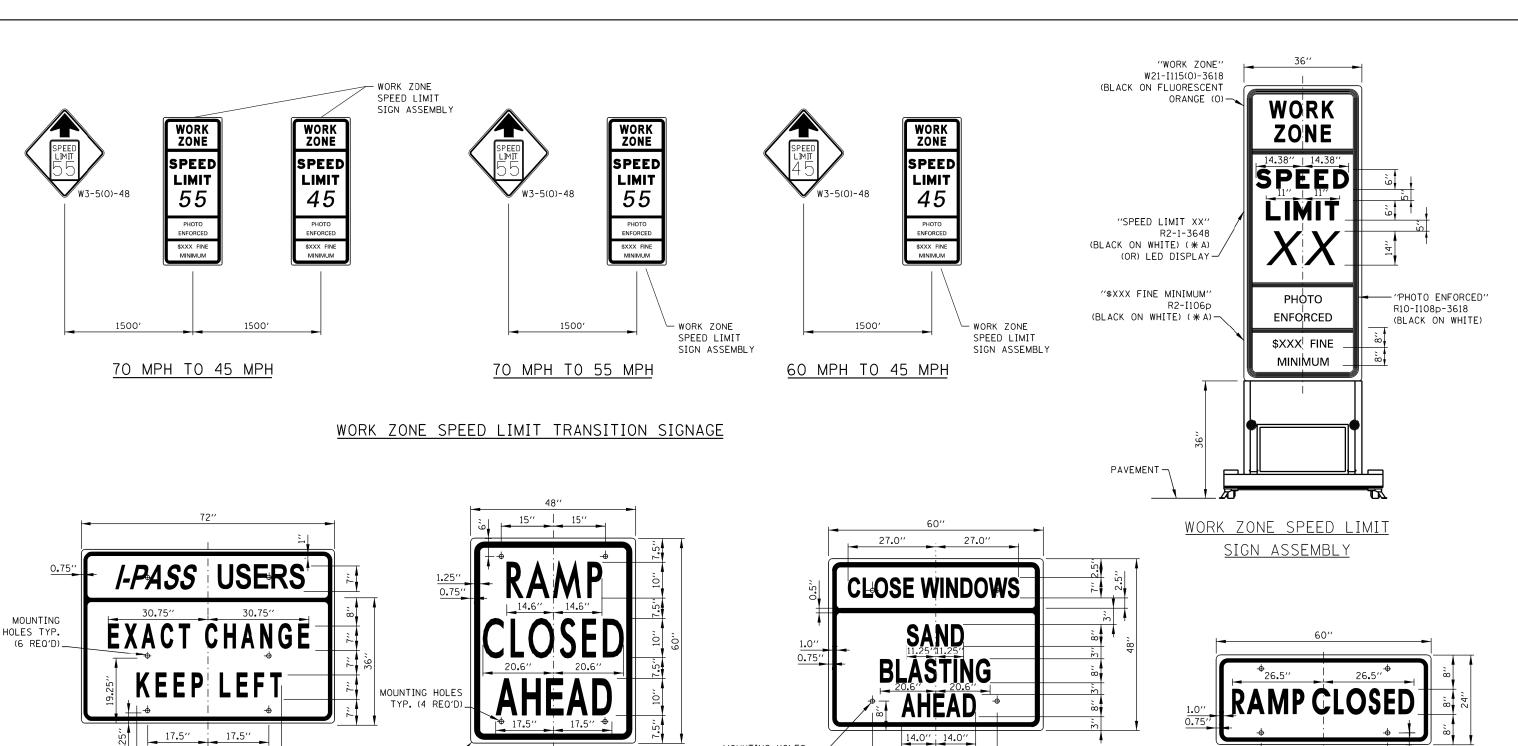
#### NOTES:

- ALL LETTERING IS DESIGNATED BY SIZE AND SERIES IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION. LETTERING SPACING SHALL BE IN ACCORDANCE WITH THIS GUIDE EXCEPT WHERE NOTED.
- 2. SYMBOLS AND ARROWS SHALL CONFORM TO THE DETAILS SHOWN IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" AS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- SEE THE CONTRACT REQUIREMENTS FOR ADDITIONAL NOTES AND SPECIFICATIONS. FLUORESCENT ORANGE REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.
  - (\*A) REFLECTIVE SHEETING PER THE STANDARD SPECIFICATIONS.
- 4. DIMENSIONS INDICATED THUS L ARE BASED ON A REDUCTION IN STANDARD LETTERING SPACING AS SHOWN BELOW:
  - L1 SPACING REDUCED BY 25%
  - L2 SPACING REDUCED BY 40%
  - L3 SPACING REDUCED BY 50%

SHEET 1 OF 2

TS-5b			Illinois Tollway
	DATE	REVISIONS	Jonway
	11-01-12	DELETED SIGN TS-1	
	03-31-14	REVISED FINE SIGN NUMBER AND	
		ADDED LED SPEED LIMIT DISPLAY	CONSTRUCTION SIGNS
	3-11-2015	REVISED NOTES	
	3-31-2017	REVISED END WZSL SIGN COLOR	
	3-01-2019	REMOVED STANDARD IDOT SIGNS,	
		REVISED WZSL ASSEMBLY, ADDED WZSL	STANDARD E1-07
		TRANSITION	STANDARD ET-OT





MOUNTING HOLES

TYP. (4 REQ'D).

SIGN TS-7

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A) BORDER AND LETTTERS - BLACK

21.2"

SIZE: 72"×36"

21.2"

LETTERING: 7" FEDERAL SERIES C MOUNTING HOLES:  $\frac{1}{16}$ " DIA., 4 HOLES SPACED AS SHOWN

#### SIGN TS-9

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A) BORDER AND LETTTERS - BLACK

SIZE: 48"x60"

LETTERING: 10" FEDERAL SERIES C
MOUNTING HOLES: 76" DIA., 4 HOLES SPACED AS SHOWN

#### SIGN TS-10 (0)

28.0" 28.0"

COLOR: BACKGROUND - FLUORESCENT ORANGE (0) BORDER AND LETTTERS - BLACK

SIZE: 60"x48"

LETTERING: 8" FEDERAL SERIES C, 7" FEDERAL SERIES B MOUNTING HOLES: 7/6" DIA., 4 HOLES SPACED AS SHOWN

# 18''

#### SIGN TS-6

COLOR: BACKGROUND - WHITE (REFLECTORIZED) (\* A) BORDER AND LETTTERS - BLACK

SIZE: 60"x24"

LETTERING: 8" FEDERAL SERIES C

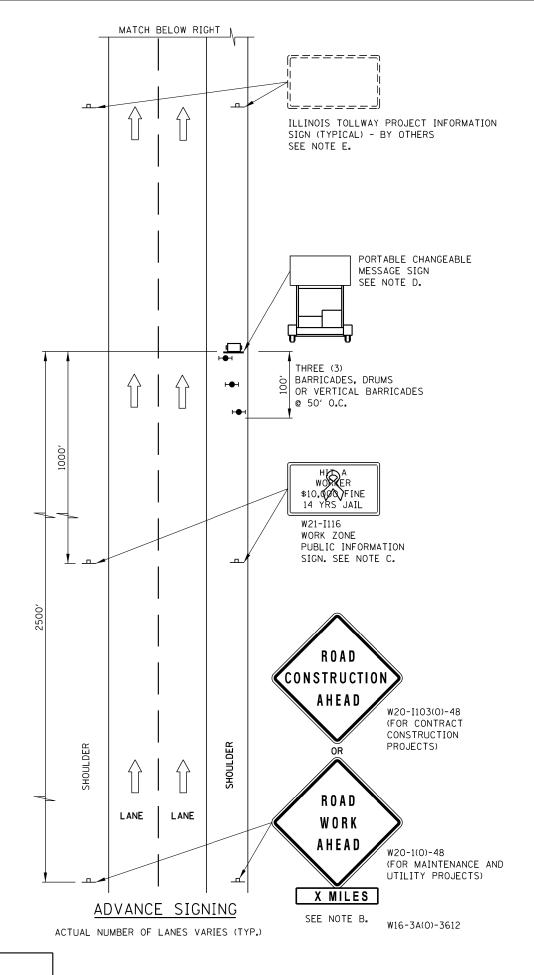
MOUNTING HOLES: 16" DIA., 4 HOLES SPACED AS SHOWN

SHEET 2 OF 2



Paul Koracs DATE 5-1-2009 APPROVED.

SEE SHEET 1 OF THIS SERIES FOR NOTES.



#### ADVANCE SIGNING NOTES:

- A. THE ADVANCE SIGNING SHOWN ON THIS STANDARD SHALL APPLY ANY TIME THE CONTRACTOR CLOSES ONE OR MORE LANES, OR IS REQUIRED TO SHIFT THE LANE ALIGNMENT. THE "ROAD WORK AHEAD" OR "ROAD CONSTRUCTION AHEAD" SIGNS, WORK ZONE PUBLIC INFORMATION SIGNS AND PORTABLE CHANGEABLE MESSAGE ARE STATIONARY.
- B. THE ROAD CONSTRUCTION AHEAD SIGN (W20-1A, WITH W16-3a SUPPLEMENTAL PLATE) OR ROAD WORK AHEAD SIGN (W20-1, WITH W16-3A SUPPLEMENTAL PLATE) SHALL BE LOCATED UP TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS, WITH THE LOCATION BEING DETERMINED BY THE ENGINEER.
- THE WORK ZONE PUBLIC INFORMATION SIGN IS 60" WIDE BY 48" HIGH. THE CONTRACTOR SHALL OBTAIN THE CAMERA-READY ARTWORK REQUIRED FOR THE SIGN MESSAGE BY CONTACTING IDOT'S CENTRAL BUREAU OF OPERATIONS.
- THE PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE USED TO DISPLAY THE STATUS OF LANE WITHIN THE CONTRACT LIMITS. THE PRIMARY MESSAGES SHALL BE: "RIGHT LANE(S) CLOSED" / "X MILES AHEAD", "LEFT LANE(S) CLOSED" / "X MILES AHEAD", "LANE(S) SHIFT" / "X MILES AHEAD", "ALL LANES OPEN". THE PORTABLE CHANGEABLE MESSAGE SIGN MAY BE MOVED TO THE MEDIAN SHOULDER WHEN THE LANE CLOSURES ARE ON THE LEFT, PROVIDED THE EXISTING SHOULDER WIDTH IS ADEQUATE.
- E. THE ILLINOIS TOLLWAY WILL FURNISH AND INSTALL STATIC PROJECT INFORMATION SIGNS IN ADVANCE, THROUGH AND AT THE END OF THE WORK ZONE. THESE SIGNS WILL BE INSTALLED ALONG THE OUTSIDE SHOULDER WITH THE ADVANCE SIGNS LOCATED BEYOND THE PORTABLE CHANGEABLE MESSAGE SIGN. THE ENGINEER AND CONTRACTOR SHALL COORDINATE WITH THE ILLINOIS TOLLWAY REGARDING THE LOCATION OF THESE SIGNS AND NOTIFY THE ILLINOIS TOLLWAY OF ANY DAMAGE TO THE SIGNS OR SUPPORTS.

#### **LEGEND**



ARROW BOARD



WORK AREA



- DIRECTION INDICATOR BARRICADE WITH SEQUENTIAL FLASHING WARNING LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- FLAGGER WITH TRAFFIC CONTROL SIGN



X LANE CLOSED

LAL CHECK BARRICADE

TRUCK MOUNTED ATTENUATOR

SHEET 1 OF 3



LANE CLOSURE WITH BARRIER AND ADDED LANE CLOSURE DETAILS SEQUENTIAL FLASHING WARNING LIGHT. ADDED TAPER RATE TABLE

RE-ARRANGED DETAILS, REVISED NOTE 17,
ADDED NOTES 18 & 19, ADDED TMA

STANDARD E2-08

Paul Koracs CHIEF ENGINEERING OFFICER 5-1-2009

