04-29-2022 LETTING ITEM 102

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.U. ROUTE 2786 (LEHIGH AVE.)
OAKTON ST. TO TOUHY AVE.
SECTION: 2021–102–RS&SW PROJECT: STP-5UJG(656) **DESIGNED OVERLAY COOK COUNTY**

C-91-227-21

LOCATION MAP CHURCH ST **OMISSION:** STA. 40 + 99 TO STA 44 + 39 PROJECT BEGINS STA. 15+95 PROJECT ENDS STA. 70 + 95

NILES TOWNSHIP

GROSS LENGTH = 5,500 FT. = 1.04 MILE NET LENGTH = 5,160 FT. = 0.98 MILE

STATE OF ILLINOIS

PROJECT IS LOCATED IN: **VILLAGE OF MORTON GROVE VILLAGE OF NILES**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA:

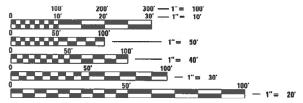
0

0

0

OAKTON ST. TO HOWARD ST: 5,600 ADT (2018) HOWARD ST. TO TOUHY AVE: 7,600 ADT (2018)

SPEED LIMIT = 35 MPH



ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS. THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240 PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62P30

2021-102-RS&SW

D-91-190-21



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUBMITTED JOHNSON 31 20 22

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE STANDARDS

SHEET NO.	STANDARD SYMBOLS, ABBREVIATIONS AND	VID D
1	STANDARD SIMBOLS, ADDREVIATIONS AND	ND FF
	CLASS C AND D PATCHES	
2	HMA SHLD, STRIPS/SHLDS. WITH RESURFARESURFACING PROJECTS	ACIN
3-4	FRAME AND LIDS, TYPE 1	
5		
6-8	FRAME AND GRATE, TYPE 23	
9-11	CONCRETE CURB TYPE B AND COMBINATI AND GUTTER	ION (
12	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO	24′′
13	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONL	LΥ
14	OFF-ROAD OPERATIONS, MULTILANE, 15' T	TO 2
15	LANE CLOSURE, 2L, 2W, SHORT TERM OPE	PERAT
16	LANE CLOSURE, 2L, 2W, MOVING OPERATION	IONS,
17	LANE CLOSURE, MULTILANE INTERMITTEN	NT OF
•	URBAN LANE CLOSURE, 2L, 2W, UNDIVID	DED
18	URBAN LANE CLOSURE, 2L, 2W, WITH BI	3IDIRE
19	URBAN SINGLE LANE CLOSURE, MULTILA	ANE,
20	URBAN LANE CLOSURE, MULTILANE INTER	ERSEC
21	TRAFFIC CONTROL DEVICES	
22	TYPICAL PAVEMENT MARKINGS	
23	DETECTOR LOOP INSTALLATIONS	
24	TYPICAL LAYOUTS FOR DETECTION LOOP)PS
24	TYPICAL LAYOU	TS FOR DETECTION LOG

INDEX OF SHEETS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD, STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-05	FRAME AND LIDS, TYPE 1
604086-05	FRAME AND GRATE, TYPE 23
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TERM OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701427-05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERFOR SPEEDS <= 40 MP
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES:

- 1. BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
- 2. 10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE VILLAGES OF MORTON GROVE AND NILES.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 6. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 7. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 8. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 9. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 10. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 11. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT IN PART OF THIS CONTRACT.
- 12. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 13. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING MACHINE IS SLOPED A MINIMUM (1:3).
- 14. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 15. PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL. (TC-13)
- 16. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, VIA EMAIL AT PATRICE.HARRIS@ILLINOIS.GOV, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS
- 17. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- 18. THE CONTRACTOR MUST USE EXTREME CARE AND CAUTION WHEN MILLING AND PAYING THE PAVEMENT NEAR RR CROSSING SO AS TO AVOID ACCIDENTLY HITTING ANY RR WARNING DEVICES WITH ANY CONSTRUCTION EQUIPMENT (I.E., DUMP TRUCKS OR MILLING MACHINES).
- 19. ALL MILLED SURFACES SHALL BE AT UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- 20. TEMPORARY PAVEMENT MARKING, TYPE III TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 21. THE CONTRACTOR SHALL NOT STORE OR PARK ANY HEAVY EQUIPMENT OR VEHICLES INSIDE THE RAILROAD RIGHT OF WAY.

USER NAME = aladdinro	DESIGNED -	REVISED - RA, 03/16/2022
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2022	DATE -	REVISED -

STATE C	F ILLIN	IOIS
DEPARTMENT OF	TRAN	SPORTATION

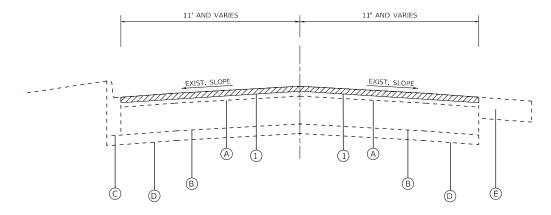
SCALE:

INDEX OF	SHEETS, S	TATE S	STANDAR	DS A	ND GENERAL NOTES	F.A.U RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
ı	FHICH AVI	= _ n^	том ст	TΩ	TOUHY AVE.	2786	2021-102-RS&SW		COOK	24	2
	LLIIJUII AVI	– UA	KION 31	. 10				CONTRAC	T NO. 62	P30	
	SHEET	OF	SHEETS	STA	TO STA		TLUMOIS	EED AL	D DDOJECT		

	SUMMARY OF QUANTITIES				CO	NSTRUCTION	N TYPE CODE		SIIMMAI	RY OF QUANTITIES				COI	NSTRUCTIO	N TYPE CO	ODE	
	33,11,11,123		TOTAL	0005	0005				301111171	TO GOARTITIES		TOTAL	0005	0005				
CODE NO	ITEM	UNIT	QUANTITIES URBAN	80% FED 20% STATE	100% STATE			CODE NO		ITEM	UNIT	QUANTITIES URBAN	80% FED 20% STATE	100% STATE				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	45	45				44201733	CLASS D PATC	HES, TYPE III, 7 INCH	SO YD	190	190					
25200110	SODDING, SALT TOLERANT	SO YD	45	45				44201735	CLASS D PATC	HES, TYPE IV, 7 INCH	SQ YD	95	95					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	14169	14169				44201789	CLASS D PATC	HES, TYPE II, 12 INCH	SO YD	200	200					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	9652	9652				44201794	CLASS D PATC	HES, TYPE III, 12 INCH	SQ YD	155	155					
40600370	LONGITUDINAL JUINT SEALANT	7001	7632	9632				44201734	CLASS D FAIC	nes, Tire III, 12 INCh	30 10	155	155					
40600400	MIXTURE FOR CRACKS, JOINTS, AND	TON	32	32				44201796	CLASS D PATC	HES, TYPE IV, 12 INCH	SQ YD	95	95					
	FLANGEWAYS							48102100	AGGREGATE WE	DGE SHOULDER, TYPE B	TON	25	25					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SO YD	160	160														
	JOINT							60300105	FRAMES AND G	RATES TO BE ADJUSTED	EACH	10	10					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER	TON	301	301				60300305	FRAMES AND L	IDS TO BE ADJUSTED	EACH	5	5					
	PATCHES																	
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5,N70	TON	2351	2351				60406100	FRAMES AND L	IDS. TYPE 1, CLOSED LID	EACH	4	4					
								67100100	MOBILIZATION		L SUM	1	1					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5.	TON	2058	2058														
	MIX "D", N70							70102620		ROL AND PROTECTION.	L SUM	1	1					
42001300	PROTECTIVE COAT	SO YD	67	67					STANDARD 701	501								
								70102622	TRAFFIC CONT	ROL AND PROTECTION.	L SUM	1	1					
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	20991	20991					STANDARD 701	502								
44002220	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5"	SO YD	1073	1073				70102625	TRAFFIC CONT	ROL AND PROTECTION,	L SUM	1	1					
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SO YD	200	200					STANDARD 701	606								
- 120.723	22 22 2 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	33 15		200														
																	PECIALTY	
FILE NAME = pw:\\ildot-pw.bentley.com	USER NAME = tartqfm DES m=PWIDDT\Documents\DDT Offices\District \Projects\Di902P\CADData\Design\Di902Fstr-S00 ddPR A	SIGNED -		REVISED REVISED	-		STATE 0	F ILLINOIS			RY OF QUANT			F.A.U RTE. 2786	SECTIO2-		COUNTY SH	
		ECKED - TE -		REVISED REVISED	-		DEPARTMENT OF	TRANSPORTA	TION	SCALE: SHEET NO. OF			O STA.		D DIST. NO. 1 IL		CONTRACT N	

	SUMMARY OF QUANTITIES				CO	NSTRUCTION TYPE	CODE			SUMMARY OF QUANTITIES				CC	NSTRUCTION	TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE	0005 100% STATE				CODE NO	ITEM	UNIT	TOTAL QUANTITIES URBAN	0005 80% FED 20% STATE	0005 100% STATE			
70102635	TRAFFIC CONTROL AND PROTECTION.	L SUM	1	1					* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	266	266				
	STANDARD 701701																
									78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	266	266				
70300100	SHORT TERM PAVEMENT MARKING	F00T	8511	8511						REMOVAL							
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	3542	3542					78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	4421	4421				
70300211	TEMPORARY PAVEMENT MARKING LETTERS	SO FT	268	268					₩ 88600600	DETECTOR LOOP REPLACEMENT	FOOT	228	228				
	AND SYMBOLS - PAINT																\perp
									X2020110	GRADING AND SHAPING SHOULDERS	UNIT	10	10				
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	F00T	8524	8524													
									X4400501	COMBINATION CURB AND GUTTER REMOVAL	FOOT	100	100				
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	2058	2058						AND REPLACEMENT LESS THAN OR EQUAL							
										TO 10 FEET							
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	F00T	107	107	<u> </u>												
									x5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	150		150			
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	88	88													
									x6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	11	11				
70306120	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2113	2113						(SPECIAL)							
	- TYPE III TAPE																
									X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6				
78000100	THERMOPLASTIC PAVEMENT MARKING -	SO FT	268	268													_
	LETTERS AND SYMBOLS								Z0004562	COMBINATION CONCRETE CURB AND GUTTER	F00T	100	100				
										REMOVAL AND REPLACEMENT							
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8524	8524													_
									Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10		10			1
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2058	2058													1
									Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				_
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	107	107													<u> </u>
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	88	88												* = SPECIALTY	 ITE
FILE NAME =		GIGNED -		REVISED				ATE OF	II I INIOIE	SUMMAR	Y OF QUANT	ITIES		F.A.U RTE.	SECTION		TOTAL
w:\\Idof-pw.benfley.co		CKED -		REVISED REVISED REVISED	-		DEPARTME	ATE OF NT OF T		I EUIGU AVE OA	KTON ST. TO	TOUHY AVE	O STA.	2786	2021-102-RS	COOK CONTRACT OIS FED. AID PROJECT	

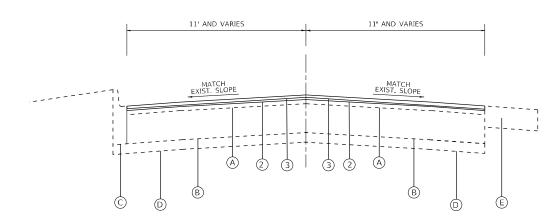
LEHIGH AVE



EXISTING TYPICAL SECTON

STA. 15+95 TO STA. 40+99 STA. 44+39 TO STA. 70+95

LEHIGH AVE



PROPOSED TYPICAL SECTON

STA. 15+95 TO STA. 40+99 STA. 44+39 TO STA. 70+95

LEGEND - EXISTING:

- A HOT-MIX ASPHALT PAVEMENT, +/- 5"
- B PORTLAND-CEMENT CONCRETE PAVEMENT, +/- 7"-12"
- C COMBINATION CONCRETE CURB & GUTTER, B-6.24
- D STABLIZED SUB-BASE
- E DRIVEWAY

<u>LEGEND - PROPOSED</u>

- 1 HOT-MIX ASPHALT SURFACE REMOVAL, 3.75"
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 2"
- (3) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX 'D", N70 1.75"

NOTES:

- THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.
- 2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER HMA BINDER IL-9.5 N70.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS									
MIXTURE TYPE	AIR VOIDS @ Ndes	PROGRAM (QMP)							
DESIGNED OVERLAY									
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 2"	4.0% AT 70 GYR	QCP							
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX 'D", N70 1.75"	4.0% AT 70 GYR	QCP							
PATCHING									
CLASS D PATCHES (HMA BINDER IL-19 mm)	4.0% AT 70 GYR	QC/QA							
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4.0% AT 70 GYR	QC/QA							
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR P	PERFORMANCE (QCP); PAY FOR PER	RFORMANCE (PFP)							

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)
NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

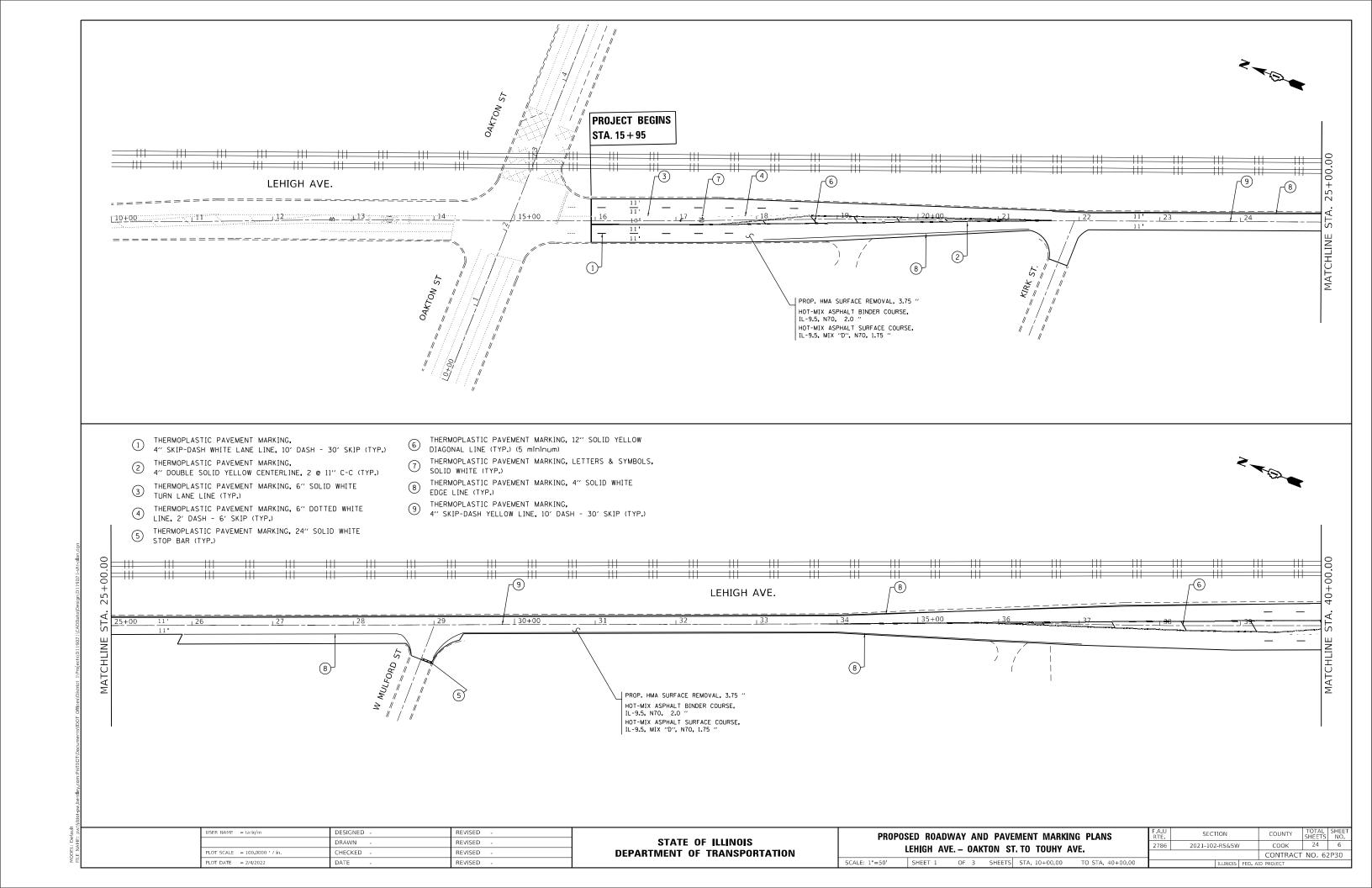
NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

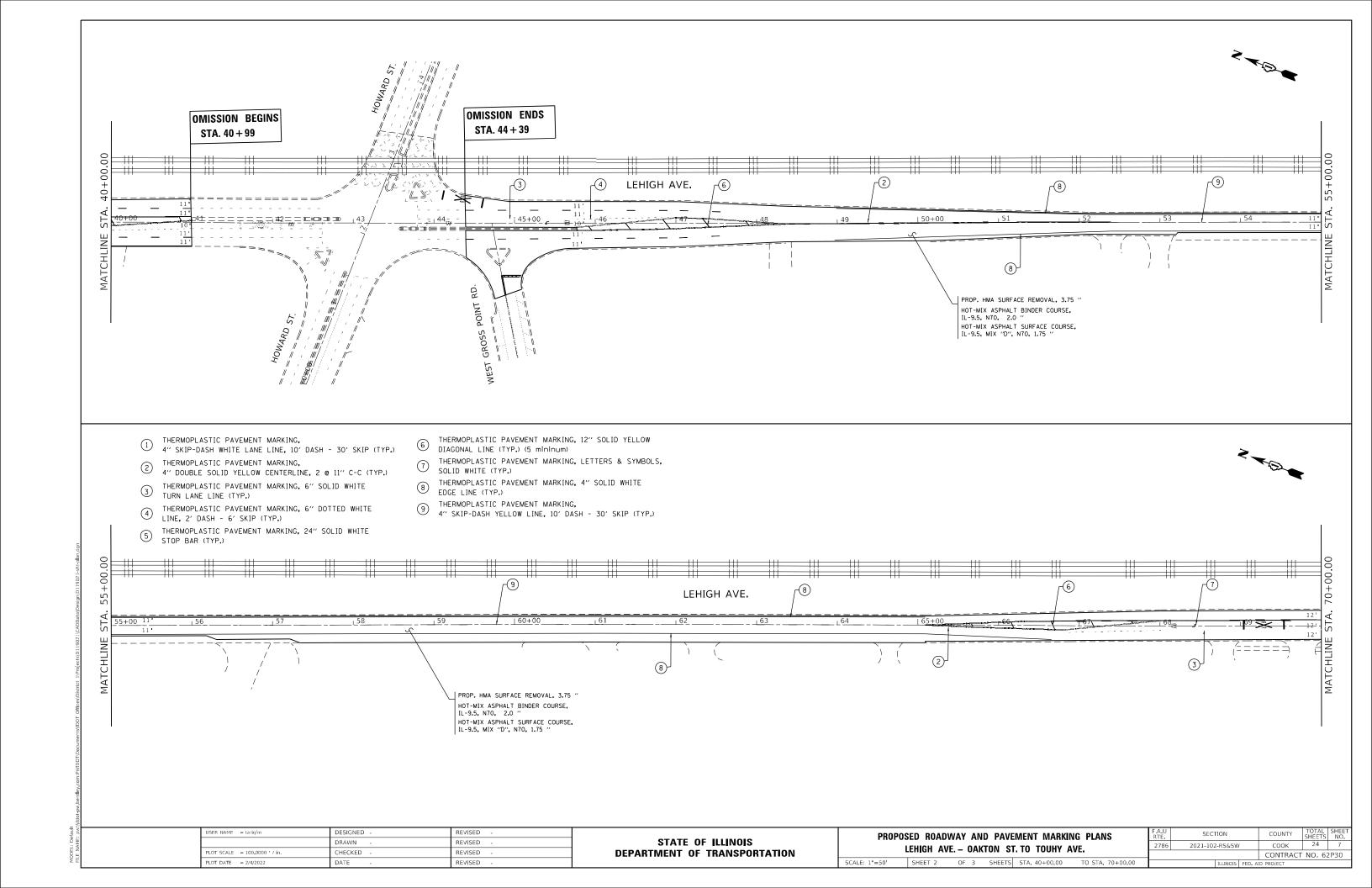
USER NAME = tariqfm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 2/4/2022	DATE -	REVISED -

E	(ISTING AN	D PRO	POSED	TYPIC	CAL SECTIONS	F.A.U. RTE	SECT	ПОИ	
- 1	EHIGH AVE	2786	2021-102	?-RS&SW	V				
	LIIJOII AVE	. – UAI	(1014 01		TOOITI AVL.				
	SHEET	OF	SHEETS	STΔ	TO STA			II LIMOIC	Lee

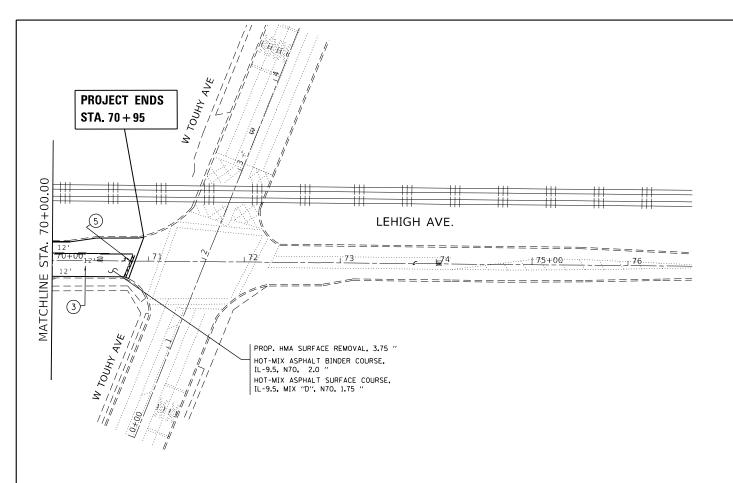
COOK 24 5

CONTRACT NO. 62P30









- THERMOPLASTIC PAVEMENT MARKING,
 4" SKIP-DASH WHITE LANE LINE, 10' DASH 30' SKIP (TYP.)
 THERMOPLASTIC PAVEMENT MARKING,
- 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
- 3 THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE TURN LANE LINE (TYP.)
- THERMOPLASTIC PAVEMENT MARKING, 6" DOTTED WHITE LINE, 2" DASH 6' SKIP (TYP.)
- 5 THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
- THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE (TYP.) (5 mininum)
- THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS, SOLID WHITE (TYP.)
- 8 THERMOPLASTIC PAVEMENT MARKING, 4" SOLID WHITE EDGE LINE (TYP.)
- THERMOPLASTIC PAVEMENT MARKING,
 4" SKIP-DASH YELLOW LINE, 10' DASH 30' SKIP (TYP.)

USER NAME = tariqfm	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	ı
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	l
PLOT DATE = 2/4/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY AND PAVEMENT MARKING PLANS
LEHIGH AVE. – OAKTON ST. TO TOUHY AVE.

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 70+00.00 TO STA. 76+00.00

MODEL: Default FILE NAME: pw:\\ildot_pw.bentle

SHEET INTENTIONALLY LEFT BLANK

 USER NAME
 = aladdinro
 DESIGNED
 REVISED

 DRAWN
 REVISED

 PLOT SCALE
 = 100,0000 ' / in.
 CHECKED
 REVISED

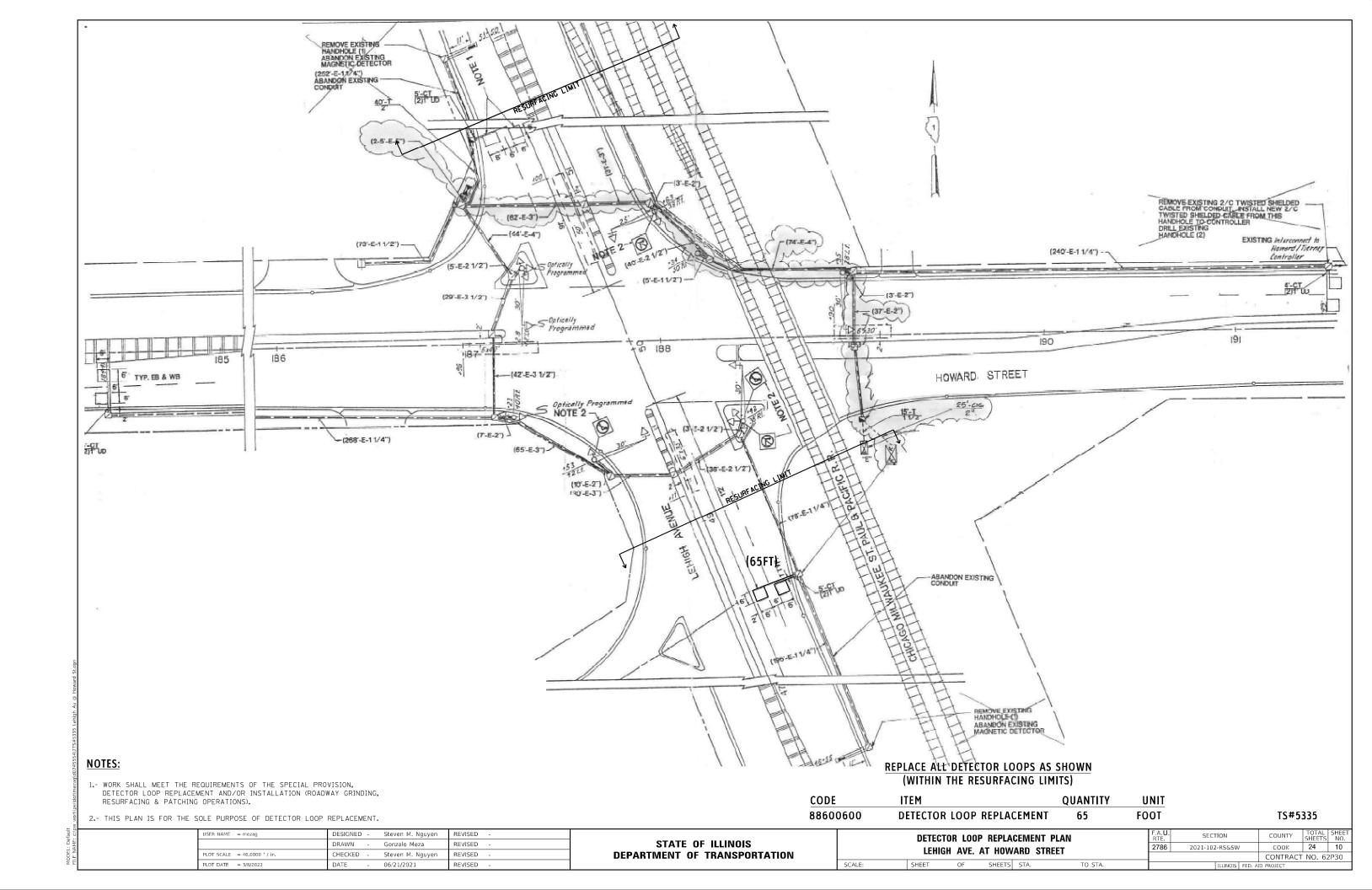
 PLOT DATE
 = 3/16/2022
 DATE
 REVISED

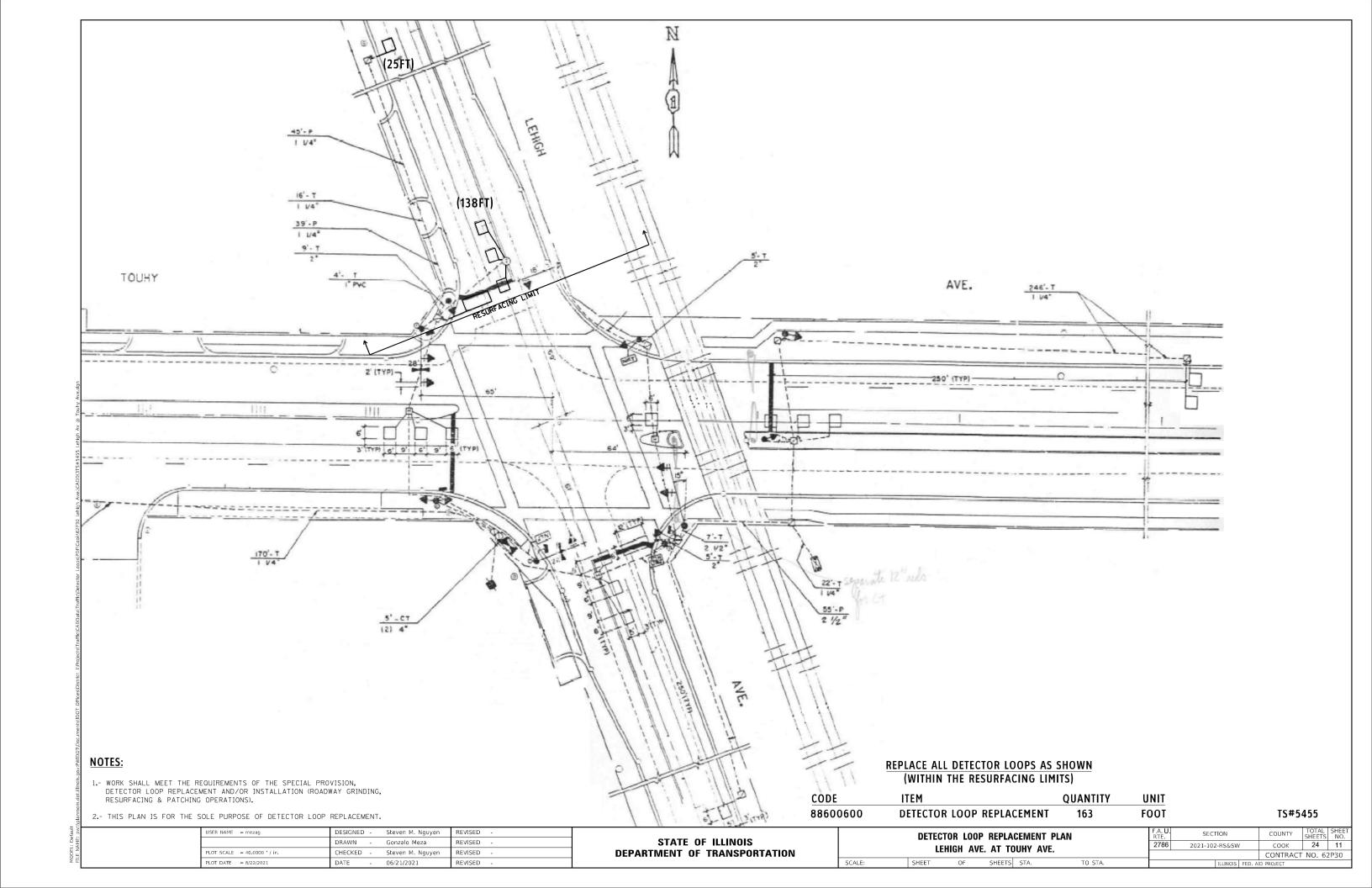
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

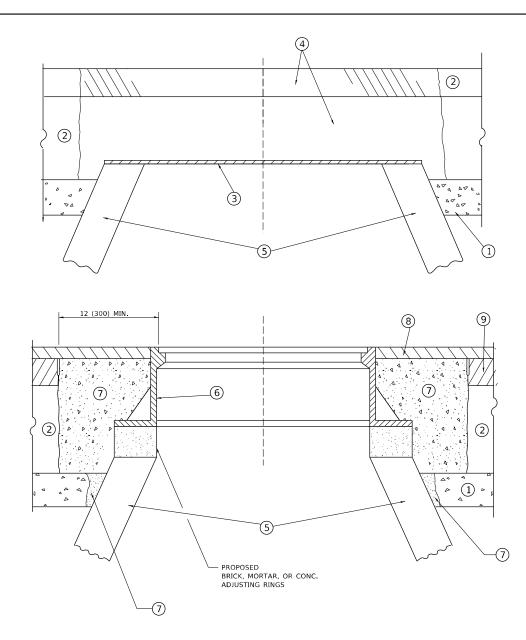
LEHIGH AVE. - OAKTON ST. TO TOUHY AVE.

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

MODEL: Default







DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

<u>NOTES</u>

- 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.

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. 1 1/2 (40) 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-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- *UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

1 SUB-BASE GRANULAR MATERIAL

(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

4 PROPOSED CRUSHED STONE AND HMA SURFACE MIX

(9) PROPOSED HMA BINDER COURSE

(5) EXISTING STRUCTURE

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

- 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

24 12

JSER NAME = tariqfm R. SHAH REVISED - R. BORO 01-01-07 DESIGNED -DRAWN REVISED - R. BORO 03-09-11 LOT SCALE = 100.0000 / in. HECKED REVISED - R. BORO 12-06-11 PLOT DATE = 2/2/2022 10-25-94 REVISED - K. SMITH 02-01-22 DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

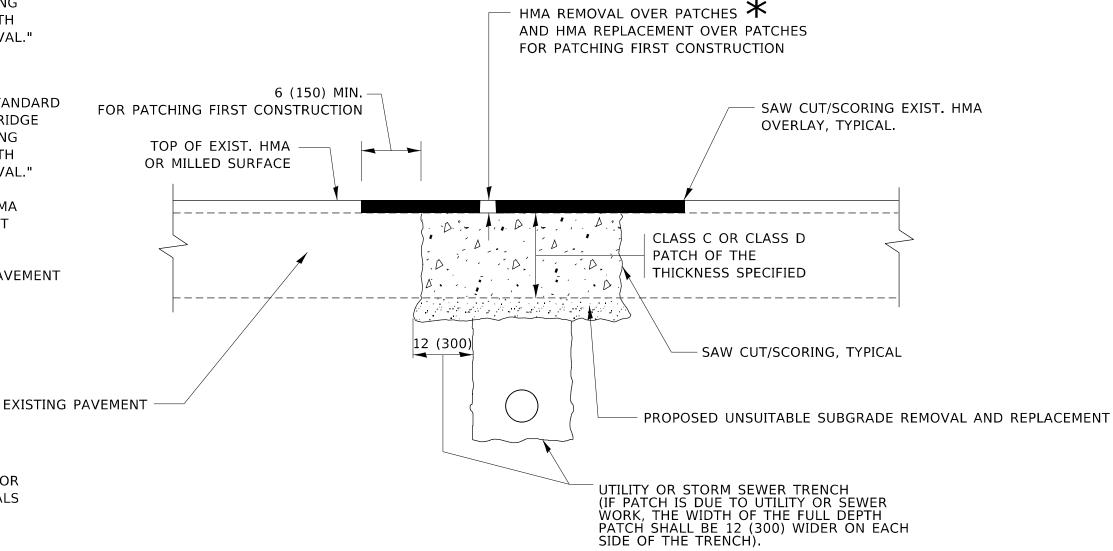
DETAILS FOR 2021-102-RS&SW COOK FRAMES AND LIDS ADJUSTMENT WITH MILLING BD600-03 (BD-08) CONTRACT NO. 62P30 SHEET 1 OF 1 SHEETS STA.

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEE TYPICAL SECTIONS FOR

THICKNESS AND MATERIALS

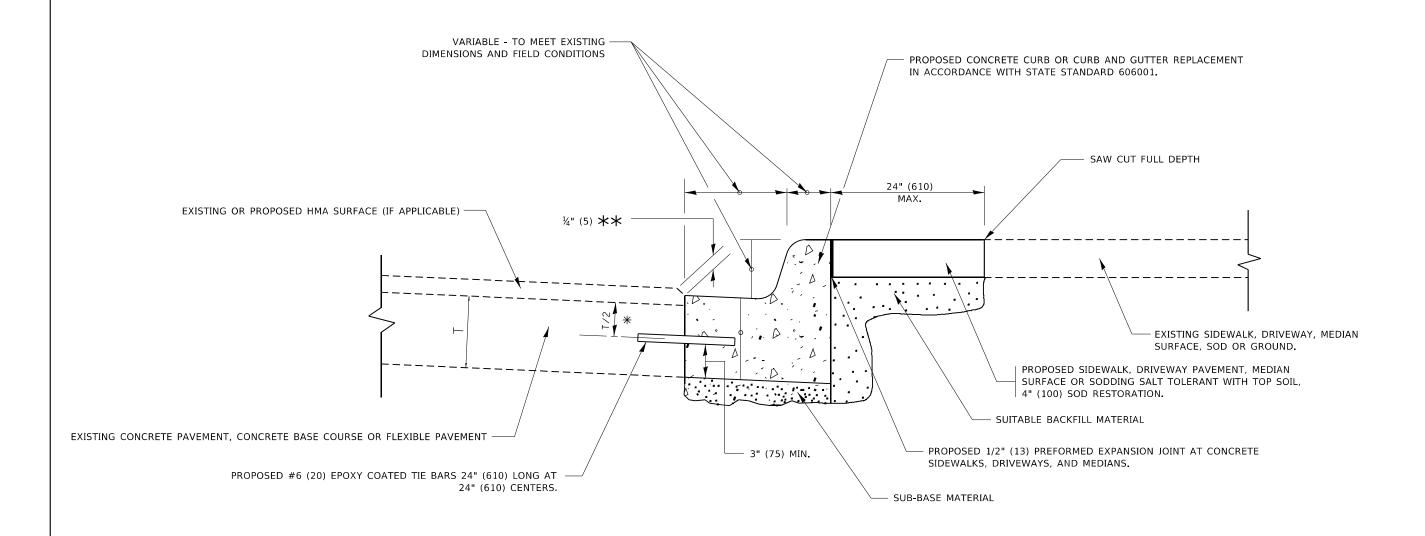
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

- 1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ 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.

USER NAME = tariqfm	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07		PAVEMENT PATCHING FOR	F.A.U RTF	SECTION	COUNTY	TOTAL	SHEET NO.
	DRAWN -	REVISED - R. BORO 09-04-07	STATE OF ILLINOIS	HMA SURFACED PAVEMENT	2786	2021-102-RS&SW	СООК	24	13
PLOT SCALE = 100,0000 / in.	CHECKED -	REVISED - K. ENG 10-27-08	DEPARTMENT OF TRANSPORTATION	HIMA SURFACED PAVEMENT		BD400-04 (BD-22)	CONTRAC	T NO. 62	2P30
PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED	AID PROJECT		$\overline{}$



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

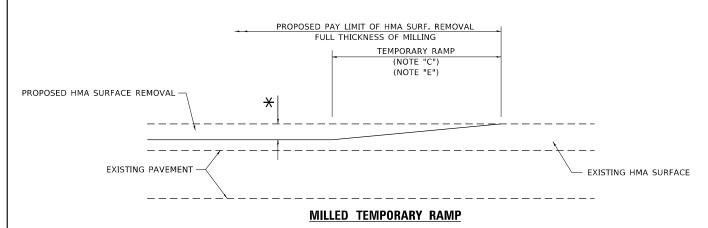
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

CONTRACT NO. 62P30

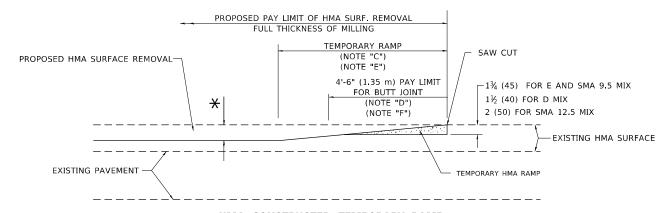
BD600-06 (BD-24)

USER NAME = tariqfm	DESIGNED - A. HOUSEH DRAWN -	REVISED - A. ABBAS 03-21-97 REVISED - M. GOMEZ 01-22-01	STATE OF ILLINOIS			GUTTER
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED - R. BORO 12-15-09	DEPARTMENT OF TRANSPORTATION		REMOVAL AND REPLA	ACEMENT
PLOT DATE = 2/2/2022	DATE - 03-11-94	REVISED - K. SMITH 07-11-19		SCALE: NONE	SHEET 1 OF 1 SHEETS S	STA.



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

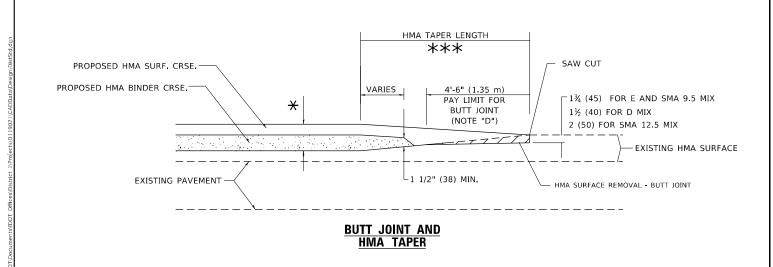


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

SURFACE REMOVAL - BUTT JOINT
30'-0" (9.0 m) (NOTE "A")
15'-0" (4.5 m) (NOTE "B")
(NOTE "D")
40'-0" (12.0M) (NOTE "A1")

** ** EXISTING PAVEMENT

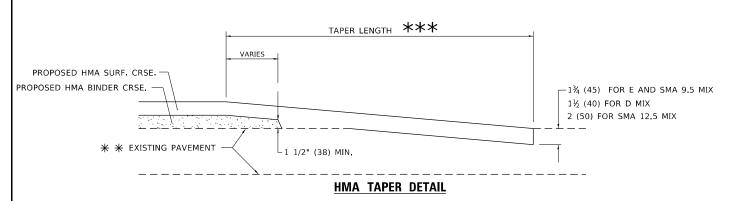
** ** EXISTING PAVEMENT

** ** EXISTING PAVEMENT

** ** EXISTING PAVEMENT

** ** ** EXISTING PAVEMENT

PROPOSED HMA OR PCC



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.

SHEET 1

- igstar 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".
- THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

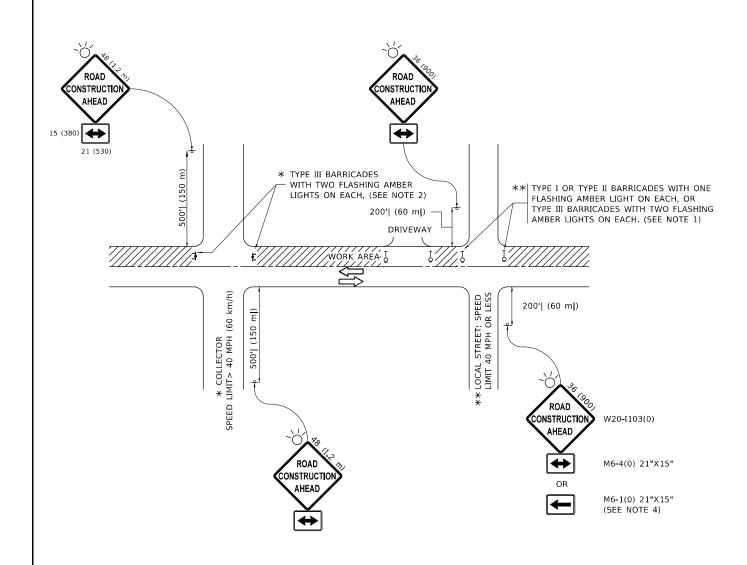
SCALE: NONE

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

USER NAME = tariqfm	DESIGNED - M. DE YONG	REVISED	-	A. ABBAS 03-21-97
	DRAWN -	REVISED	-	M. GOMEZ 04-06-01
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	-	R. BORO 01-01-07
PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED	-	K SMITH 02-01-22

STATE	E 0	F ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

BUTT JOINT AND					F.A.U RTE	SECTION		COUNTY	TOTAL SHEETS	SHEE NO.
HMA TAPER DETAILS			2786	2021-102-RS&SW		COOK	24	15		
HMA TAPER DETAILS						BD400-05 BD-32		CONTRACT	NO. 62	2P30
1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS	FED. AI	D PROJECT		



NOTES:

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- 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).

SCALE: NONE

- 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.

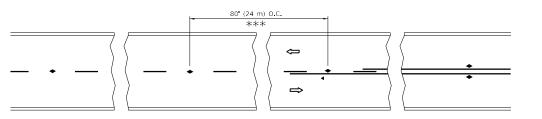
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = tariqfm	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 = 2/2/2022	DATE - 06-89	REVISED _ A. SCHUETZE 09-15-16

STATE	0F	ILLINOIS
DEPARTMENT C)F T	TRANSPORTATION

SI							TION FOR DRIVEWAYS
	SHEET	1	OF	1	SHEETS	STA.	TO STA.

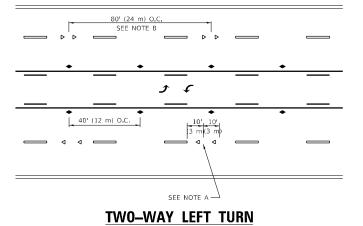
F.A.U RTE	SEC ⁻	COUNTY	TOTAL SHEETS	SHE		
2786	2021-102	соок	24	16		
TC-10				CONTRACT	NO. 62	2P30
ILLINOIS FED. AII			ID PROJECT			



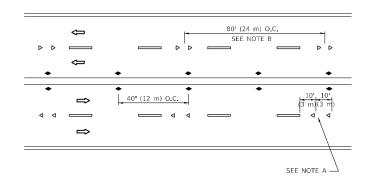
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

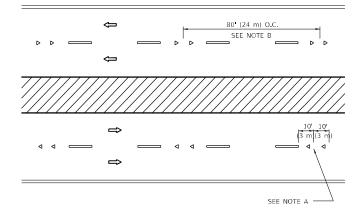
LANE REDUCTION TRANSITION

SEE FIGURE 3B-14 MUTCD



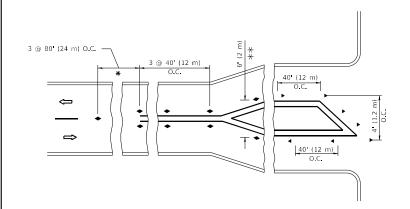
TW0-LANE/TW0-WAY

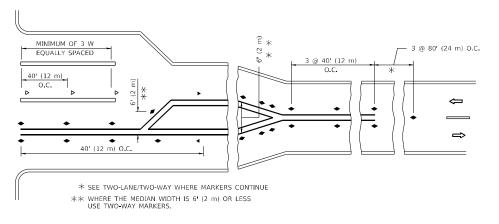




MULTI-LANE/UNDIVIDED







TURN LANES

GENERAL NOTES

- 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.
- 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
 = tarlqfm
 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
 = 2/2/2022
 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

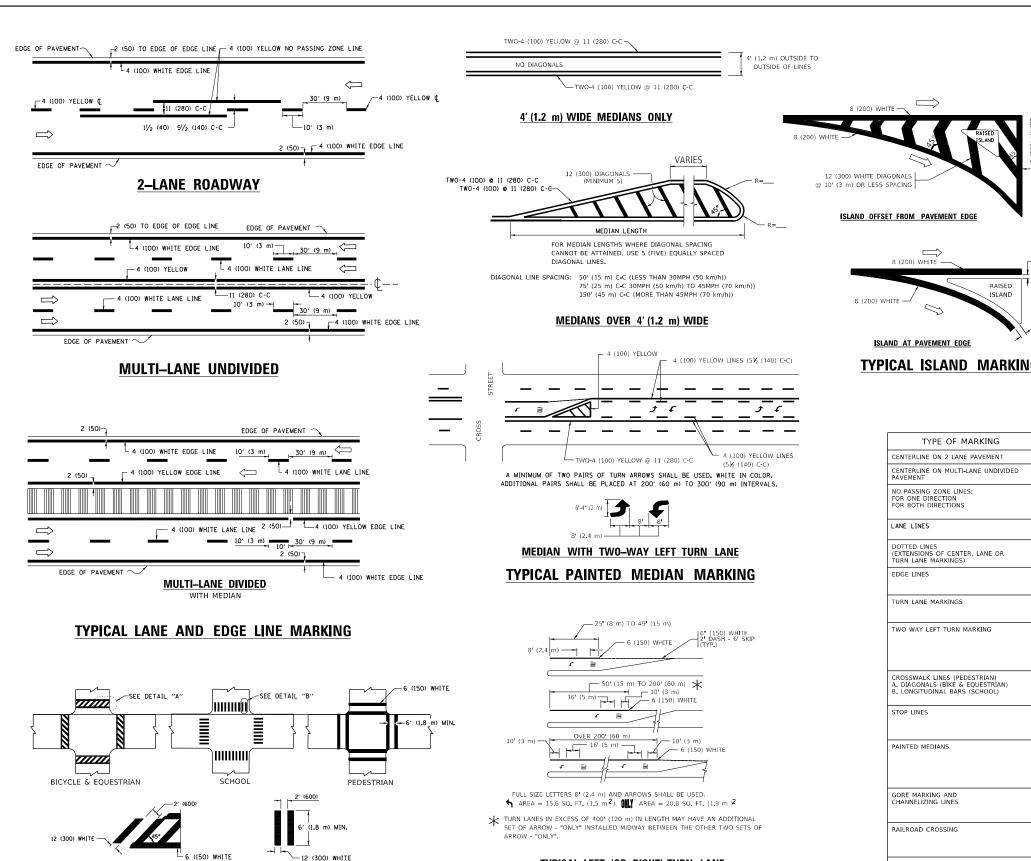
ONE-WAY AMBER MARKER

TWO-WAY AMBER MARKER

ONE-WAY CRYSTAL MARKER (W/O)

YELLOW STRIPE

■ WHITE STRIPE



TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

EVERS DESIGNED -C. JUCIUS 09-09-09 DRAWN REVISED C. JUCIUS 07-01-13 HECKED REVISED DATE

DETAIL "B"

DETAIL "A"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.		All dimensions are unless otherwise s		(millimeters)		
DISTRICT ONE	F.A.U RTE	SECTI	ION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS	2786	2021-102-	RS&SW	соок	24	18
TIT JOAL I AVEINENT INIAIINJINGS		TC-13		CONTRAC	T NO. 6	2P30
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.			ILLINOIS FE	ED. AID PROJECT		

Γ	– 2 (50) <u>LE</u>	FT AND) U_TURN	
]	— 2 (50) (8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32 1 20 (5 (5)	(1620) (1620)	LANE REDUCTION TRANSITION LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.
	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
	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
	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
	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
	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.
	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
	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.
	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/n) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
	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 P
	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))
	SEE DETAIL	SOLID	WHITE	16.3 SF
	SEE DETAIL	SOLID	WHITE	30.4 SF

COMBINATION

8 (200) WHITE -

TYPE OF MARKING

ENTERLINE ON 2 LANE PAVEMENT

DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)

NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS

URN LANE MARKINGS

TWO WAY LEFT TURN MARKING

CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EOUESTRIAN)

LONGITUDINAL BARS (SCHOOL)

LANE LINES

EDGE LINES

STOP LINES

PAINTED MEDIANS

GORE MARKING AND CHANNELIZING LINES

RAILROAD CROSSING

SHOULDERS > 8')

2 ARROW COMBINATION LEFT AND U TURN

J TURN ARROW

SHOULDER DIAGONALS (REQUIRED FOR

D(FT)

665

SPEED LIMIT

50

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

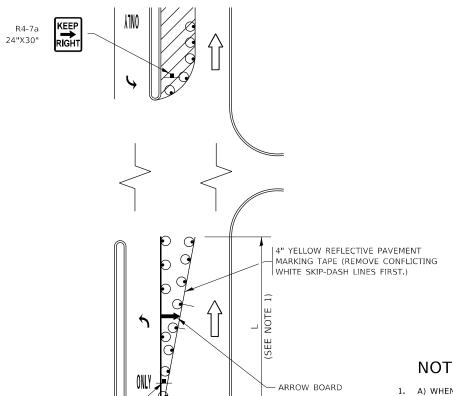


FIGURE 1

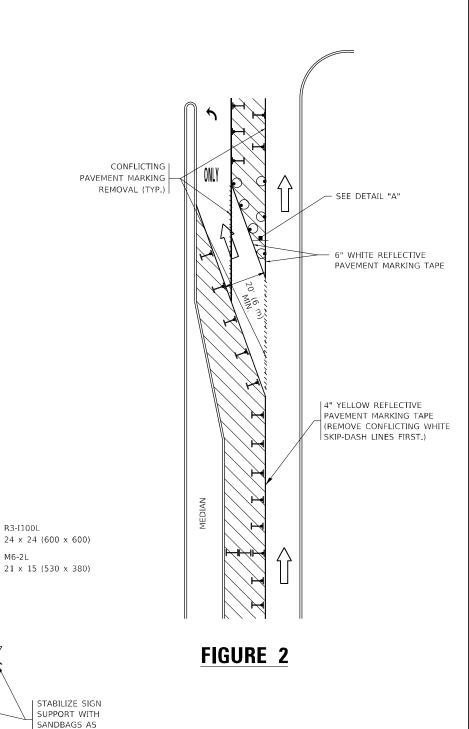
SEE DETAIL "A"

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

NOTES:

- 1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 - B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- 6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREOUIREMENTS.
- 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE



DETAIL A

TURN

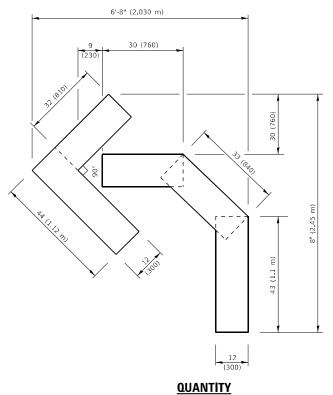
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = tariqfm	DESIGNED	- T.	RAMMACHER 09-08-94	REVISED	-	R. BORO 09-14-09
	DRAWN	-	A. HOUSEH 11-07-95	REVISED	- A.	SCHUETZE 07-01-13
PLOT SCALE = 100.0000 / in.	CHECKED	-	A. HOUSEH 10-12-96	REVISED	- A.	SCHUETZE 09-15-16
PLOT DATE = 2/2/2022	DATE	- T.	RAMMACHER 01-06-00	REVISED	-	

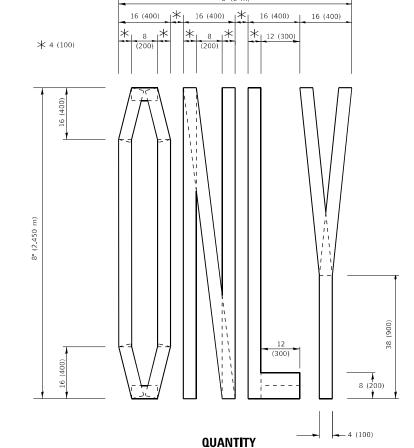
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

TRAF					PROTEC OPEN		AT TURN BAYS Affic)
SCALE: NONE	SHEET	1	OF	1	SHEETS	STA.	TO STA.

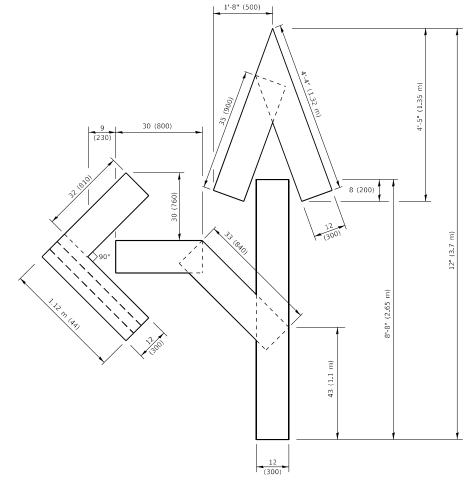
SECTION 2021-102-RS&SW соок 24 19 TC-14 CONTRACT NO. 62P30



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) 21.4 sq. ft. (1.99 sq. m)

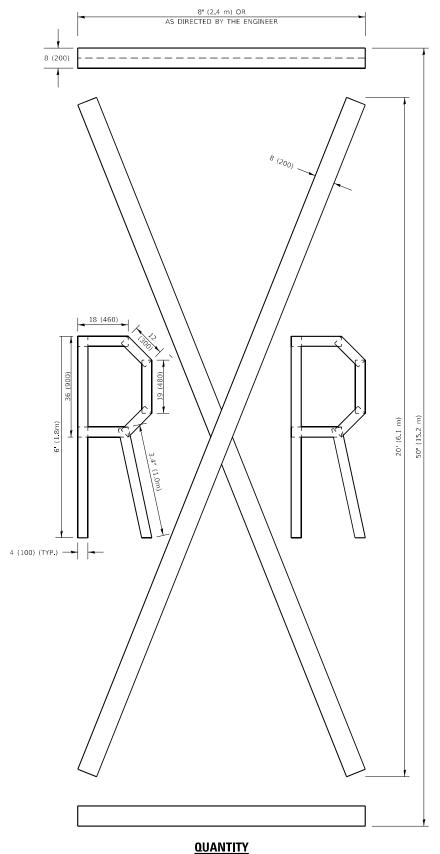


QUANTITY

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)

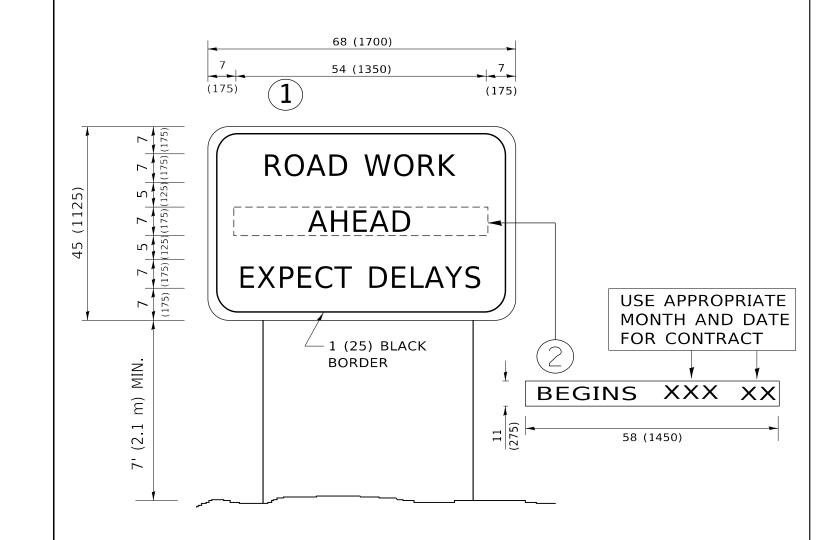
> All dimensions are in inches (millimeters) un**l**ess otherwise shown.

USER NAME = tariqfm	DESIGNED -	REVISED	- T. RAMMACHER 03-02-98
	DRAWN -	REVISED	- E. GOMEZ 08-28-00
PLOT SCALE = 100.0010 / in.	CHECKED -	REVISED	- E. GOMEZ 08-28-00
PLOT DATE = 2/2/2022	DATE - 09-18-94	REVISED	- A. SCHUETZE 09-15-16

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SHORT TE	RM	PAV	EMENT	MARKIN	G LETTERS	S AND SYMBOLS
SCALE: NONE	SHEET	1	OF 1	SHEETS	STA.	TO STA.

ALU SECTION COUNTY TOTAL SHE SHEET S							
RTE. SECTION COUNTY SHEETS NO		TC-16			CONTRACT	NO. 62	2P30
	2786	2021-102	2-RS&SW	,	соок	24	20
		SECT	TION .		COUNTY	TOTAL SHEETS	



NOTES:

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

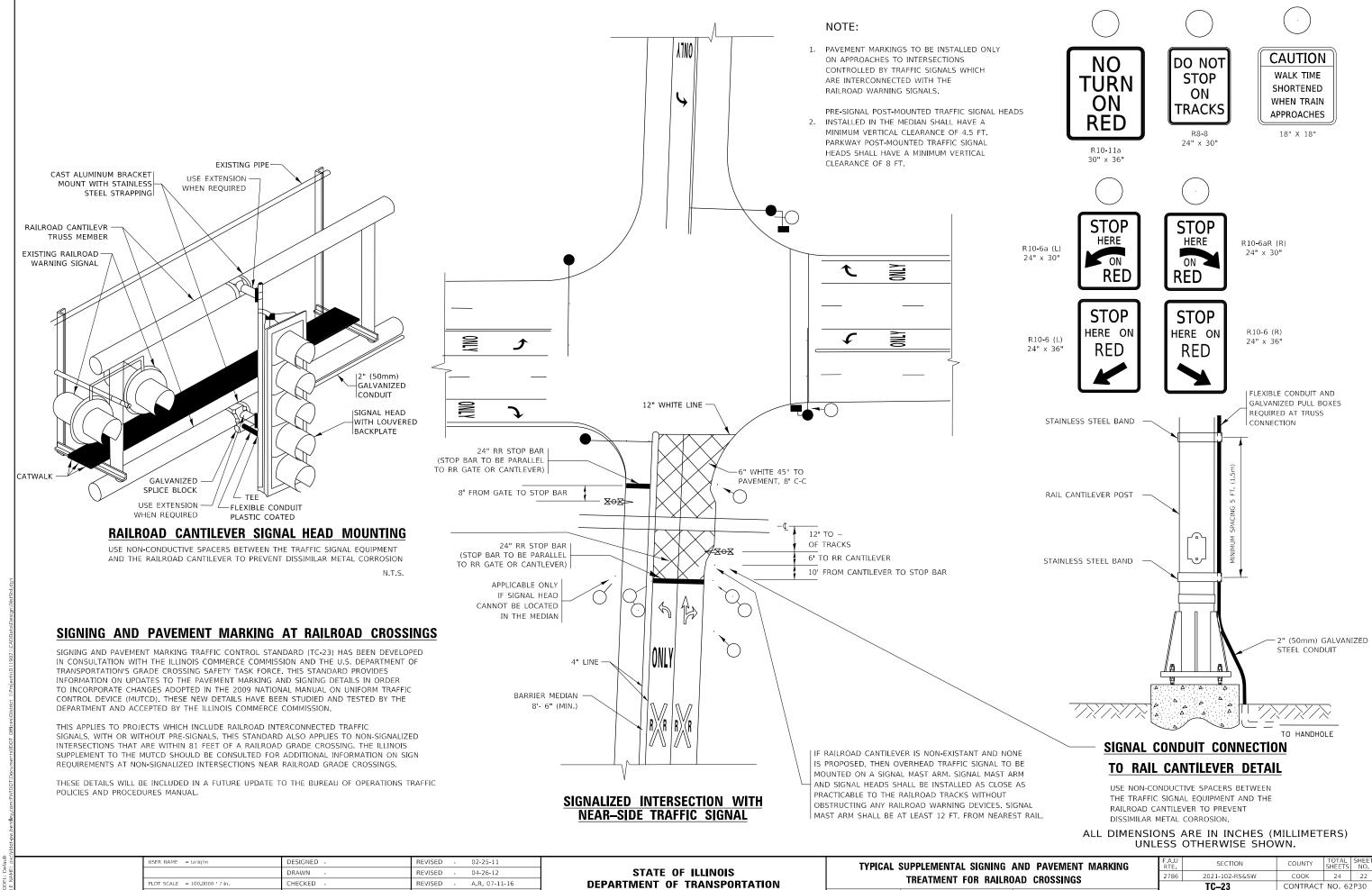
SCALE: NONE

7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

USER NAME = tariqfm	DESIGNED -	REVISED	-	R. MIRS 09-15-97
	DRAWN -	REVISED	-	R. MIRS 12-11-97
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	- T.	RAMMACHER 02-02-9
PLOT DATE = 2/2/2022	DATE -	REVISED	-	C. JUCIUS 01-31-07

ARTERIAL ROAD								SECTION	
INFORMATION SIGN							2786 2021-102-RS&SW		
		HAI C	JNI	VIATION	SIGIN			TC-22	
SHEET	1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	



D.G. 8-22-19

REVISED

TC-23

SHEET 1 OF 2 SHEETS STA.

SCALE: NONE

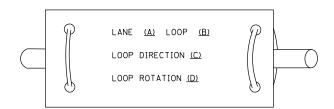
PLOT DATE = 2/2/2022

DATE

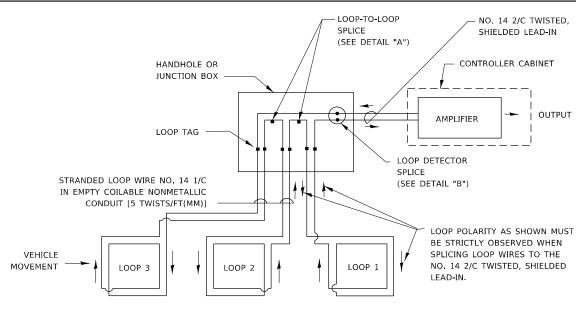
LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- 3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- 4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- 6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- 7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

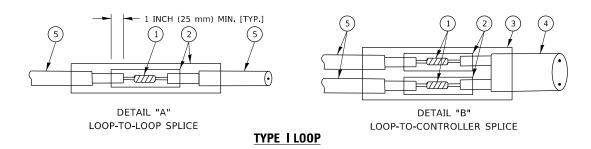


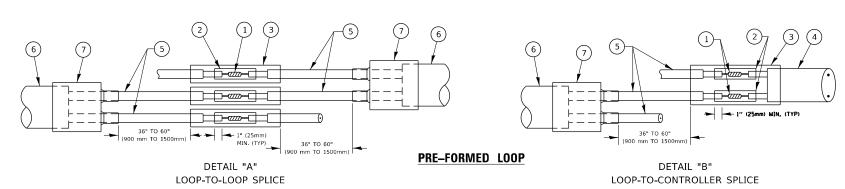
- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES,
 SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.





LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- (2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- (3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- (4) NO. 14 2/C TWISTED, SHIELDED CABLE.

- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- (6) XL POLYOLEFIN 2 CONDUCTOR
- (7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

USER NAME = Bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 2/28/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 DISTRICT ONE
 F.A.U RTE.
 SE

 STANDARD
 TRAFFIC
 SIGNAL DESIGN DETAILS
 2021-1

 SHEET 2
 OF 7
 SHEETS
 STA.
 TO STA.

LOOPS NEXT TO SHOULDERS A PAVEMENT REPLACEMENT

* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS

BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS

SER NAME = tarigfm

PLOT DATE = 2/2/2022

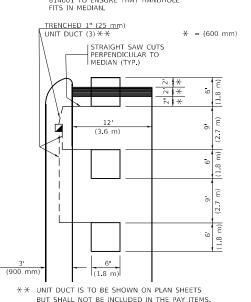
* = (600 mm)

LEFT TURN LANES WITH MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

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



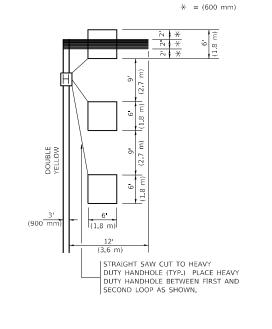
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO

PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS

VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

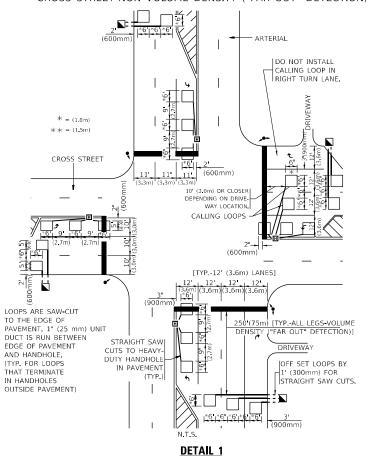
(PROTECTED / PERMITTED LEFT TURN PHASING)



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

SCALE: NONE

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



N.T.S.

DESIGNED

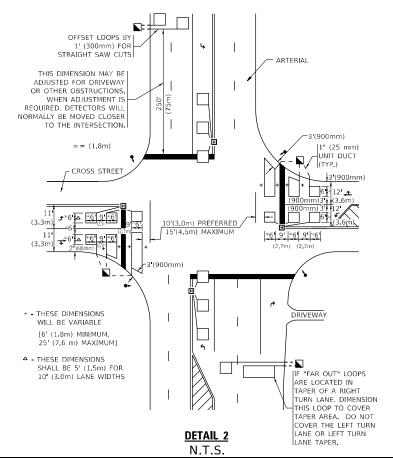
DRAWN

DATE

HECKED

R.K.F

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



NOTES

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

REVISED

REVISED

REVISED

REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

| SHEET 1 OF 1 SHEETS STA. TO STA.

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

 2786
 2021-102-RS&SW
 COOK
 24
 24

 TS-07
 CONTRACT NO. 62P30