06-13-2025 LETTING ITEM 020

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

D-91-054-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE CITY OF EVANSTON

PROPOSED HIGHWAY PLANS

F.A.U ROUTE 3520: GROSS POINT RD. CRAWFORD AVE. TO ORCHARD RD. SECTION: 2024-1022-RS

TRAFFIC DATA

0

0

0

0

GROSS POINT RD.: 2022 ADT = 6850 POSTED SPEED LIMIT = 30 MPH DESIGNED OVERLAY COOK COUNTY

C-91-073-25

PROJECT BEGINS STA. 19+30

PROJECT ENDS

STA. 29+94

0 100' 200' 300' — 1°= 100' 10' 20' 30' — 1°= 10' 0 50' 100' — 1°= 40' 0 50' 100' — 1°= 30' 0 50' 100' — 1°= 20'

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

J.U.L.I.E.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: J. ALAIN MIDY (847) 221-3056
PROJECT MANAGER: RODRIGO LEDEZMA (847) 705-4580

R 13 E

Lake Jave

Gress Point

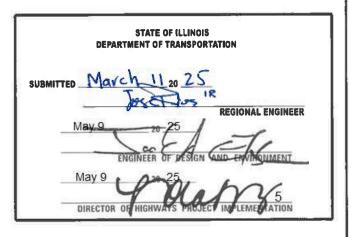
Marian In

Marian In

Structer Ava

Millian In

EVANSTON TOWNSHIP

GROSS LENGTH = 1466 FT = .277 MILE NET LENGTH = 1466 FT. = .277 MILE 

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV-SEP

CONTRACT NO. 62X62

INDEX OF SHEETS

SHEET

STATE STANDARDS

NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3 - 4	SUMMARY OF QUANTITIES
5	EXISTING AND PROPOSED TYPICAL SECTIONS
6	ROADWAY PLAN AND PROFILE
7 - 10	ADA RAMP DESIGN
11 - 16	APS DESIGN
17	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
18	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
19	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
20	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
21	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
22	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
23	DISTRICT ONE TYPICAL PAVEMENT MARKING (TC-13)
23A	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS, (TO REMAIN OPEN TO TRAFFIC) (TC-14)
24	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
25	ARTERIAL ROAD INFORMATION SIGN (TC-22)
25A	DRIVEWAY ENTRANCE SIGNING (TC-26)

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND PATCHES
424001-12	PREPENDICULAR CURB RAMPS FOR SIDEWALK
424031-03	MEDIAN PEDESTRIAN CROSSING
604001-05	FRAME AND LIDSTYPE 1
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, 2L, 2W, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD MOVING OPERATIONS, MULTILANE, MORE THEN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS \leq 40 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611 - 01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTOL DEVICES

GENERAL NOTES

- 1 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 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF EVANSTON.
- 2 THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 3 TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 4 BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 5 BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNITESS OTHERWISE SPECIFIED.
- 6 THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 7 ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 8 FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 9 THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA KANNAN-HOSADURGA@ ILLINOIS .GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 10 OVERNIGHT LANE CLOSURE SHALL NOT BE ALLOWED FOR REHABILITATION INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LAND CLOSURES AS DETRMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- 11 THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 12 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 13 LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 14 DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL TYPICAL APPLICATION RAISED REFLECTION PAVEMENT MARKERS (SNOW-PLOW RESISTANT) SHOWN
- 15 PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. IN THE PLANS.
- 16 ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- 17 ANY DRAINAGE STRUCTURE WITHIN ADA IMPROVEMENT MUST BE ADA COMPLIANT.
- 18 VALVE BOXES TO BE RAISED AND LOWERED FOR MILLING WILL BE PAID AS FRAME AND LID ADJUSTMENT (SPECIAL).
- 19 DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 20 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 ACCORDIND TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

USER NAME = Addis.Abebaw	DESIGNED -	REVISED - REV. 4/8/25 A.A
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 3/19/2025	DATE -	REVISED -

SCALE:

		_				NSTRUCTION TYPE CO						CON	STRUCTION TYPE C	ODE
		SUMMARY OF QU	JANTITIES		100% STATE	100% STATE	TATE 100% STATE		SUMMARY OF QUANTITIES			100 % STATE	100% STATE	100 % STATE
					- a					1				
CODE NO.		ITEM	UNIT	TOTAL QUANTITY	0005	0021	0005	CODE NO.	ПЕМ	UNIT	TOTAL QUANTITY	0005	0021	0005
					URBAN							URBAN		
20200100	EARTH EXCAVATION		CUYD	50	50	0	0	44201757	CLASS DPATCHES, TYPE III, 9 INCH	SQ YD	91	91	0	0
										- 1				
21101615	TOPSOIL FURNISH AND	PLACE, 4"	SQYD	53	53	0	0	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	278	278	0	0
25200110	SODDING, SALT TOLER	ANT	SQYD	53	53	0	0	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1	0	0
25200200	SUPPLEMENTAL WATE	RING	UNIT	1.3	1.3	0	0	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1	0	0
							-			2,1011				
28000250	TEMPORARY EROSION	CONTROL SEEDING	POUND	7.3	7.3	0	0	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1	0	0
35101400	AGGREGATE BASE COL	JRSE, TYPE B	TON	16	16	0	0	60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4	0	0
40600290	BITUMINOUS MATERIAL	S (TACK COAT)	POUND	4300	4300	0	0	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2	0	0
40600370	LONGITUDINAL JOINT S	EALANT	FOOT	2429	2429	0	0	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	6	6	0	0
40600400	MIXILIBE EOB CBACKS	, JOINTS, AND FLANGEWAYS	TON	10	10	0	0	00.400000	TRAVES AND UPO TYPE 4 OPENUE	54011				
40000400	MIXTORETORCHACKO	JOINTO, AND FEANGEWATO	ION	10	10	· ·	· ·	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2	0	0
40600982	HOT-MIX ASPHALT SUR	FACE REMOVAL - BUTT JOINT	SQ YD	129	129	0	0	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1	0	0
40601005	HOT-MIX ASPHALT REP	LACEMENT OVER PATCHES	TON	129	129	0	0	* 66900200	NON-SPECIAL WASTE DISPOSAL	CUYD	20	20	0	0
40602985	HOT-MIX ASPHALT BIND	DER COURSE, IL-9.5, N70	TON	714	714	0	0	* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	0	0
40604062	HOT-MIX ASPHALT SUR	FACE COURSE, IL-9.5, MIX "D", N70	TON	625	625	0	0	* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	0	0
42001300	PROTECTIVE COAT		SQYD	152	152	0	0	* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	0	0
42300400	PORTLAND CEMENT CO	DNCRETE DRIVEWAY PAVEMENT, 8 INCH	SQYD	42	42	0	0	* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	0	0
42.400200	DODTI AND CEMENT OF	DAIGDETE CIDEMALIZE INICH	COLT	2470	2470	0	0	27/22/22						
42400200	PORTLAND CEMENT CO	DNCRETE SIDEWALK 5 INCH	SQFT	2470	2470	0	0	67100100	MOBILIZATION	L SUM	1	1	0	0
42400800	DETECTABLE WARNING	es	SQ FT	196	196	0	0	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1	0	0
44000164	HOT-MIX ASPHALT SUR	FACE REMOVAL, 33/4"	SQYD	6370	6370	0	0	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	0	0
44000200	DRIVEWAY PAVEMENT	REMOVAL	SQYD	42	42	0	0	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0	0
44000600	SIDEWALK REMOVAL		SQFT	2355	2355	0	0	70300100	SHORT TERM PAVEMENT MARKING	FOOT	2812	2812	0	0
44002219	HOT-MIX ASPHALT REM	OVAL OVER PATCHES, 4 3/4"	SQYD	483	483	0	0	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2914	2914	0	0
		·												
44201749	CLASS D PATCHES, TYP	PE I, 9 INCH	SQ YD	7	7	0	0	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	192.3	192.3	0	0
44201753	CLASS D PATCHES, TYP	PE II, 9 INCH	SQYD	107	107	0	0	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	5715	5715	0	0
								* SPEC	ALTY ITEMS	2				<u> </u>
		user name = Addis.Abebaw	DRAWN - REV	SED -		PER-	STATE OF ILI		SUMMARY OF QUANTITIES	s	F.A RI 35		2-RS CO	JNTY TOTAL SH SHEETS 1
	1	PLOT DATE = 3/21/2025	-	SED -		DEPAR	TMENT OF TRA	ANSPUKTATI	SCALE: SHEET SOQ 1A OF SHEETS STA.	. TO S'	та	Ti	LINOIS FED. AID PROJECT	TRACT NO. 62X62

Ar.						COI	NSTRUCTION TYPE C	ODE
		SUMMARY OF	QUANTITIES			100% STATE	100% STATE	100% STATE
CODE NO.		ITEM		UNIT	TOTAL QUANTITY	, 0005	0021	0005
						URBAN		
70300241	TEMPORARY PAVEN	MENT MARKING - LINE 6"- PAINT		FOOT	4512	4512	0	0
7000001	TEMPO DADV DAVEA	JENT MADIZINO LINE 401 DAINT		FOOT	4004	1001		
70300261	TEMPORARY PAVEN	/ENT MARKING - LINE 12"- PAINT		FOOT	4224	4224	0	0
70300281	TEMPODA DV DAVEN	MENT MARKING - LINE 24"- PAINT		FOOT	690	690	0	0
70300261		MENT MARKING - LINE 24 - PAINT		FOOT	1905	1905	U	U
78000100		AVEMENT MARKING - LETTERS AND SY		SQFT	64.1	64.1	0	0
70000100	THERWOTEACTIOT /	AVENUENT INVARIANTO - LETTERO AND OT	INDOLO	OQTT	04.1	04.1	0	
78000200	THERMOPLASTIC PA	AVEMENT MARKING - LINE 4"		FOOT	1905	1905	0	0
78000400	THERMOPLASTIC PA	AVEMENT MARKING - LINE 6"		FOOT	1504	1504	0	0
78000600	THERMOPI ASTIC PA	AVEMENT MARKING - LINE 12"		FOOT	1408	1408	0	0
1000000	THE RING LEGISTIC TO	WEINER IN HARMO EINE IE		1001	1100	1100		
78000650	THERMOPLASTIC PA	AVEMENT MARKING - LINE 24"		FOOT	230	230	0	0
78100100	RAISED REFLECTIVI	E PAVEMENT MARKER		EACH	90	90	0	0
78300200	RAISED REFLECTIVI	E PAVEMENT MARKER REMOVAL		EACH	90	90	0	0
7000000					2010	2010		
78300202	PAVEMENT MARKING	G REMOVAL - WATER BLASTING		SQ FT	3312	3312	0	0
81028200	UNDERGROUND CO	NDUIT, GALVANIZED STEEL, 2" DIA		FOOT	96	0	96	0
85000200	MAINTENANCE OF E	XISTING TRAFFIC SIGNAL INSTALLATIO	N	EACH	2	0	2	0
87301215	ELECTRIC CABLE IN	CONDUIT, SIGNAL NO. 14 2C		FOOT	1226	0	1226	0
								0
87301900	ELECTRIC CABLE IN	CONDUIT, EQUIPMENT GROUNDING (CONDUCTOR, NO. 6 1C	FOOT	198	0	198	0
87900200	DRILL EXISTING HAN	IDHOLE		EACH	8	0	8	0
88600100	DETECTOR LOOP,	ГҮРЕ І		FOOT	1750	0	1750	0
								0
89502375	REMOVE EXISTING	FRAFFIC SIGNAL EQUIPMENT		EACH	2	0	2	0
89502376	REBUILD EXISTING			EACH	1	-	1	
X0320050 CONSTRUCTION LAYOUT (SPECIAL)			L SUM	1	1	0	0	
								0
								U
X1400367	PEDESTRIAN SIGNA	L POST, 10 FT.		EACH	12	0	12	0
		USER NAME = Addis.Abebaw	DESIGNED -	RE	VISED -			STATE (

				COI	NSTRUCTION TYPE C	ODE
	SUMMARY OF QUANTITIES			100% STATE	100% STATE	100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005 URBAN	0021	0005
X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	72	72	0	0
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	130	130	0	0
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	892	892	0	0
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	40	40	0	0
X4403800	MEDIAN SURFACE REMOVAL	SQ FT	100	100	0	0
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	60	0	0	60
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	15	15	0	0
X6061311	CONCRETE MEDIAN SURFACE, 5 INCH	SQ FT	100	100	0	0
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6	0	0
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8	0	0
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	16	0	16	0
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	32	0	32	0
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	5	0	0	5
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2	0	2	0
	ECIALTY ITEMS					

SCALE:

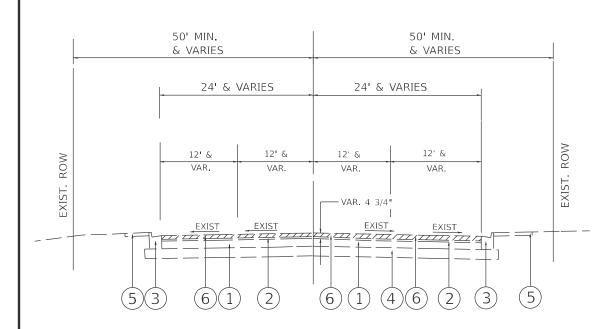
 USER NAME
 = Addis.Abebaw
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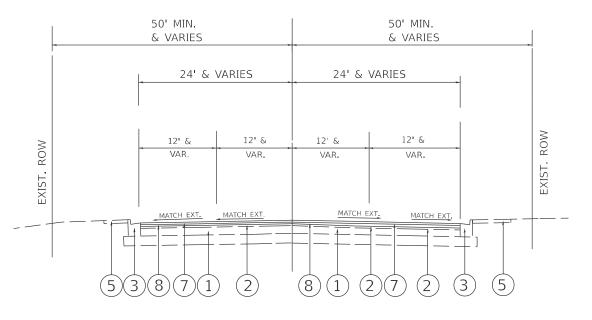
 PLOT DATE
 = 3/21/2025
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EXISTING TYPICAL SECTION

GROSS POINT RD. STA. 19+30 TO STA. 29+94



PROPOSED TYPICAL SECTION

GROSS POINT RD. STA. 19+30 TO STA. 29+94

THE CONTRACTOR SHALL PATCH FIRST THEN MILL

LEGEND

- 1) EXIST. P.C.C. PAVEMENT ± 9"
- (2) EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING \pm 1"
- (3) EXIST. COMBINATION CONC. CURB AND GUTTER
- (4) EXIST. SUB-BASE
- (5) EXIST. SIDEWALK
- 6) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- 7) PROP. HMA SURFACE COURSE, MIX "D", N70, IL-9.5, 1 3/4"
- 8 PROP. HMA BINDER COURSE, IL-9.5, N70, 2"

MIXTURE REQUIREMENTS	QUALITY MANAGEMENT	
MIXTURE USES	VOIDS Ndes	PROGRAM (QMP)
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1 3/4"	4% AT 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"	4% AT 70 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0)	4% AT 70 GYR.	QC/QA
HOT-MIX REPLACEMENT OVER PATCHES (HMA BINDER, IL-19.0)	4% AT 70 GYR.	QC/QA
TEMPORARY RAMP (SPECIAL)	'	
HMA BINDER COURSE, IL-9.5, N70 (VAR. DEPTH)	4% AT 70 GYR.	QC/QA
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QC	P)	

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

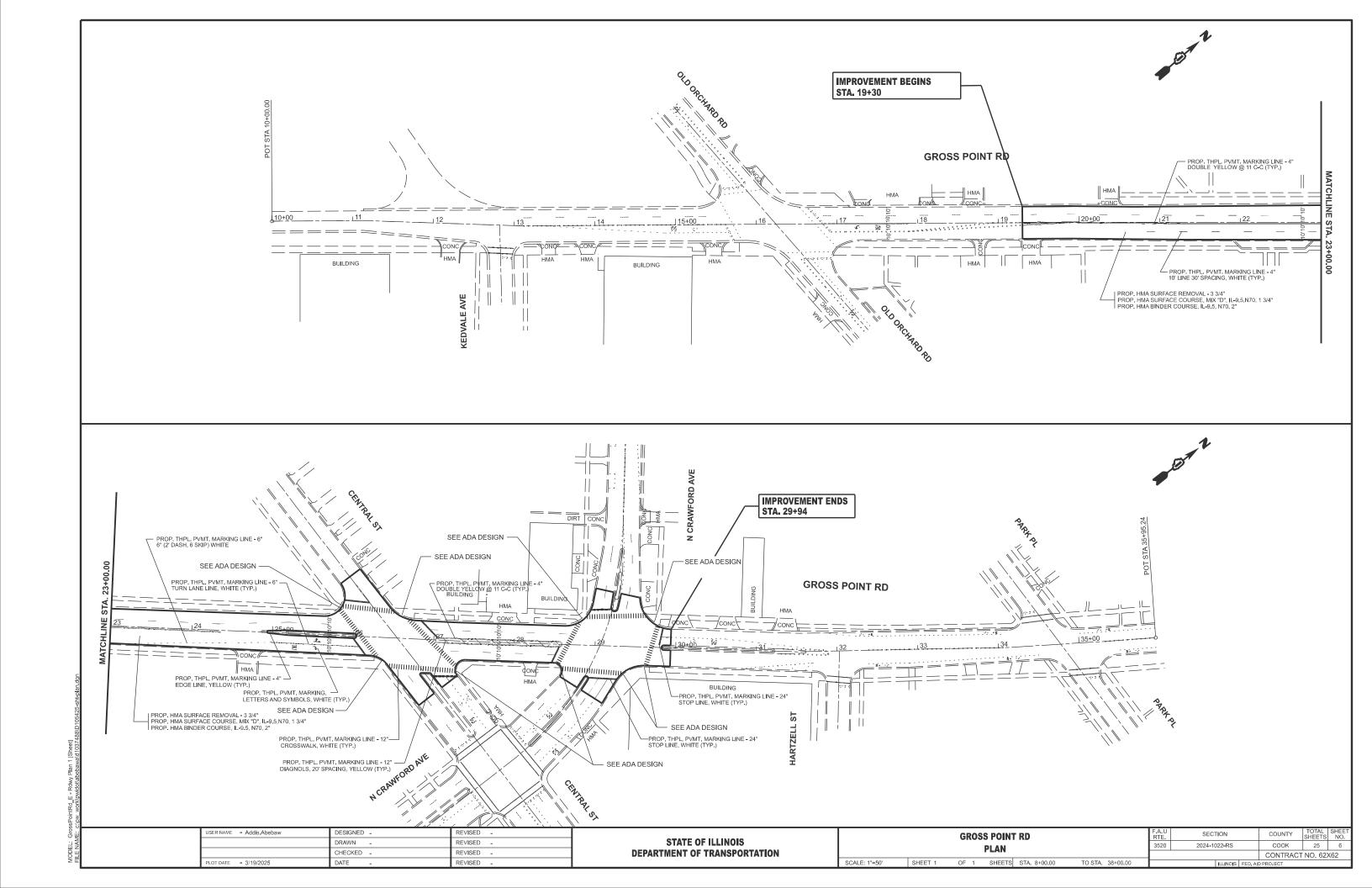
NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIAL SPECIFICATION.

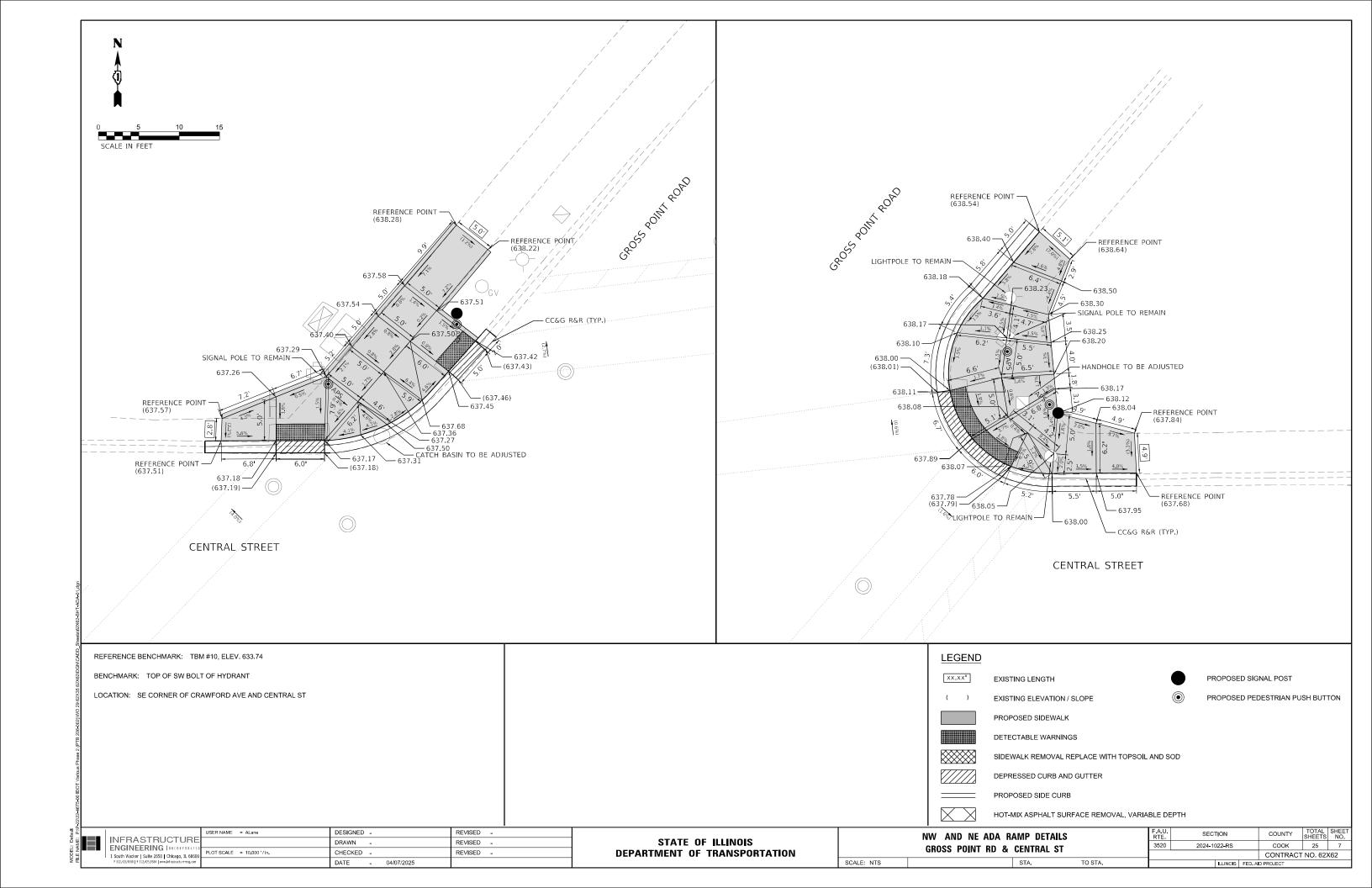
NOTE:

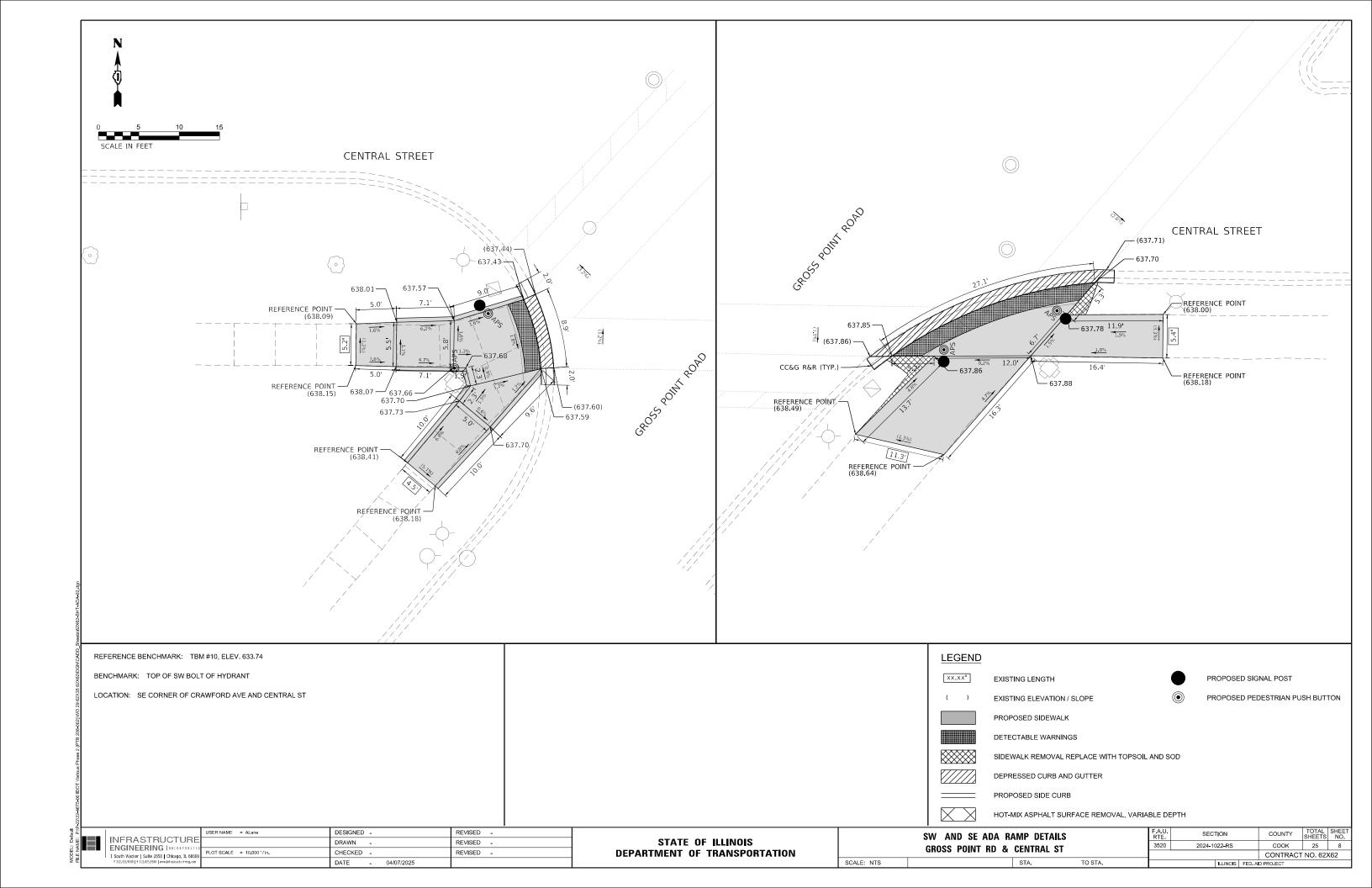
THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER

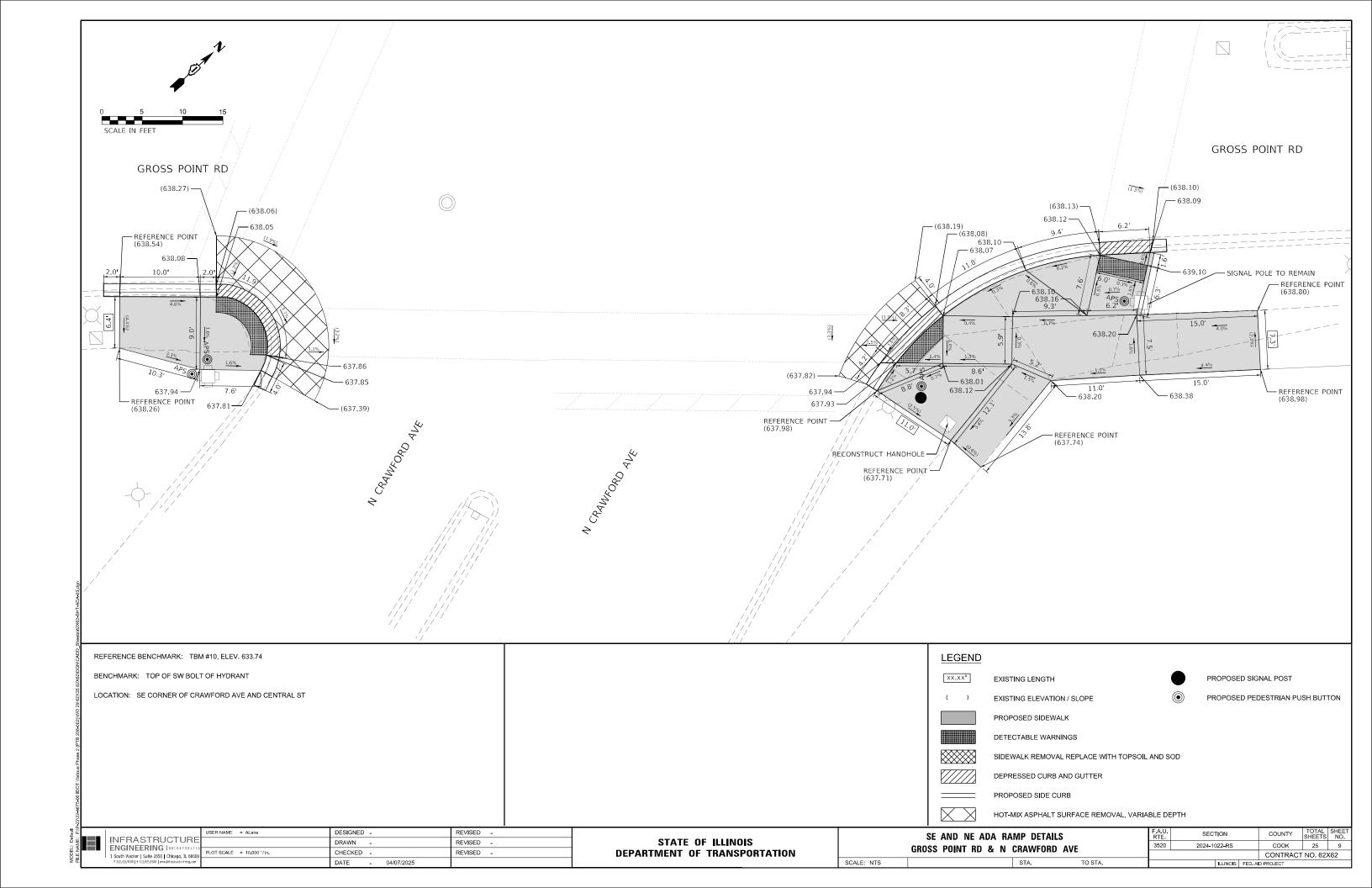
- HMA BINDER COURSE IL-9.5, N70

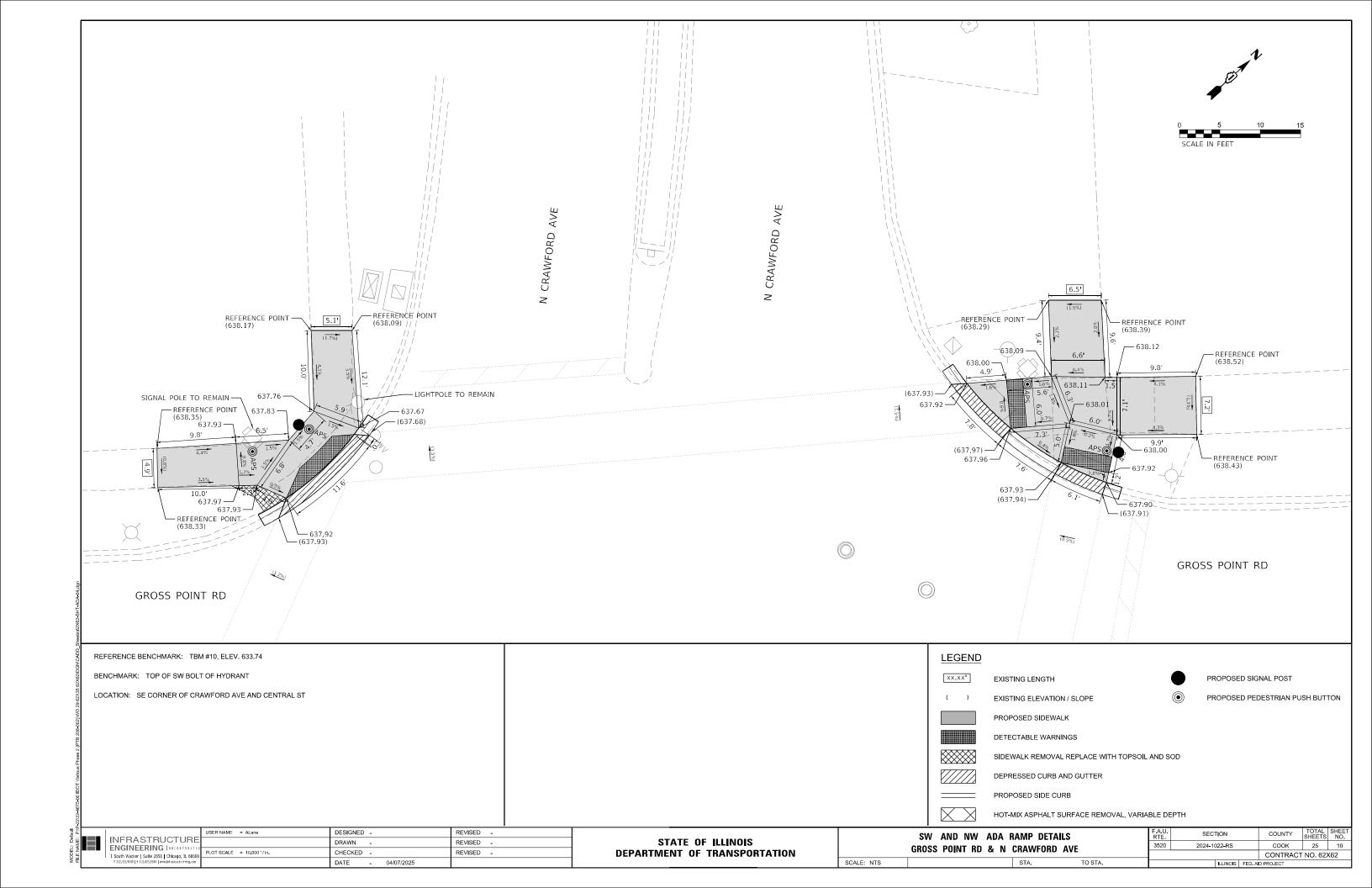
USER NAME = Addis.Abebaw	DESIGNED -	REVISED -			EXISTING AND PROPOSED TYPICAL SECTION		F.A.U RTE	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		GROSS POINT RD.		3520	2024-1022-RS	COOK	25	5
	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION						CONTRACT	NO. 62X	32
PLOT DATE = 3/19/2025	DATE -	REVISED -		SCALE:	SHEET Typical Se@ffon SHEETS STA.	TO STA.		ILLINOIS FED. AID	PROJECT		

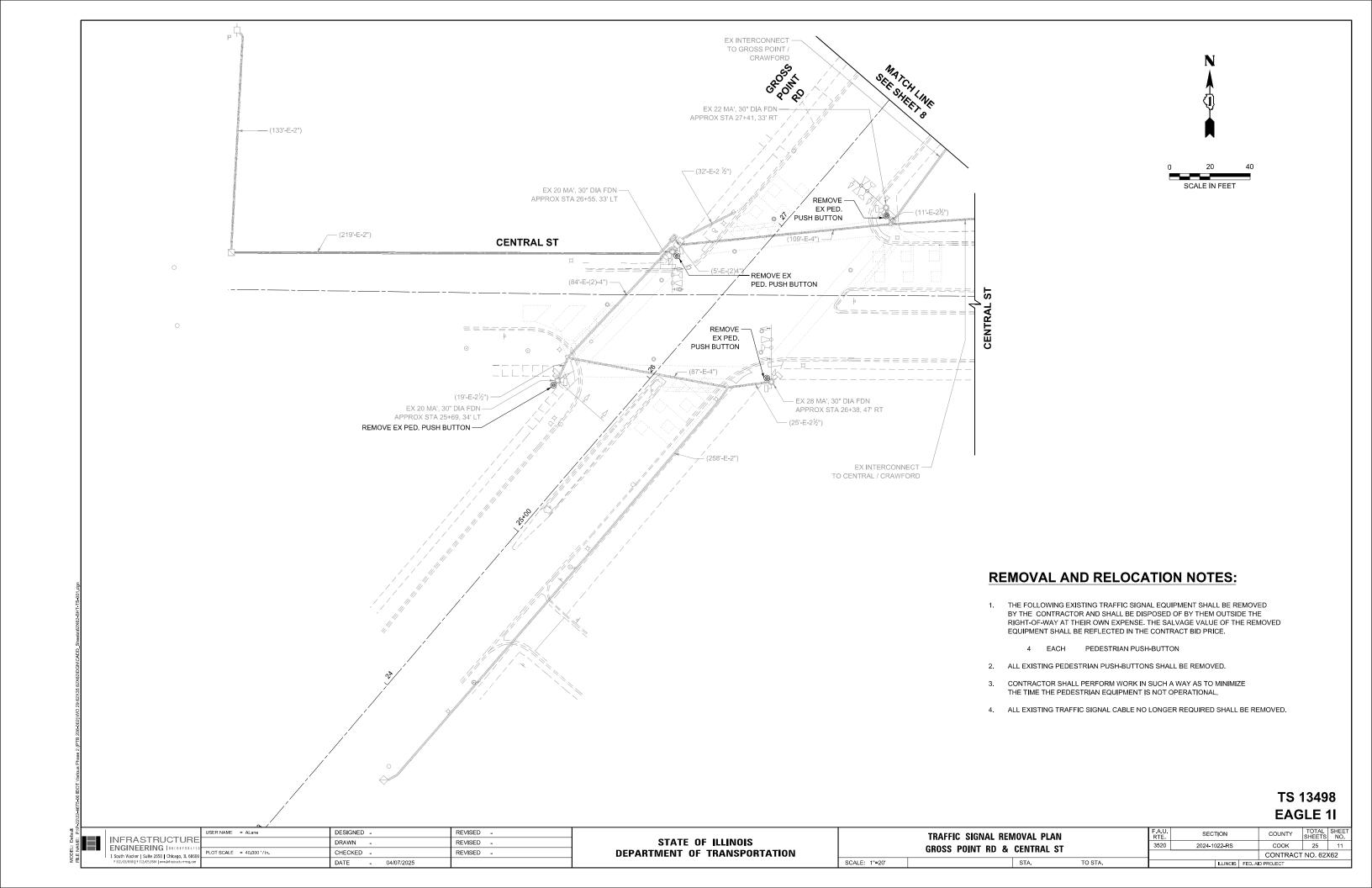


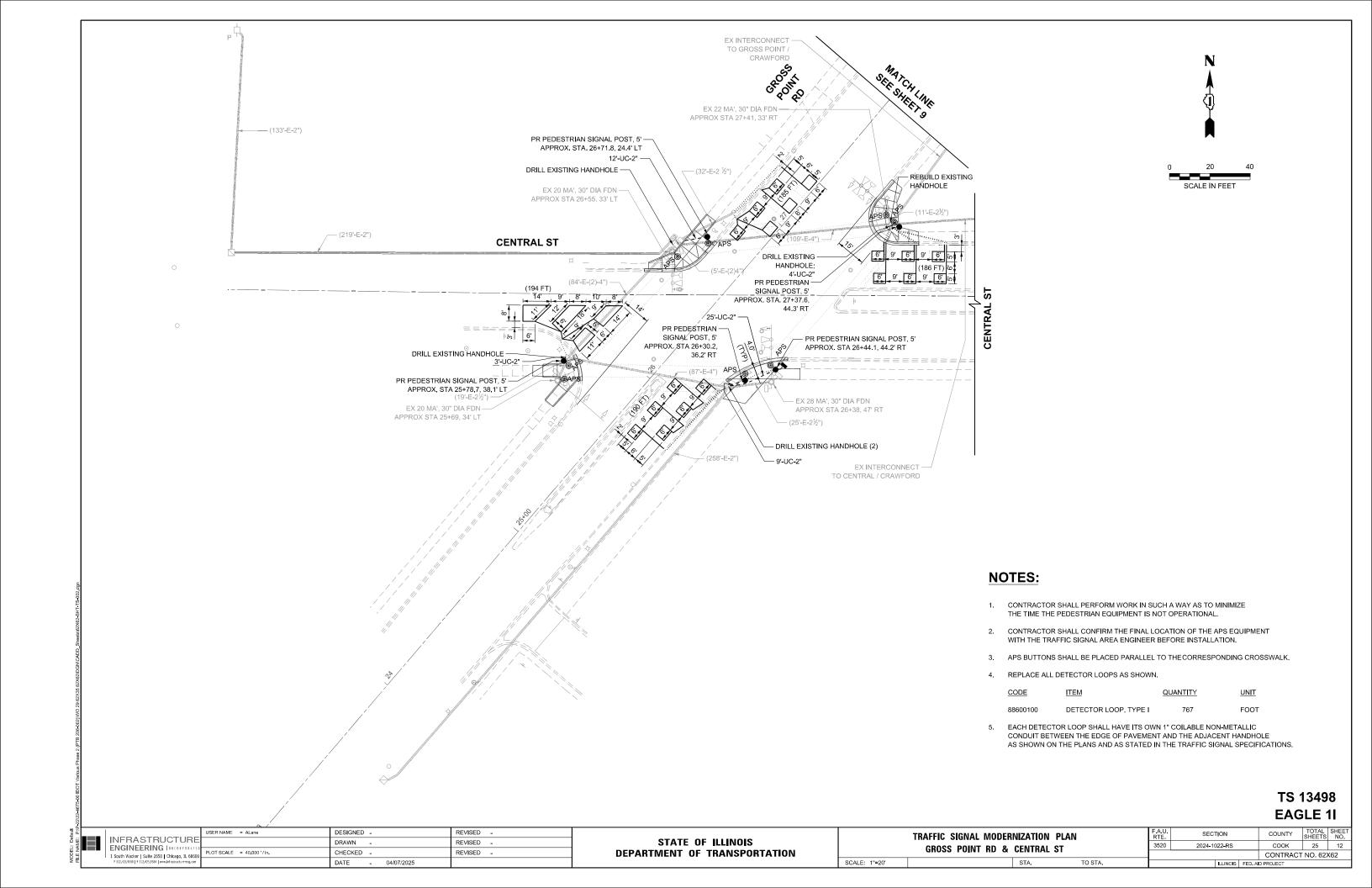


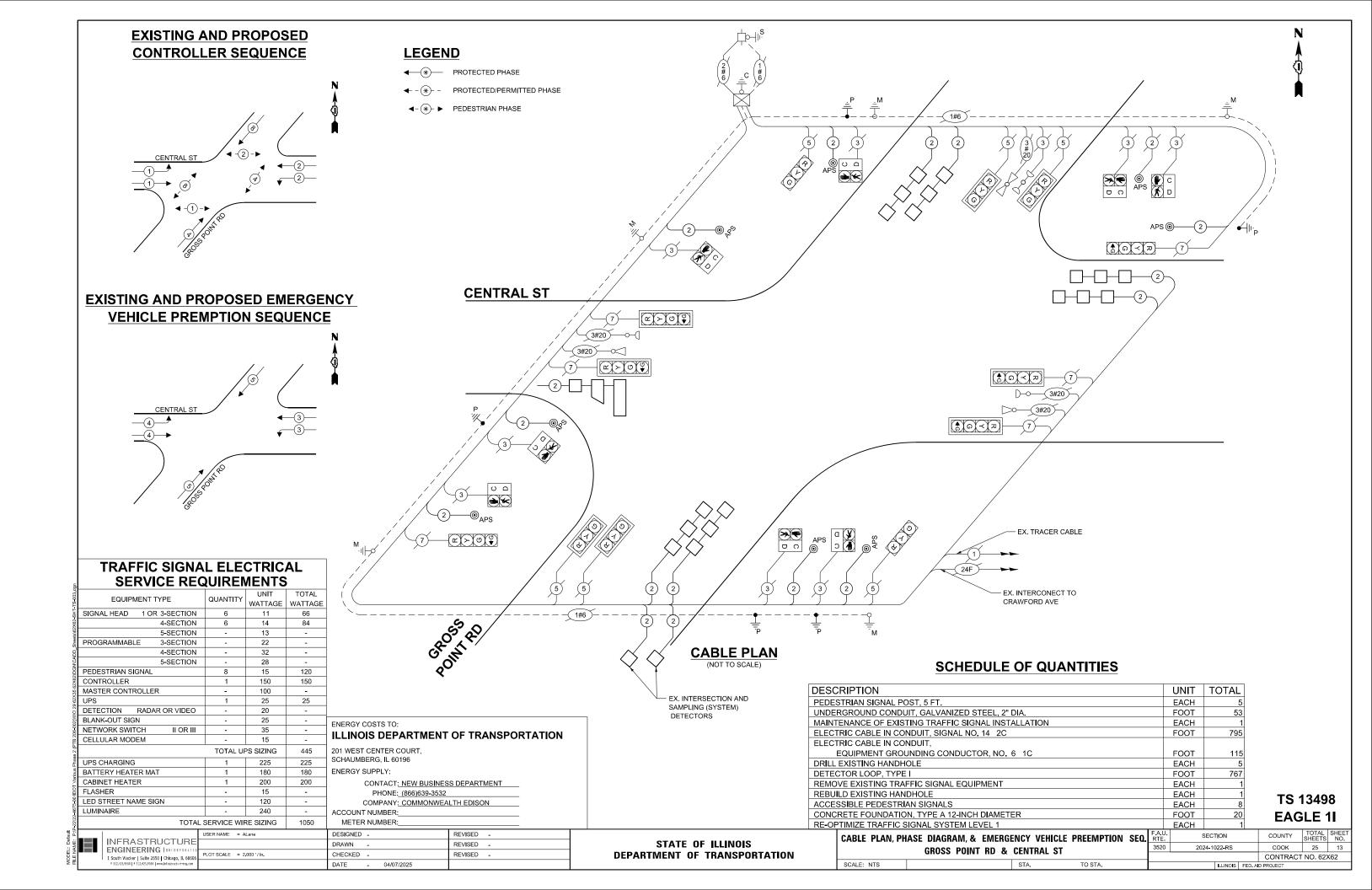


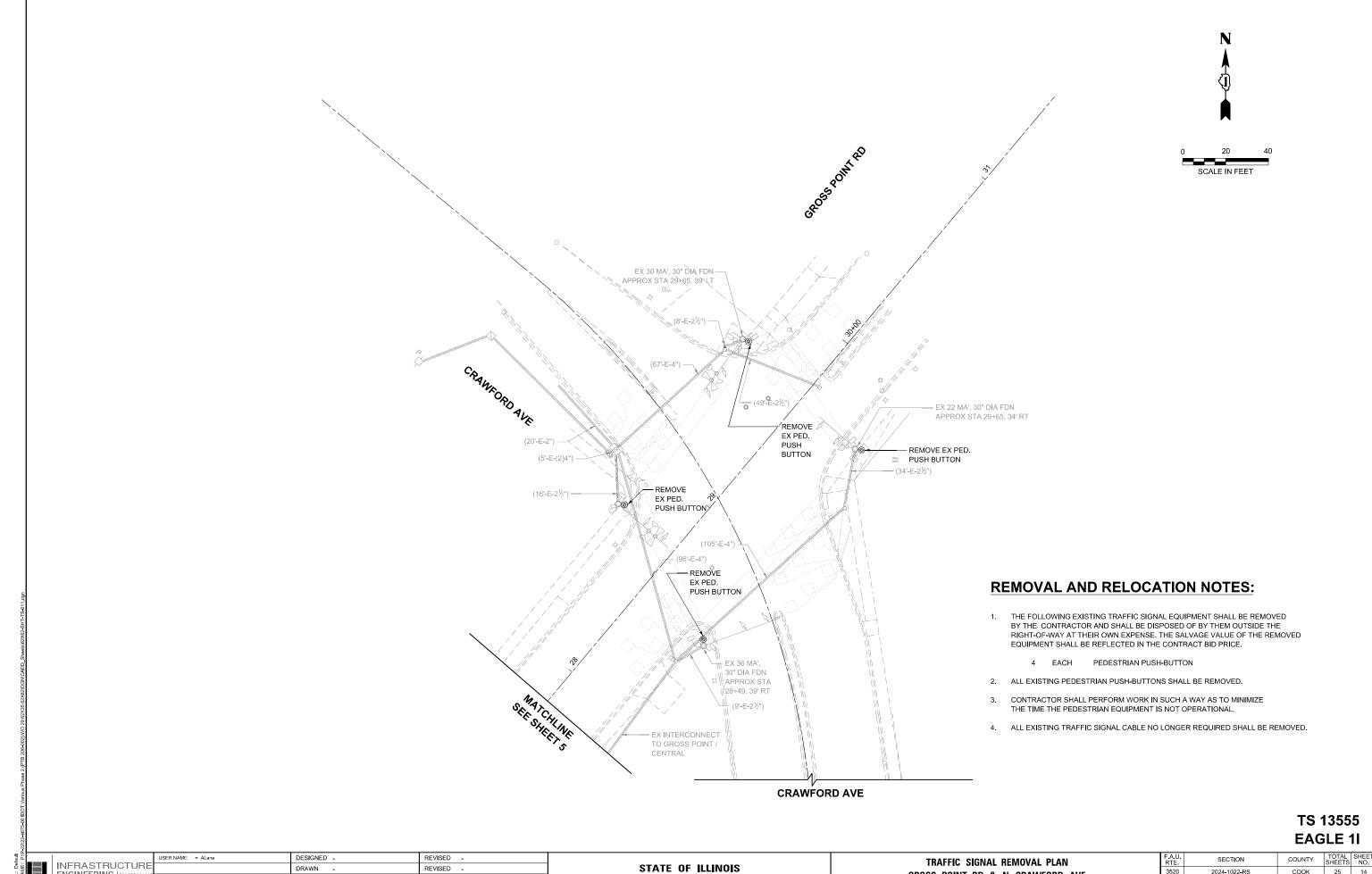












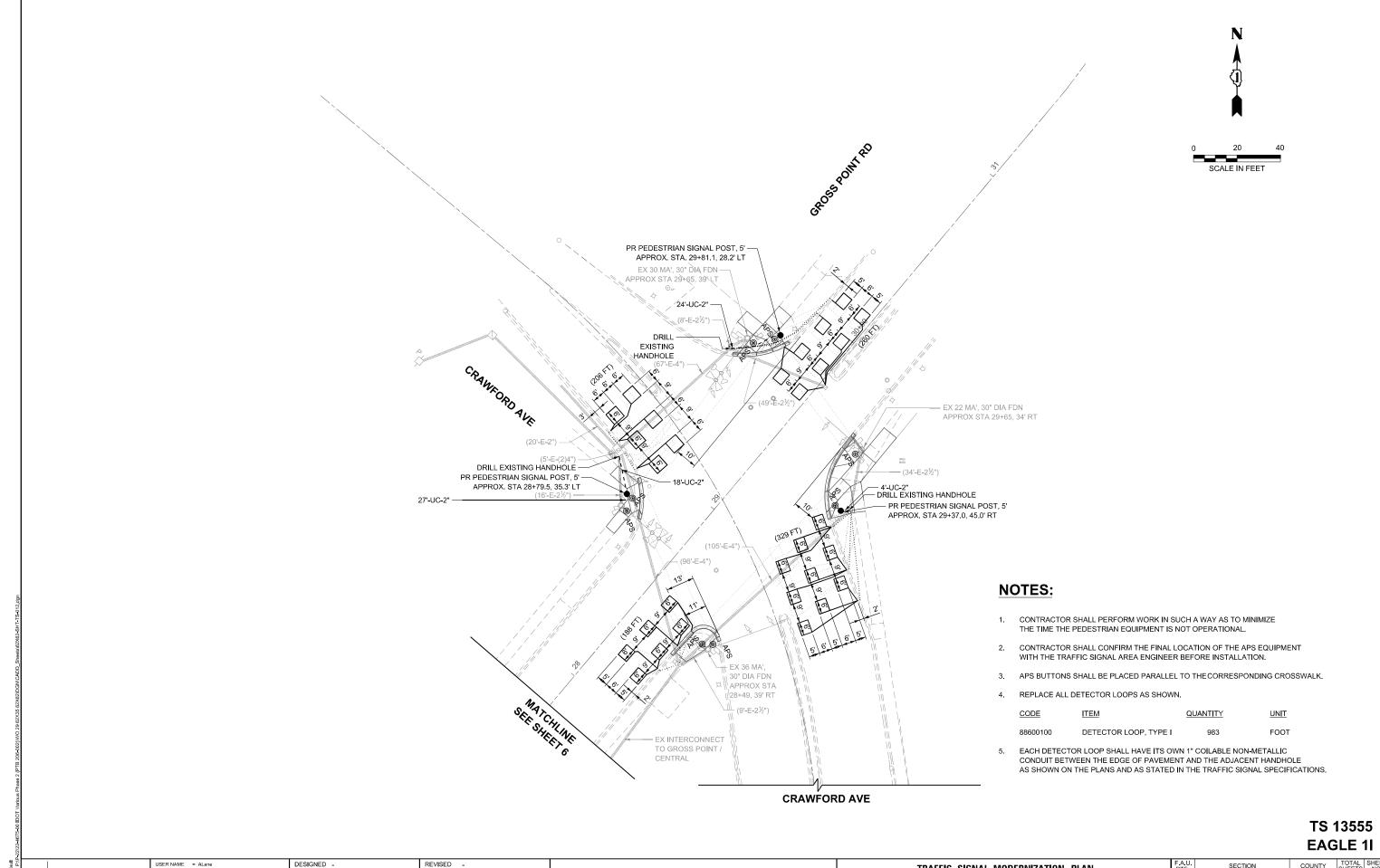
INFRASTRUCTURE
ENGINEERING | INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P312-25:950 | F312-05:9561 | www.infragrence.ass.org CHECKED -DATE - 04/07/2025

DEPARTMENT OF TRANSPORTATION

GROSS POINT RD & N CRAWFORD AVE

SCALE: 1"=20'

COUNTY TOTAL SHEETS NO.
COOK 25 14 3520 2024-1022-RS CONTRACT NO. 62X62



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
GROSS POINT RD & N CRAWFORD AVE

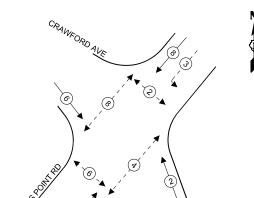
SCALE: 1"=20'

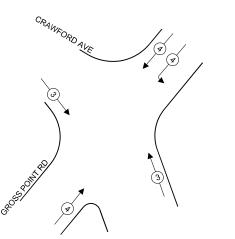
EXISTING AND PROPOSED CONTROLLER SEQUENCE

EXISTING AND PROPOSED EMERGENCY VEHICLE PREMPTION SEQUENCE

LEGEND







PROTECTED/PERMITTED PHASE
PEDESTRIAN PHASE

EX. INTERSECTION AND -SAMPLING (SYSTEM) DETECTORS

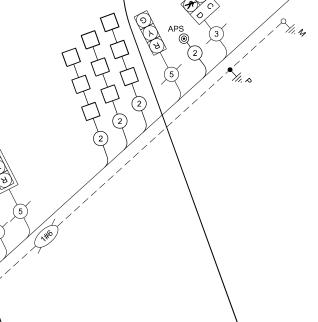
CRAN		2 3	OS O	
CRAWFORD AVE	(3)	APS 5 5		
	APS ®	2		

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL	
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3	
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	43	
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	431	
ELECTRIC CABLE IN CONDUIT,			
EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	83	
DRILL EXISTING HANDHOLE	EACH	3	
DETECTOR LOOP, TYPE I	FOOT	983	S
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	9
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12	
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	

IIT	TOTAL	
CH	3 43	
TC	43	
CH	1	
ТС	431	
		()
TC	83	7
СН	83 3	\downarrow
TC	983	s.11/d>
СН	1	5,111
CH CH	8	
TC	12	
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		RD	5 7 3 # 20 3	
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COOK 25 16

CONTRACT NO. 62X62

COUNTY

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

SLIVICE INC	COUNT	III I O	,
EQUIPMENT TYPE	QUANTITY	UNIT	TOTAL
E E E E E E E E E E E E E E E E E E E	QOANTITT	WATTAGE	WATTAG
SIGNAL HEAD 1 OR 3-SECTION	10	11	110
4-SECTION	-	14	-
5-SECTION	2	13	26
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	8	15	120
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
	TOTAL U	PS SIZING	431
UPS CHARGING	1	225	225
BATTERY HEATER MAT	1	180	180
CABINET HEATER	1	200	200
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-
TOTAL :	SERVICE WIF	RE SIZING	1036

ILLINOIS DEPARTMENT OF TRANSPORTATION

201 WEST CENTER COURT, SCHAUMBERG, IL 60196 ENERGY SUPPLY:

CONTACT: NEW BUSINESS DEPARTMENT PHONE: (866)639-3532
COMPANY: COMMONWEALTH EDISON ACCOUNT NUMBER: METER NUMBER:

CABLE PLAN, PHASE DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQ. SECTION 2024-1022-RS GROSS POINT RD & N CRAWFORD AVE

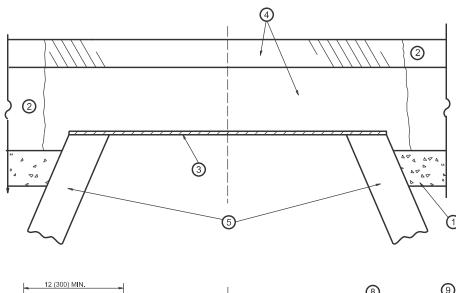
EX. TRACER CABLE

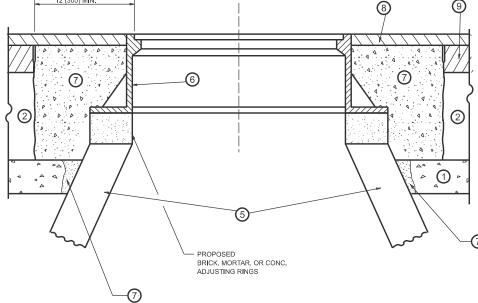
CABLE PLAN (NOT TO SCALE)

- EX. INTERCONNECT TO CRAWFORD AVE & CENTRAL ST

DESIGNED . REVISED -INFRASTRUCTURE DRAWN REVISED -CHECKED -REVISED -1 South Wacker | Suite 2650 | Chicago, IL 60606 DATE - 04/07/2025

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





WITH MILLING

NOTES

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE. C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

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

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

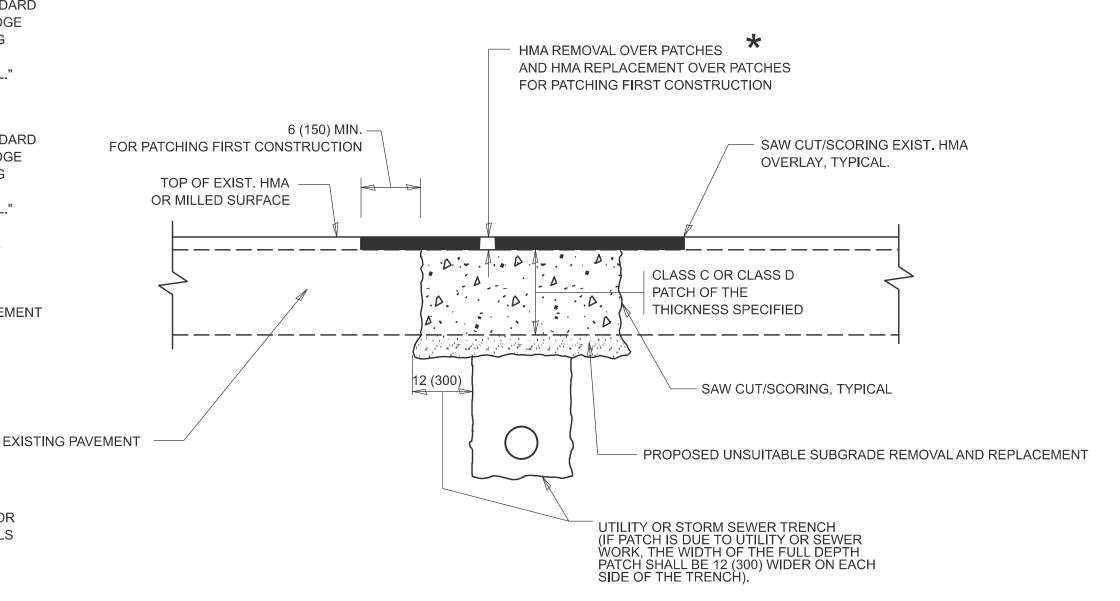
SER NAME = Eric.L.Thomas REVISED - R. BORO 03-09-11 DESIGNED - R. SHAH **DETAILS FOR STATE OF ILLINOIS** DRAWN REVISED - R. BORO 12-06-11 2024-1022-RS COOK 25 FRAMES AND LIDS ADJUSTMENT WITH MILLING HECKED REVISED - K. SMITH 11-18-22 **DEPARTMENT OF TRANSPORTATION** BD600-03 (BD-08) CONTRACT NO. 62X62 SHEET 1 OF 1 SHEETS STA. REVISED - K, SMITH 09-15-23 OT DATE = 8/20/2024 DATE

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEE TYPICAL SECTIONS FOR

THICKNESS AND MATERIALS

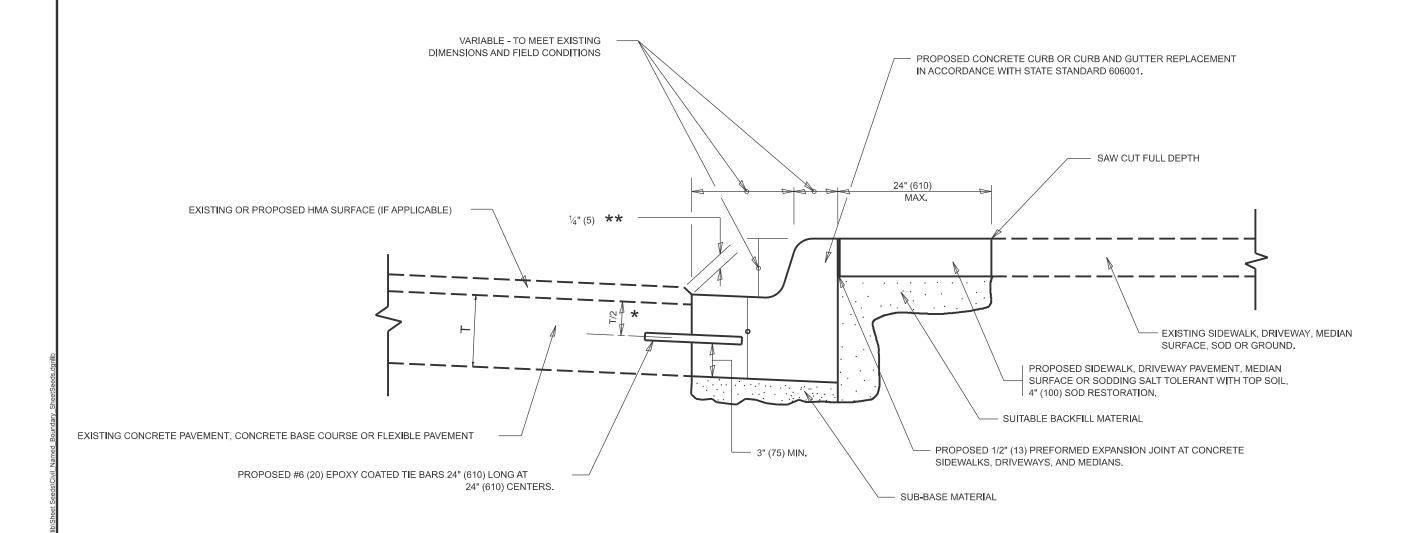
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

USER NAME = Eric.L.Thomas	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07			ΡΔ	VEMENT	PATCH	ING FOR		F.A.U RTF	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED - R. BORO 09-04-07	STATE OF ILLINOIS					AVEMENT		3520	2024-1022-RS	соок	25	18
	CHECKED -	REVISED - K. ENG 10-27-08	DEPARTMENT OF TRANSPORTATION		III IVI	IA SUKF	ACED P	AVENIENI		BE	D400-04 (BD-22)	CONTRACT	NO. 62>	.62
PLOT DATE = 8/20/2024	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		\neg



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

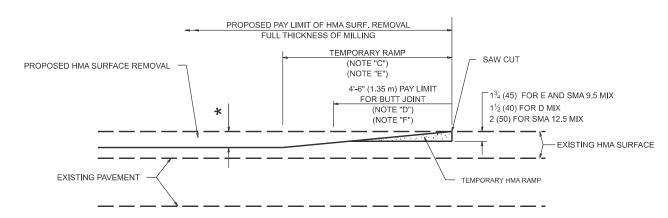
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Eric.L.Thomas	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97			CURI	B OR CI	IRR AN	D GUTTER		F.A.U RTE	SECTION	COUNTY	TOTAL	SHEE
	DRAWN -	REVISED - M. GOMEZ 01-22-01	STATE OF ILLINOIS		REMOVAL AND REPLACEMENT			3520	2024-1022-RS	соок	25	19		
	CHECKED -	REVISED - R. BORO 12-15-09	DEPARTMENT OF TRANSPORTATION		KEIVIC	JVAL AI	NU KEP	LACEMENI		BD60	0-06 (BD-24)	CONTRACT	T NO. 62X	.62
PLOT DATE = 8/20/2024	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	PROJECT		

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(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

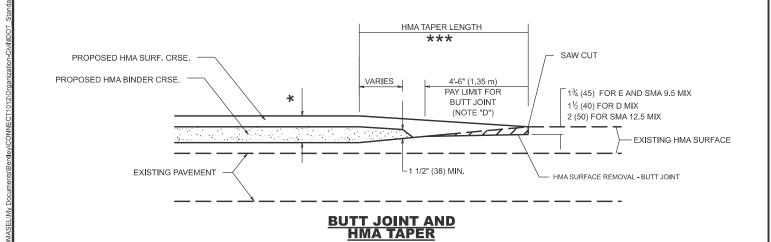
OPTION 1



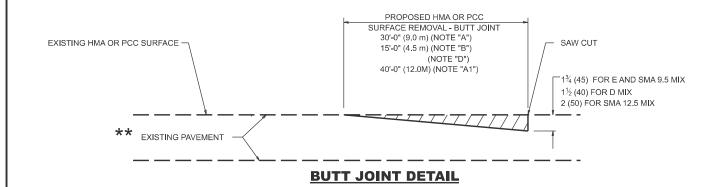
HMA CONSTRUCTED TEMPORARY RAMP

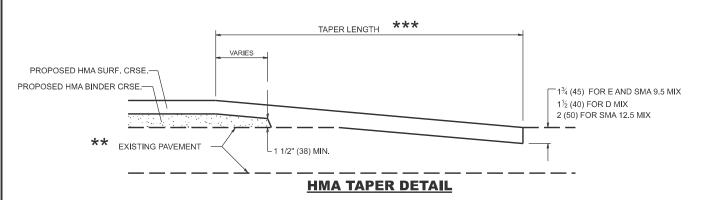
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2 TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

**

PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

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

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

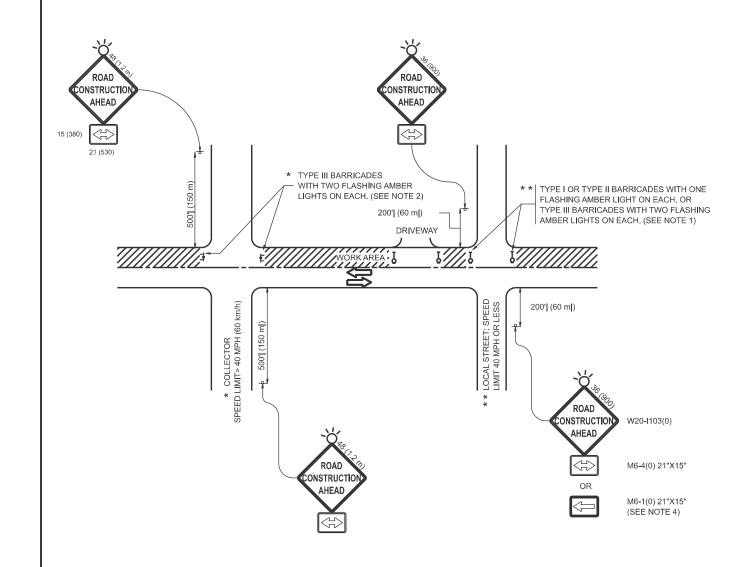
BASIS OF PAYMENT

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

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

SER NAME = Eric.L.Thomas DESIGNED - M. DE YONG COUNTY **BUTT JOINT AND** REVISED -**STATE OF ILLINOIS** DRAWN M. GOMEZ 04-06-01 COOK 25 **HMA TAPER DETAILS** CHECKED **DEPARTMENT OF TRANSPORTATION** BD400-05 BD-32 CONTRACT NO. 62X62 DATE

FILE NAME: \\illinois.gov\DOT\Users\CO\



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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h)
 AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT
- 4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

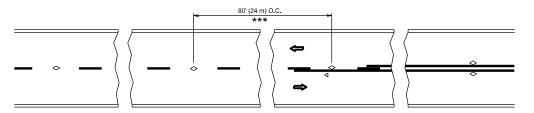
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = Eric.L.Thomas	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 8/20/2024	DATE - 06-89	REVISED _ D. SENDERAK 05-03-24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC (E ROADS,				ON FOR RIVEWAYS
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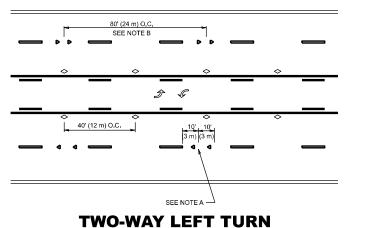
F.A.U RTE.	SEC ⁻	TION			TOTAL SHEETS	SHEE NO.		
3520	2024-1022-RS			соок	COOK 25			
	TC-10)	CONTRACT	NO. 62	X62			



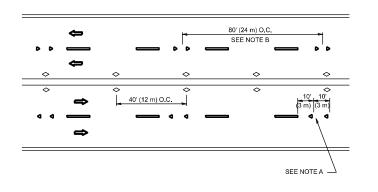
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

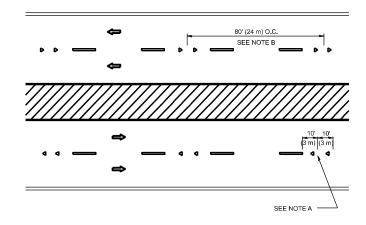
3 @ 40' (12 m) O.C. **LANE REDUCTION TRANSITION**

SEE FIGURE 3B-14 MUTCO



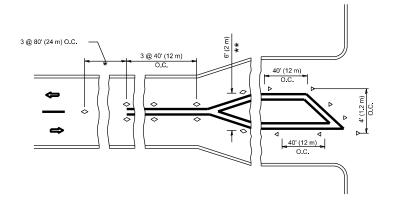
TWO-LANE/TWO-WAY

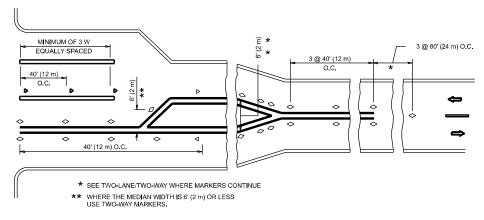




MULTI-LANE/UNDIVIDED

MULTI-LANE/DIVIDED





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

SYMBOLS

YELLOW STRIPE

■ WHITE STRIPE

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

LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

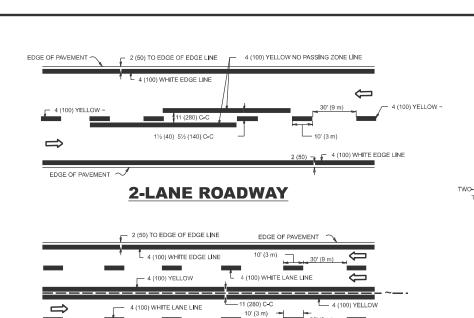
B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

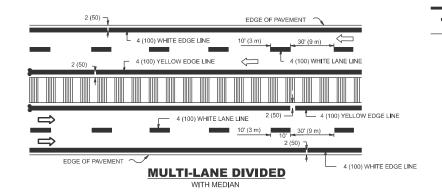
- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD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

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

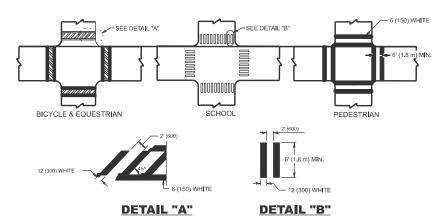
SER NAME = Eric.L.Thomas REVISED - T. RAMMACHER 03-12-99 DESIGNED -SECTION COUNTY TYPICAL APPLICATIONS STATE OF ILLINOIS DRAWN REVISED - T. RAMMACHER 01-06-00 2024-1022-RS COOK 25 22 3520 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) CHECKED -REVISED - C. JUCIUS 09-09-09 **DEPARTMENT OF TRANSPORTATION** TC-11 CONTRACT NO. 62X62 PLOT DATE = 8/20/2024 SHEET 1 OF 1 SHEETS STA. DATE C. JUCIUS 07-01-13



MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

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

TWO-4 (100) YELLOW @ 11 (280) C-C 4' (1.2 m) OUTS IDE TO

@ 10' (3 m) OR LESS SPACING

8 (200) WHITE -

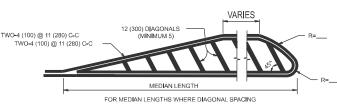
ISLAND OFFSET FROM PAVEMENT EDGE

8 (200) WHITE —

ISLAND AT PAVEMENT EDGE

RAISED

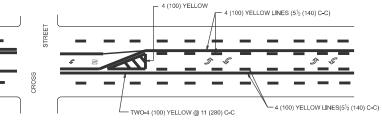
4' (1.2 m) WIDE MEDIANS ONLY



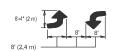
CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

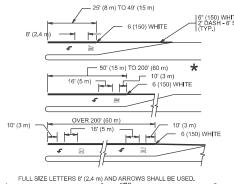
MEDIANS OVER 4' (1.2 m) WIDE



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



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



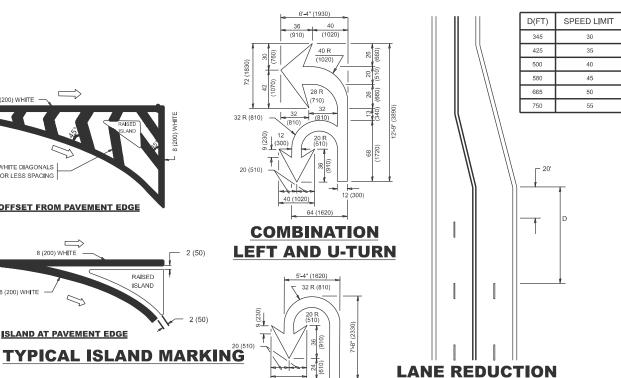
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

AREA = 15.6 SQ. FT. (1.5 m^2) AREA = 20.8 SQ. FT. (1.9 m^2)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



U-TURN

★ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR

TRANSITION

				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' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PIAGE 4" (1.2 m) NADVANCE OF AND PARALLEL TO CROSSWAIK, 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: "X"=3.8 SO, FT, (0.33 m ²) EACH "X"=54.0 SQ, FT, (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≧ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

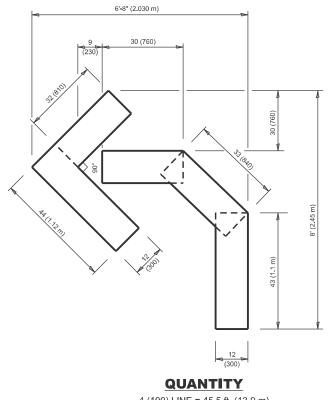
All dimensions are in inches (millimeters unless otherwise shown.

SER NAME = Eric.L.Thomas EVERS DESIGNED -REVISED - C. JUCIUS 09-09-09 REVISED -DRAWN C. JUCIUS 07-01-13 CHECKED DATE

4 (100) WHITE EDGE LINE

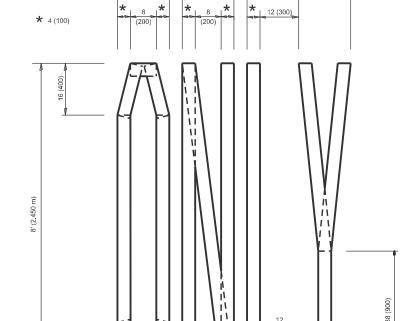
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE 2024-1022-RS соок 25 23 **TYPICAL PAVEMENT MARKINGS TC-13** CONTRACT NO. 62X62 SHEET 1 OF 1 SHEETS STA.

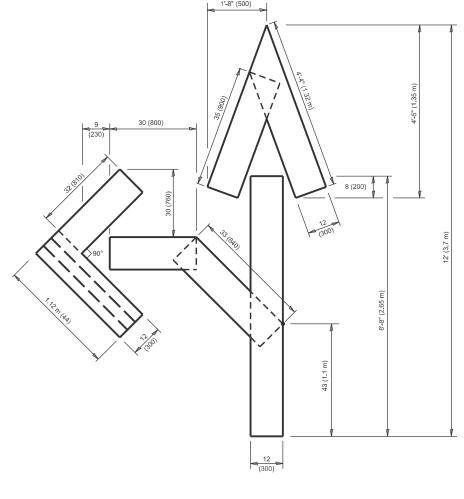


4 (100) LINE = 45.5 ft. (13.9 m) 15.2 sq. ft. (1.41 sq. m)

16 (400) | * | 16 (400) | * | 16 (400) |



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

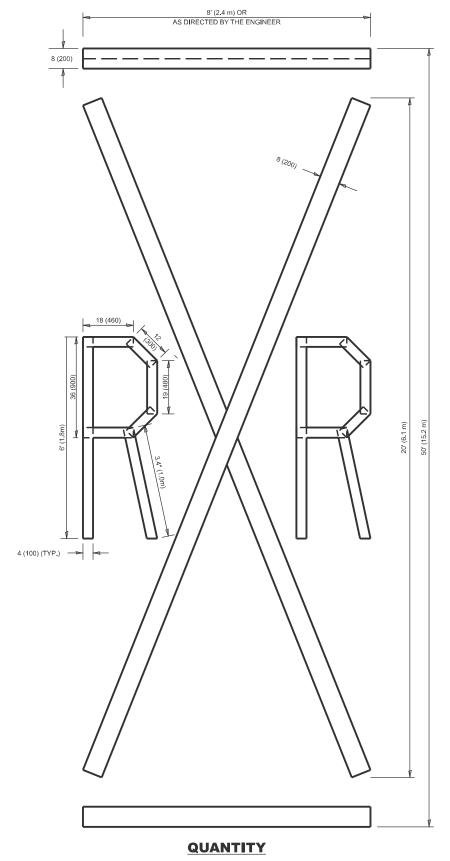


QUANTITY

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

NOTE:

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



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.

SHEETS NO.

CONTRACT NO. 62X62

соок

USER NAME = Eric.L.Thomas	DESIGNED -	REVISED	- T. RAMMACHER 03-02-98
	DRAWN -	REVISED	- E. GOMEZ 08-28-00
	CHECKED -	REVISED	- E. GOMEZ 08-28-00
PLOT DATE = 8/20/2024	DATE - 09-18-94	REVISED	- A SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS							SEC	SECTION	
						3520	2024	-1022 - F	
							TC-10	õ	
NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			ILLINOIS	

FILE NAME: \\illinois.gov\DOT\Users\CC

RTMENT OF TRANSPORTATION

SCALE: NONE

