

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	1
		ILLINOIS	CONTRACT NO. 62R80	

* 51 + 1 = 52 TOTAL SHEETS

THE IMPROVEMENT IS LOCATED IN
FOREST PARK

PROPOSED
HIGHWAY PLANS

FAU ROUTE 2759: DES PLAINES AVENUE
FROM MADISON STREET TO ROOSEVELT ROAD

SECTION FAU 2759 22 RS

PROJECT STP - AU80 (126)

STANDARD OVERLAY, ADA IMPROVEMENTS
COOK COUNTY

C-91-223-22

R 12, 13 E



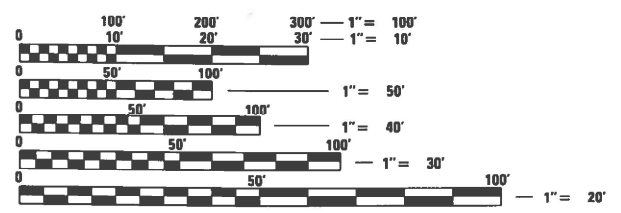
TRAFFIC DATA:

DES PLAINES AVE

STA 13+78 - 69+68
ADT = 18700

STA 13+78 - 42+57
POSTED SPEED LIMIT = 30 MPH

STA 42+57 - 69+68
POSTED SPEED LIMIT = 25 MPH



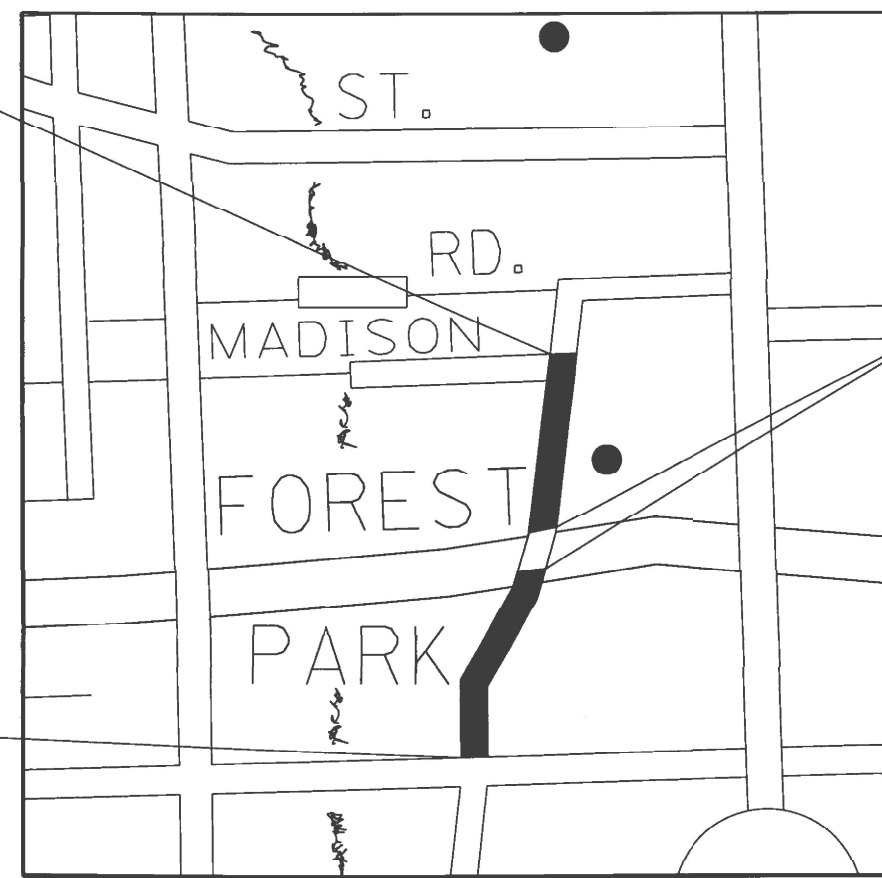
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENDS
STA 69+31

PROJECT BEGINS
STA 14+36

T 39 N



OMISSION
STA 45+95 - 47+89

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255
PROJECT MANAGER: FAWAD AQUEEL

GROSS LENGTH = 5590 FT. = 1.04 MILE
NET LENGTH = 5396 FT. = 1.00 MILE

CONTRACT NO. 62R80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED NOVEMBER 17 20 22
Jose Rios CAS
REGIONAL ENGINEER

December 9, 2022
SEA ERS
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2022
Stephen McNeill
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTION
8-10	ROADWAY AND PAVEMENT MARKING PLANS
11-27	ADA RAMP DETAILS
28-32	TRAFFIC SIGNAL PLANS
33	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
34	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
35	CURB AND GUTTER REMOVAL AND REPLACEMENT
36	BUTT JOINT AND HMA TAPER DETAILS
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41	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
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42A	DRIVEWAY ENTRANCE SIGNING (TC-26)
43-50	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
51	CRACK AND JOINT SEALING DETAIL (PD-11)

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-05	FRAMES AND LIDS TYPE 1
604056-04	FRAME AND GRATE TYPE 11
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF ROAD MOVING OPERATIONS, 2L, 2W, DAILY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701427-05	LANE CLOSURE, MULTIPLANE, INTERMITTENT OR MOVING OPER. FOR SPEED < OR = 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND FOREST PARK.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KAPLANA.KANNA-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, VIA EMAIL AT PATRICE.HARRIS@ILLINOIS.GOV. A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 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.
- 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.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL FINAL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER. AREAS OF SEVERE RUTTING SHALL BE DETERMINED BY ENGINEER BEFORE MILING.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
- DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
- ALL CROSSWALK WILL BE 6' IN WIDTH AND LOCATION OF STOP BARS WILL BE MINIMUM 4' FROM THE CROSSWALK.
- 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.
- ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.

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USER NAME = sher.kh	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES DES PLAINES AVE (ROOSEVELT RD. TO MADISON ST.)	FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -			2759	FAU 2759 22 RS	COOK	51	2	
PLOT DATE = 12/1/2022	CHECKED -	REVISED -			CONTRACT NO. 62R80					
	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021		
20200100	EARTH EXCAVATION	CU YD	70	70				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	90	90				
25200110	SODDING, SALT TOLERANT	SO YD	90	90				
25200200	SUPPLEMENTAL WATERING	UNIT	1	1				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	19197	19197				
40600370	LONGITUDINAL JOINT SEALANT	FOOT	16770	16770				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	44	44				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	553	553				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	259	259				
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-4.75, N50	TON	1173	1173				
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "E", N70	TON	2787	2787				*
42101300	PROTECTIVE COAT	SO YD	756	756				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH	SO YD	8	8				*
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5625	5625				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021		
42400800	DETECTABLE WARNINGS	SO FT	955	955				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	28440	28440				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	8	8				
44000600	SIDEWALK REMOVAL	SO FT	5625	5625				
44002210	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/2"	SO YD	1849	1849				
44200108	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	975	975				
44200112	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	612	612				
44200114	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	262	262				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	28	28				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	30	30				
60300350	MANHOLE FRAMES TO BE ADJUSTED	EACH	2	2				
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	70	70				
66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5				
66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1				

* = SPECIALTY ITEMS

FILE NAME =	USER NAME = sher.khan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DESPLAINES AVE (MADISON ST TO ROOSEVELT RD) SUMMARY OF QUANTITIES	F.A.U. RTE. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\N\dot-pw\berney.com\PW\DOT\Documents\DOT - Office\District\Projects\Des Plaines Ave\CADD\Design\Design\DRW\DRW.dgn	CHECKED -	REVISED -	2759			FAU 2759 22 RS	COOK	51	3
PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -	CONTRACT NO. 62R80						
PLOT DATE = 11/21/2022			SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021			
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	4	4					
67100100	MOBILIZATION	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
								*	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				*	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				*	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16770	16770				*	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1742	1742					
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	311	311				*	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	11176	11176				*	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2598	2598				*	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021			
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	277	277					
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	1840	1840					
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	430	430					
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	5020	5020					
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2					
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	311	311					
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11176	11176					
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2598	2598					
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	277	277					
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1840	1840					
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	430	430					

* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021	
* 78003137	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 7"	FOOT	388	388			
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	388	388			
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	194	194			
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	388	388			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	460	460			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	460	460			
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	8000	8000			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	140		140		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3		3		
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	300		300		
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	100		100		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	300		300		
* 87900200	DRILL EXISTING HANDHOLE	EACH	7		7		
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1907		1907		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	150		150		
* 89502200	MODIFY EXISTING CONTROLLER	EACH	3		3		
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		3		
* 89502376	REBUILD EXISTING HANDHOLE	EACH	4		4		
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1			
* X0327149	RELOCATE BENCH	EACH	2	2			
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1		1		
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	6		6		
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	130	130			

* = SPECIALTY ITEMS

SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			TOTAL QUANTITIES URBAN	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021						ROADWAY 80% FED 20% STATE 0005	100% STATE 0005	TRAFFIC SIGNAL 80% FED 20% STATE 0021		
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	469	469												
* X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	580		580											
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	65	65												
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12												
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	18		18											
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	28		28											
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	58		58											
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	103	103												
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1												
Ø Z0076600	TRAINEES	HOURS	500	500												
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500												
													* = SPECIALTY ITEMS			
													Ø 0042			

FILE NAME =	USER NAME = sher.khan	DESIGNED -	REVISED -
pw\N\dot-pw\berkeley.com\FWIDOT\Documents\VDOT OFFICE\1\Dist\1\Projects\Des Plaines Ave\CADData\Design\Design\DRM\DRM.dgn		CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / 1" =	DATE -	REVISED -
	PLOT DATE = 11/21/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

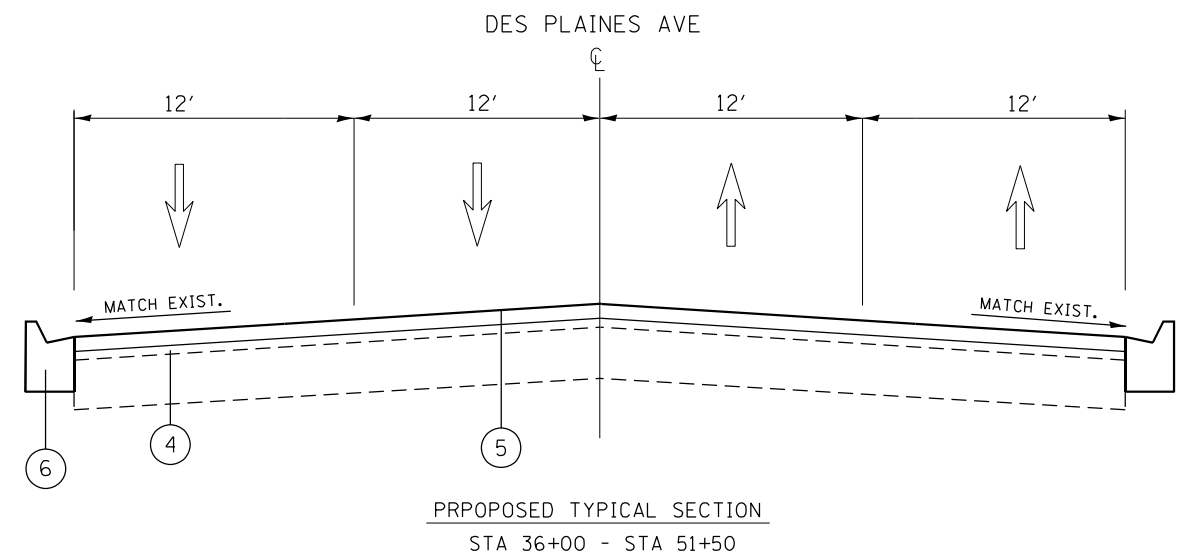
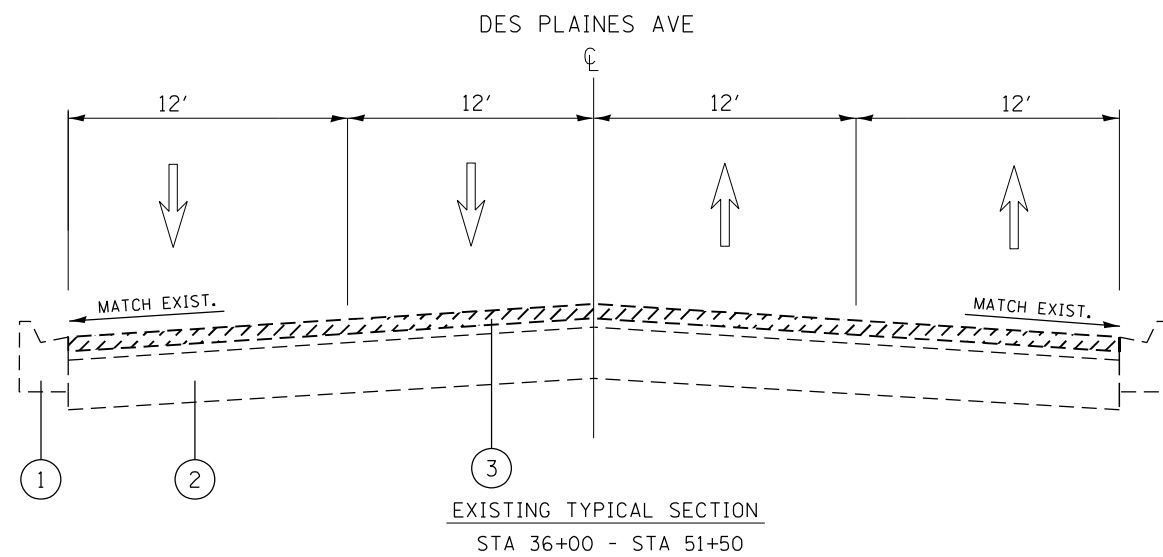
**DESPLAINES AVE (MADISON ST TO ROOSEVELT RD)
SUMMARY OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	6
		CONTRACT NO. 62R80		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER
2. EXISTING PCC BASE COURSE (+/- 9")
3. PROPOSED HMA SURFACE REMOVAL, 2 1/2"
4. PROPOSED POLY HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; .75"
5. PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70; 1 3/4"
6. PROPOSED COMBINATION CONCRETE CURB AND GUTTER (LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER)



NOTE

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTATIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- NOTE 4: THE CONTRACTOR SHALL PATCH BEFORE MILLING
- NOTE 5: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED BINDER, IL-4.75. N50

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (OMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
HMA PAVEMENT		
POLY HMA SURFACE COURSE, IL-9.5, MIX E, N70; 1 3/4"	4.0% @ 70 GYR.	OCP
POLY HMA BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 50 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.	QC/QA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

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 PROJECT: Des Plaines Ave, Cook County, IL

USER NAME = sher.khan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0002' / in.	CHECKED -	REVISED -
PLOT DATE = 12/1/2022	DATE -	REVISED -

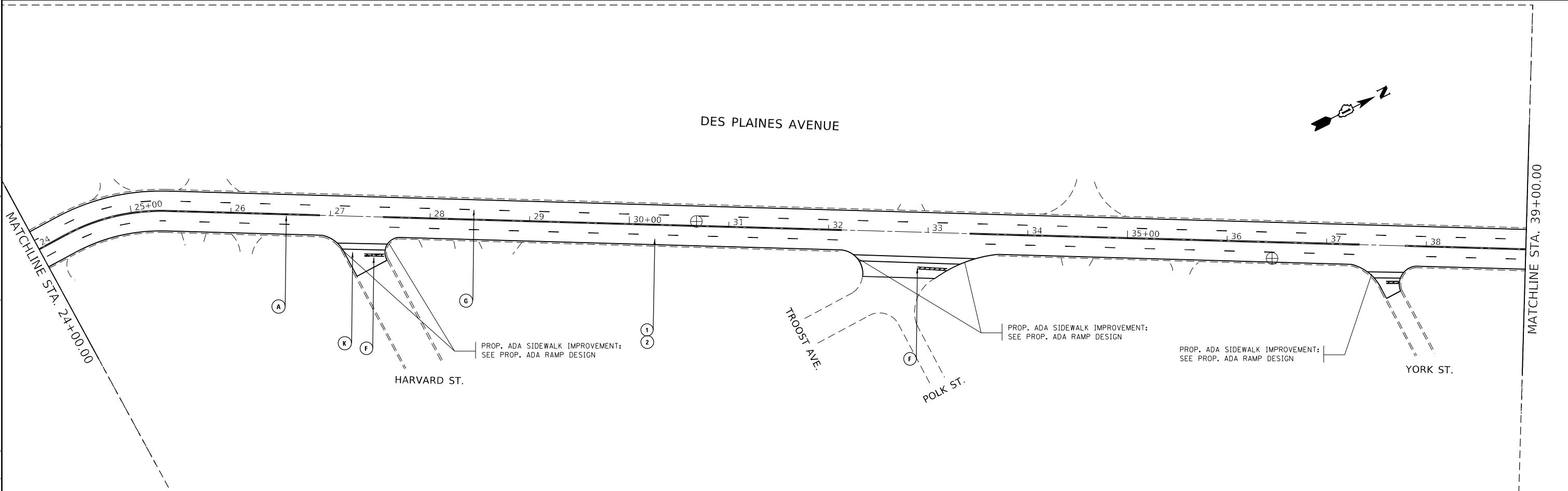
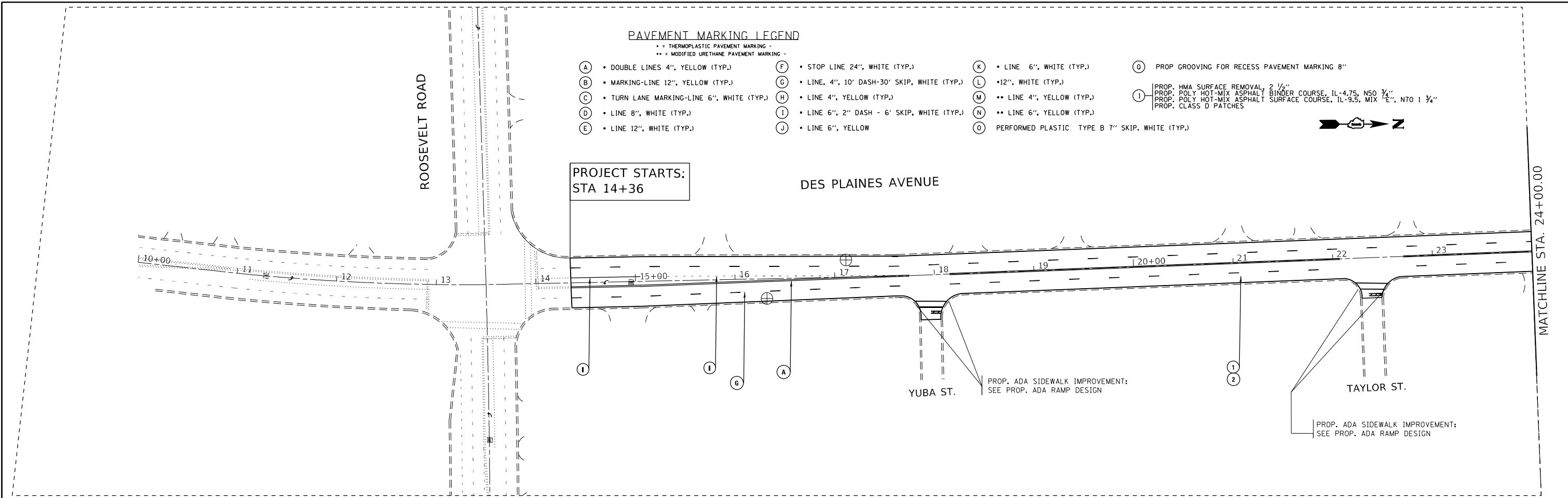
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION			
DES PLAINES AVE (MADISON ST TO ROSSEVELT RD)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R80	

PAVEMENT MARKING LEGEND

- • THERMOPLASTIC PAVEMENT MARKING -
- • • MODIFIED URETHANE PAVEMENT MARKING -
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE 8", WHITE (TYP.)
- (E) • LINE 12", WHITE (TYP.)
- (F) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (J) • LINE 6", YELLOW
- (K) • LINE 6", WHITE (TYP.)
- (L) • 12", WHITE (TYP.)
- (M) • LINE 4", YELLOW (TYP.)
- (N) • LINE 6", YELLOW (TYP.)
- (O) PERFORMED PLASTIC TYPE B 7" SKIP, WHITE (TYP.)
- (1) PROP GROOVING FOR RECESS PAVEMENT MARKING 8"
- (2) PROP. HMA SURFACE REMOVAL, 2 1/2"
PROP. POLY HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70 1 3/4"
PROP. CLASS D PATCHES



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

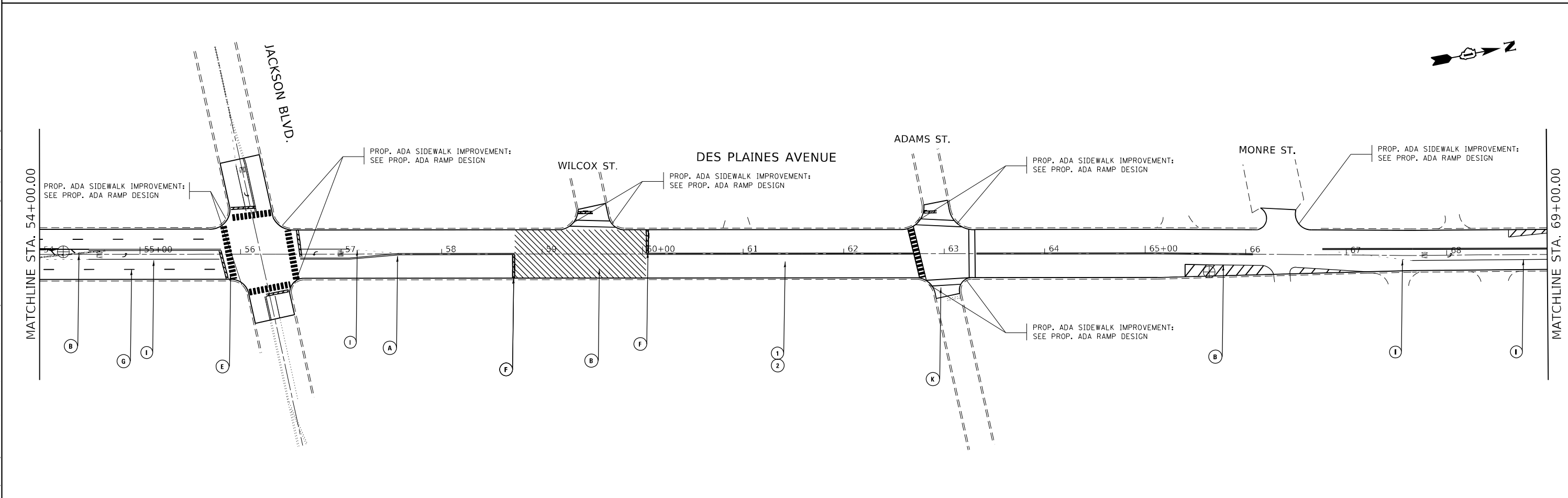
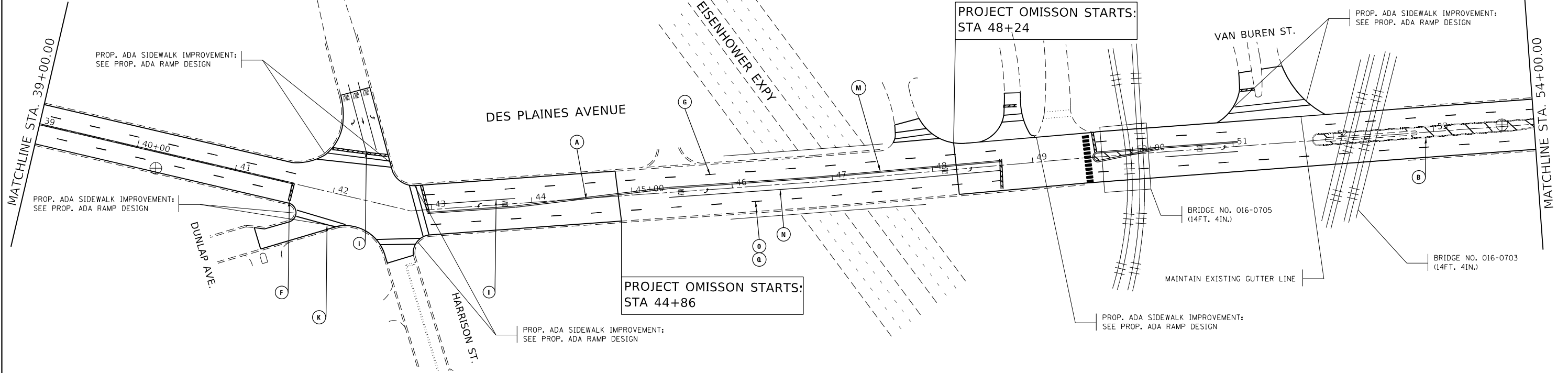
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DES PLAINES AVE (MADISON ST TO ROOSEVELT RD)
 SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	8
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				

••NOTE:
- BRIDGES MUST MAINTAIN EXISTING VERTICAL CLEARANCE

PAVEMENT MARKING LEGEND

- THERMOPLASTIC PAVEMENT MARKING -
- MODIFIED URETHANE PAVEMENT MARKING -
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE 8", WHITE (TYP.)
- (E) • LINE 12", WHITE (TYP.)
- (F) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (J) • LINE 6", YELLOW
- (K) • LINE 6", WHITE (TYP.)
- (L) • 12", WHITE (TYP.)
- (M) • LINE 4", YELLOW (TYP.)
- (N) • LINE 6", YELLOW (TYP.)
- (O) PERFORMED PLASTIC TYPE B 7" SKIP, WHITE (TYP.)
- (P) PROP GROOVING FOR RECESS PAVEMENT MARKING 8"
- (Q) PROP. HMA SURFACE REMOVAL, 2 1/2"
- (R) PROP. POLY HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 3/4"
- (S) PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70 1 3/4"
- (T) PROP. CLASS D PATCHES



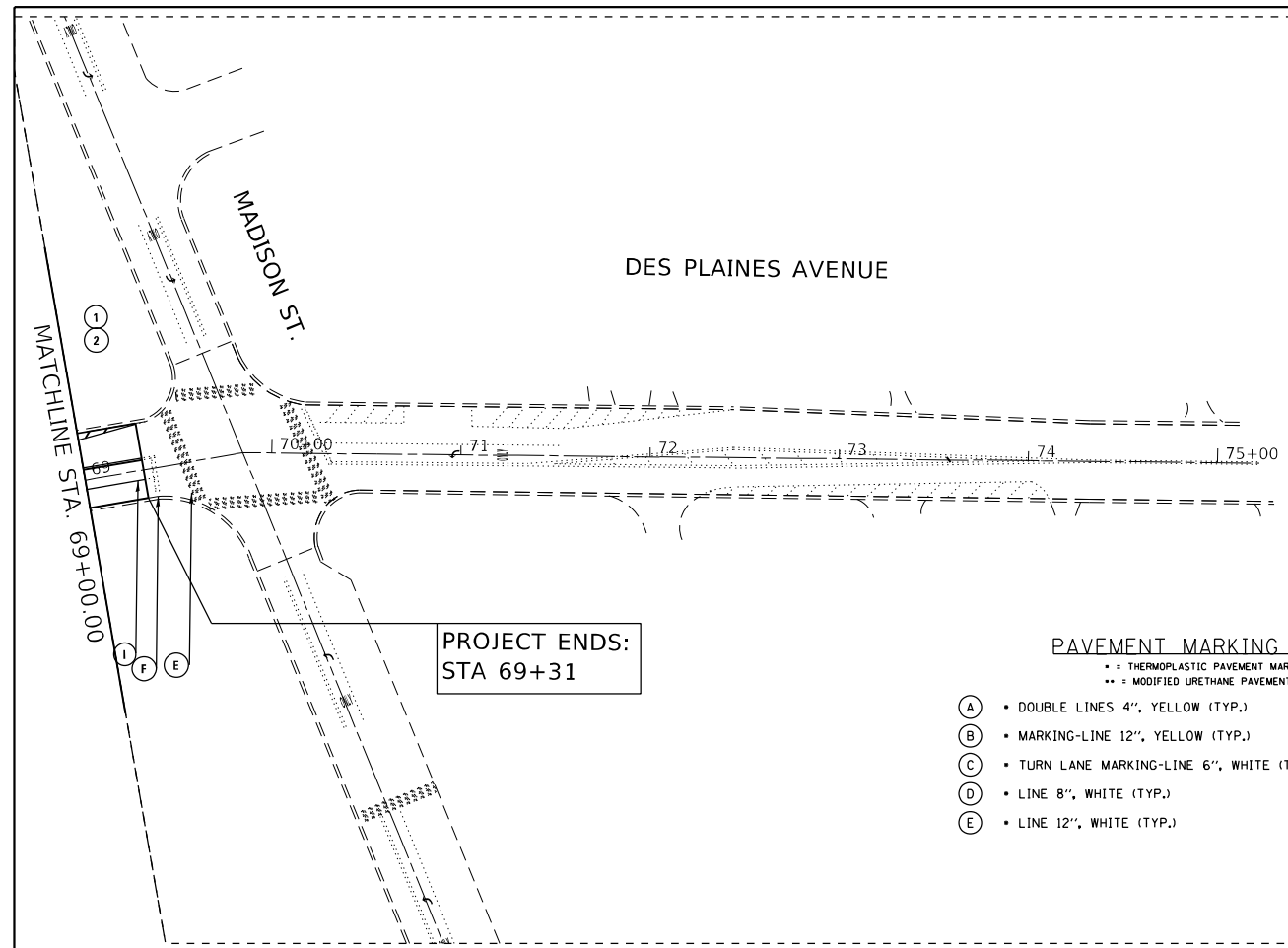
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PLOT DATE = 12/1/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
DES PLAINES AVE (MADISON ST TO ROOSEVELT RD)			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	9
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



**PROJECT ENDS:
STA 69+31**

PAVEMENT MARKING LEGEND

- = THERMOPLASTIC PAVEMENT MARKING -
- ** = MODIFIED URETHANE PAVEMENT MARKING -
- (A) • DOUBLE LINES 4", YELLOW (TYP.)
- (B) • MARKING-LINE 12", YELLOW (TYP.)
- (C) • TURN LANE MARKING-LINE 6", WHITE (TYP.)
- (D) • LINE 8", WHITE (TYP.)
- (E) • LINE 12", WHITE (TYP.)
- (F) • STOP LINE 24", WHITE (TYP.)
- (G) • LINE, 4", 10' DASH-30' SKIP, WHITE (TYP.)
- (H) • LINE 4", YELLOW (TYP.)
- (I) • LINE 6", 2" DASH - 6' SKIP, WHITE (TYP.)
- (J) • LINE 6", YELLOW
- (K) • LINE 6", WHITE (TYP.)
- (L) • 12", WHITE (TYP.)
- (M) •• LINE 4", YELLOW (TYP.)
- (N) •• LINE 6", YELLOW (TYP.)
- (O) PERFORMED PLASTIC TYPE B 7" SKIP, WHITE (TYP.)
- (P) PROP GROOVING FOR RECESS PAVEMENT MARKING 8"
- (1) PROP. HMA SURFACE REMOVAL, 2 1/4"
PROP. POLY HOT-MIX ASPHALT BINDER COURSE, IL-4.75, NSO 3/4"
PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX 7/8", N70 1 3/4"
PROP. CLASS D PATCHES

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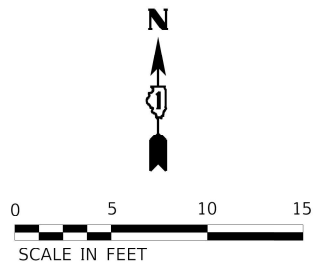
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

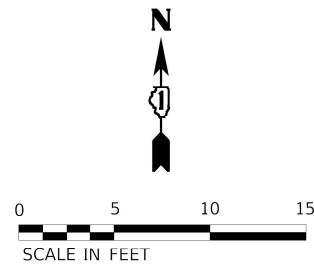
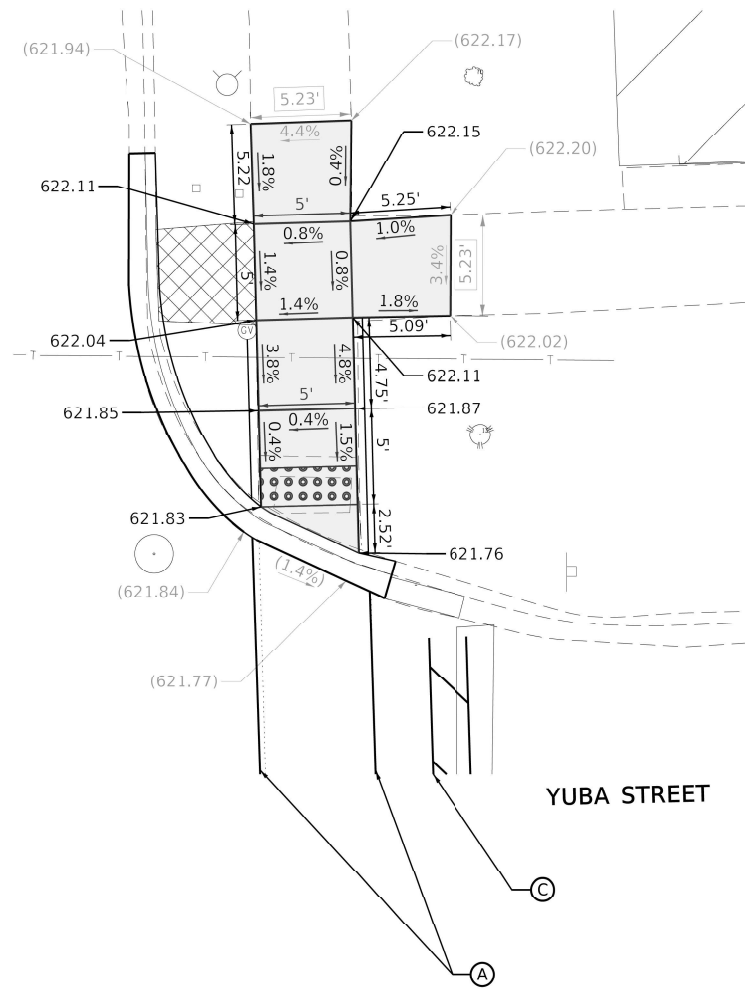
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SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

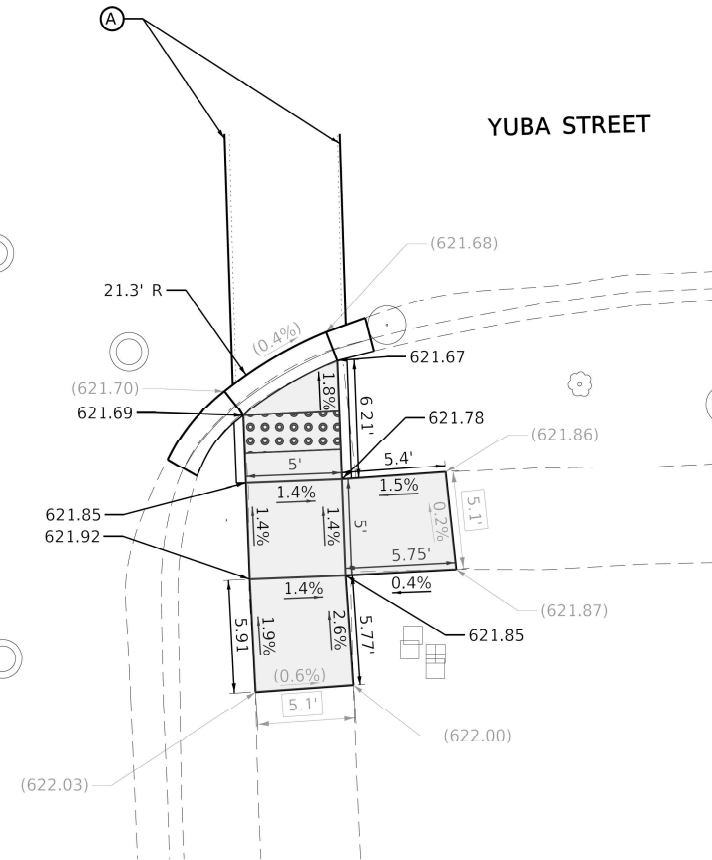
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	10
CONTRACT NO. 62R80			ILLINOIS FED. AID PROJECT	



DES PLAINES AVENUE



DES PLAINES AVENUE



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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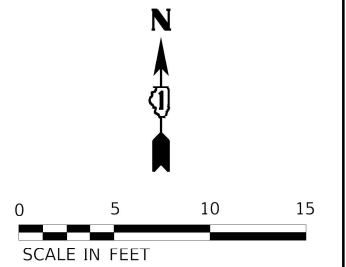
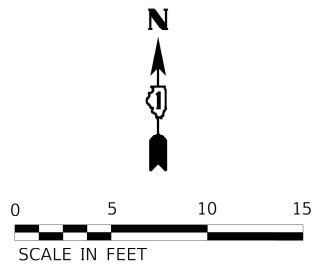
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

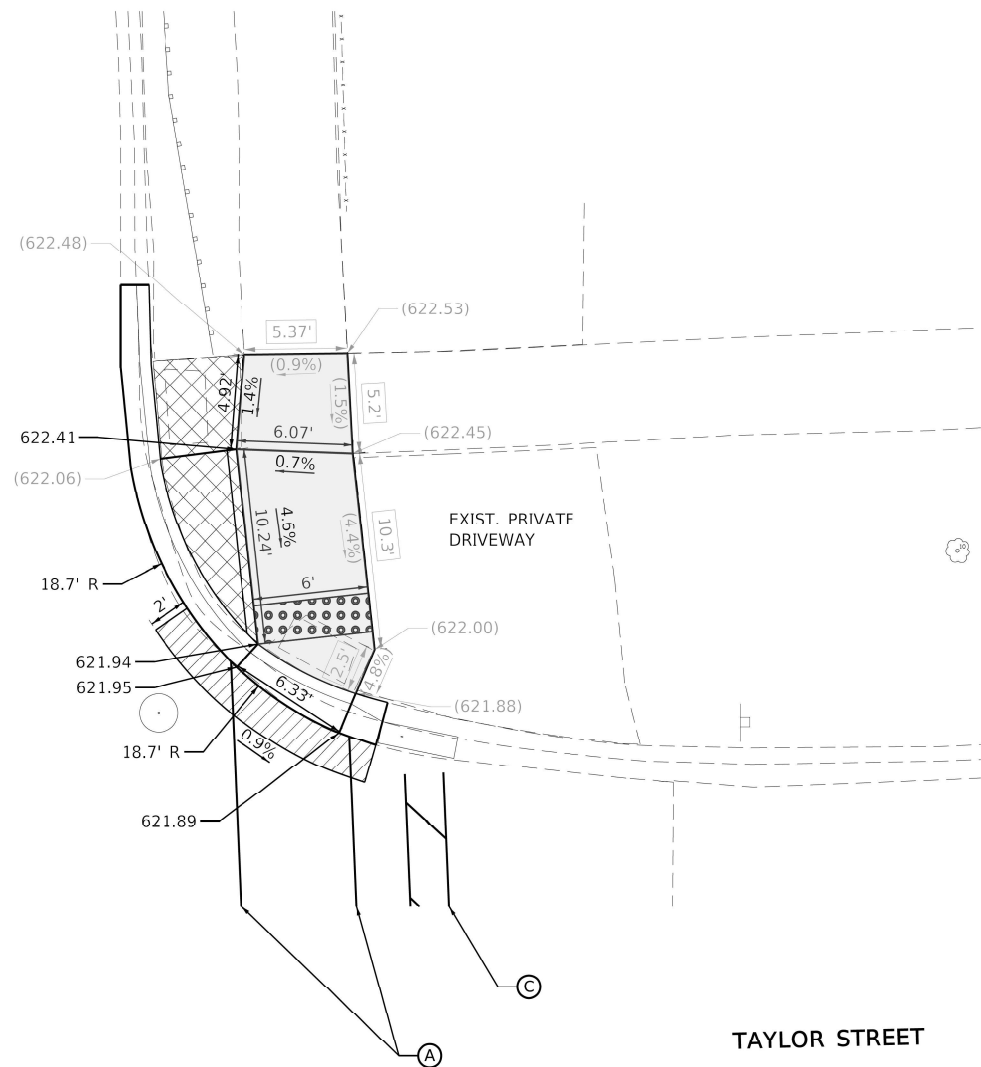
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NE AND SE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1"=5' SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 2759	SECTION FAU 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 11
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62R80

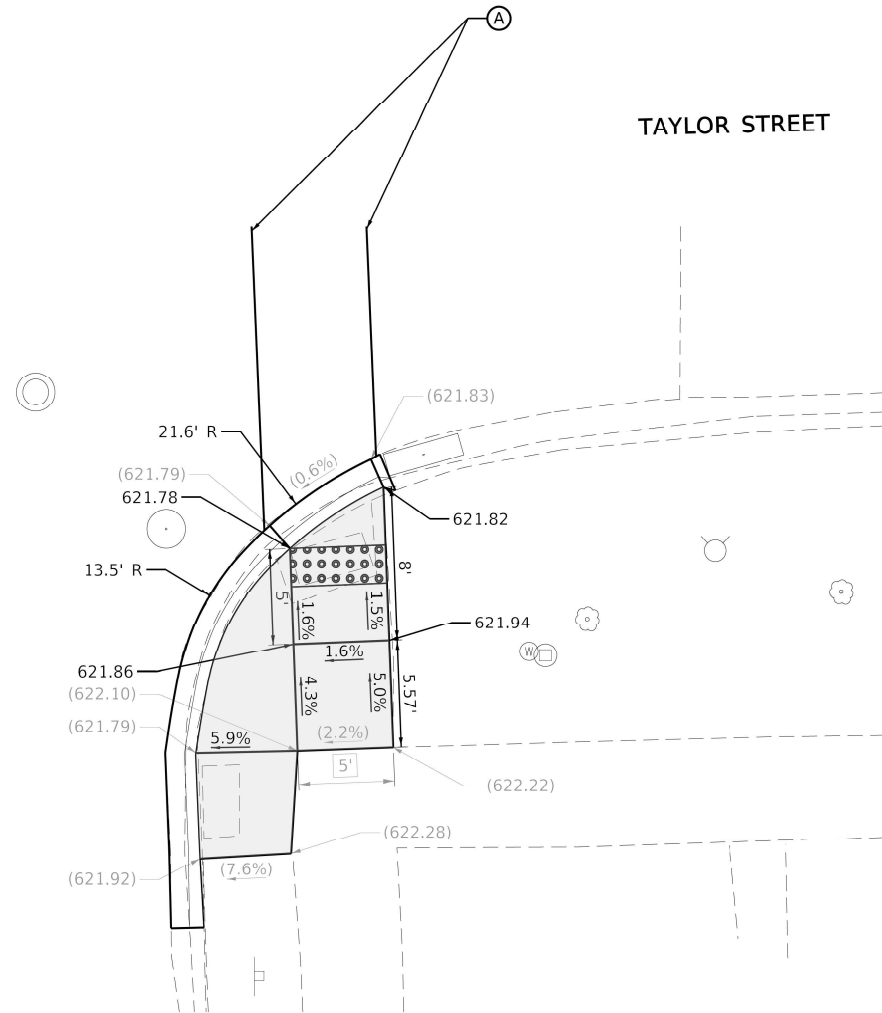


DES PLAINES AVENUE



TAYLOR STREET

DES PLAINES AVENUE



TAYLOR STREET

PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE
CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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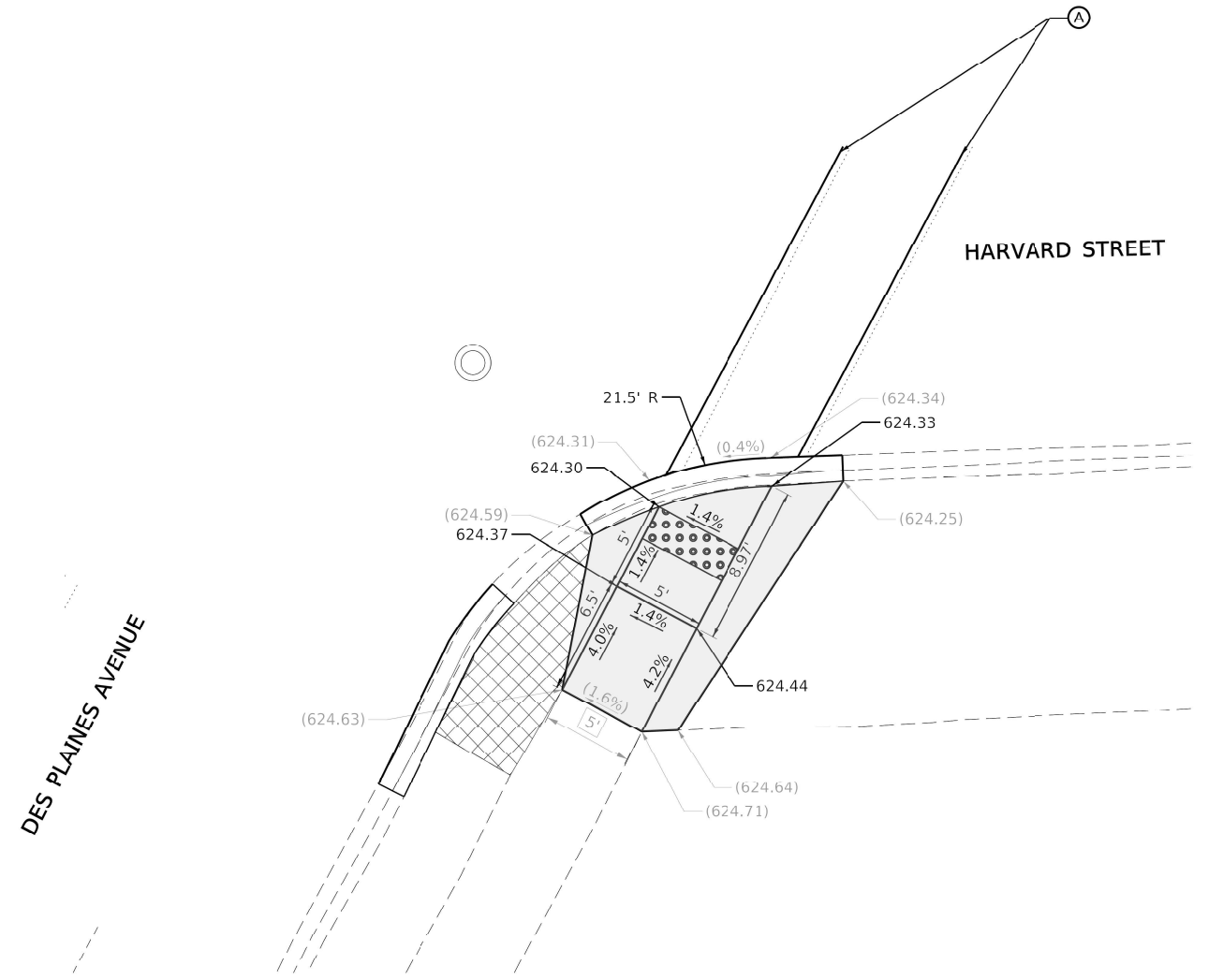
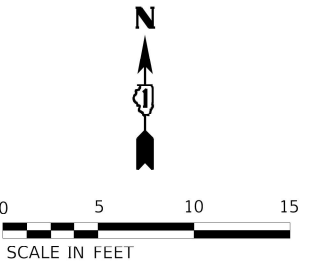
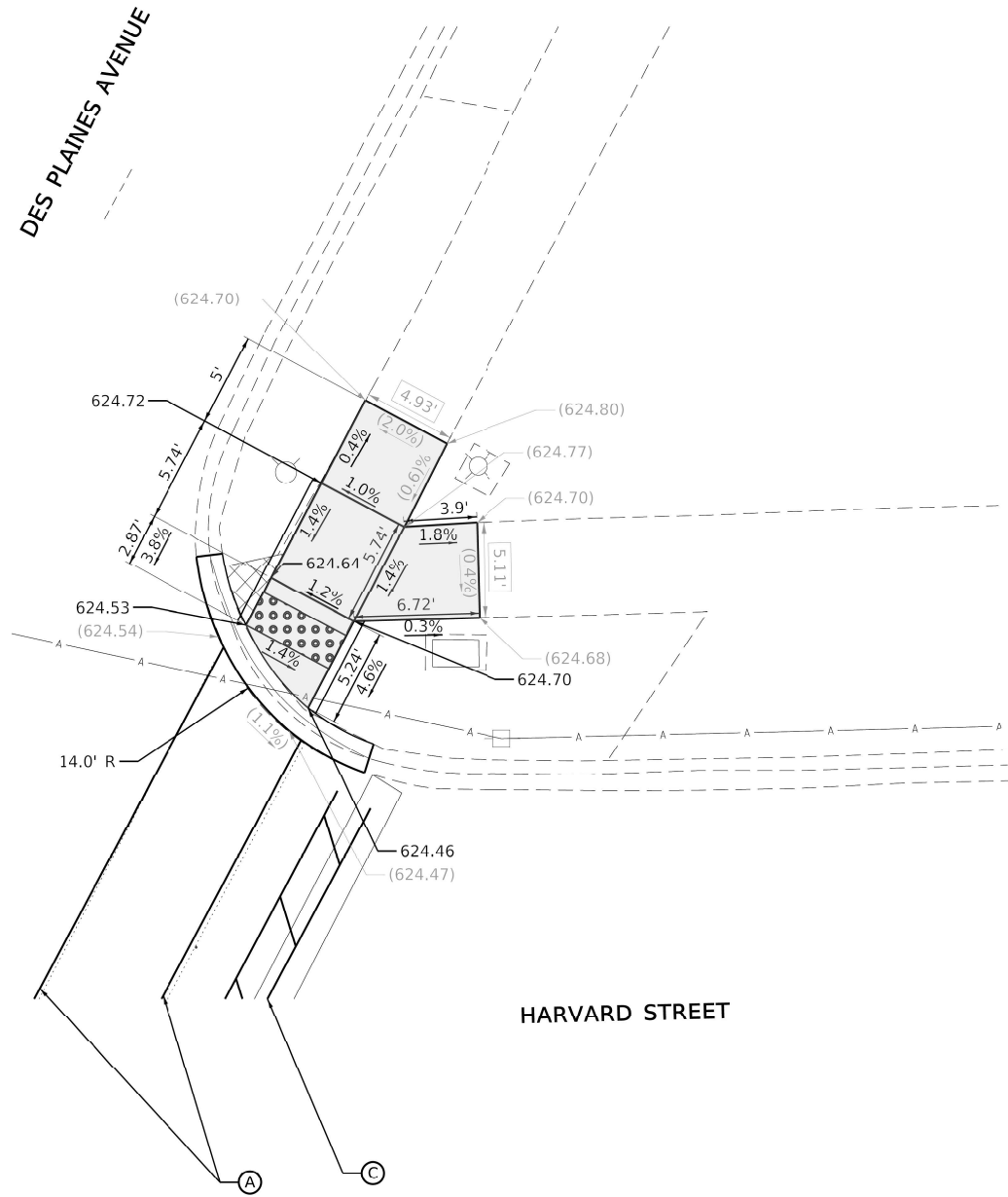
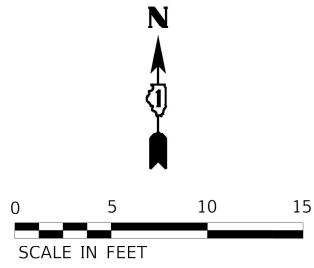
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	DATE 12/17/21	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & TAYLOR STREET
NE AND SE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	12
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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Farnsworth GROUP
 1011 WARRENVILLE ROAD, SUITE 375
 LISLE, ILLINOIS 60532
 (630) 296-5877 / info@fw.com

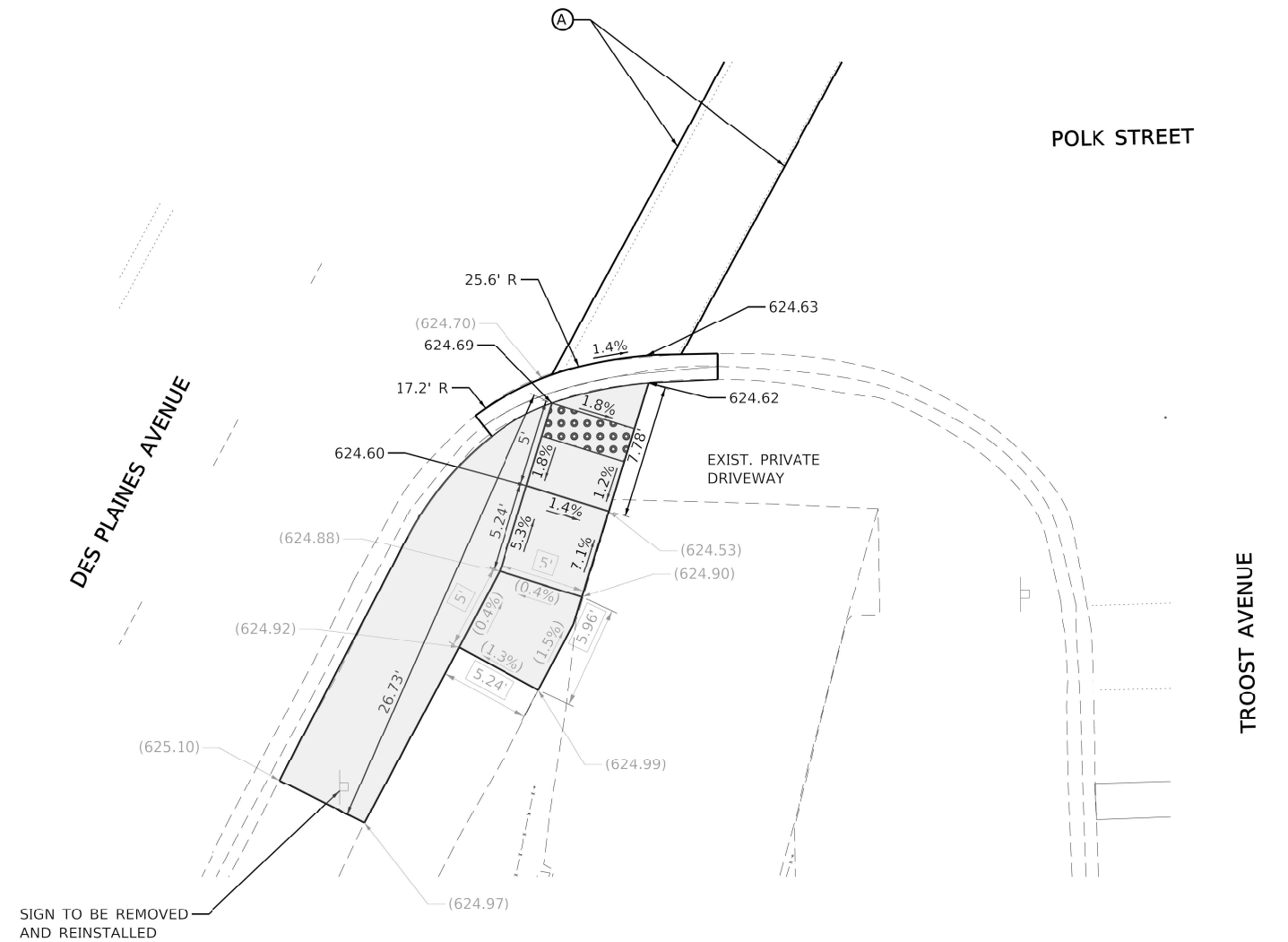
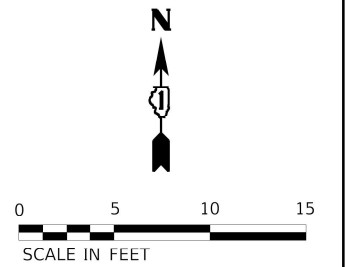
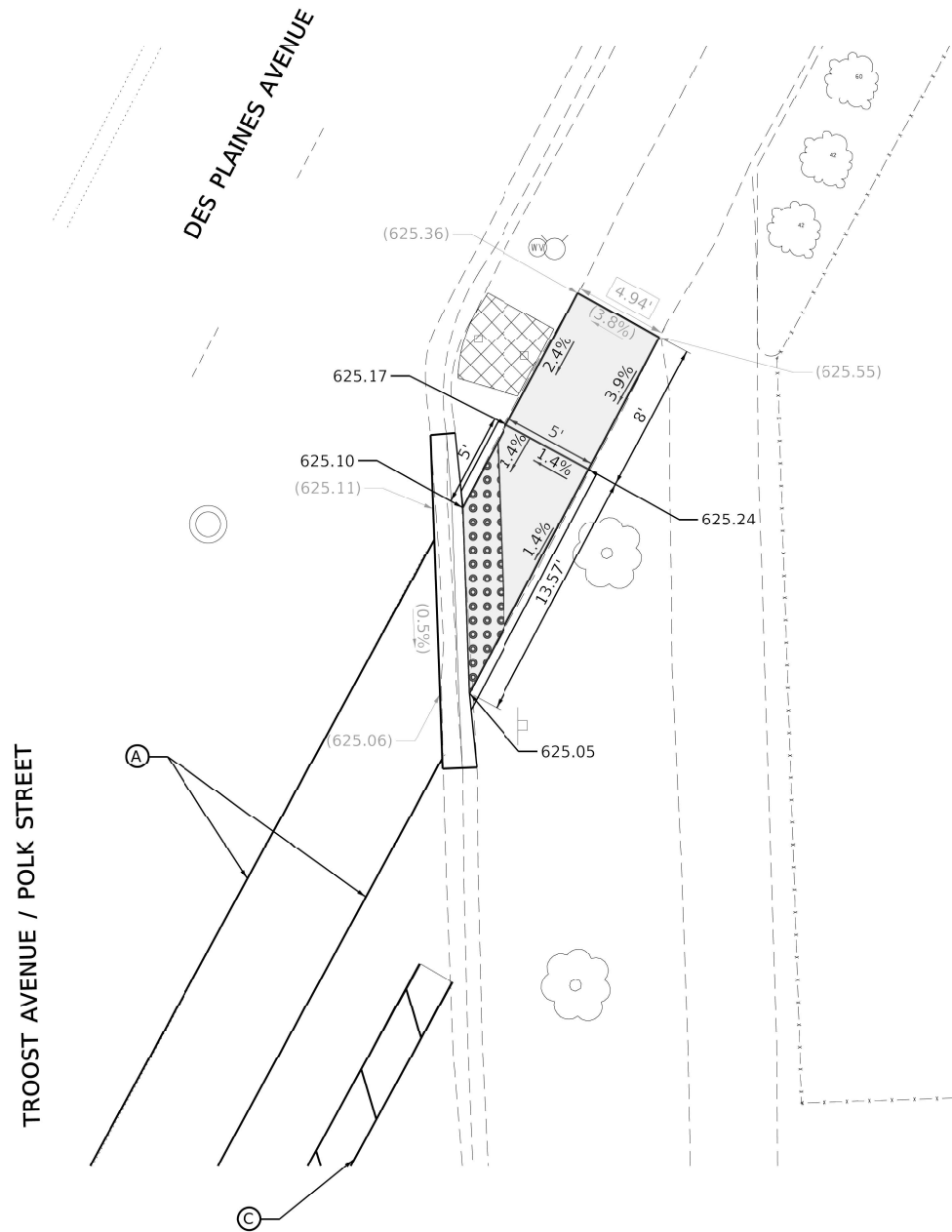
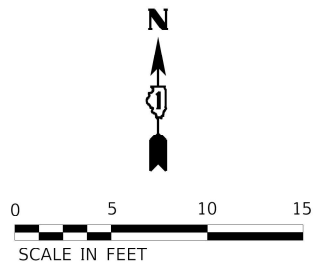
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & HARVARD STREET
 NE AND SE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2759	SECTION 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 13
CONTRACT NO. 62R80			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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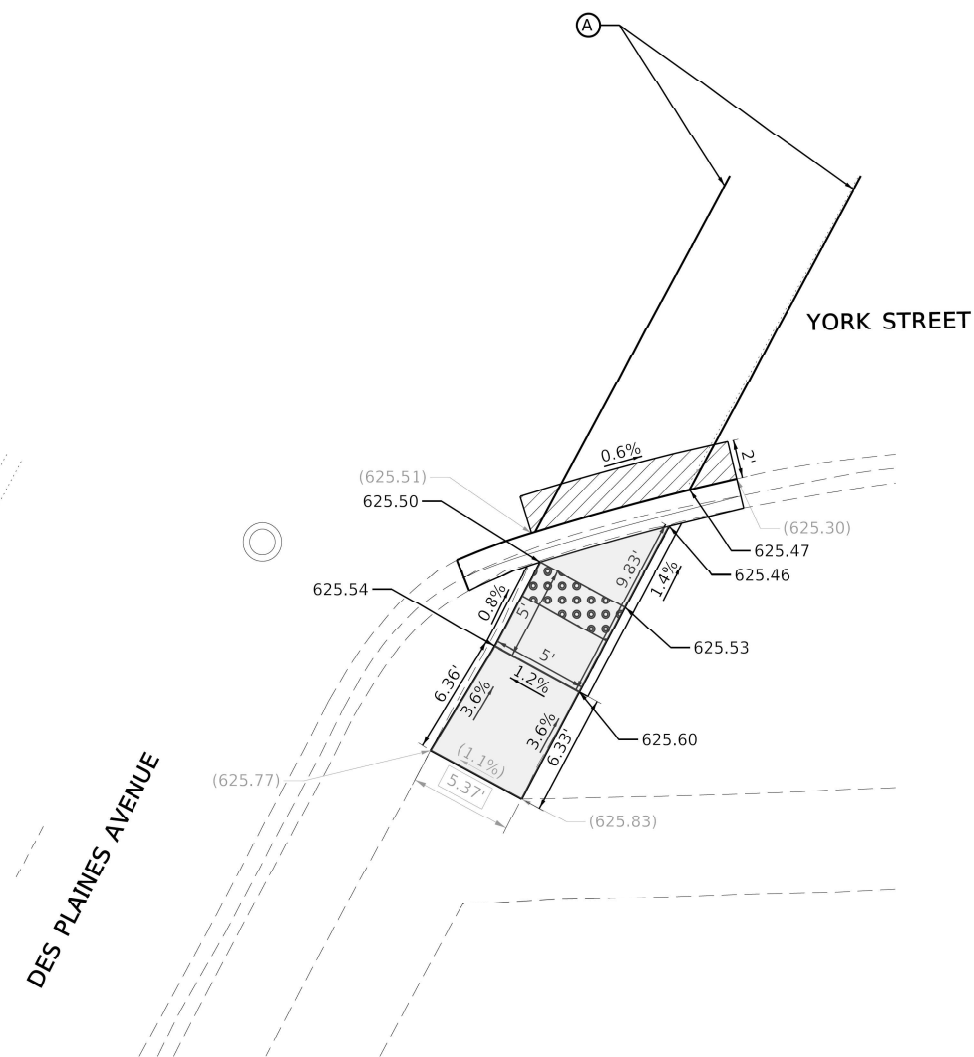
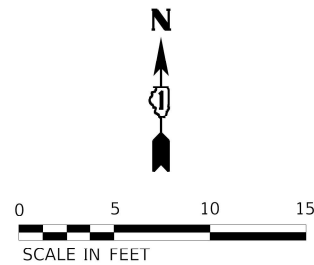
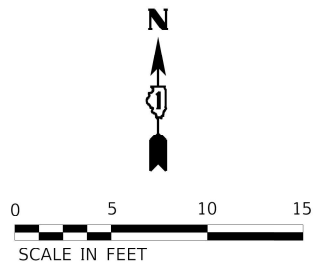
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & POLK STREET
NE AND SE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	14
CONTRACT NO. 62R80			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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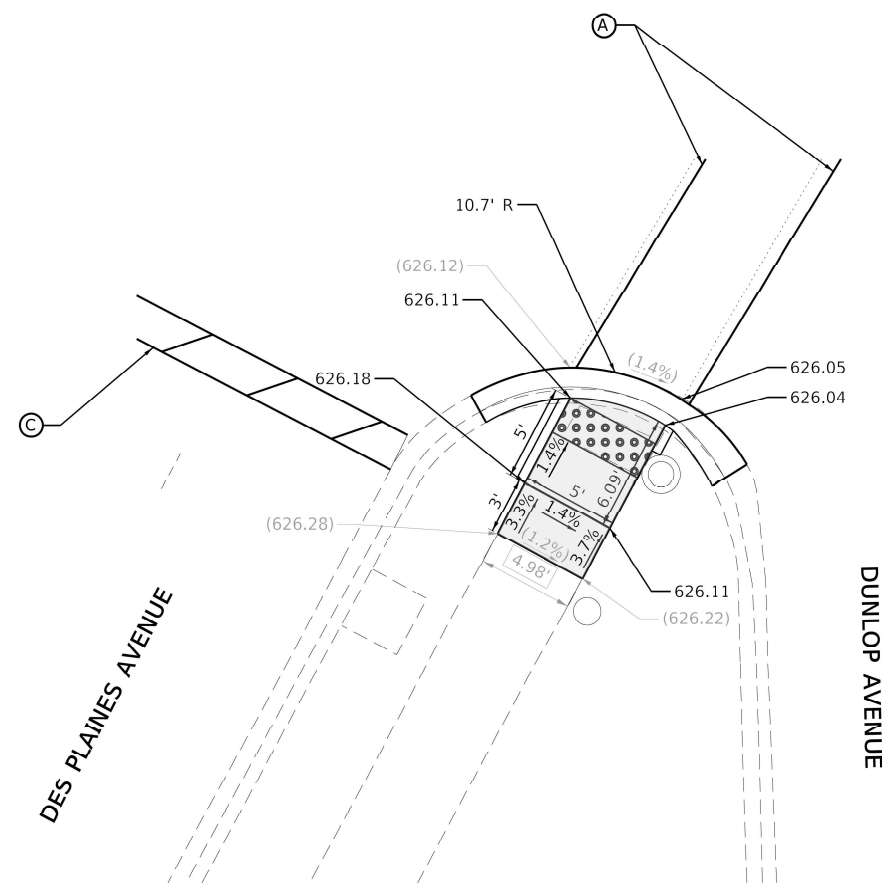
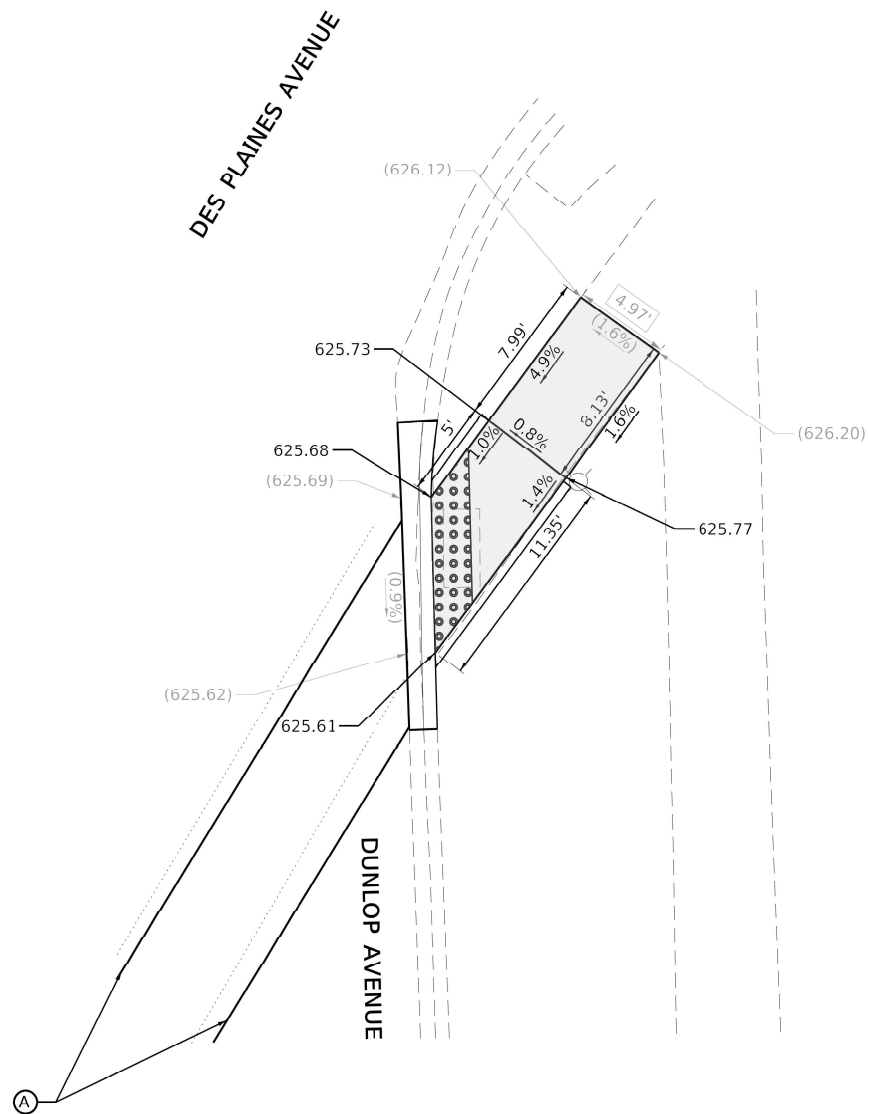
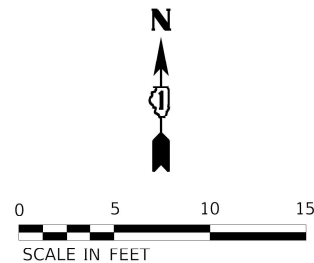
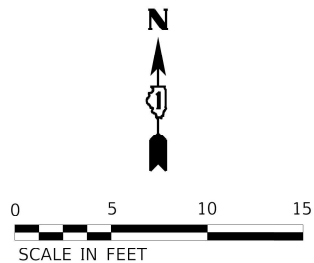
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DATE 12/17/21		REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & YORK STREET
SE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	15
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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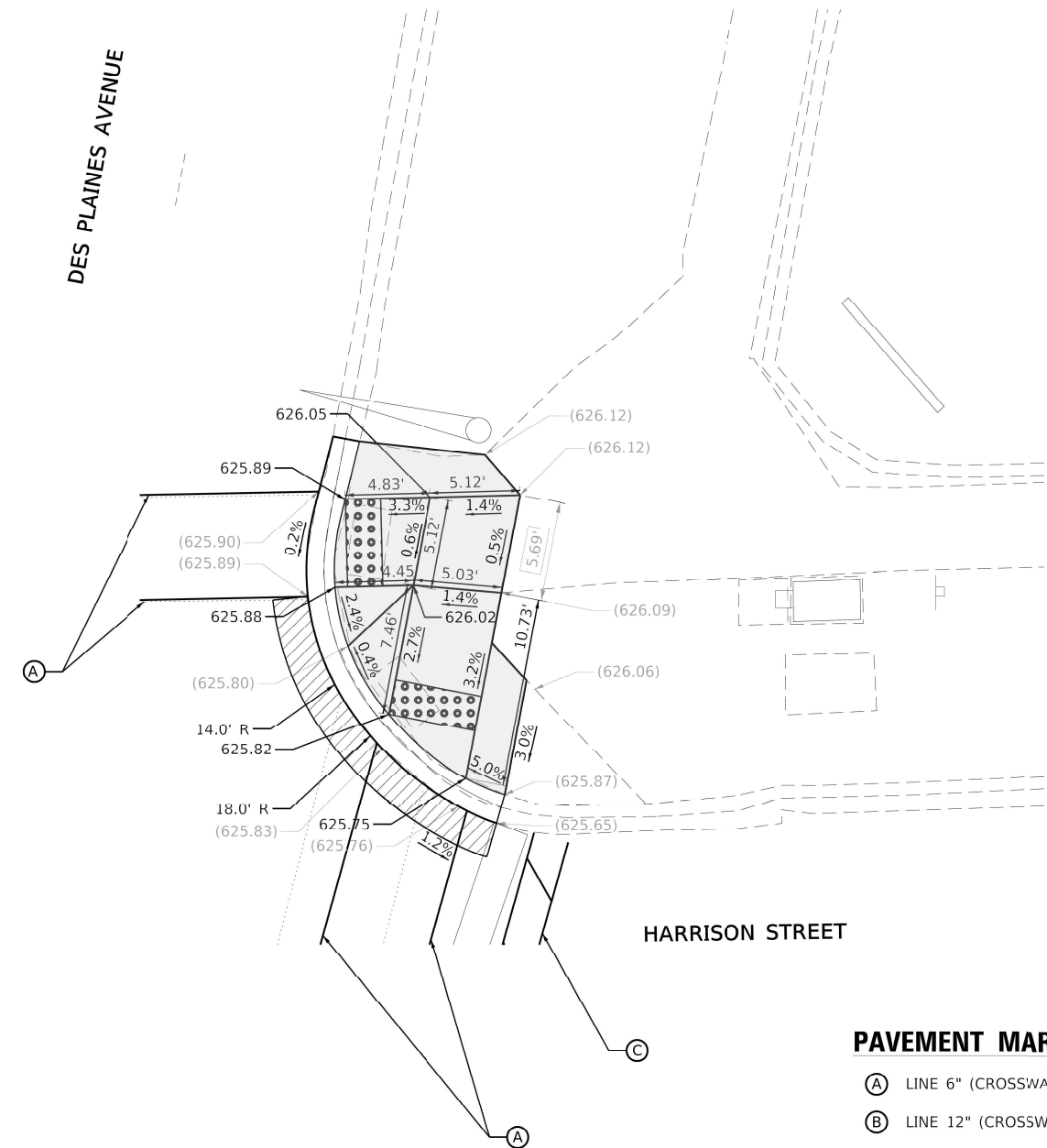
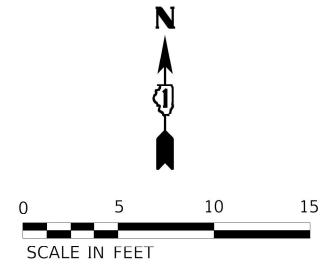
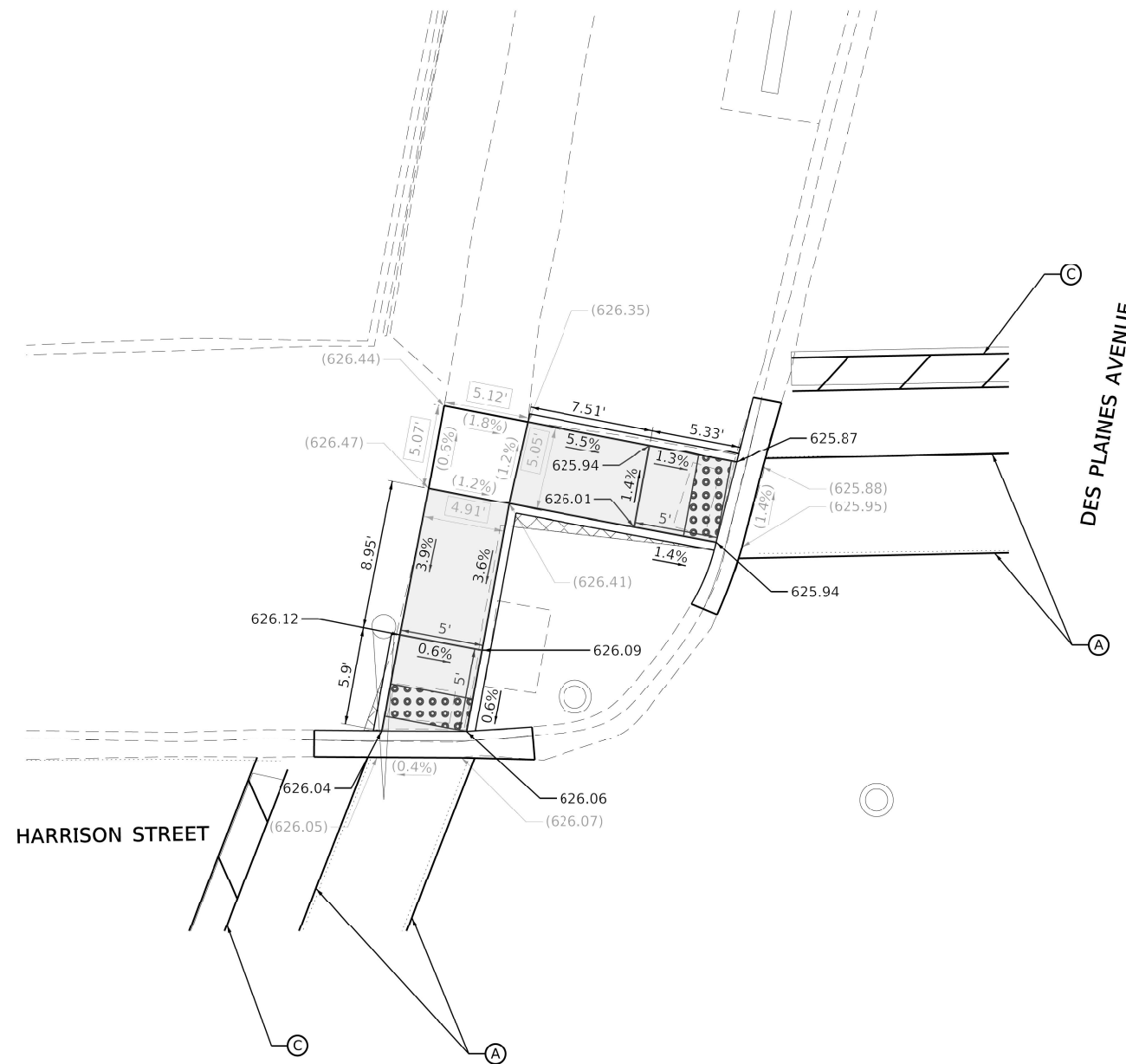
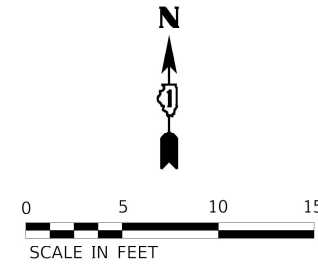
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	DATE 12/17/21	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & DUNLOP AVENUE
NE AND SE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	16
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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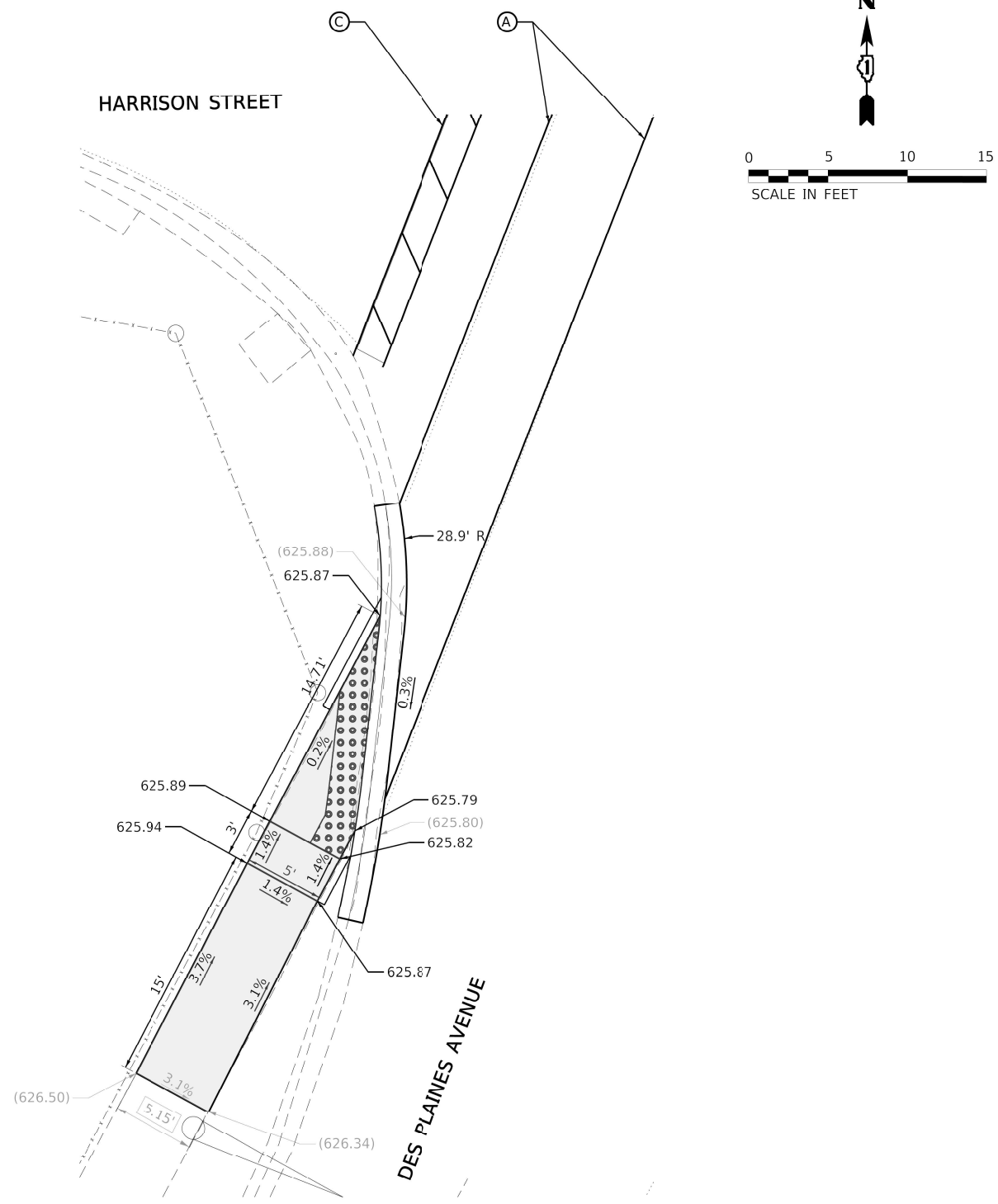


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	DATE 12/17/21	REVISED -

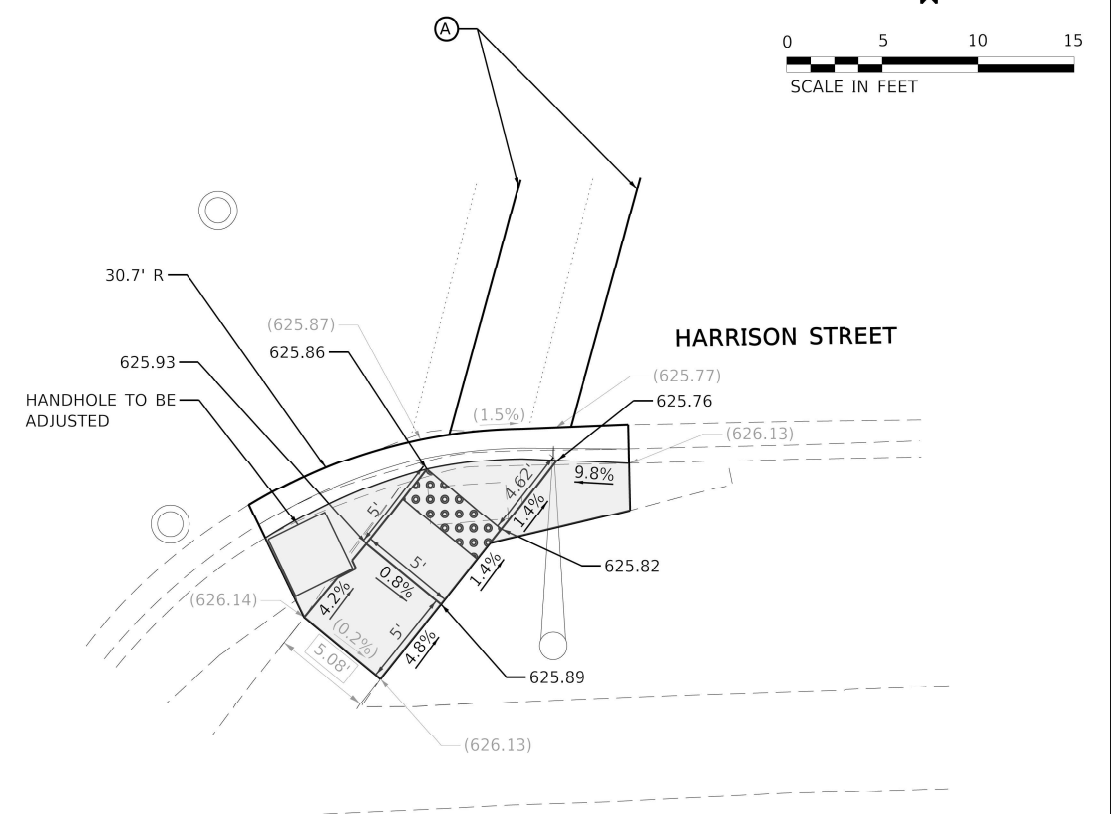
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & HARRISON STREET
NW AND NE QUADRANT SIDEWALK IMPROVEMENTS**
SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2759	SECTION FAU 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 17
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



DES PLAINES AVENUE



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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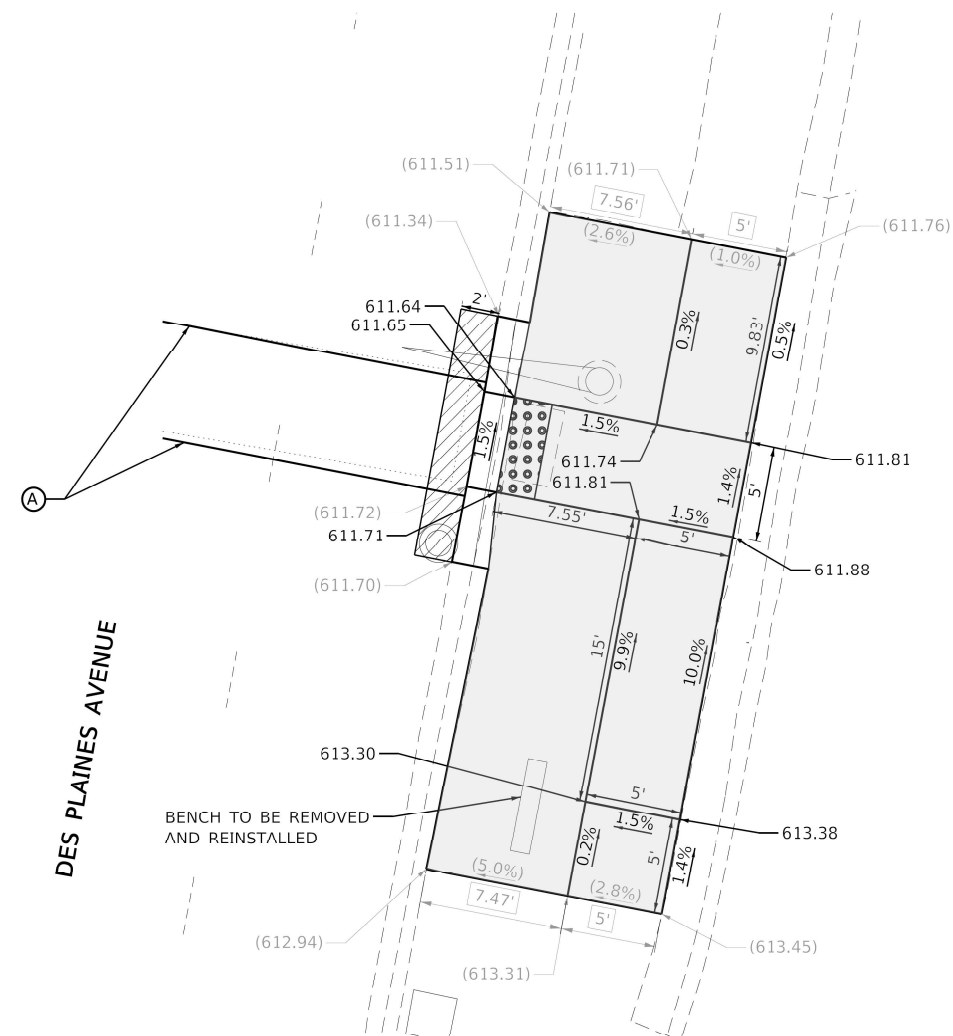
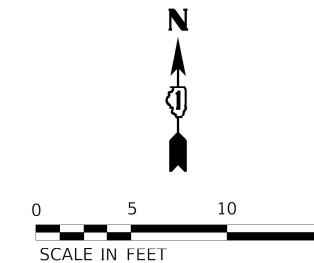
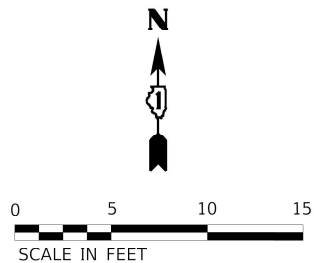
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	DATE 12/17/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & HARRISON STREET
SW AND SE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	18
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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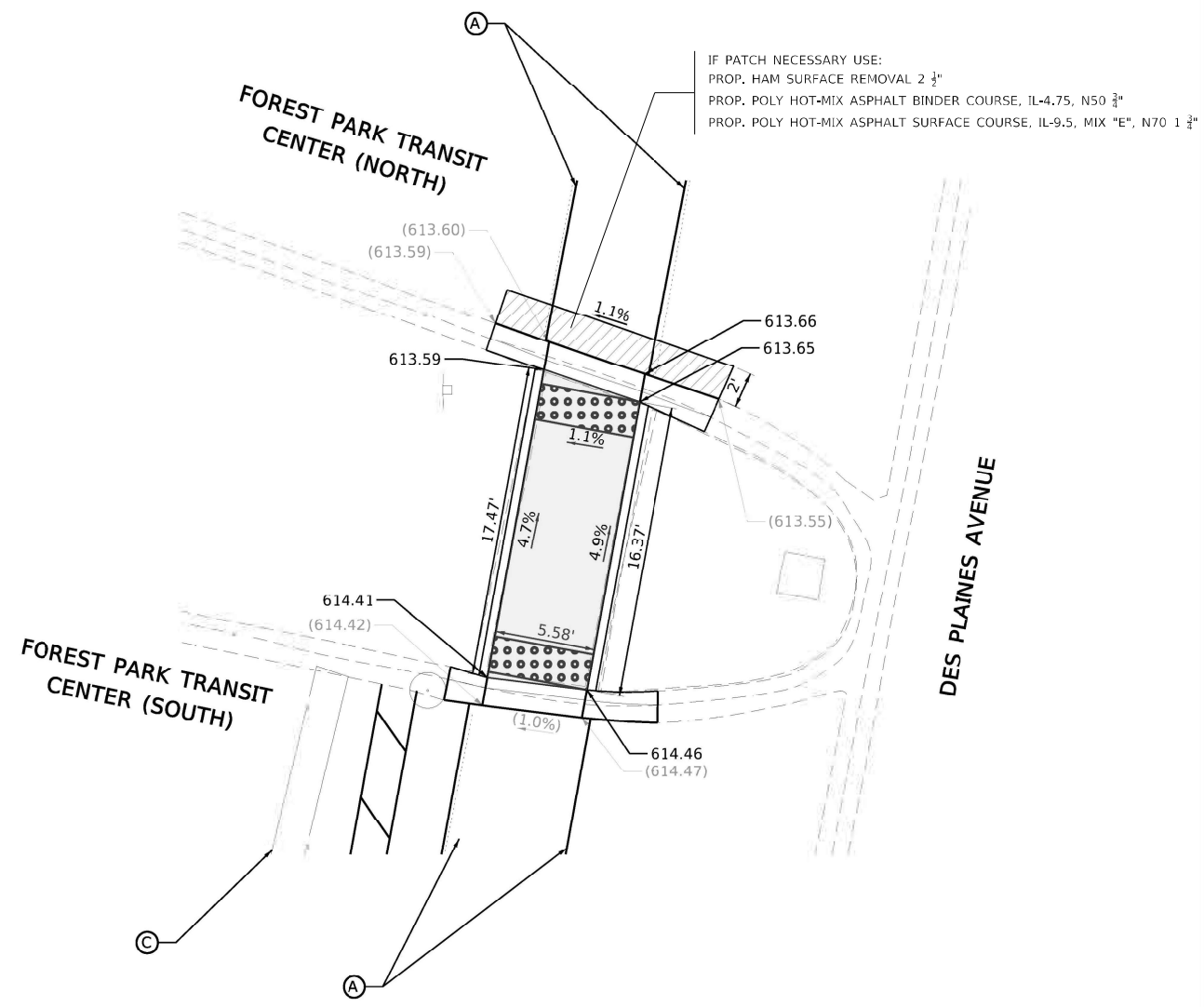
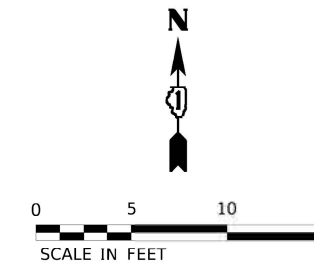
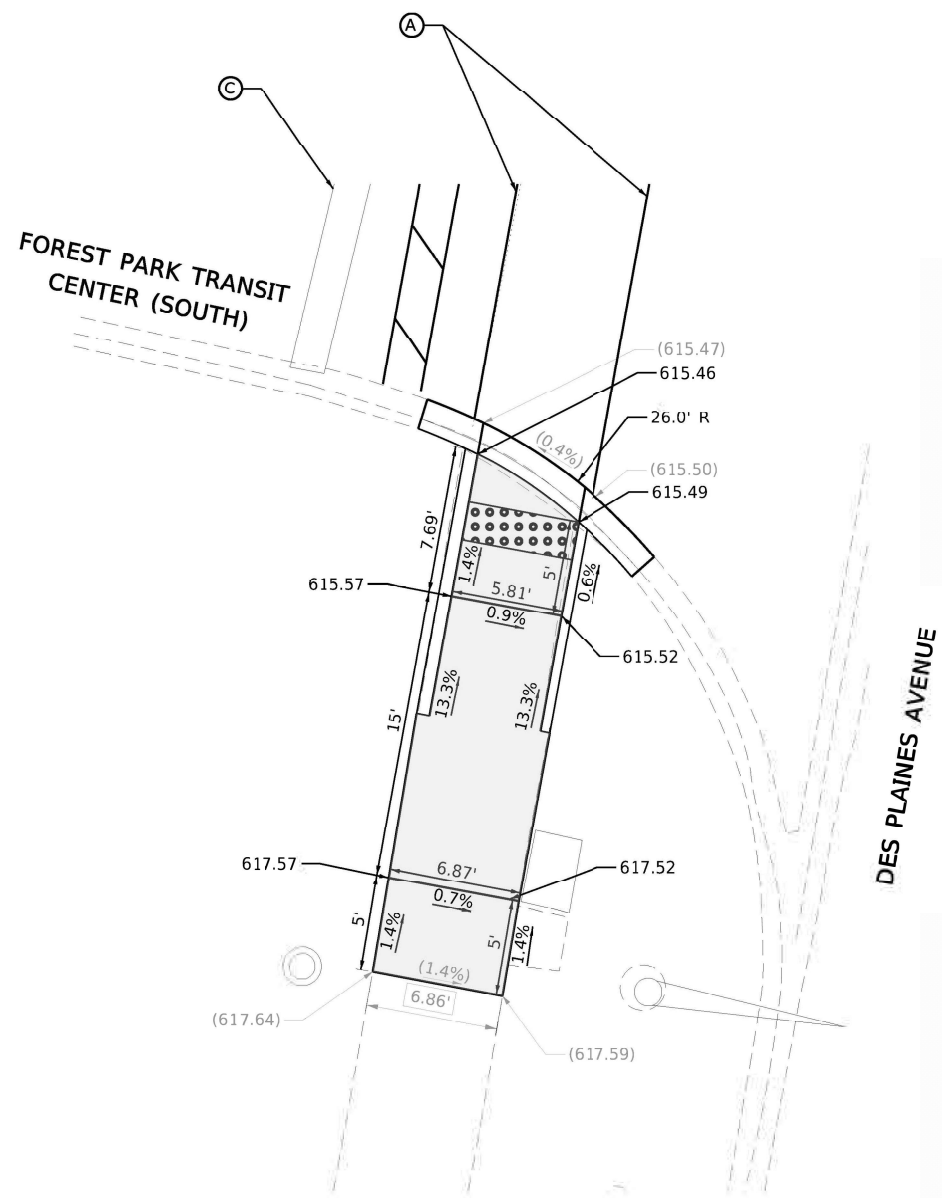
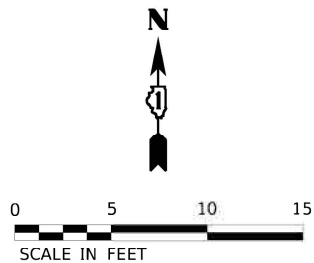
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	DATE 12/17/21	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVE. & FOREST PARK TRANSIT CENTER
NE QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R80	



IF PATCH NECESSARY USE:
 PROP. HAM SURFACE REMOVAL 2 1/4"
 PROP. POLY HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 3/4"
 PROP. POLY HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70 1 3/4"

PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

REFERENCE BENCHMARK: XXXXXXXX

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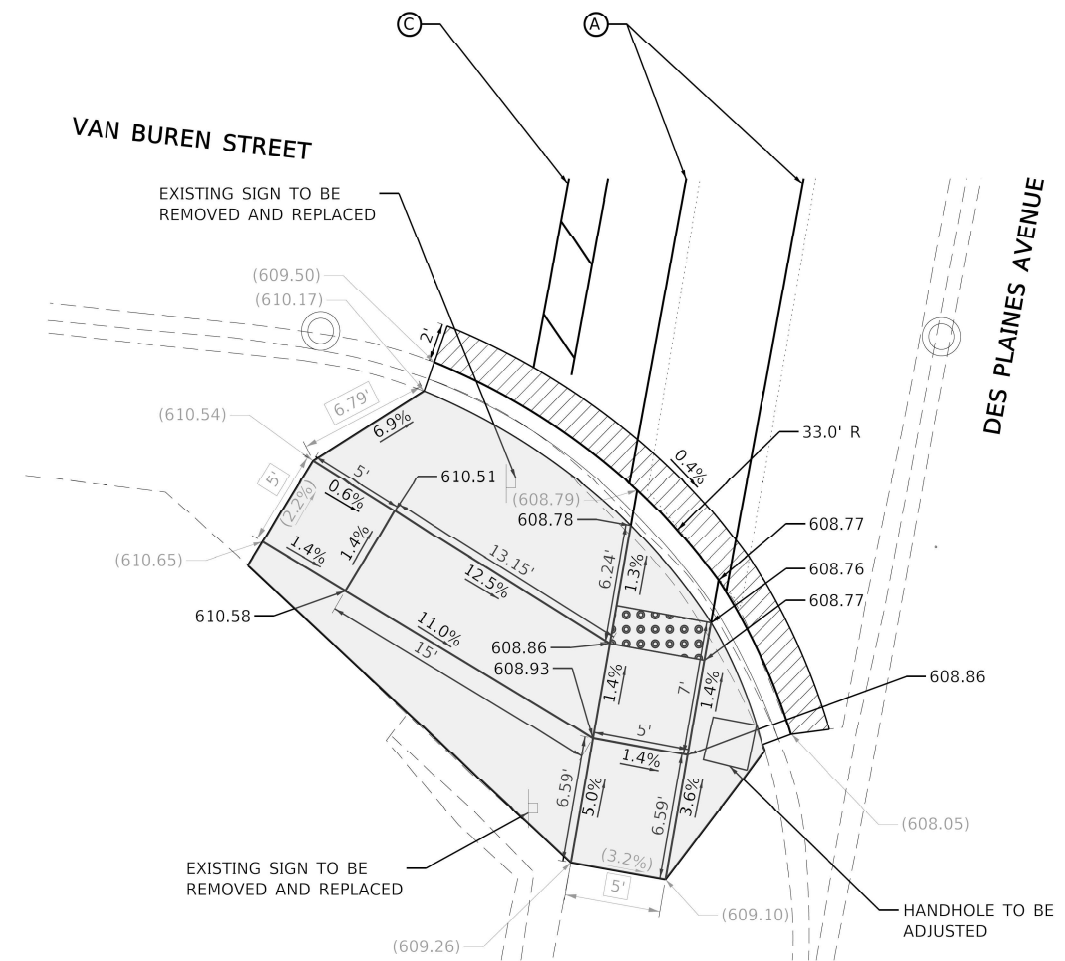
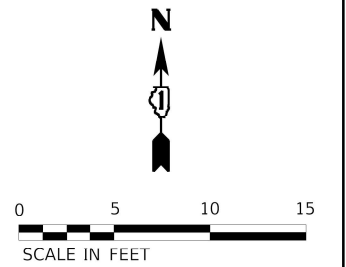
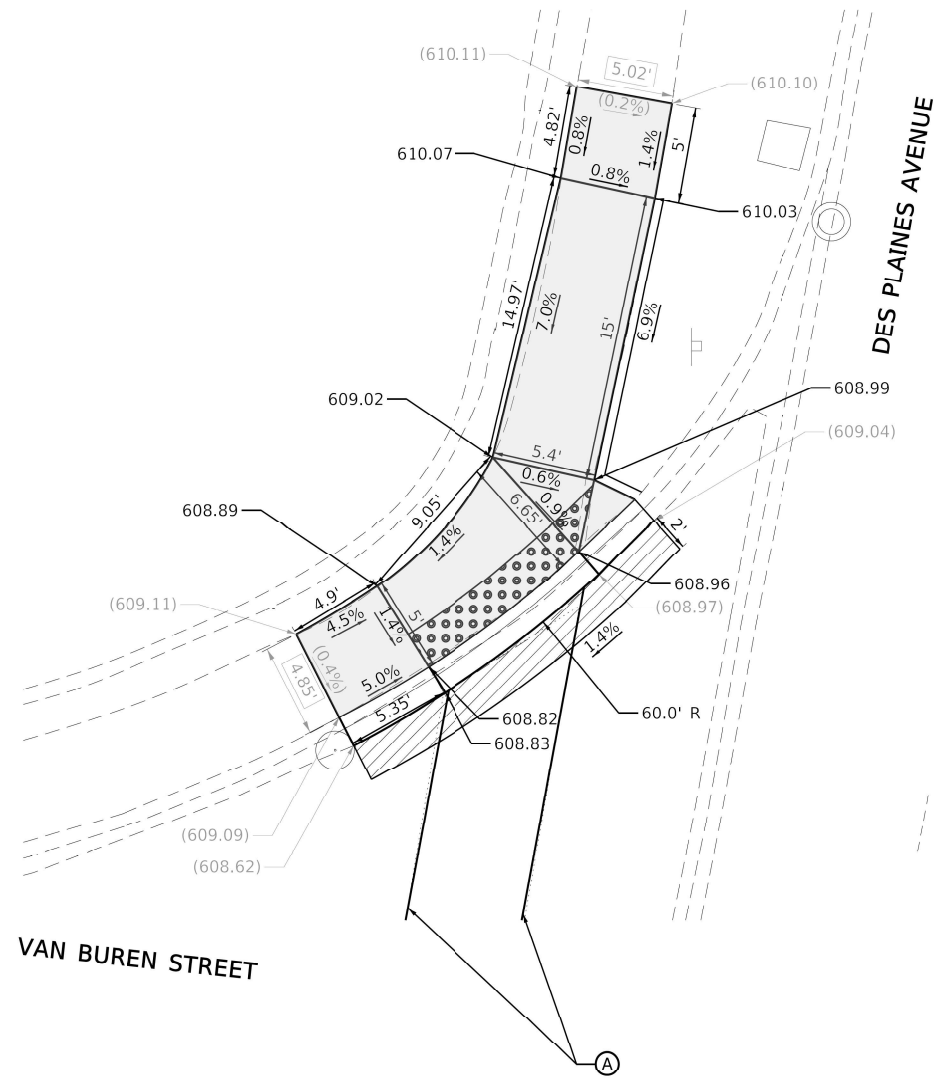
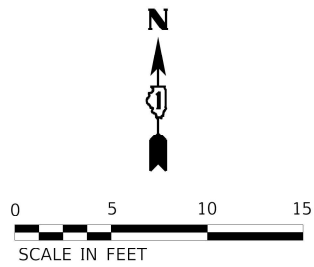
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVE. & FOREST PARK TRANSIT CENTER
 SW QUADRANT & MEDIAN SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R80	



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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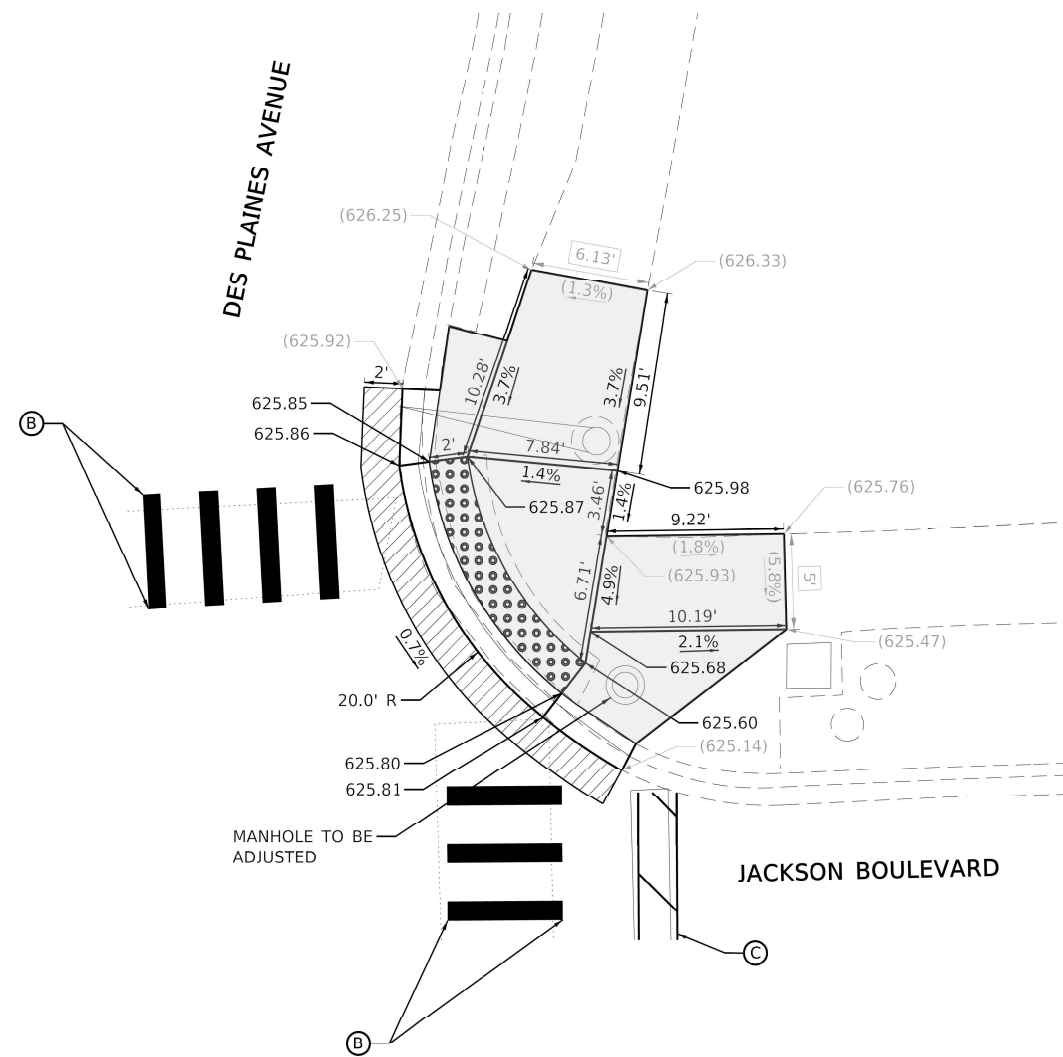
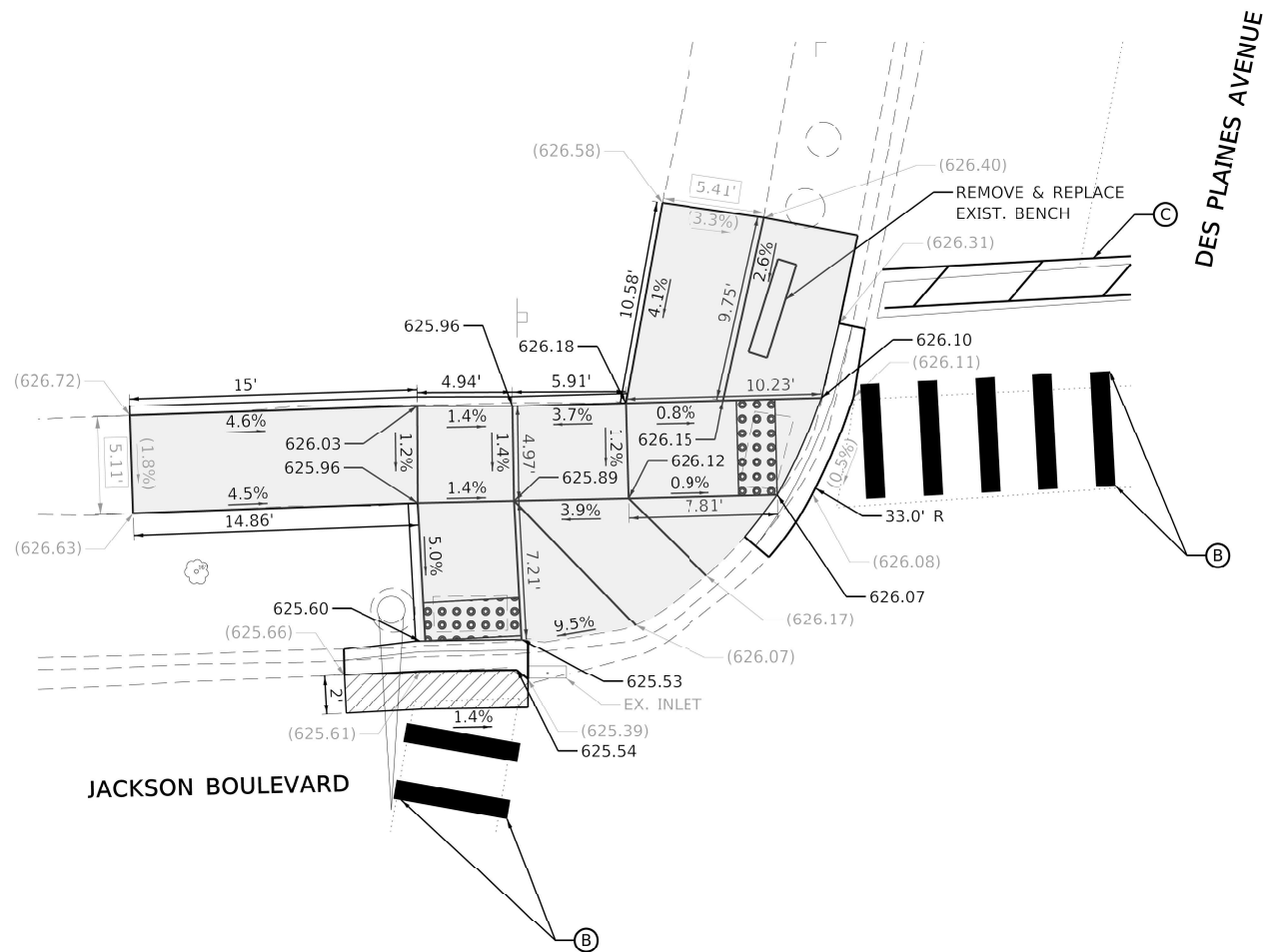
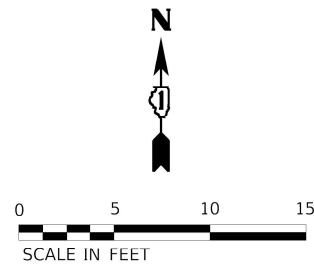
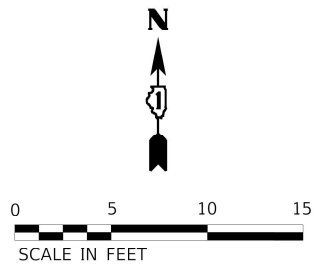
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	DATE 12/17/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & VAN BUREN STREET
NW AND SW QUADRANT SIDEWALK IMPROVEMENTS**

SCALE: 1"=5' SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	21
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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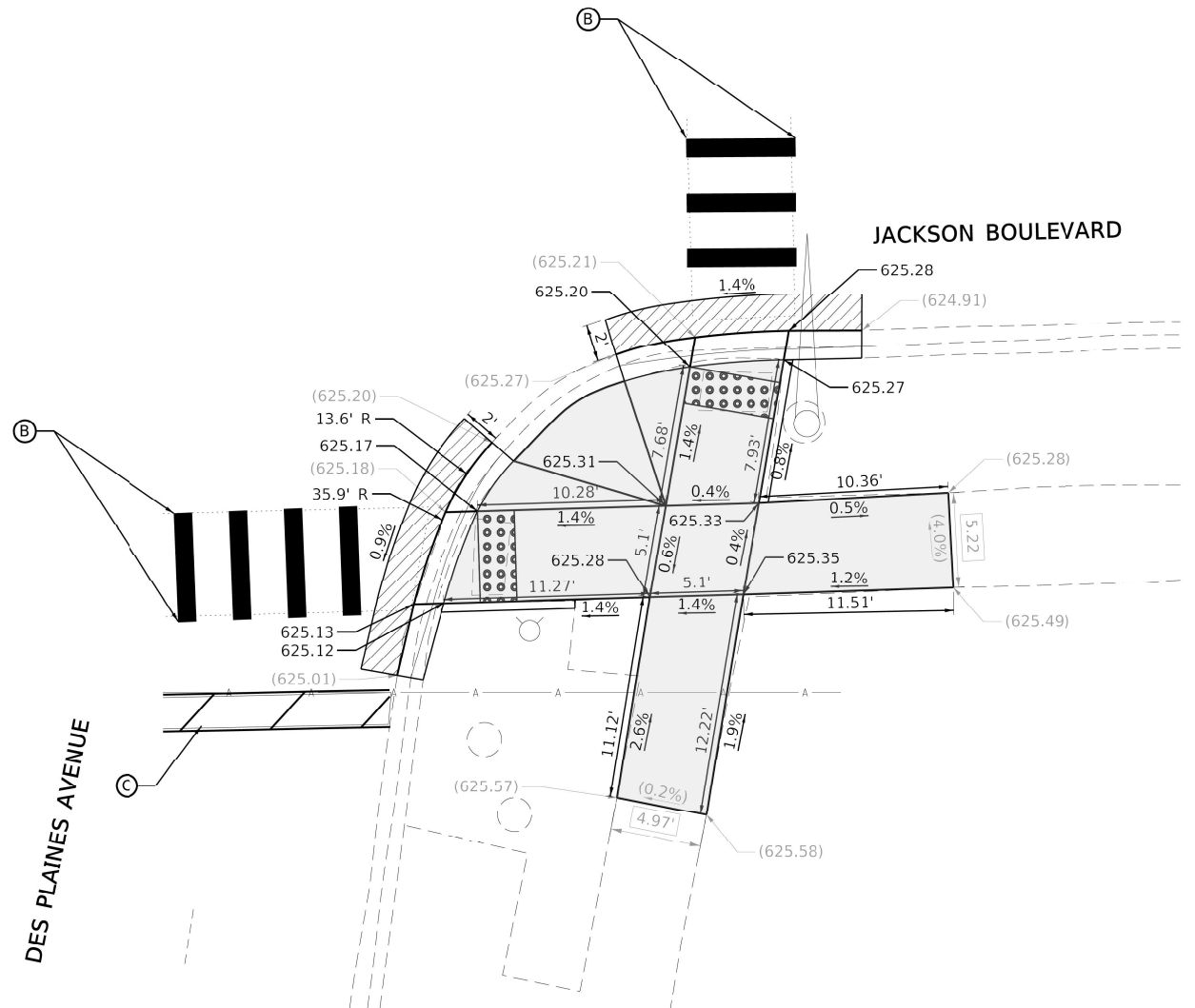
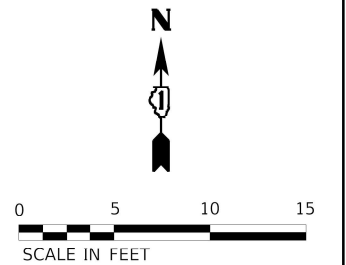
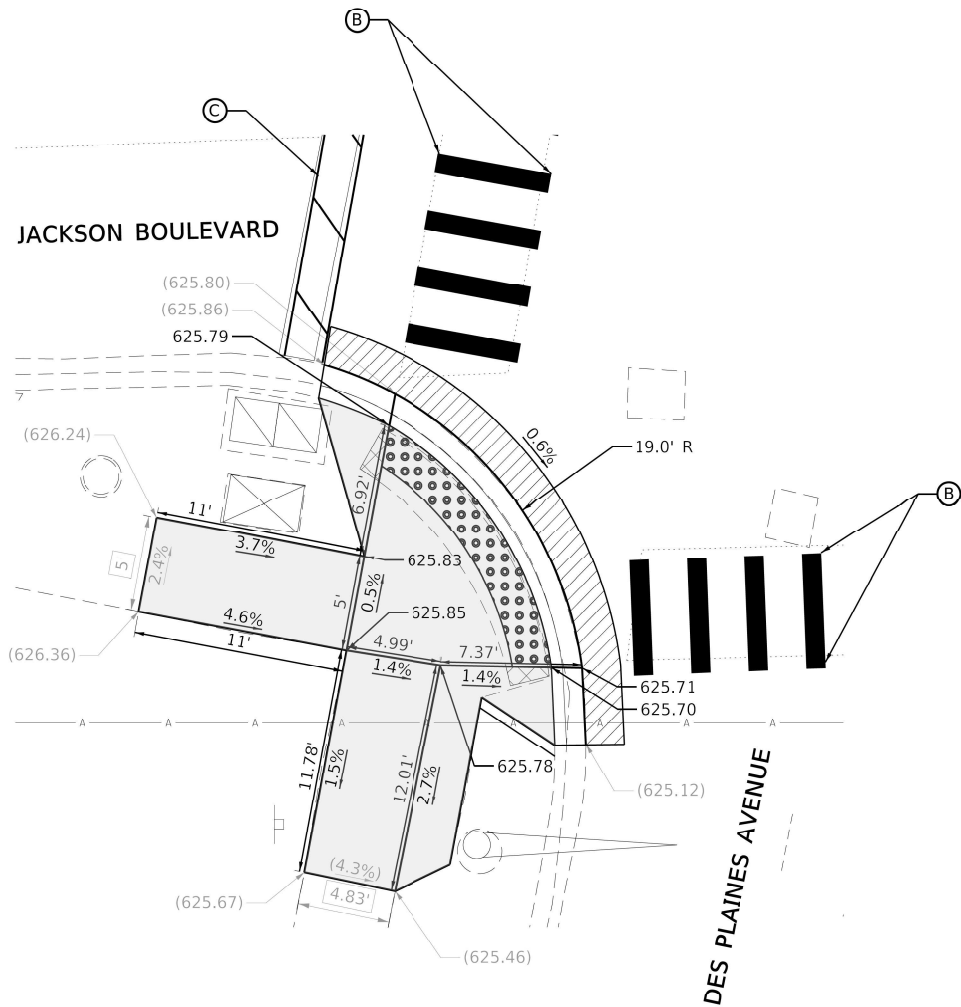
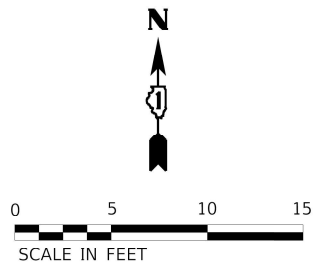
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & JACKSON BOULEVARD
NW AND NE QUADRANTS SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2759	SECTION FAU 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 22
CONTRACT NO. 62R80			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD

- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

REFERENCE BENCHMARK: XXXXXXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & JACKSON BOULEVARD
SW AND SE QUADRANTS SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	23
CONTRACT NO. 62R80				

ILLINOIS FED. AID PROJECT

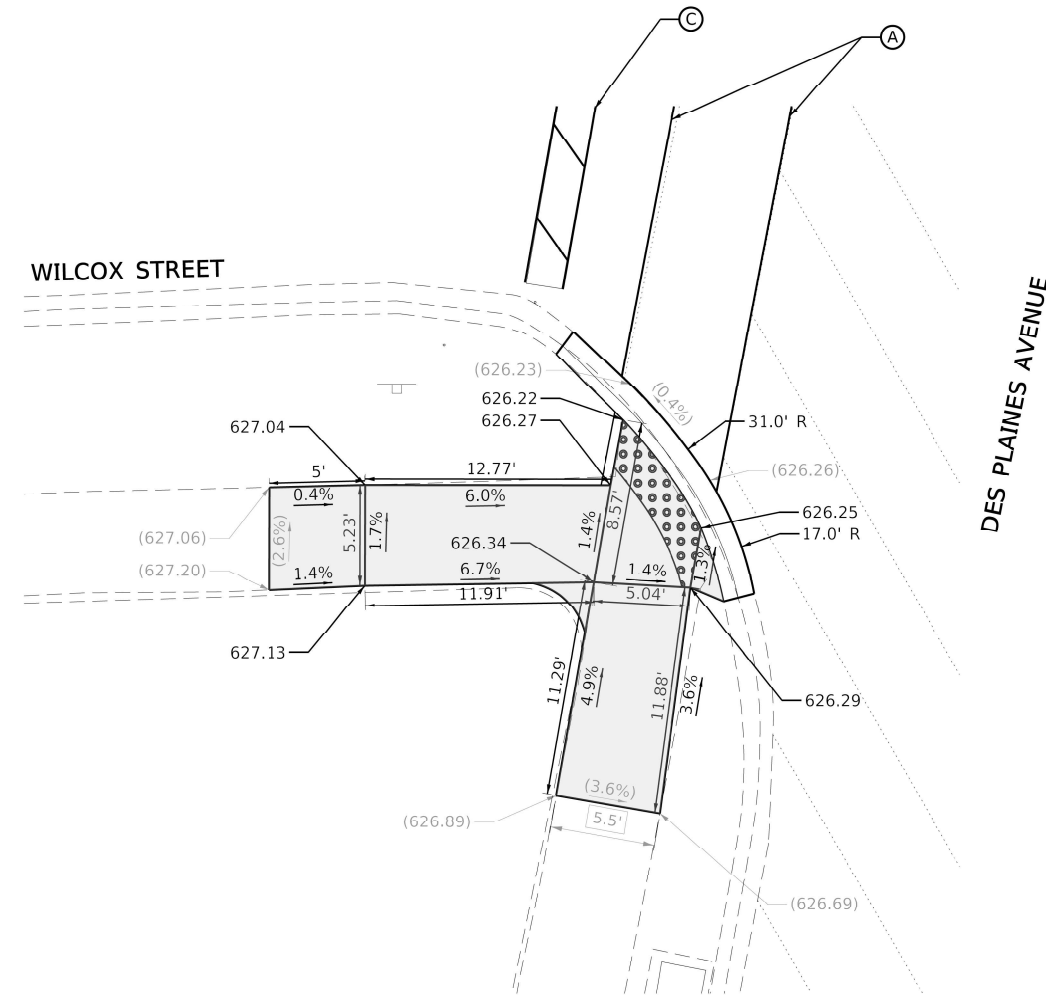
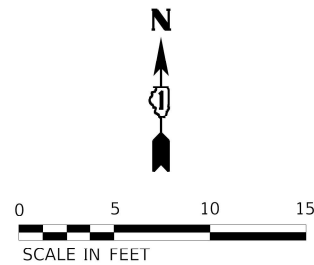
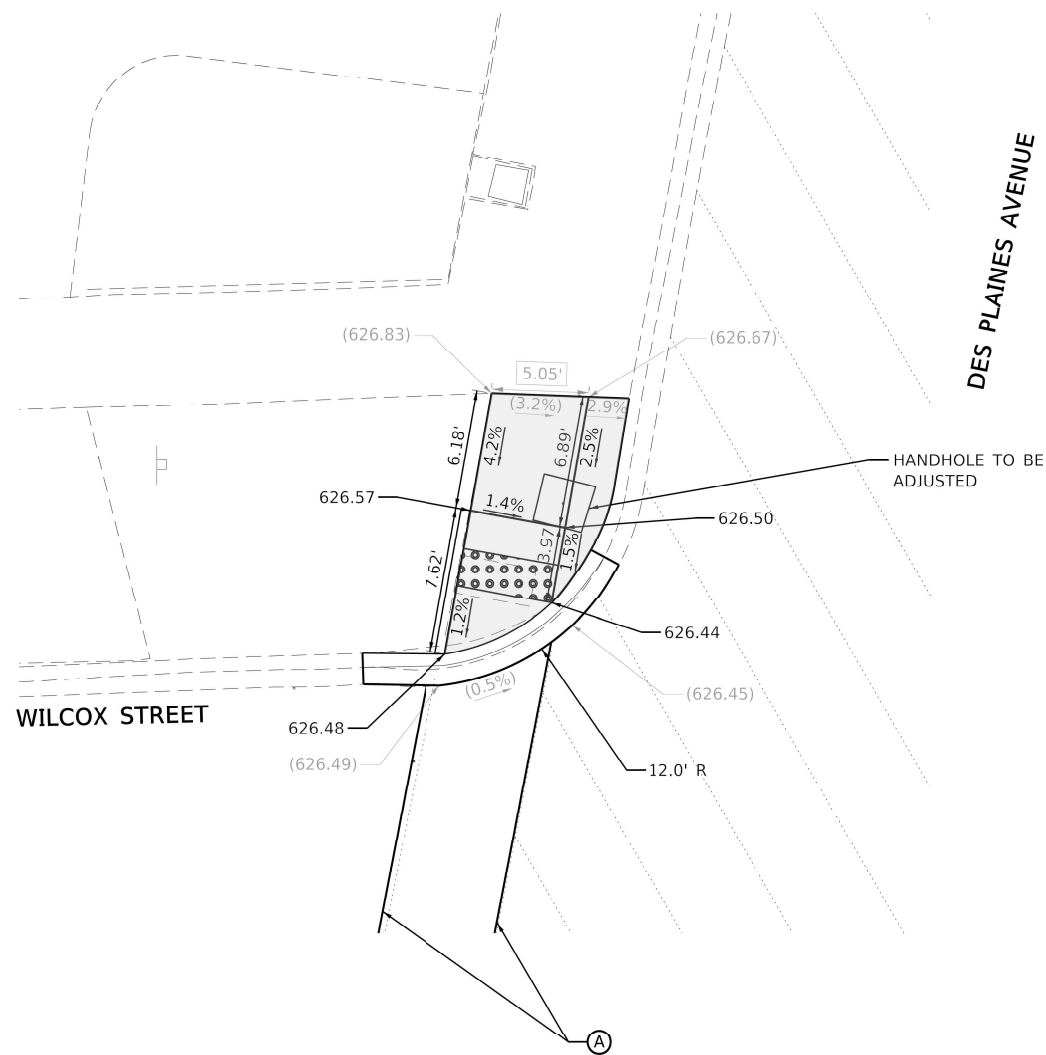
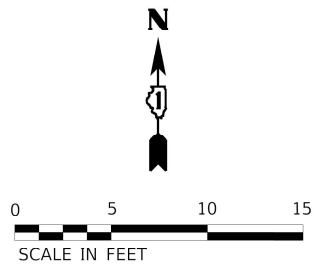
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Farnsworth GROUP
 1011 WARRENVILLE ROAD, SUITE 375
 Lisle, ILLINOIS 60532
 (630) 296-5877 / info@fw.com

USER NAME = njackson
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 PLOT DATE = 4/13/2022

DESIGNED NDJ
 DRAWN NDJ
 CHECKED BPT
 DATE 12/17/21

REVISED -
 REVISED -
 REVISED -
 REVISED -



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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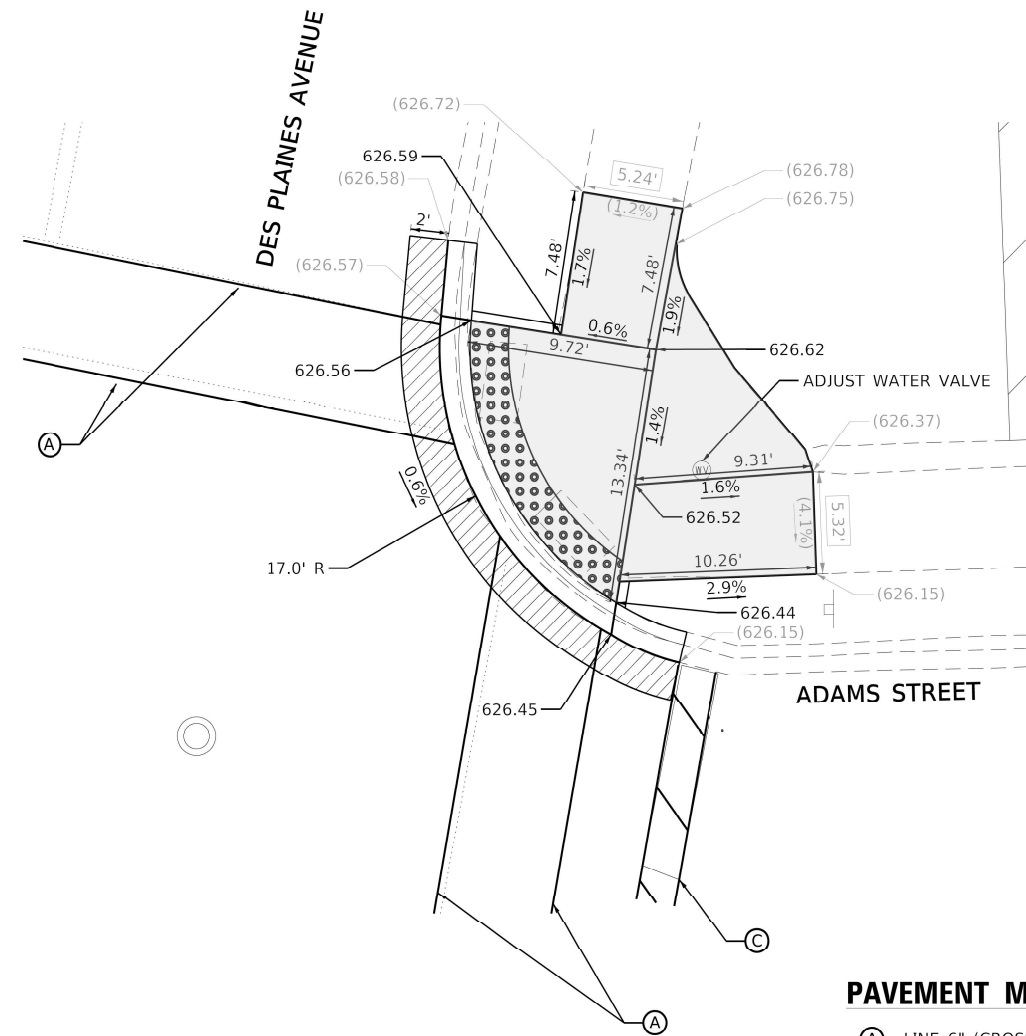
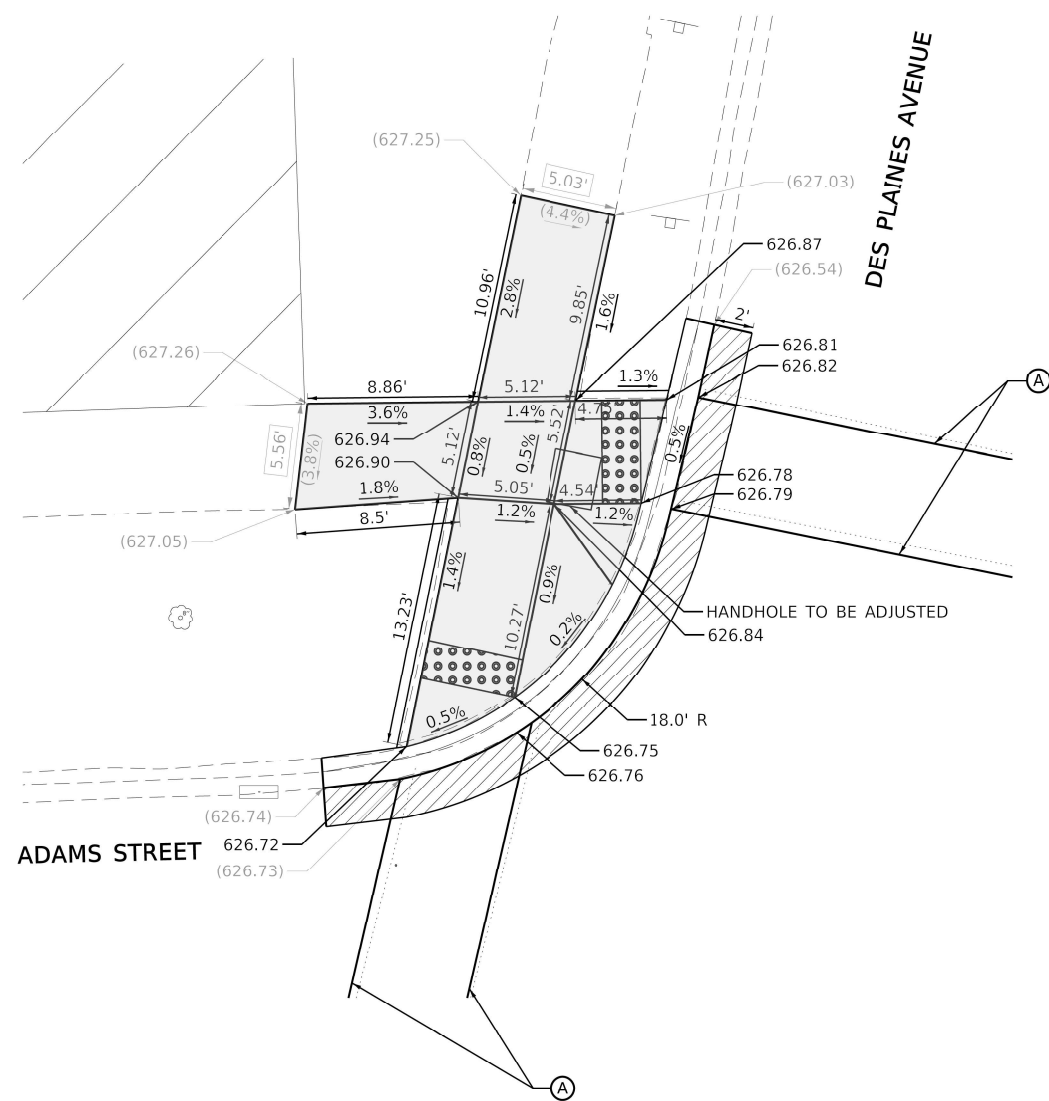
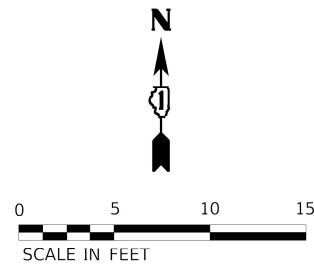
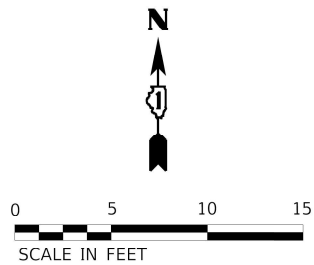
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	DATE 12/17/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & WILCOX STREET
NW AND SW QUADRANTS SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2759	SECTION FAU 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 24
CONTRACT NO. 62R80			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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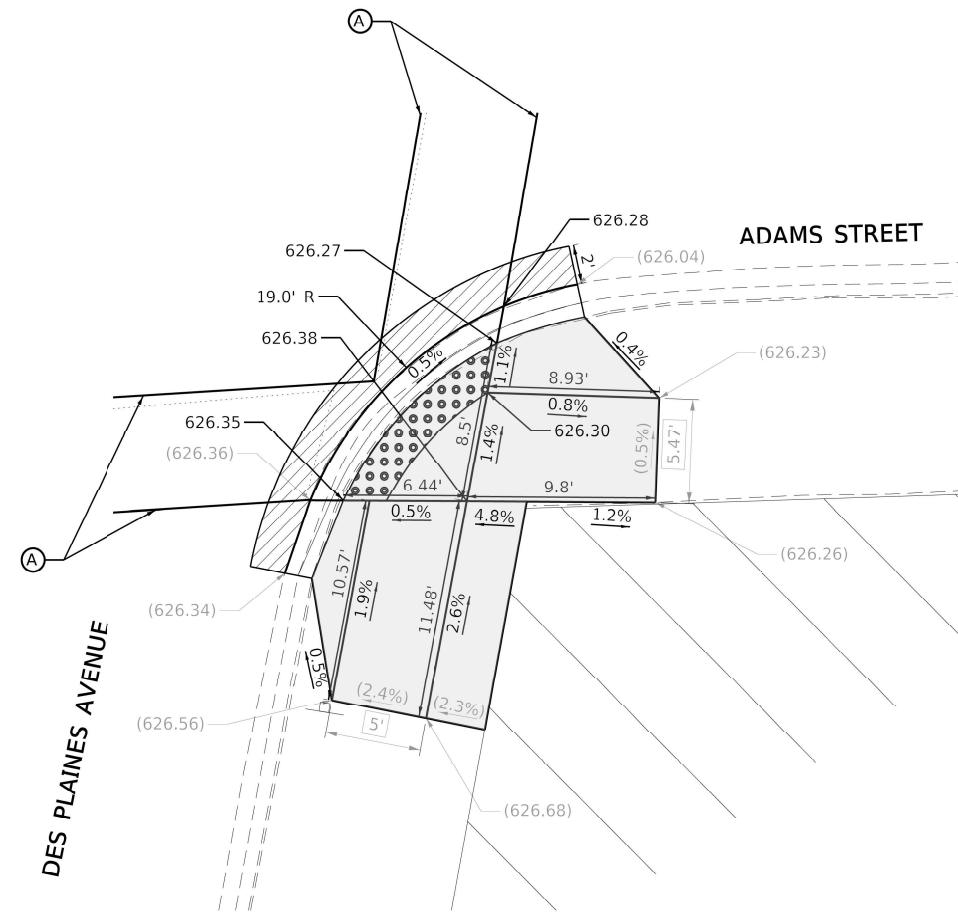
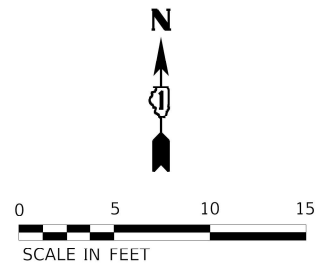
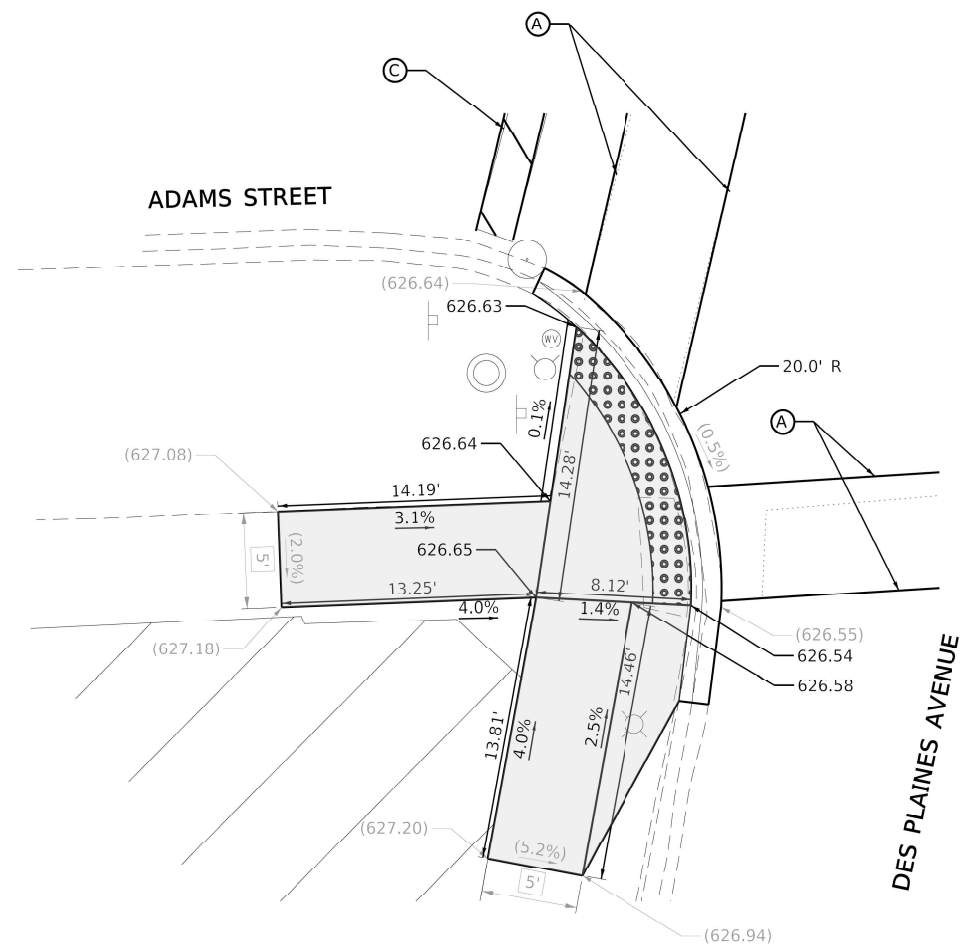
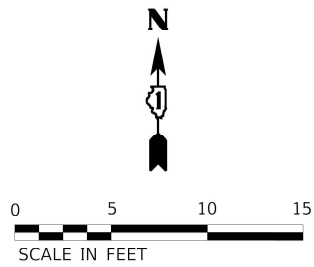
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & ADAMS STREET
NW AND NE QUADRANTS SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R80	



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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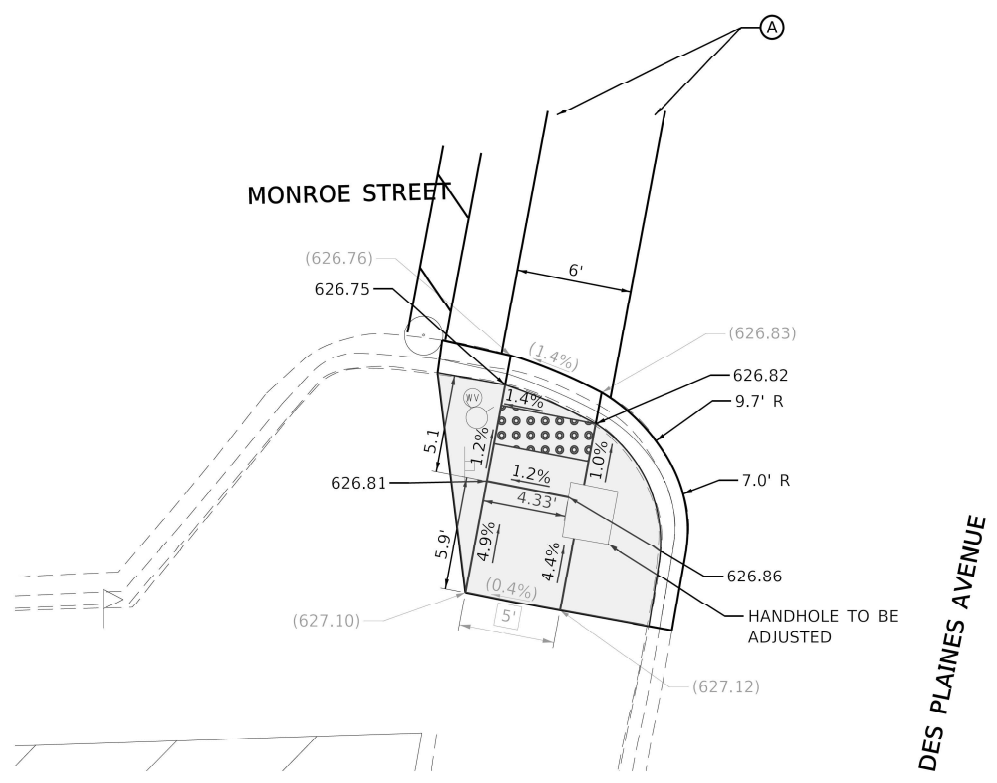
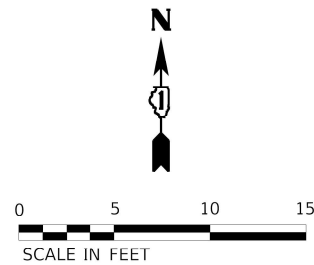
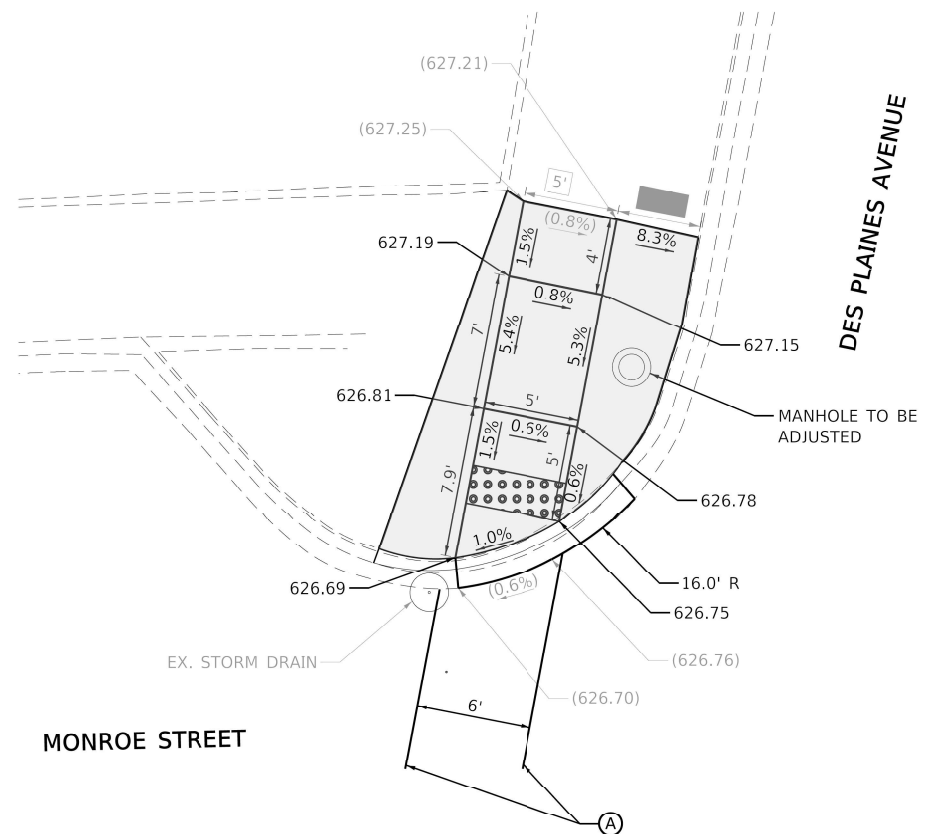
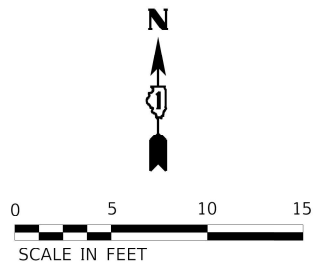
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	DATE 12/17/21	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & ADAMS STREET
SW AND SE QUADRANTS SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	26
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- (A) LINE 6" (CROSSWALK, WHITE)
- (B) LINE 12" (CROSSWALK, WHITE)
- (C) LINE 24" (STOP BAR, WHITE)

REFERENCE BENCHMARK: XXXXXXXX

LEGEND

- PROPOSED DETECTABLE WARNINGS
- CLASS D PATCHES
- SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- PROPOSED PCC SIDEWALK
- PROPOSED COMBINATION CONCRETE CURB & GUTTER OR CURB TYPE B
- EXISTING ELEVATION/SLOPE
- EXISTING LENGTH

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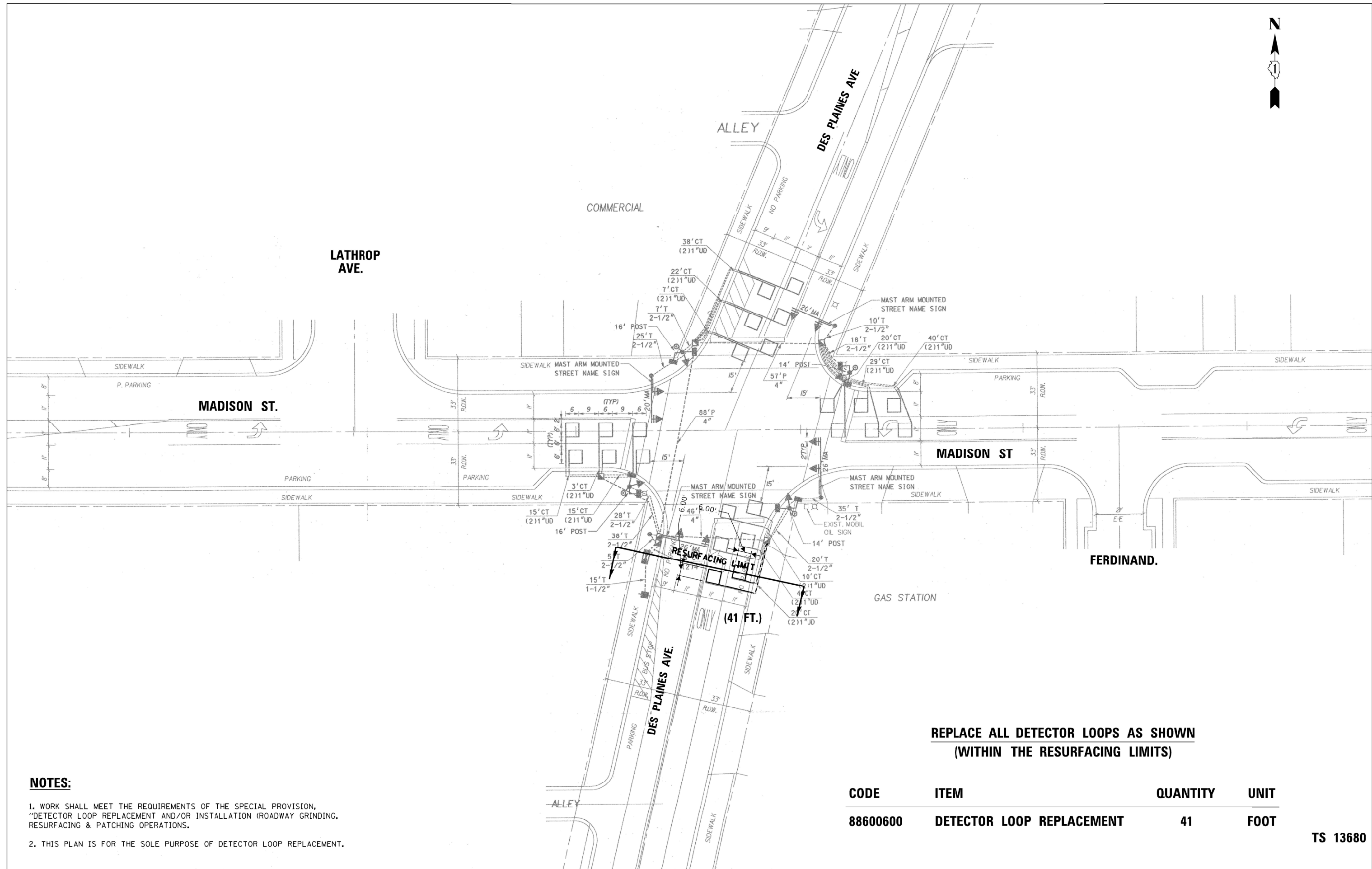
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DES PLAINES AVENUE & MONROE STREET
NW AND SW QUADRANTS SIDEWALK IMPROVEMENTS**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	27
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	41	FOOT

TS 13680

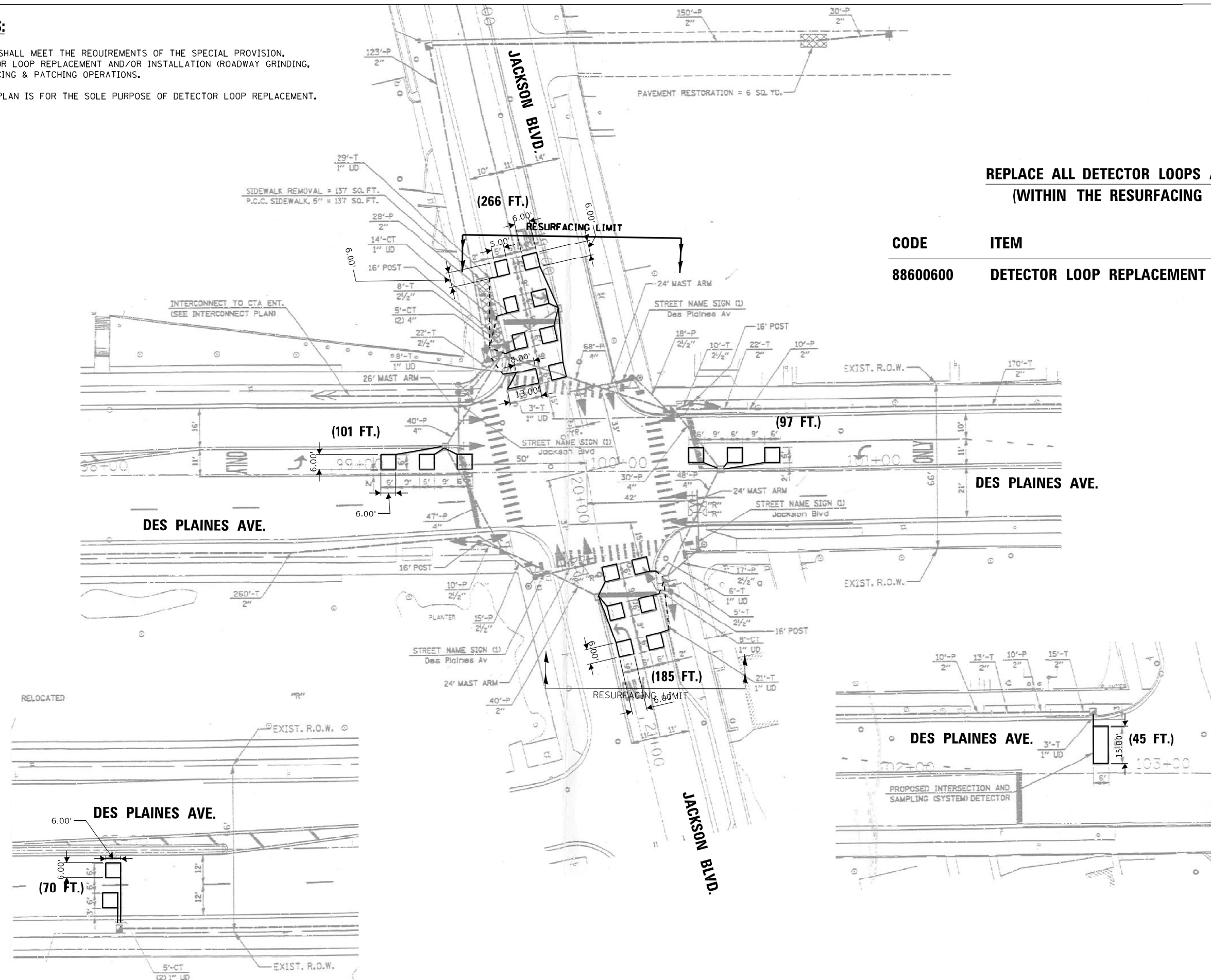
NOTES:

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



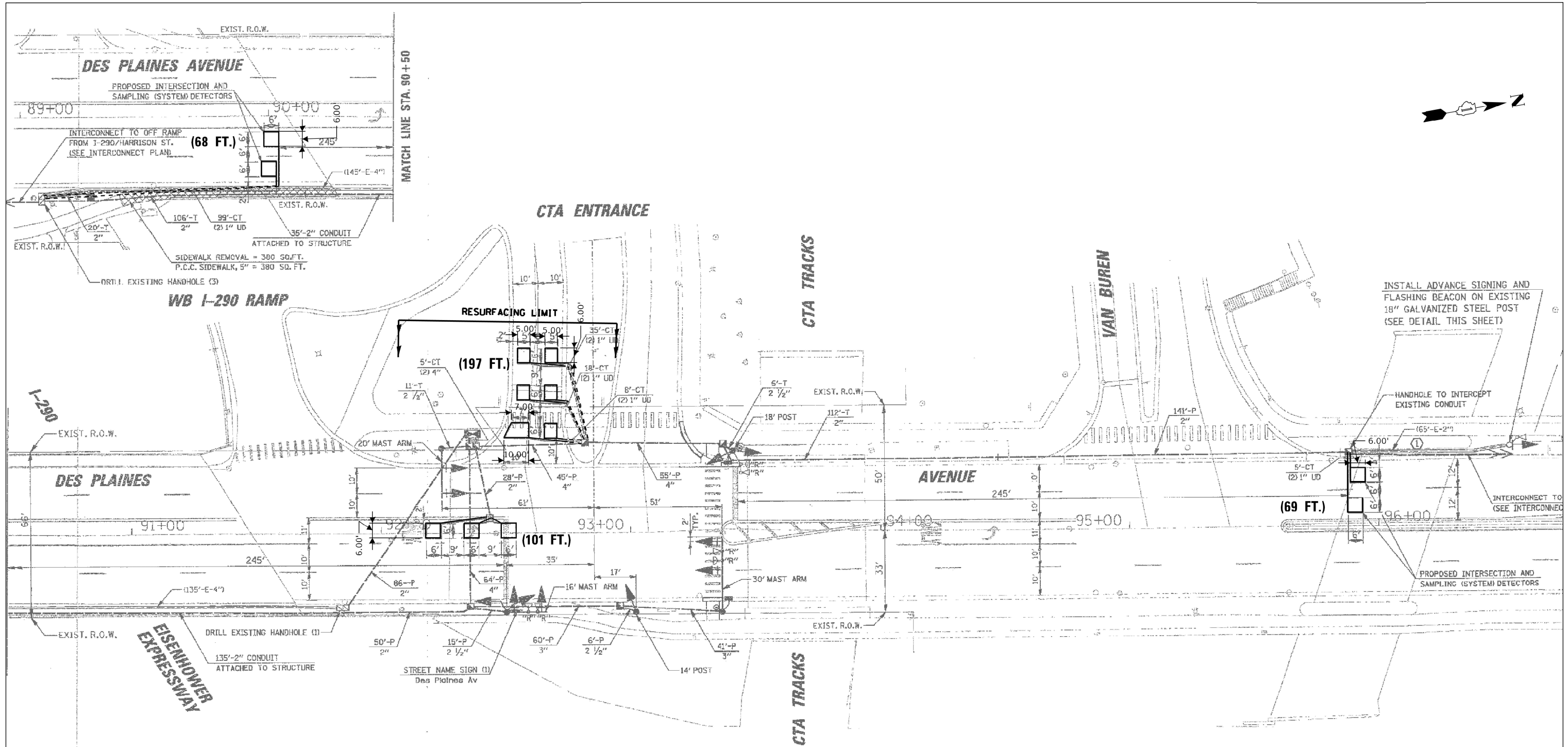
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	764	FOOT



**TS 13685
EAGLE 8M**

FILE NAME =	USER NAME = Lukasz.Poczecha	DESIGN MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN DES PLAINES AVE AT JACKSON ST	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\Gen\WP\PLANPREP\SQUAD_3\62R80 - Des	Plaines Ave (Madison St to Roosevelt Rd) - Signal	DRAWN Tr-Mic Signals\62R80 Detector	REVISED -			2759	FAU 2759 22 RS	COOK	51	29	
Default	PLOT SCALE = 40.0000 sf / in.	CHECKED NB	REVISED -			CONTRACT NO. 62R80					
	PLOT DATE = 11/19/2022	DATE 11-14-2022	REVISED -			ILLINOIS FED. AID PROJECT					



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

NOTES:

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

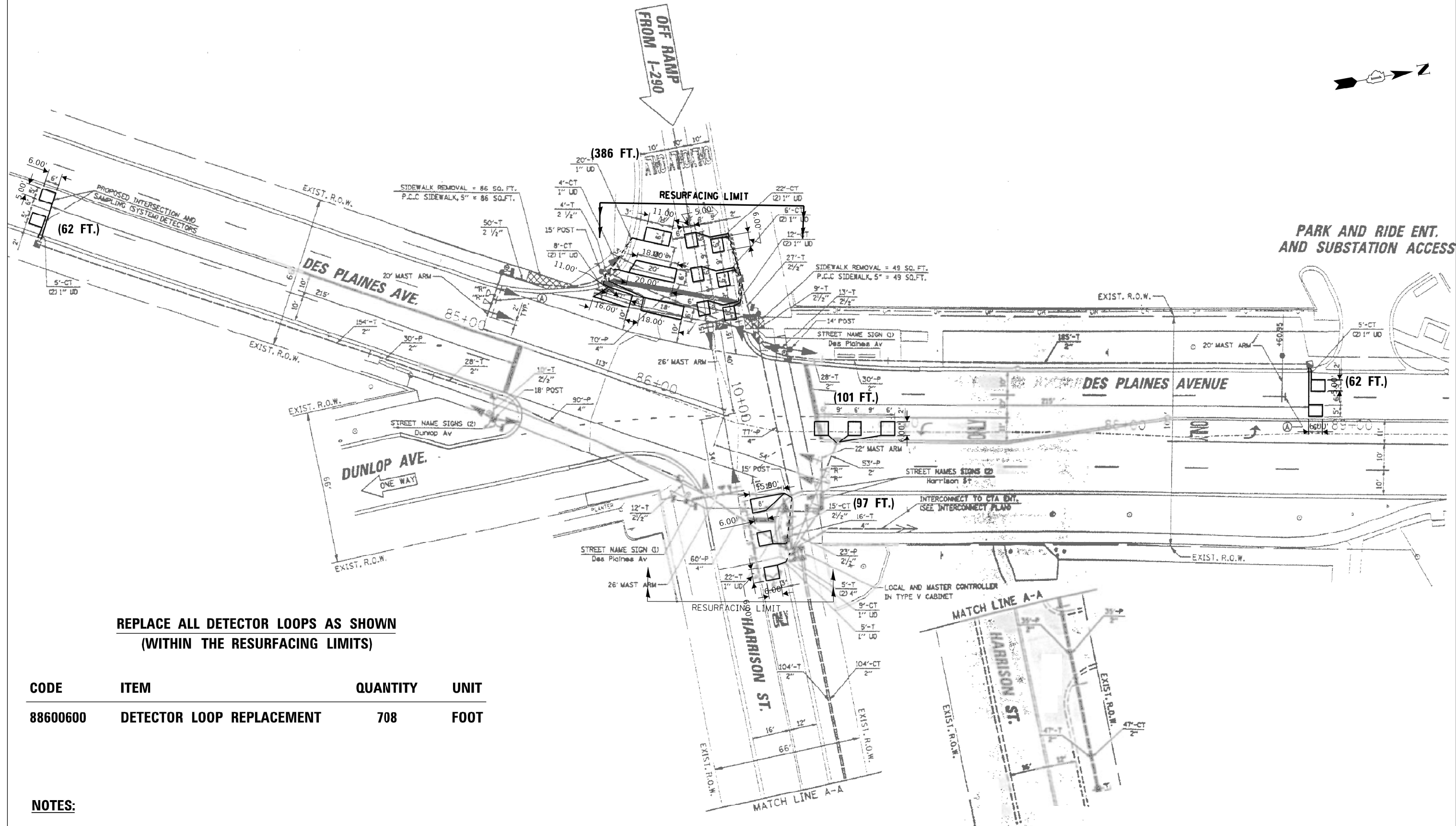
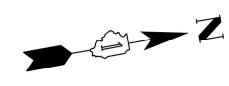
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	435	FOOT

**TS 13687
EAGLE 8M**

FILE NAME =	USER NAME = Lukasz.Poczecha	DESIGN MM	REVISED -
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	PLOT SCALE = 40.0000 sf / in.	CHECKED NB	REVISED -
Default	PLOT DATE = 11/19/2022	DATE 11-15-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DES PLAINES AVE AT CTA				2759	FAU 2759 22 RS	COOK	51	30
SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62R80				
				ILLINOIS FED. AID PROJECT				



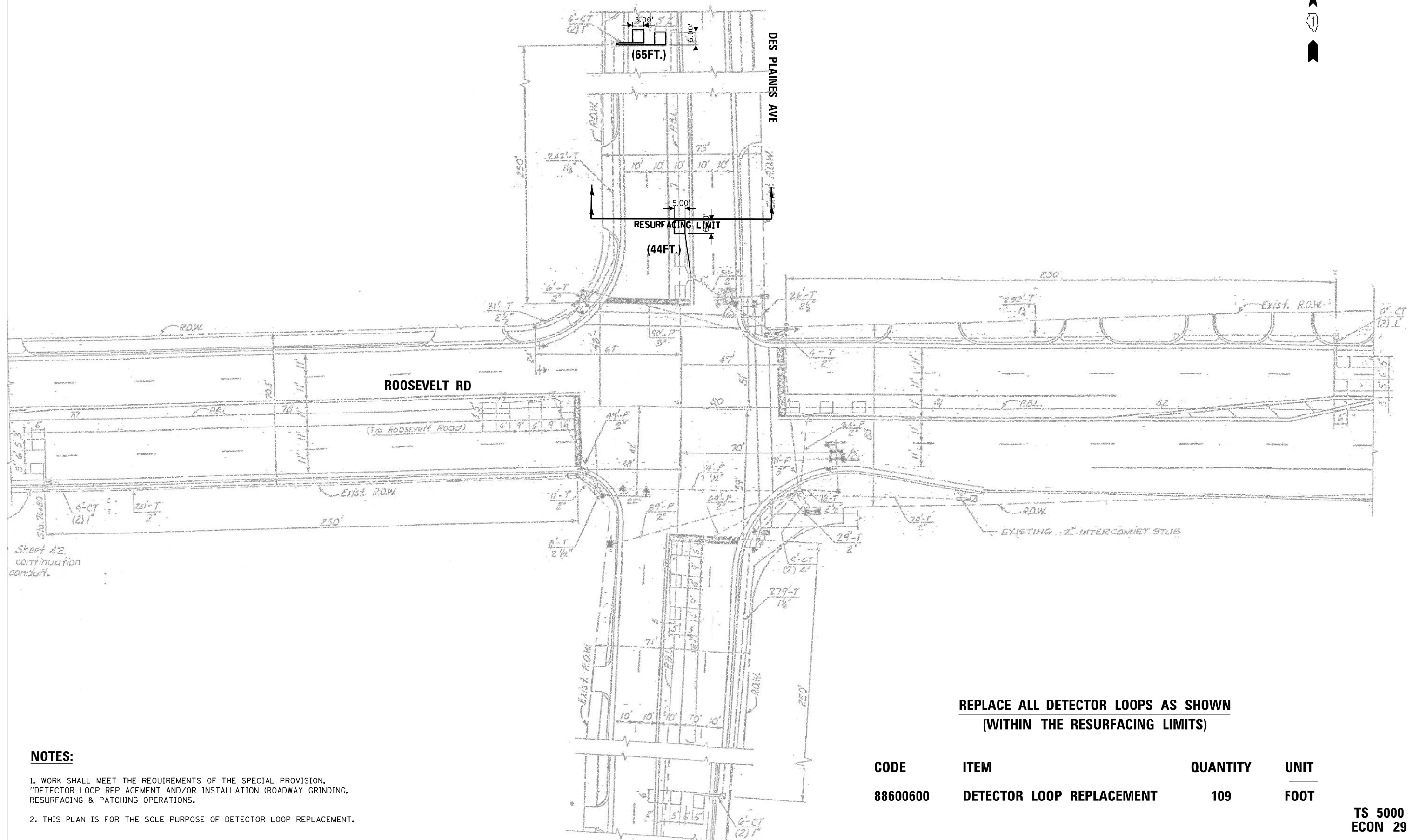
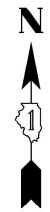
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	708	FOOT

NOTES:

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

**TS 115
EAGLE 8M**



Sheet #2
continuation
conduit.

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

NOTES:

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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	109	FOOT

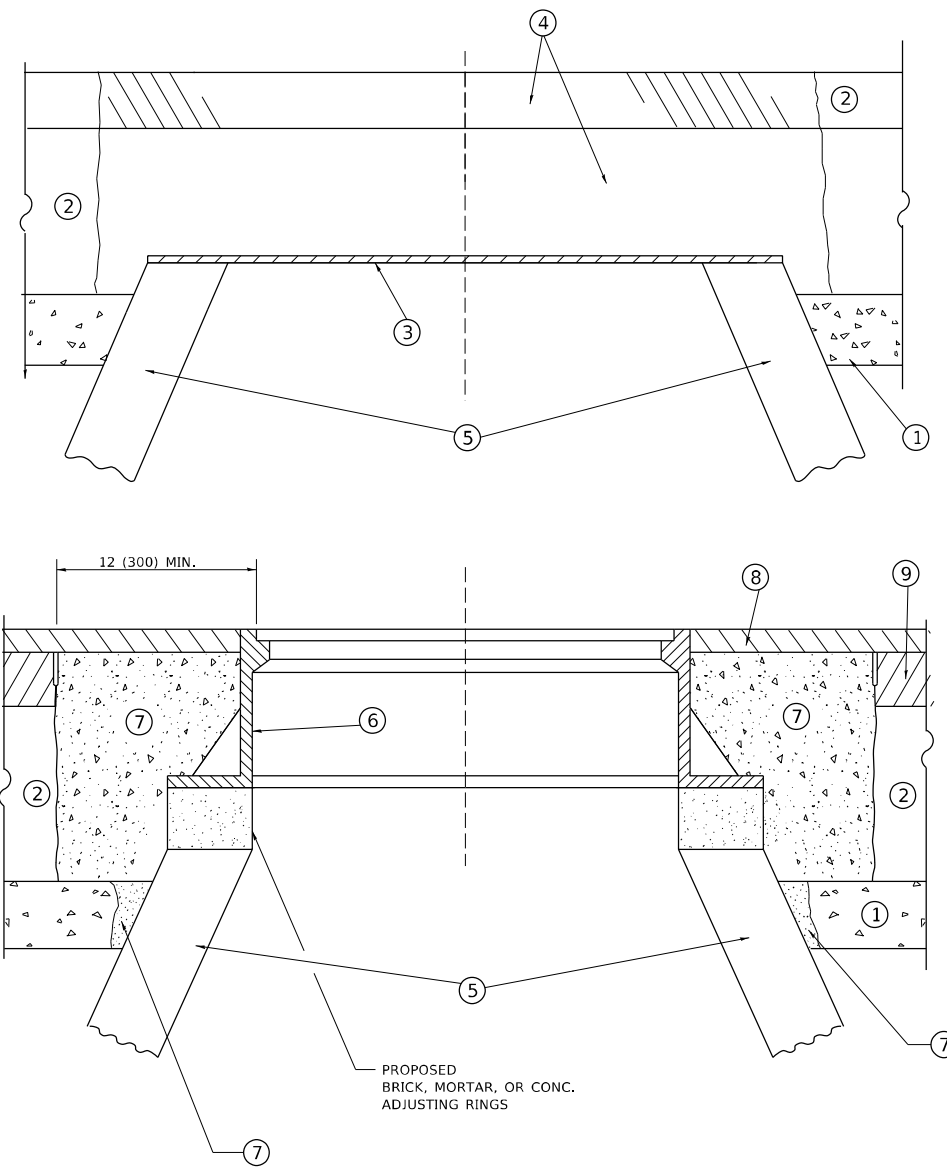
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ECON 29**

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	DATE 11-19-2022	DATE 11-7-2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN DES PLAINES AVE AT ROOSEVELT RD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62R80	



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
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.

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

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	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 11/21/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

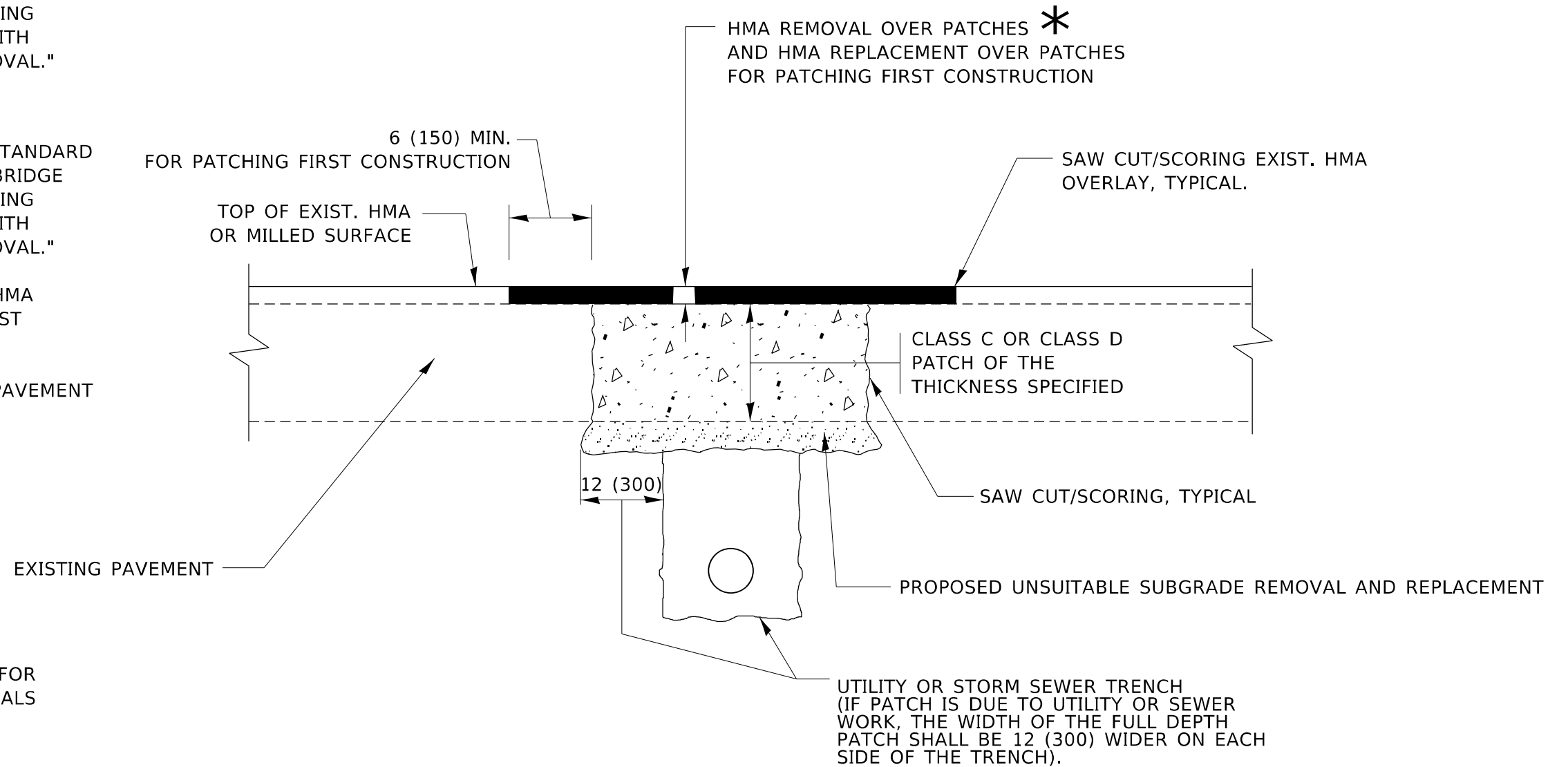
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	33
BD600-03 (BD-08)		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

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

BASIS OF PAYMENT

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ 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.

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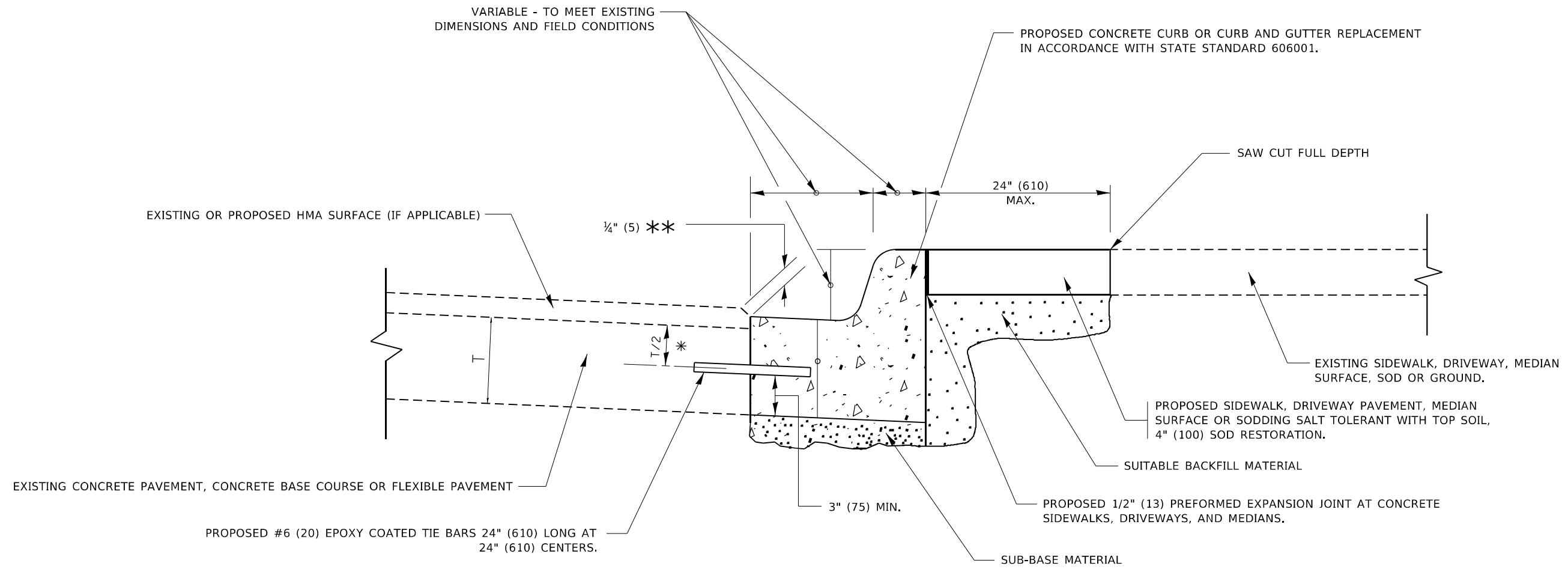
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PLOT DATE = 11/21/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	34
BD400-04 (BD-22)		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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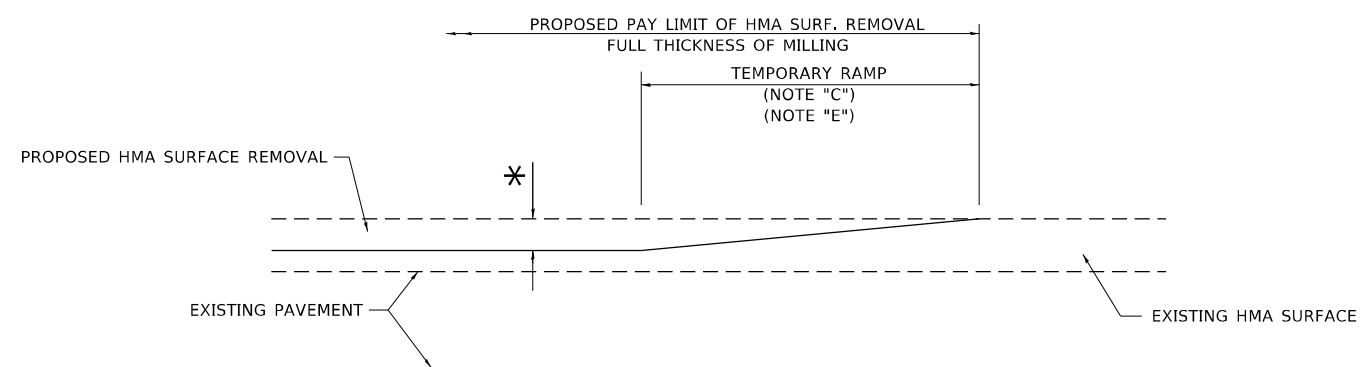
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	DRAWN -	REVISED - M. GOMEZ 01-22-01
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - R. BORO 12-15-09
PLOT DATE = 11/21/2022	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

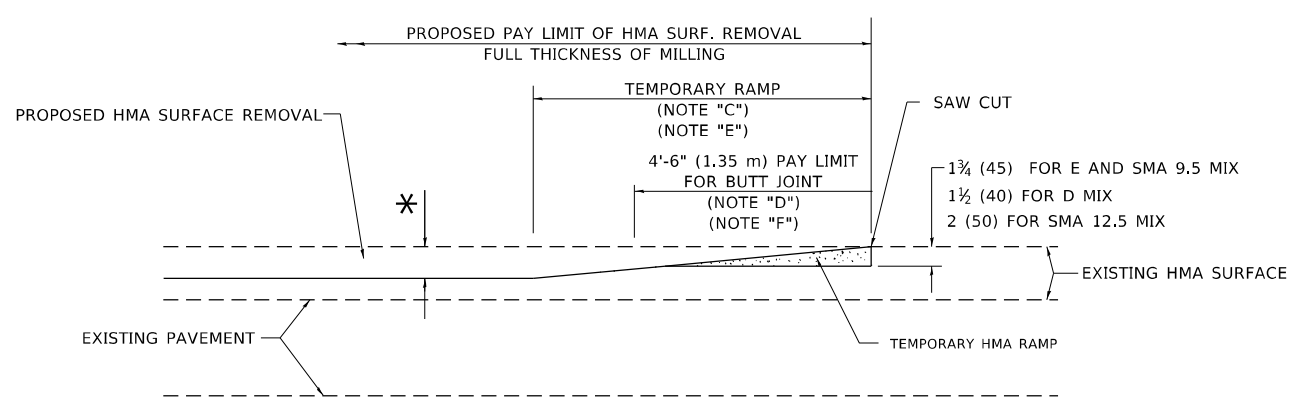
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	35
BD600-06 (BD-24)		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

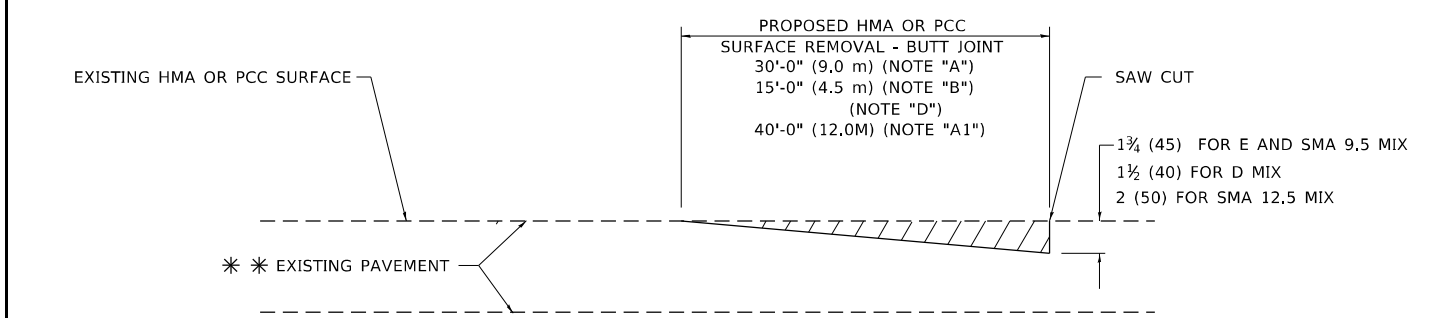
OPTION 1



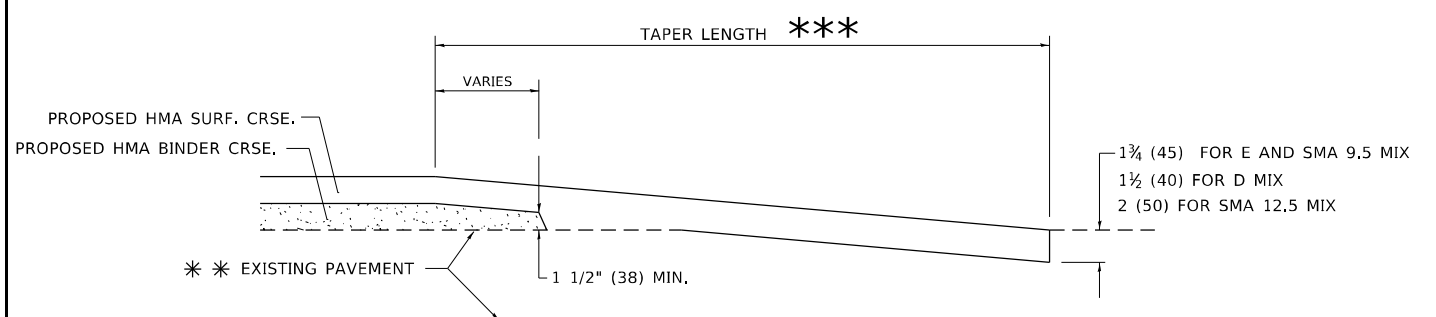
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

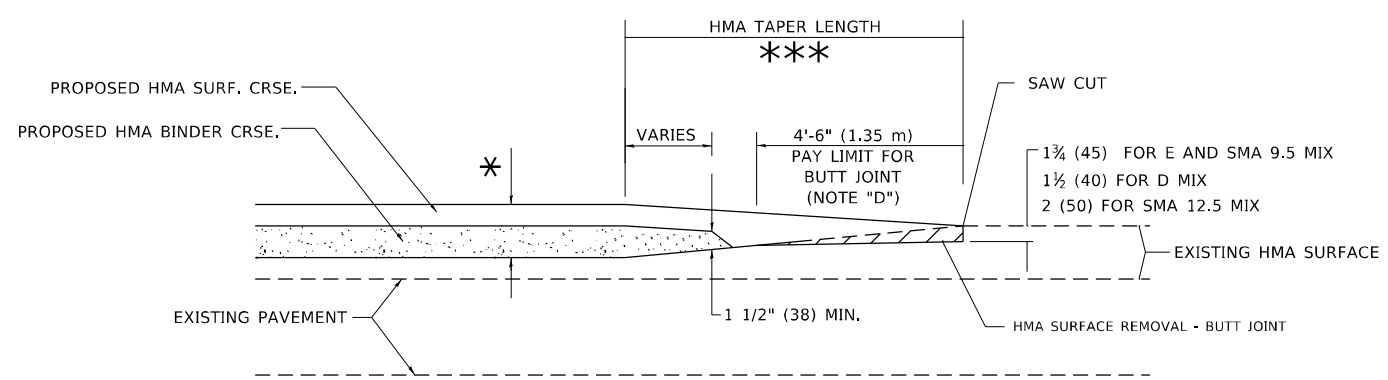
GENERAL NOTES

- 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

- 1. 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.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

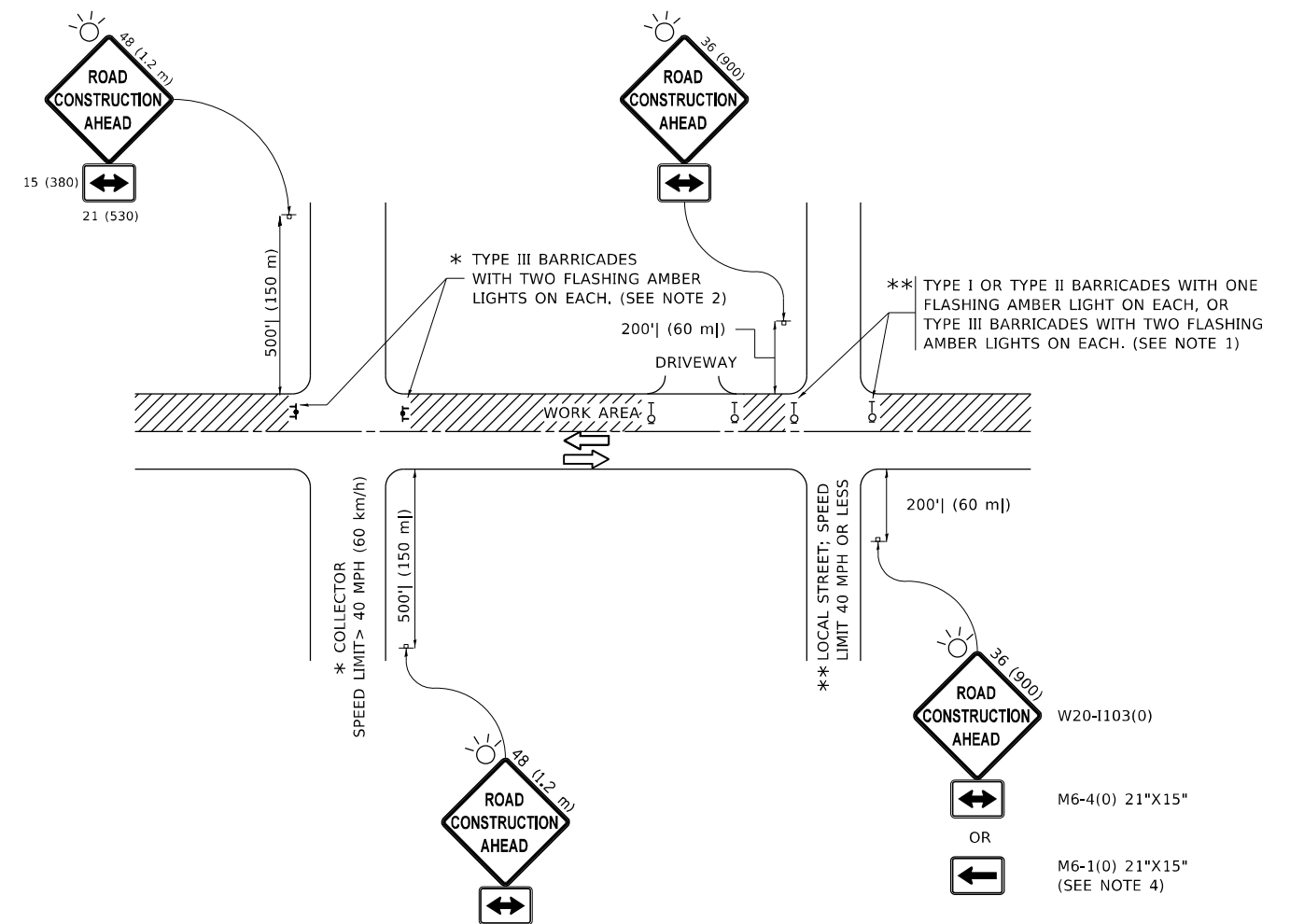
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	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/21/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	36
BD400-05 BD-32		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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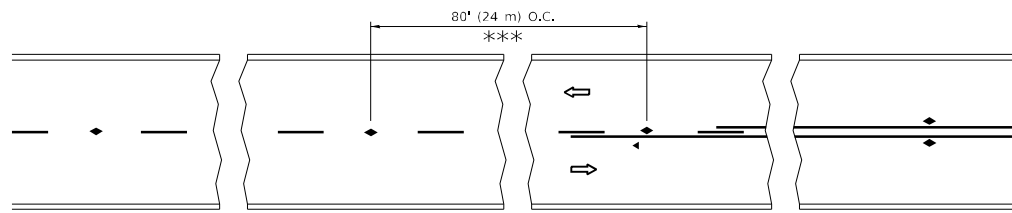
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 11/21/2022	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

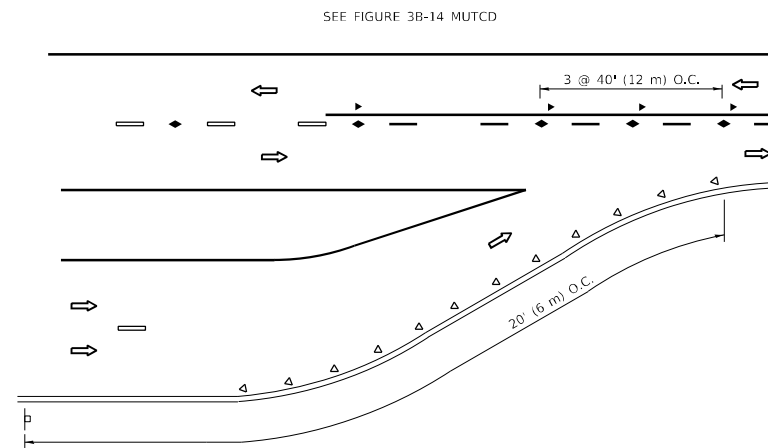
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				

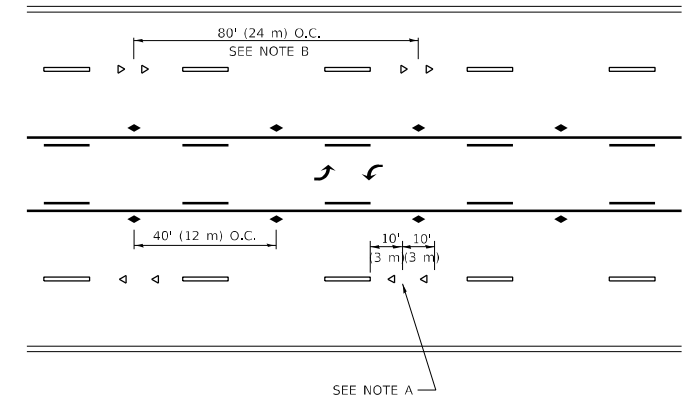


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

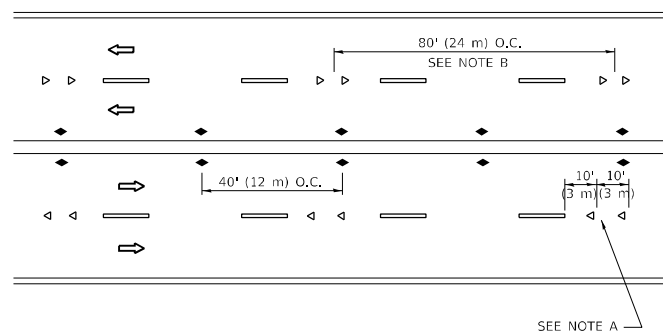
TWO-LANE/TWO-WAY



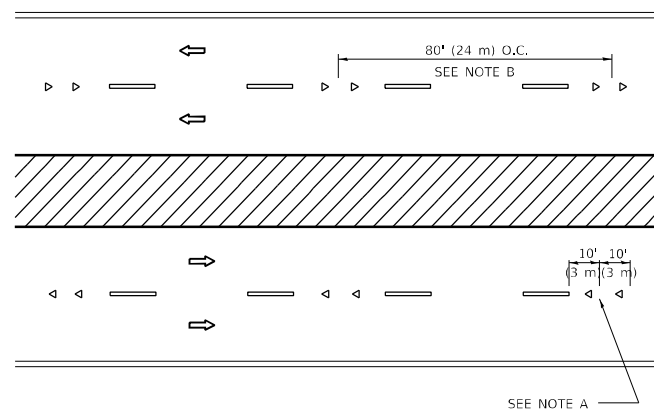
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

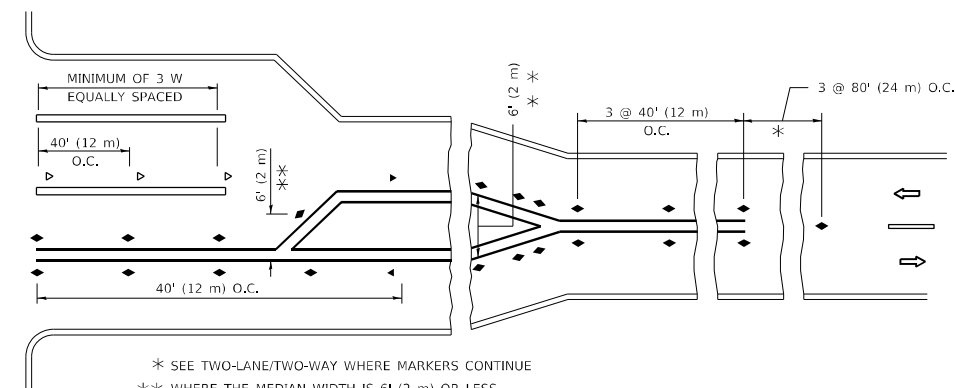
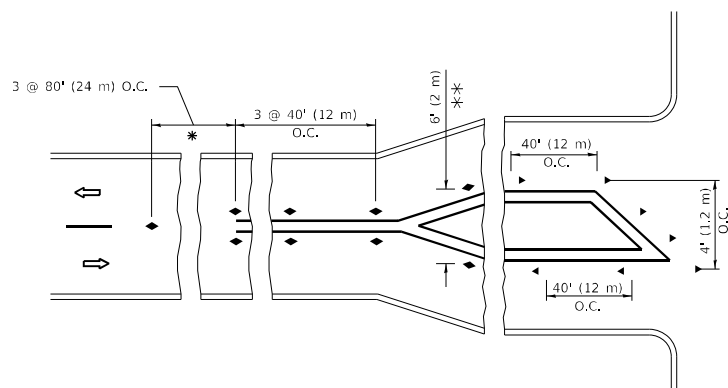
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



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

TURN LANES

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

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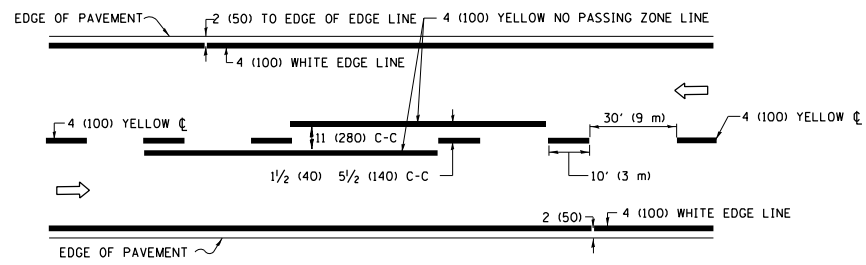
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 11/21/2022	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

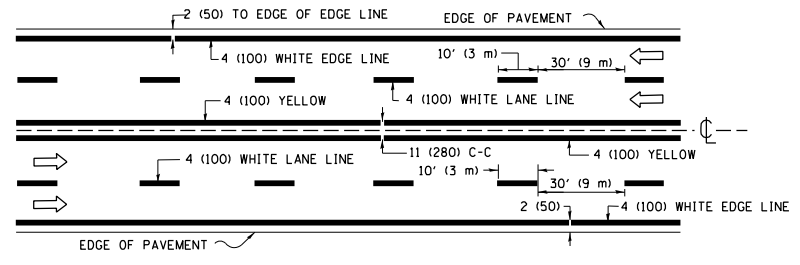
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

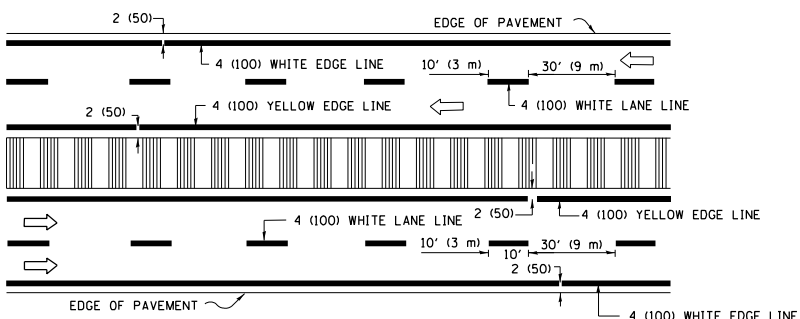
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	38
TC-11		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

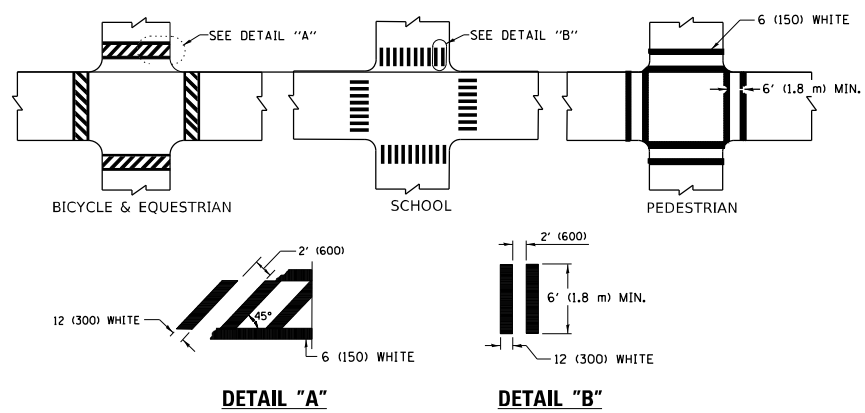


MULTI-LANE UNDIVIDED



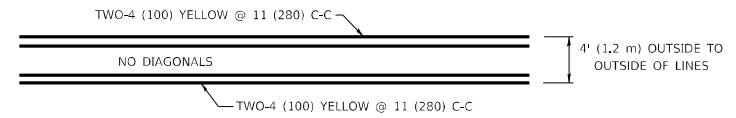
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

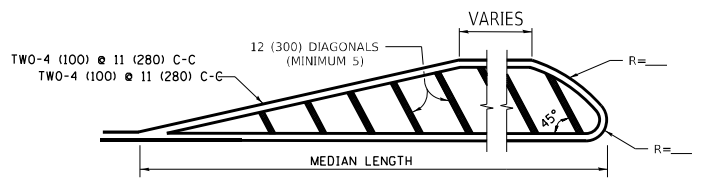


TYPICAL CROSSWALK MARKING

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

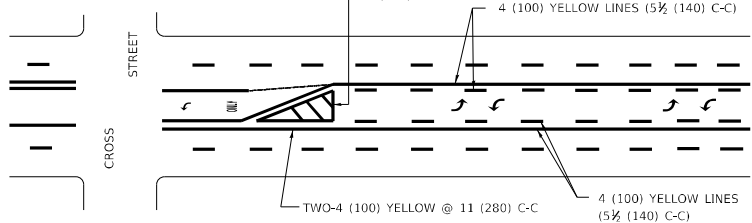


4' (1.2 m) WIDE MEDIANS ONLY

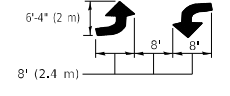


MEDIANS OVER 4' (1.2 m) WIDE

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

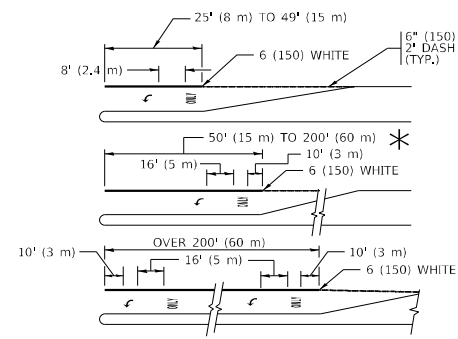


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

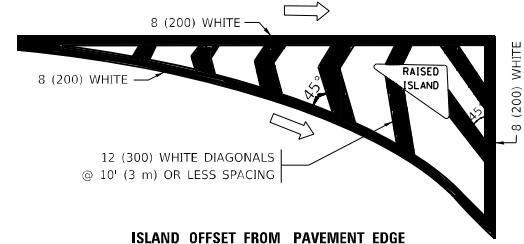
TYPICAL PAINTED MEDIAN MARKING



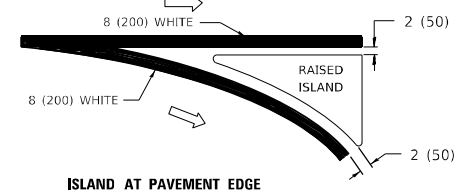
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

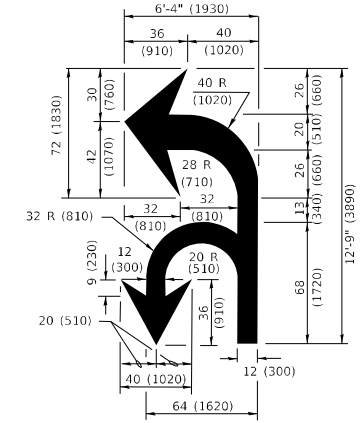
TYPICAL TURN LANE MARKING



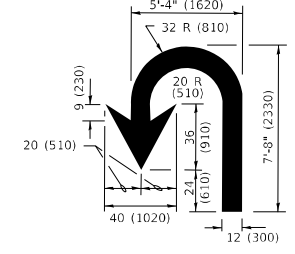
ISLAND OFFSET FROM PAVEMENT EDGE



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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

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

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 11/21/2022	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	39
TC-13		CONTRACT NO. 62R80		
		ILLINOIS FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

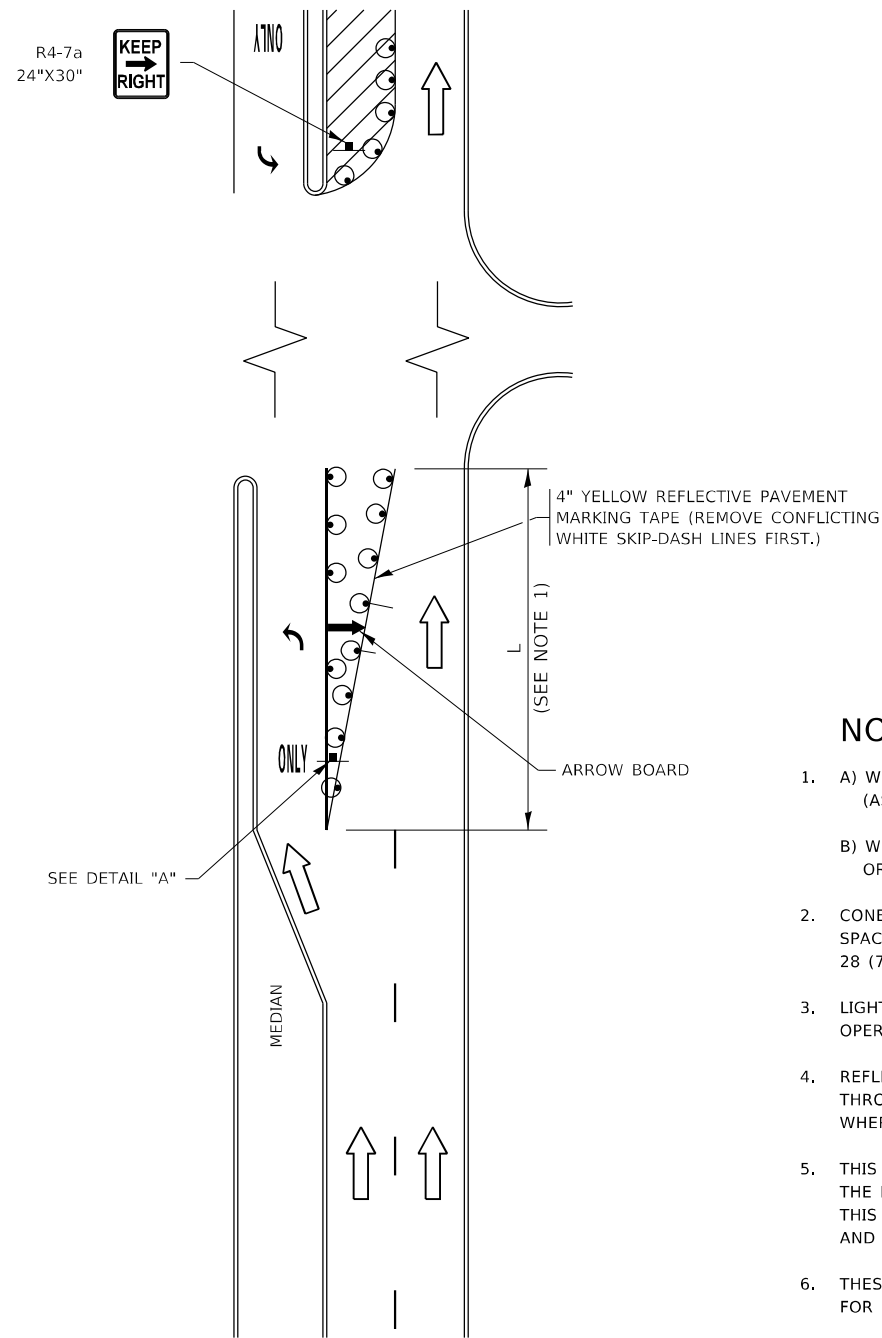


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

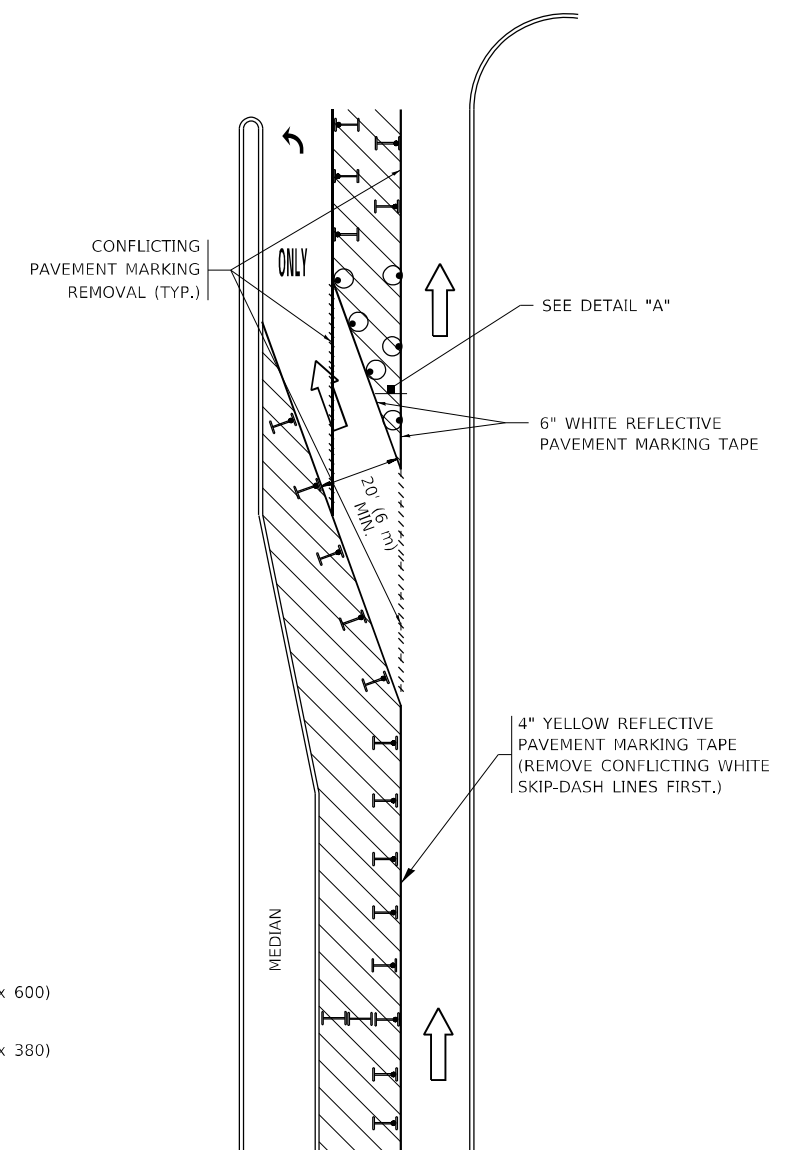


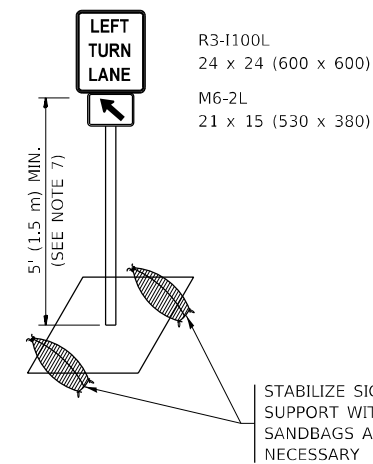
FIGURE 2

LEGEND

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

NOTES:

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



DETAIL A

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

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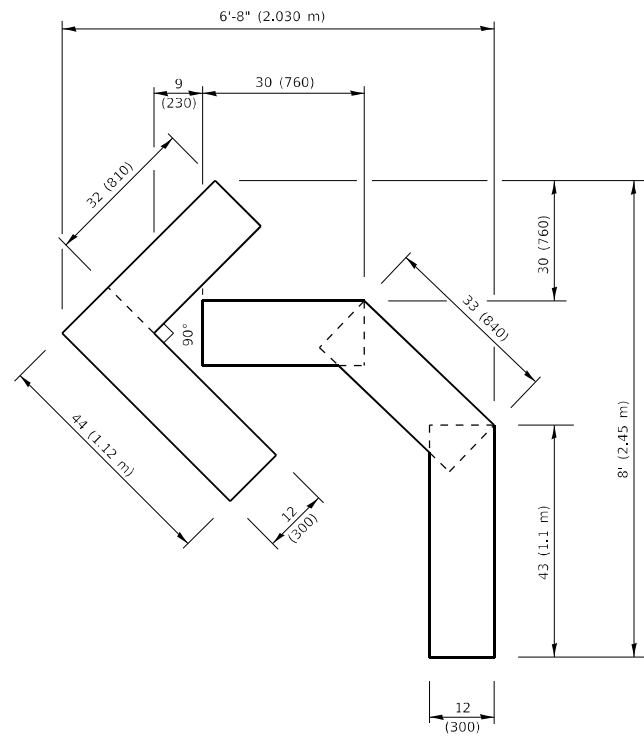
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100,0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 11/21/2022	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

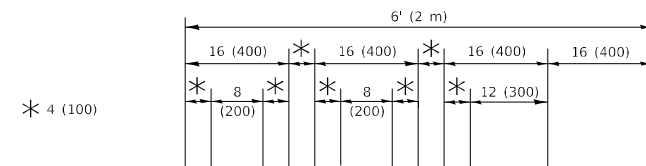
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-14		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



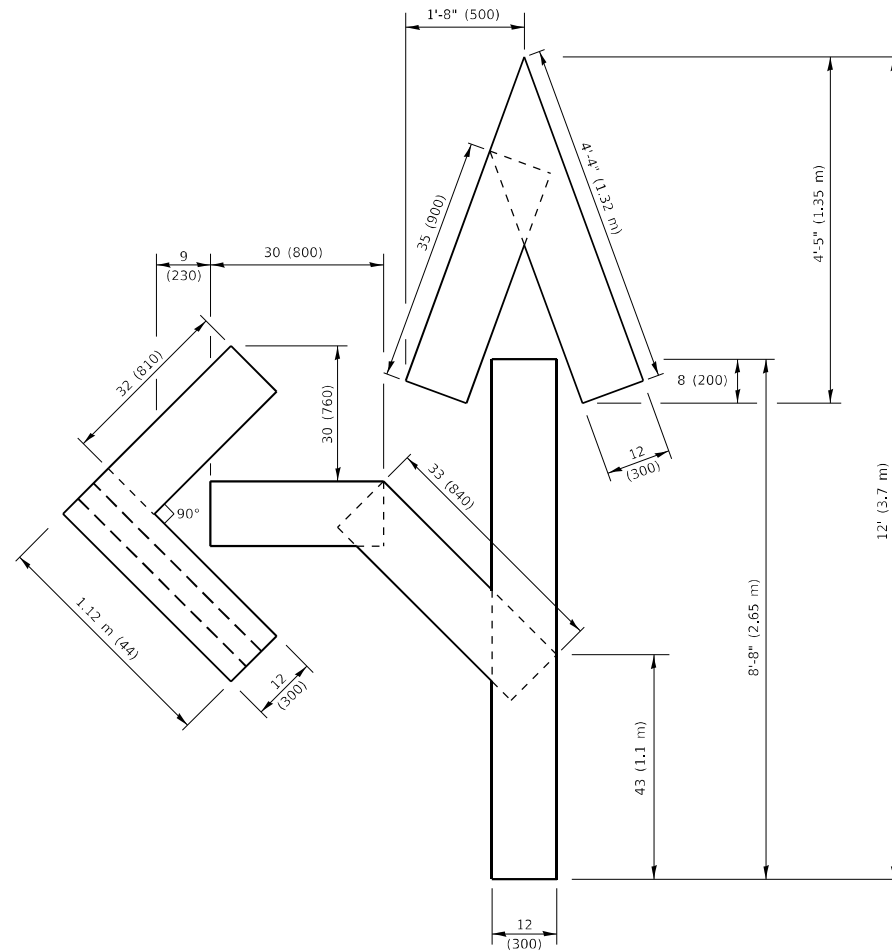
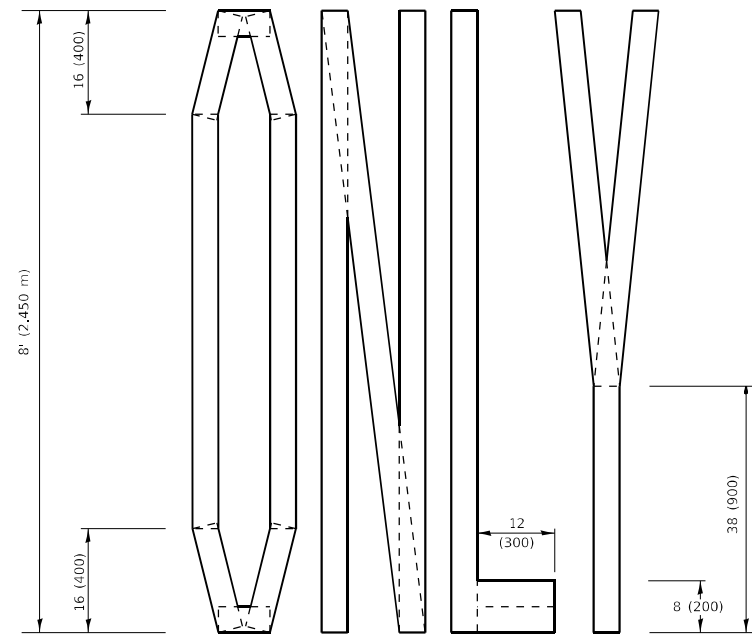
QUANTITY

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



QUANTITY

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

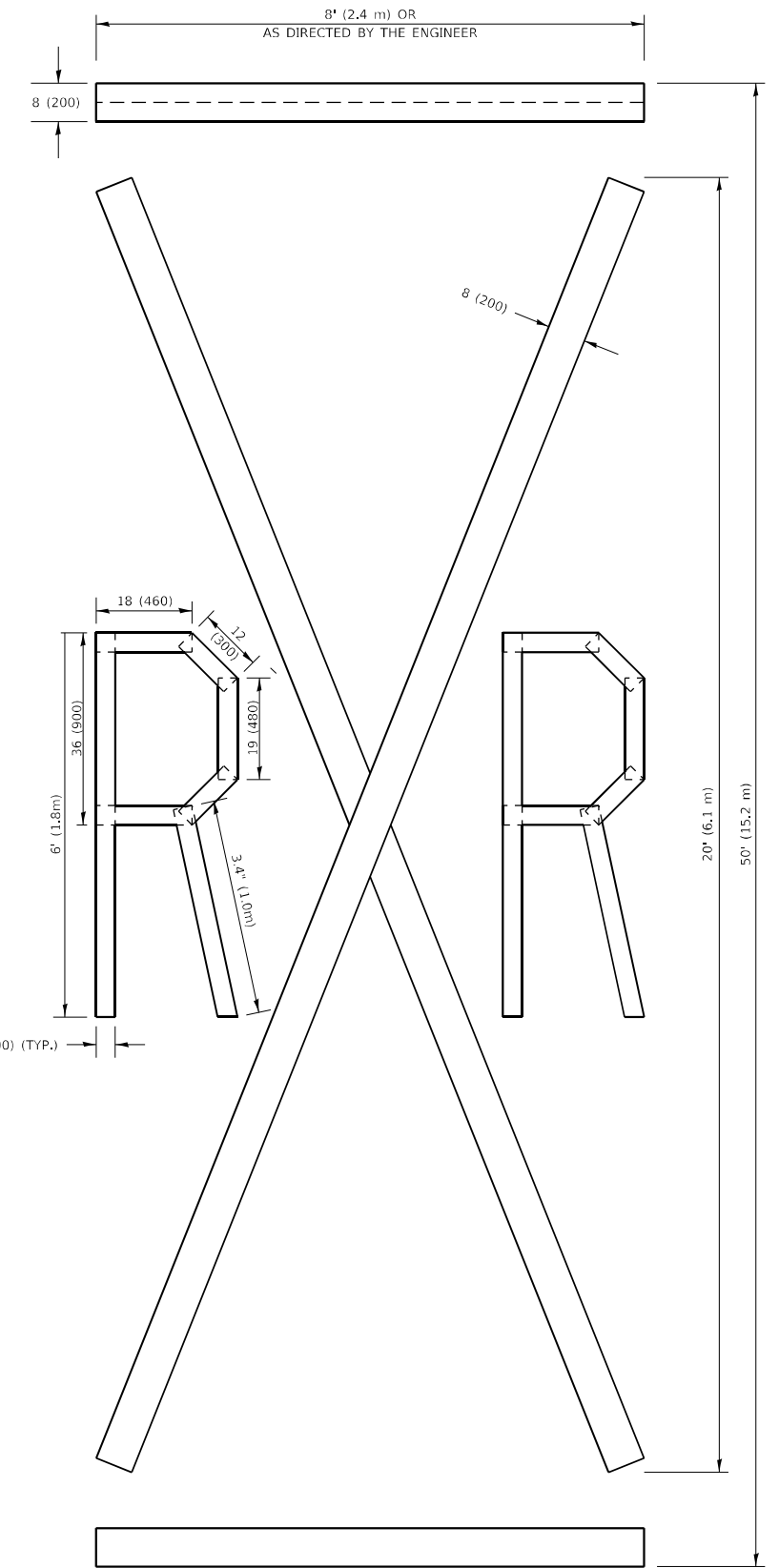


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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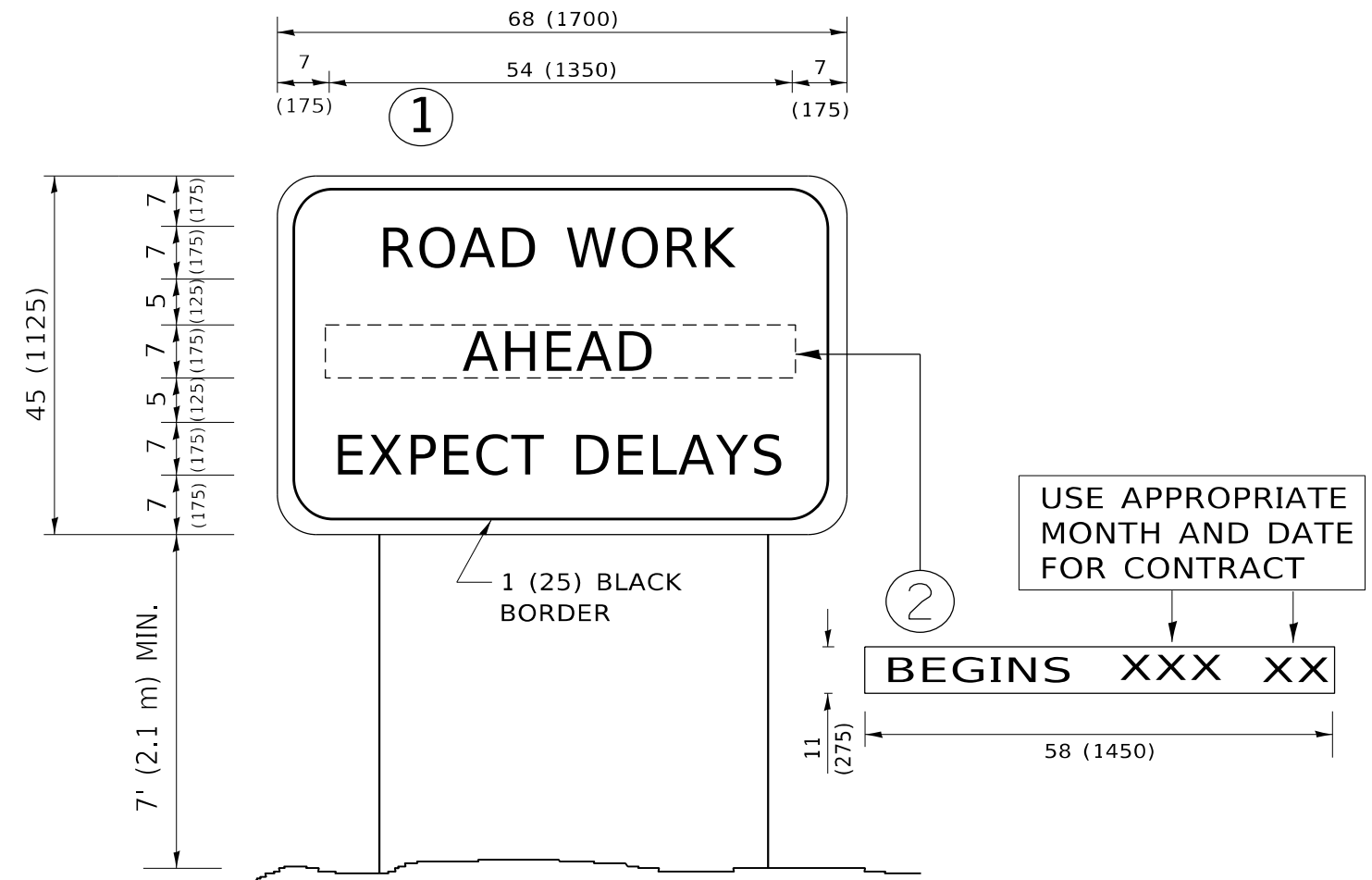
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	DRAWN -	REVISED - E. GOMEZ 08-28-00
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PLOT DATE = 11/21/2022	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	41
TC-16		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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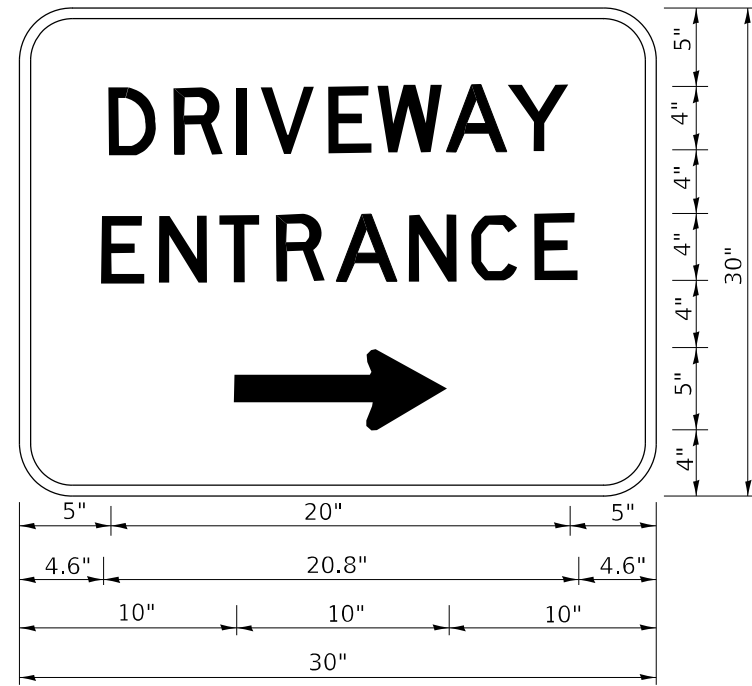
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 11/21/2022	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	42
TC-22			CONTRACT NO. 62R80	
ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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USER NAME = sher,khan	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/1/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	42A
TC-26			CONTRACT NO. 62R80	
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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PLOT DATE = 11/21/2022	DATE - 9/29/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

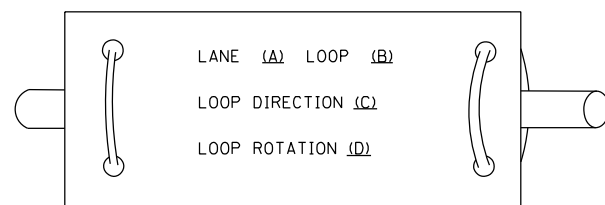
SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	43
TS-05		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				

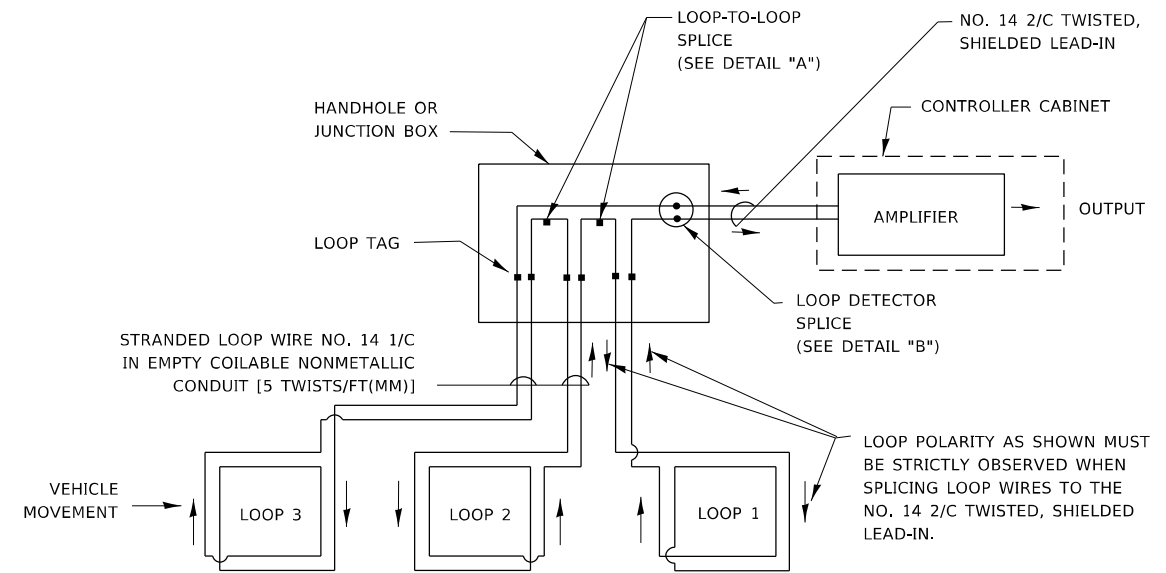
LOOP DETECTOR NOTES

1. 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.
2. 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

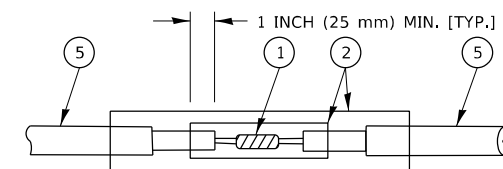


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

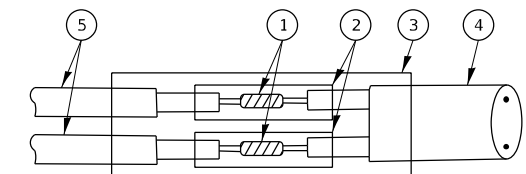


DETECTOR LOOP WIRING SCHEMATIC

- 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.

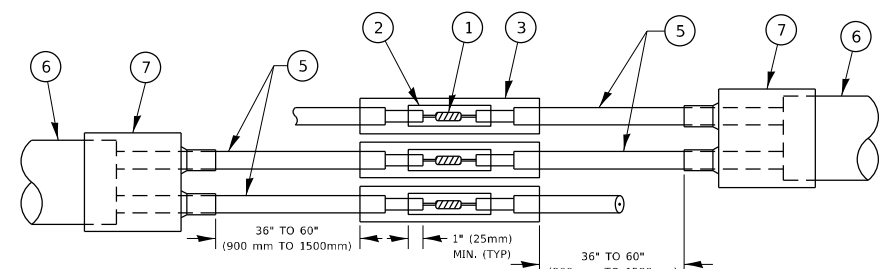


DETAIL "A"
LOOP-TO-LOOP SPLICE

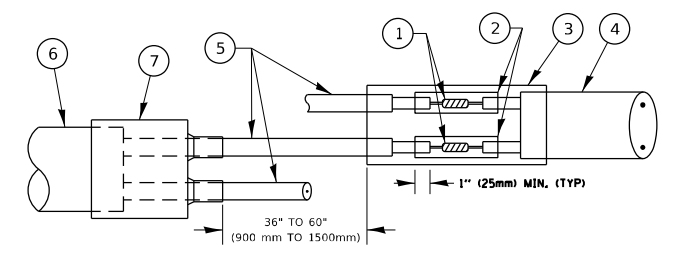


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

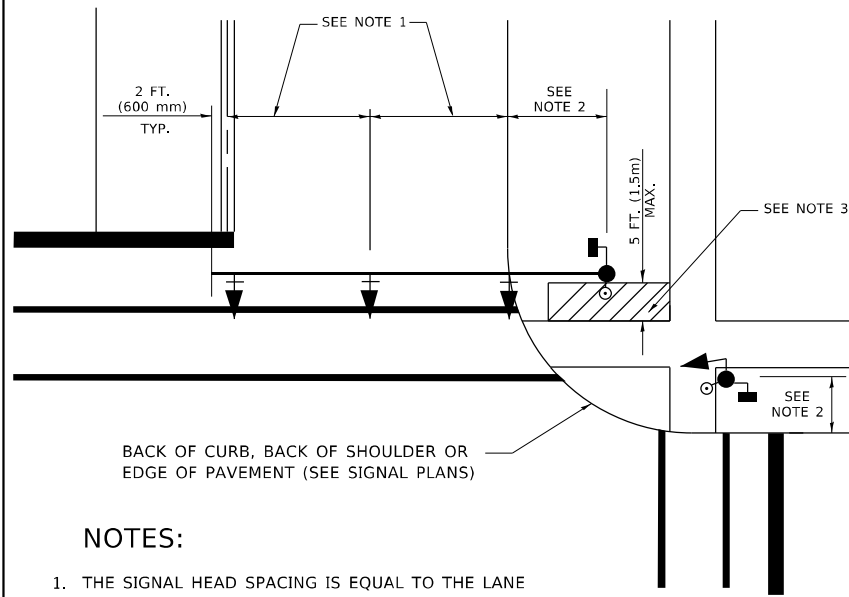
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 2759	SECTION FAU 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 44
TS-05		CONTRACT NO. 62R80		
ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

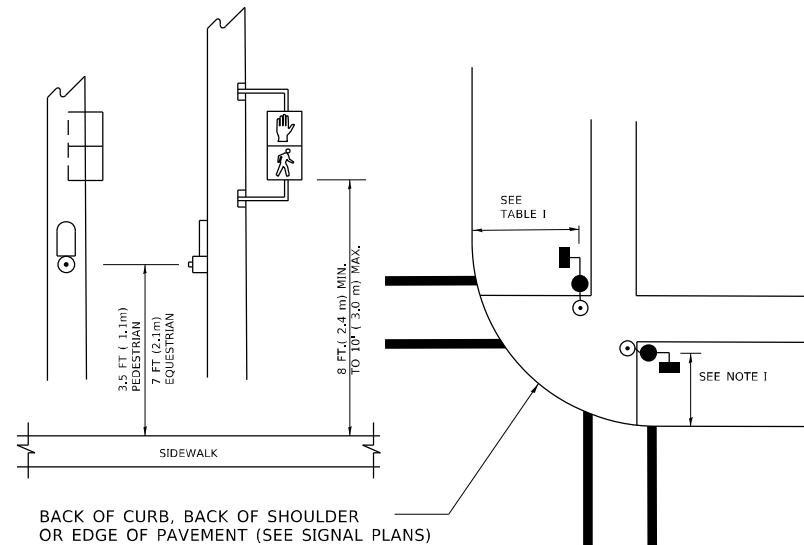
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

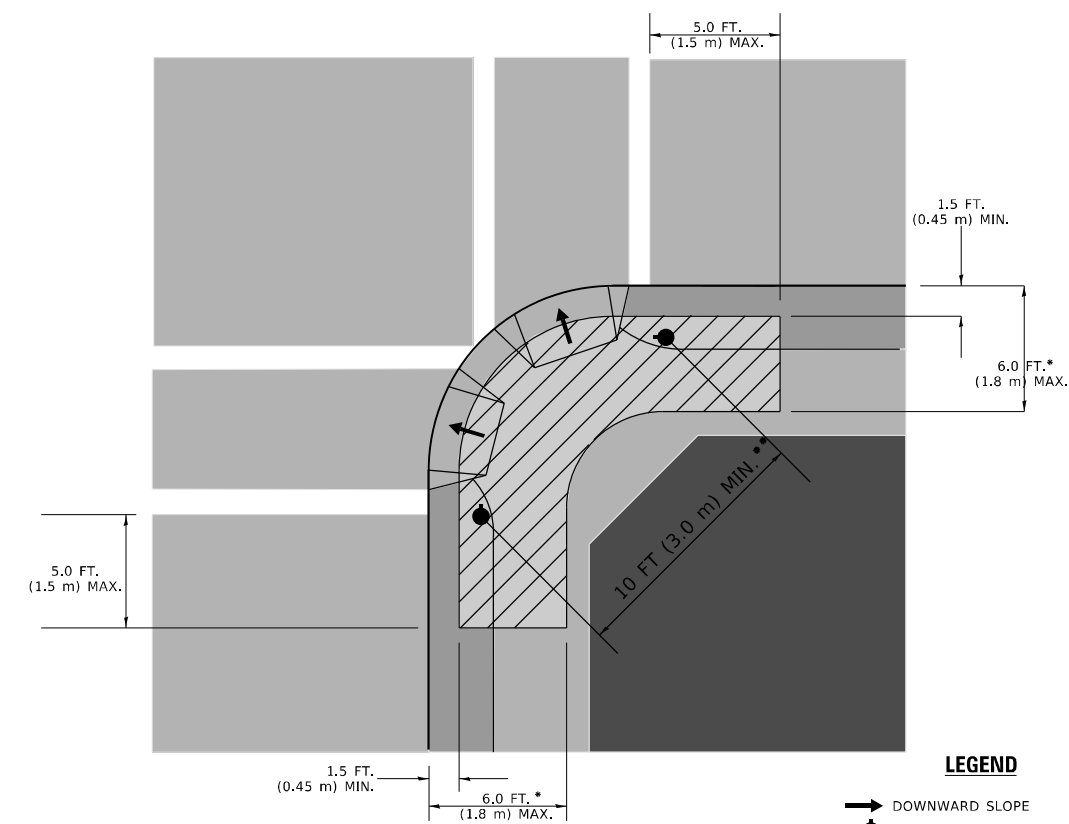
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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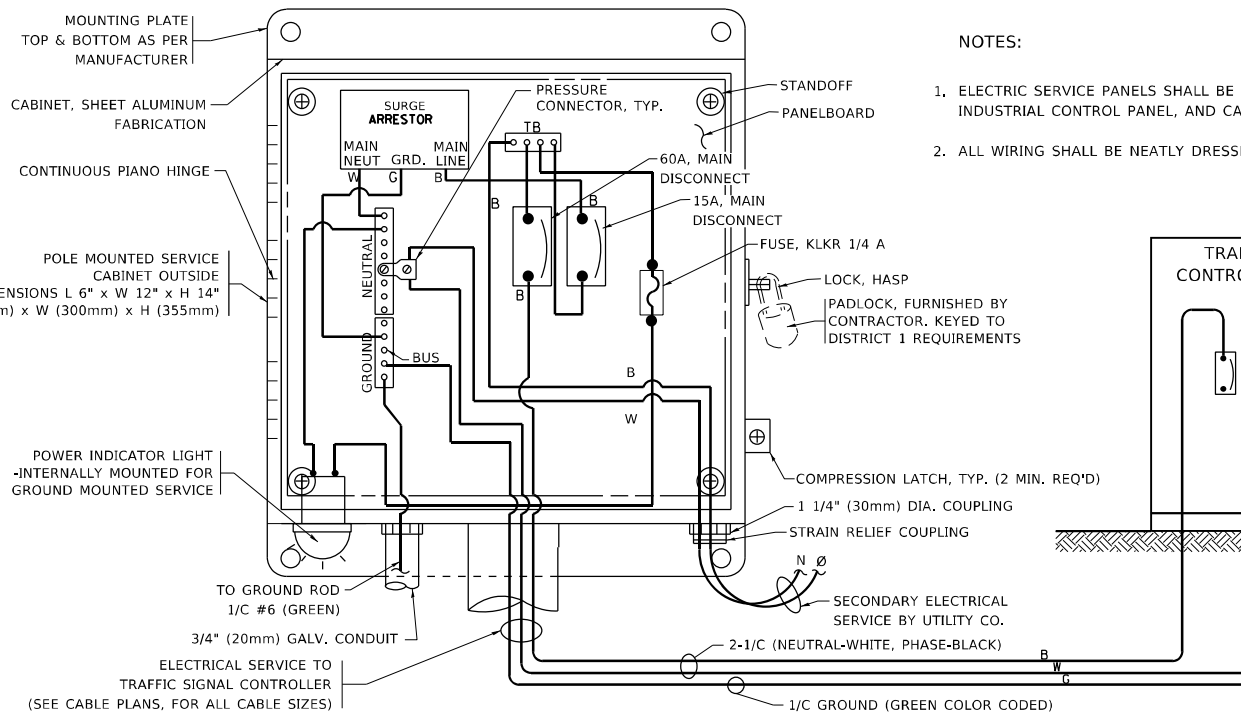
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

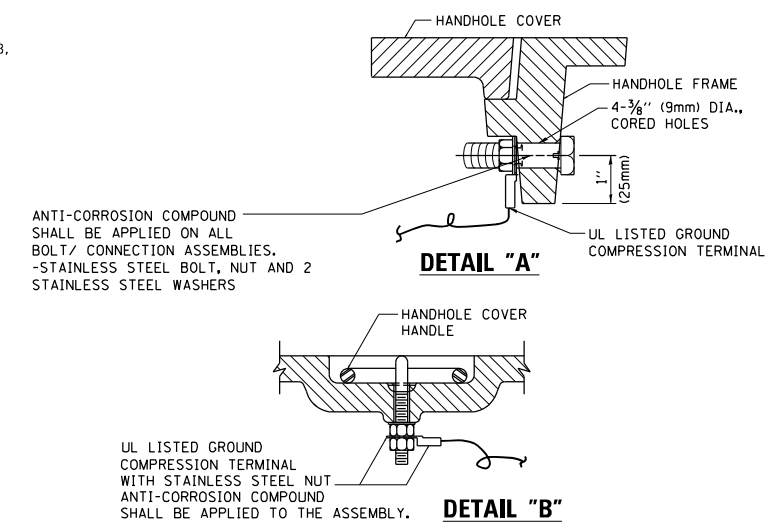
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	45
TS-05		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				

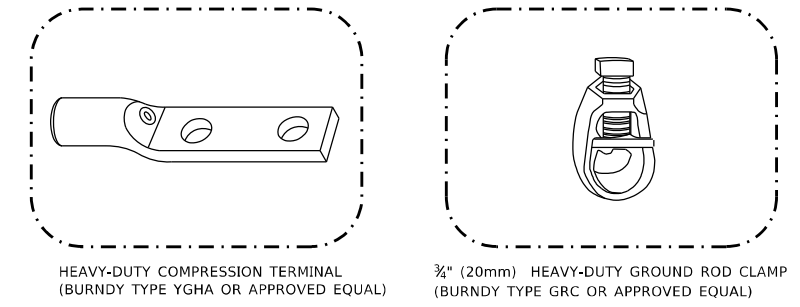


ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



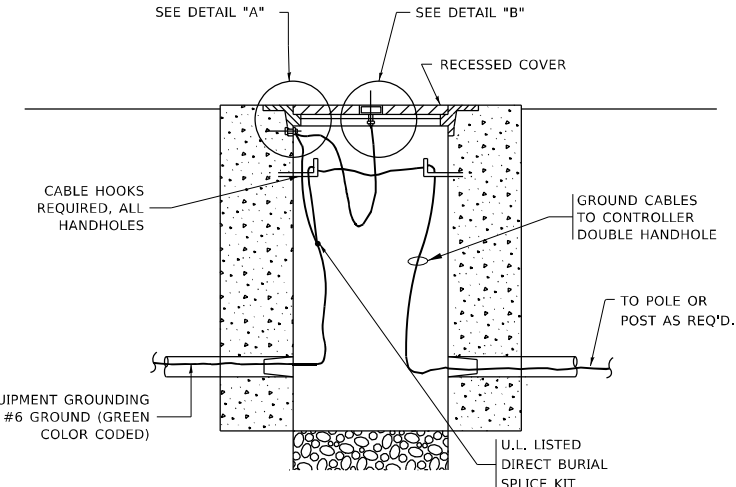
NOTES:
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

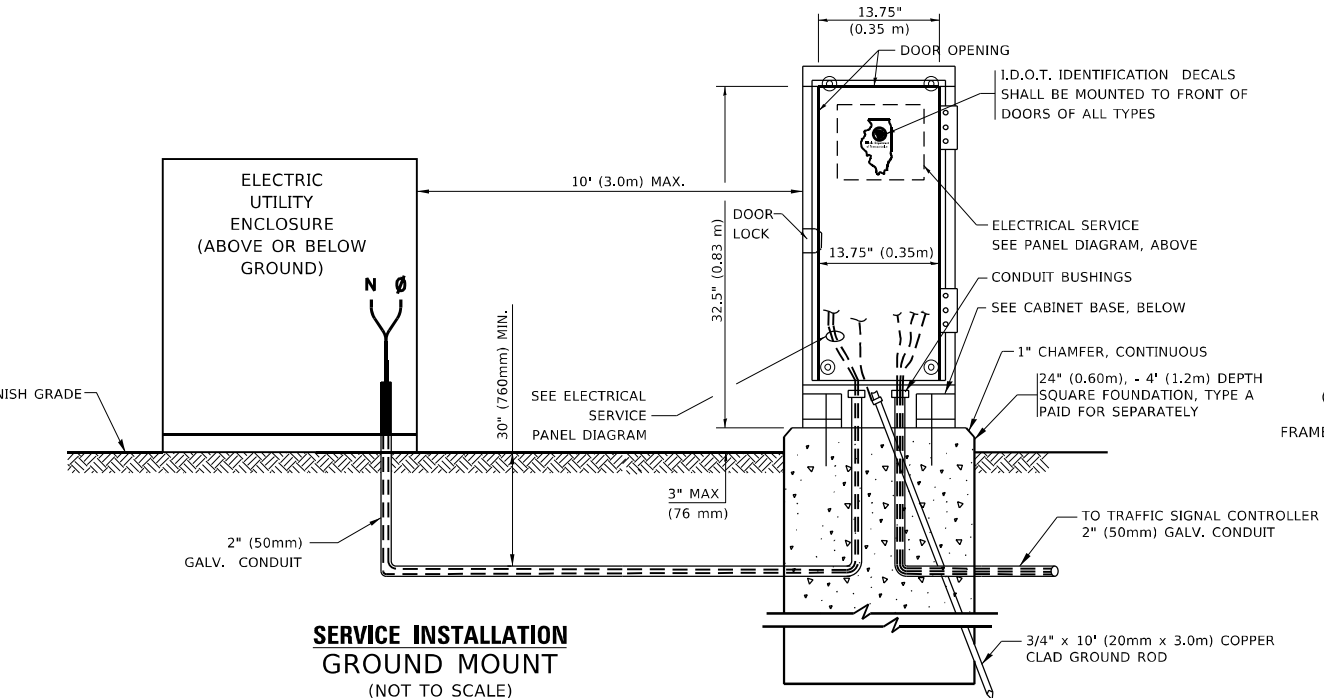
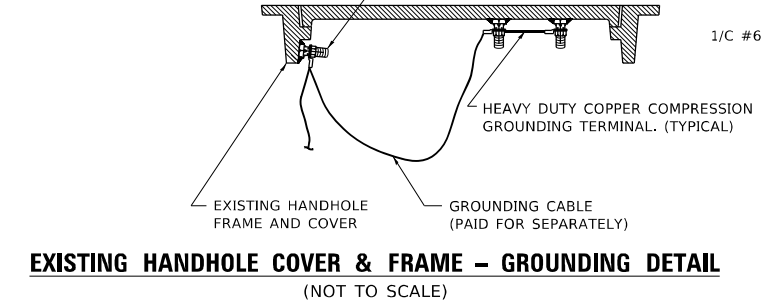


NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

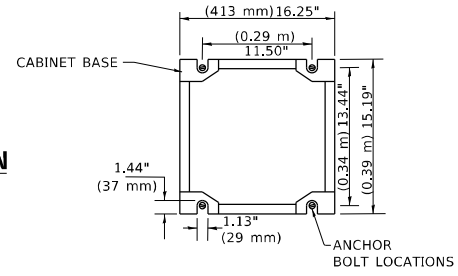


(2) 1/2" x 1 1/4" STAINLESS STEEL BOLT WITH SPLIT LOCK WASHER AND NYLON INSERT LOCKOUT WELDED TO FRAME AND TO COVER. (TYPICAL). ANTI-CORROSION COMPOUND SHALL BE APPLIED TO EACH ASSEMBLY.



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



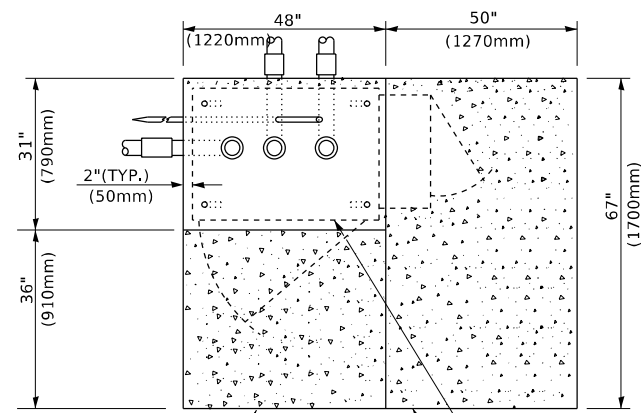
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

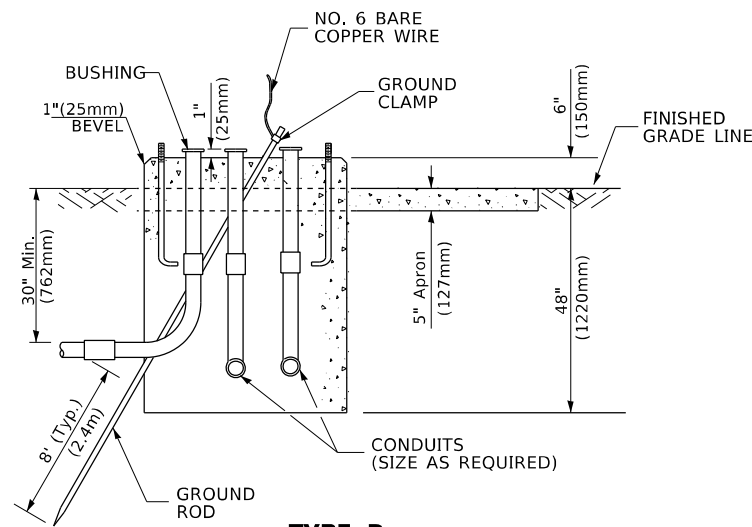
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TS-05		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				

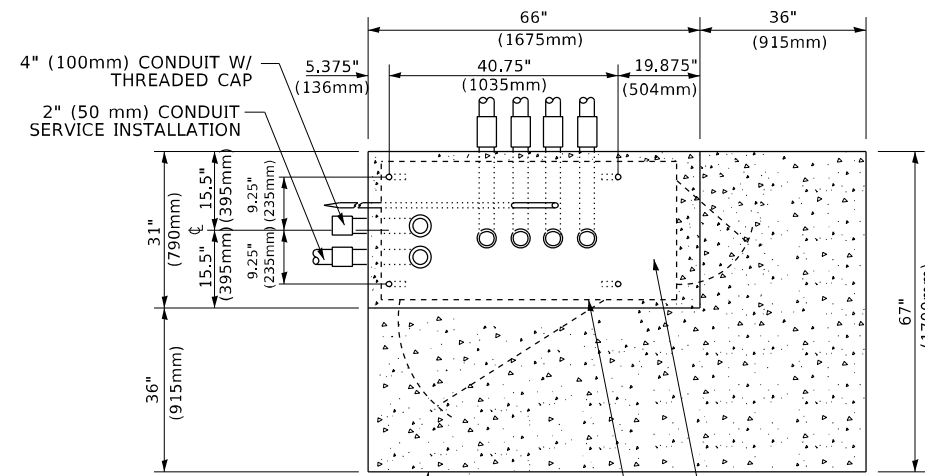
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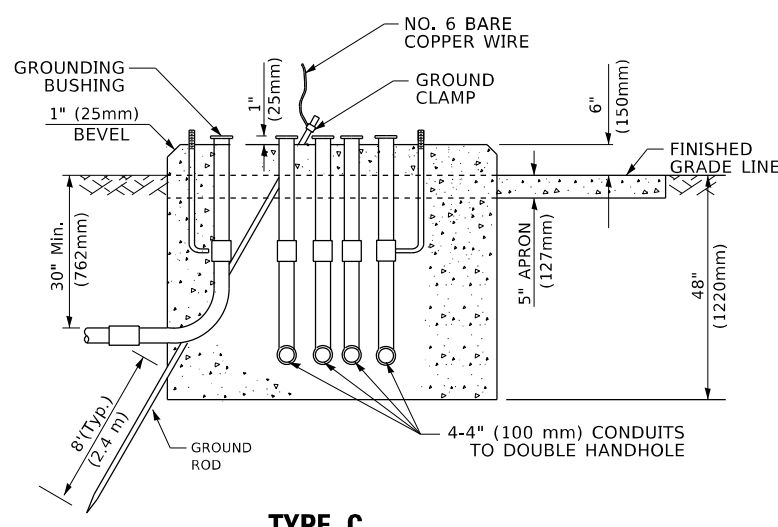
TOP VIEW



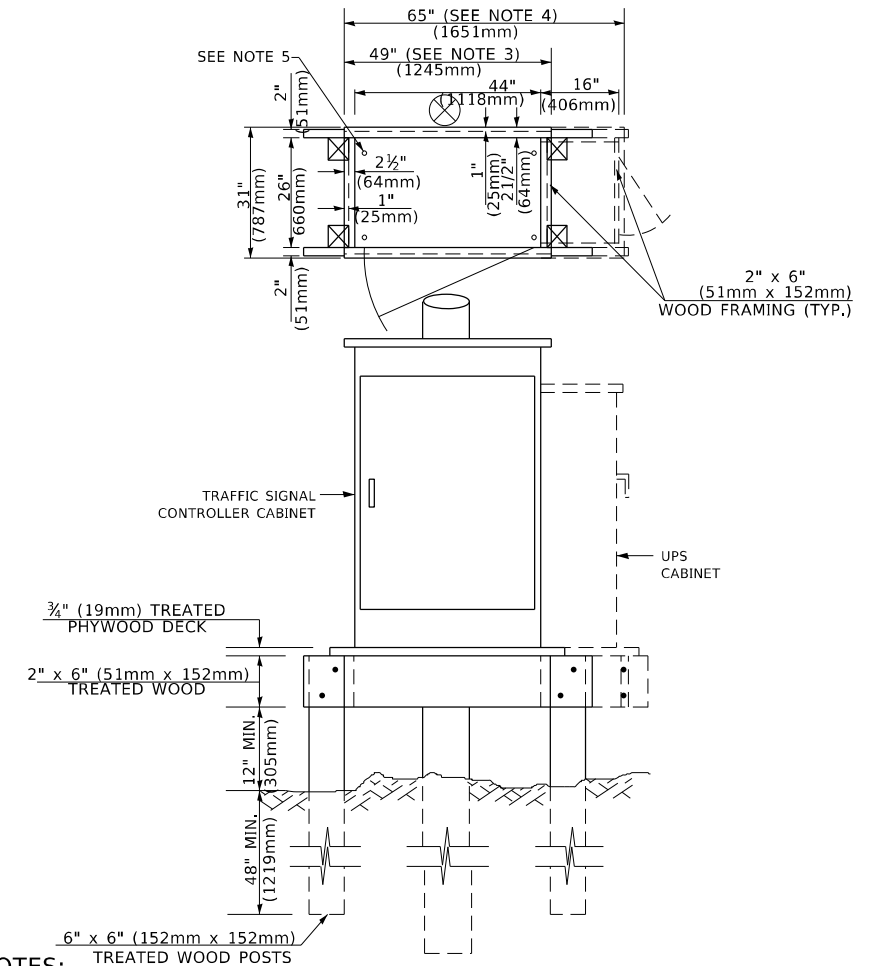
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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USER NAME = sher.khan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

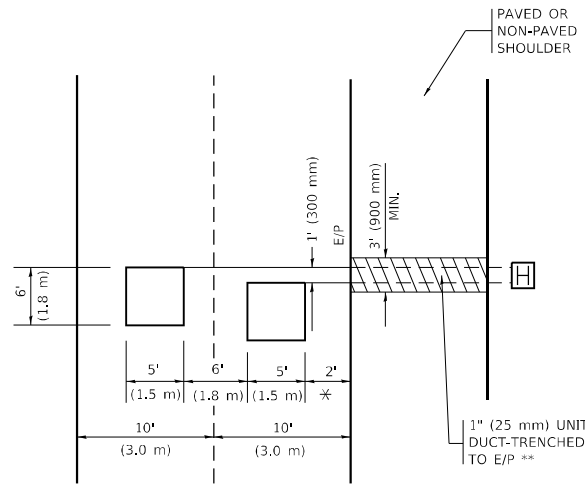
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	47
TS-05		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

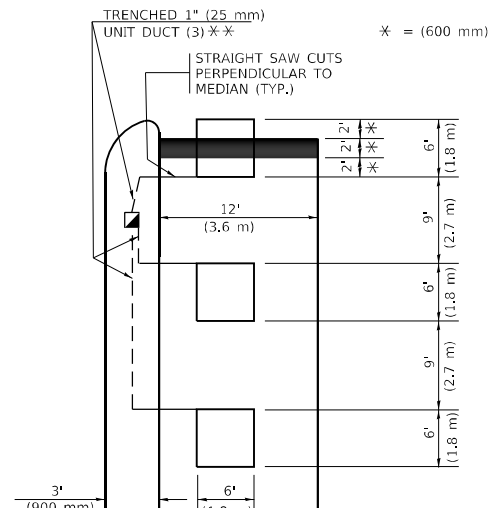


* = (600 mm)

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

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

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

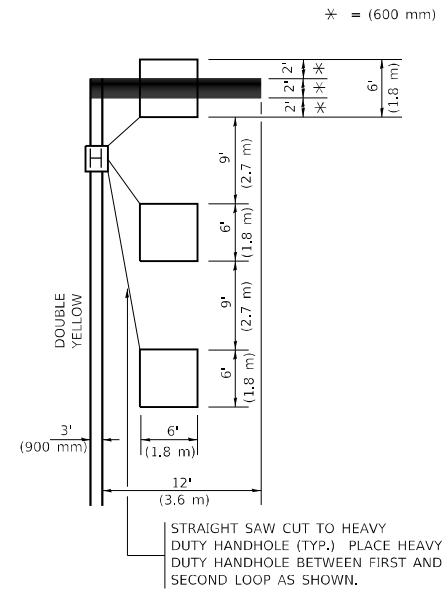


* = (600 mm)

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

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

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



* = (600 mm)

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

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

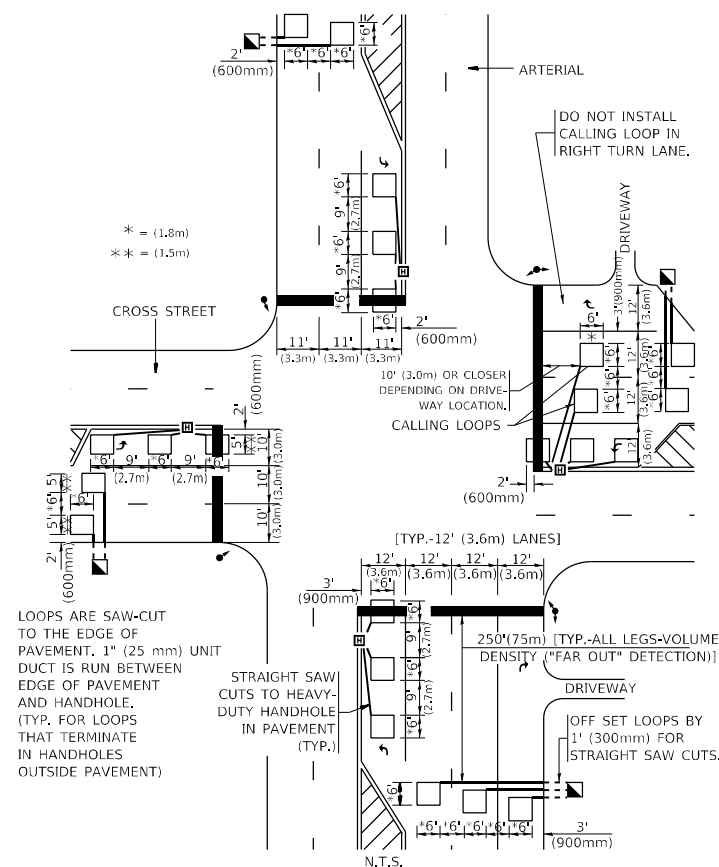
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

NOTE:

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

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

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



* = (1.8m)
** = (1.5m)

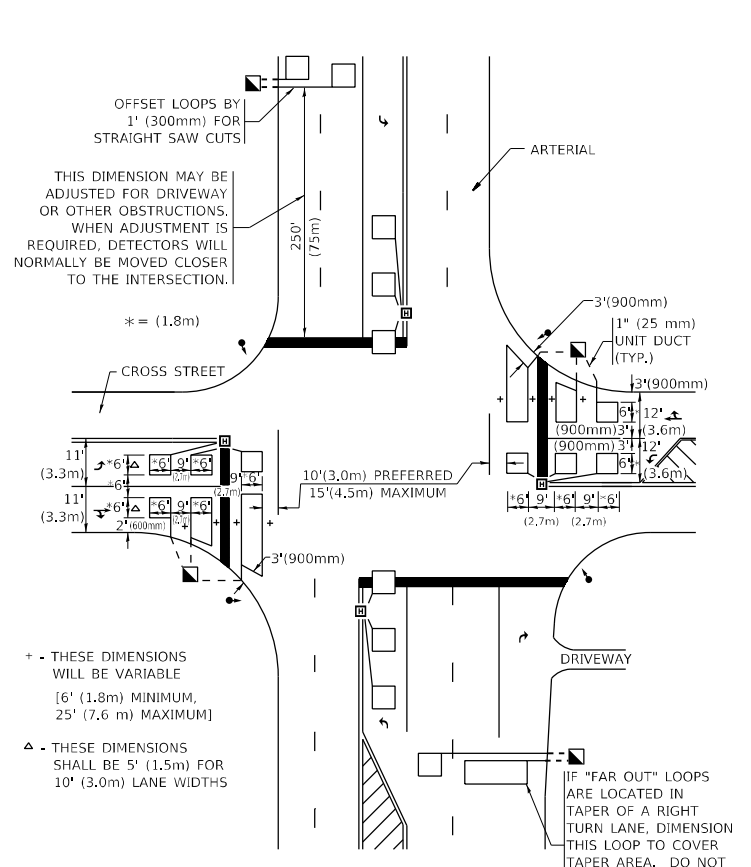
LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

[TYP.-12' (3.6m) LANES]
250' (75m) [TYP.-ALL LEGS-VOLUME DENSITY ("FAR OUT" DETECTION)]
DRIVEWAY
OFF SET LOOPS BY 1' (300mm) FOR STRAIGHT SAW CUTS.

DETAIL 1
N.T.S.

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



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
Δ THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

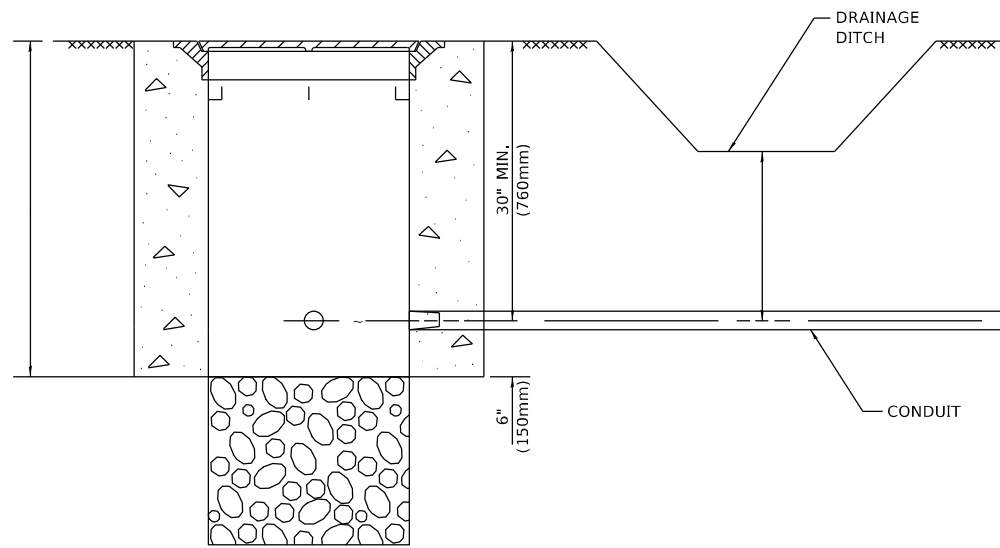
DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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PLOT DATE = 11/21/2022	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	48
TS-07		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				

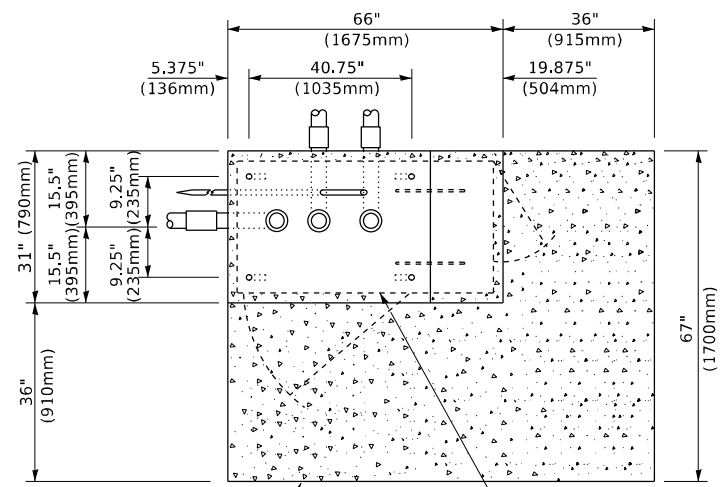
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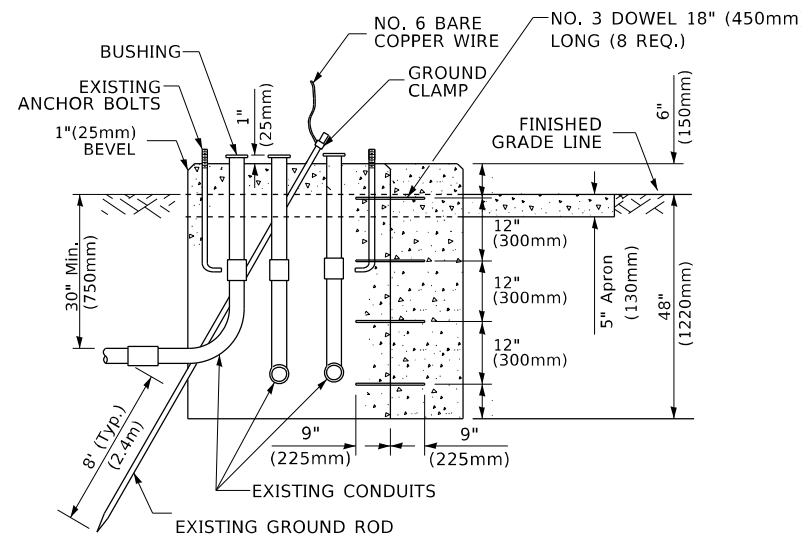
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

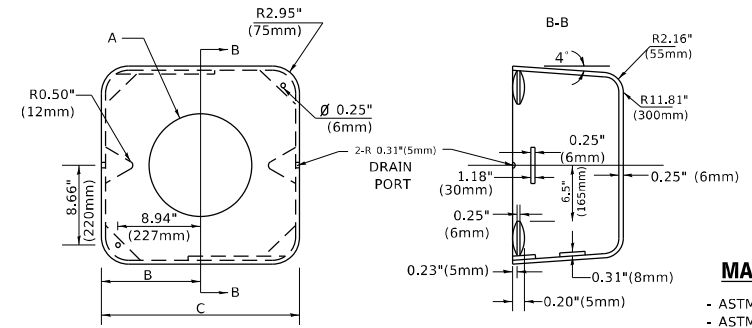
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

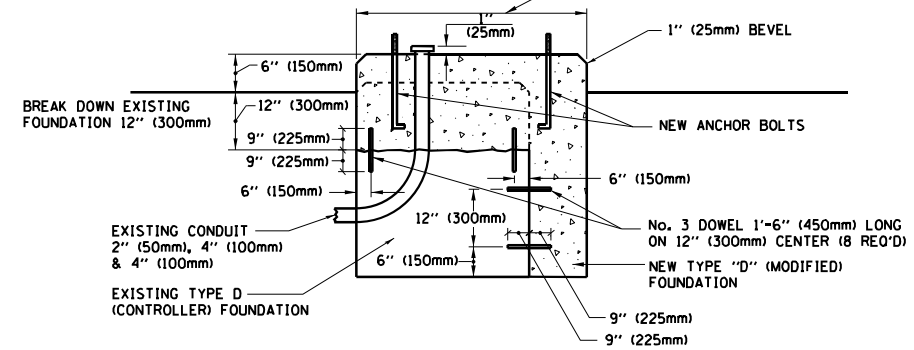
SHROUD

NOTES:

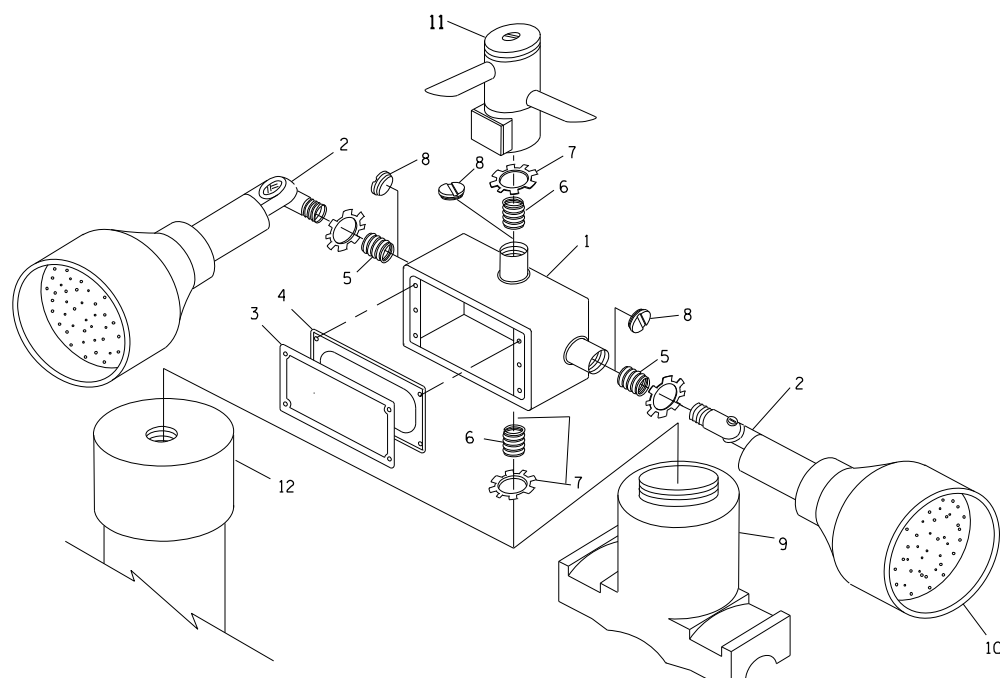
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

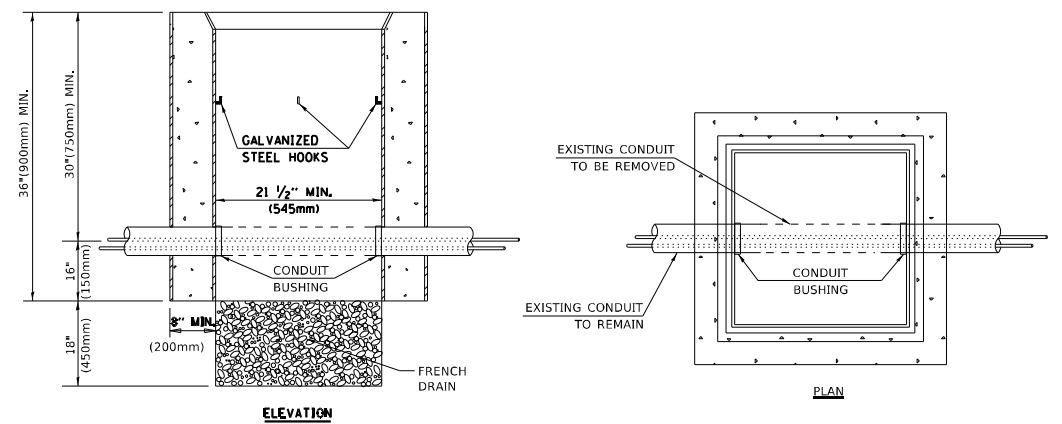


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4"(19 mm) CLOSE NIPPLE
7	3/4"(19 mm) LOCKNUT
8	3/4"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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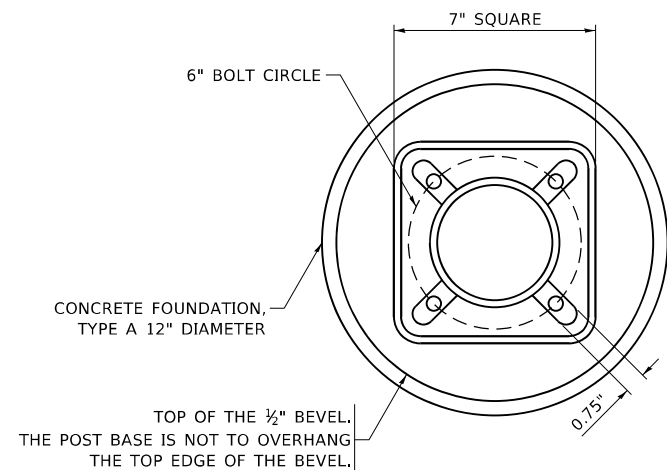
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PLOT DATE = 11/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

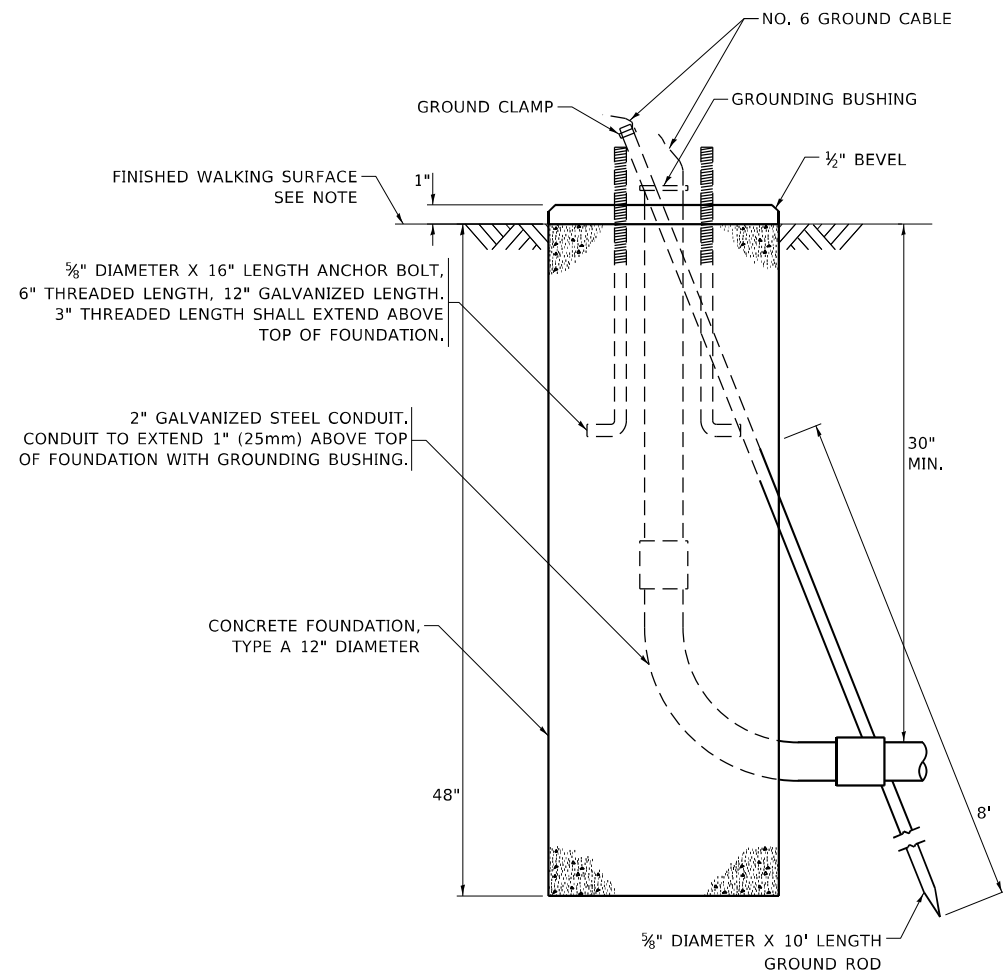
F.A.U. RTE. 2759	SECTION FAU 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 49
TS-05		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



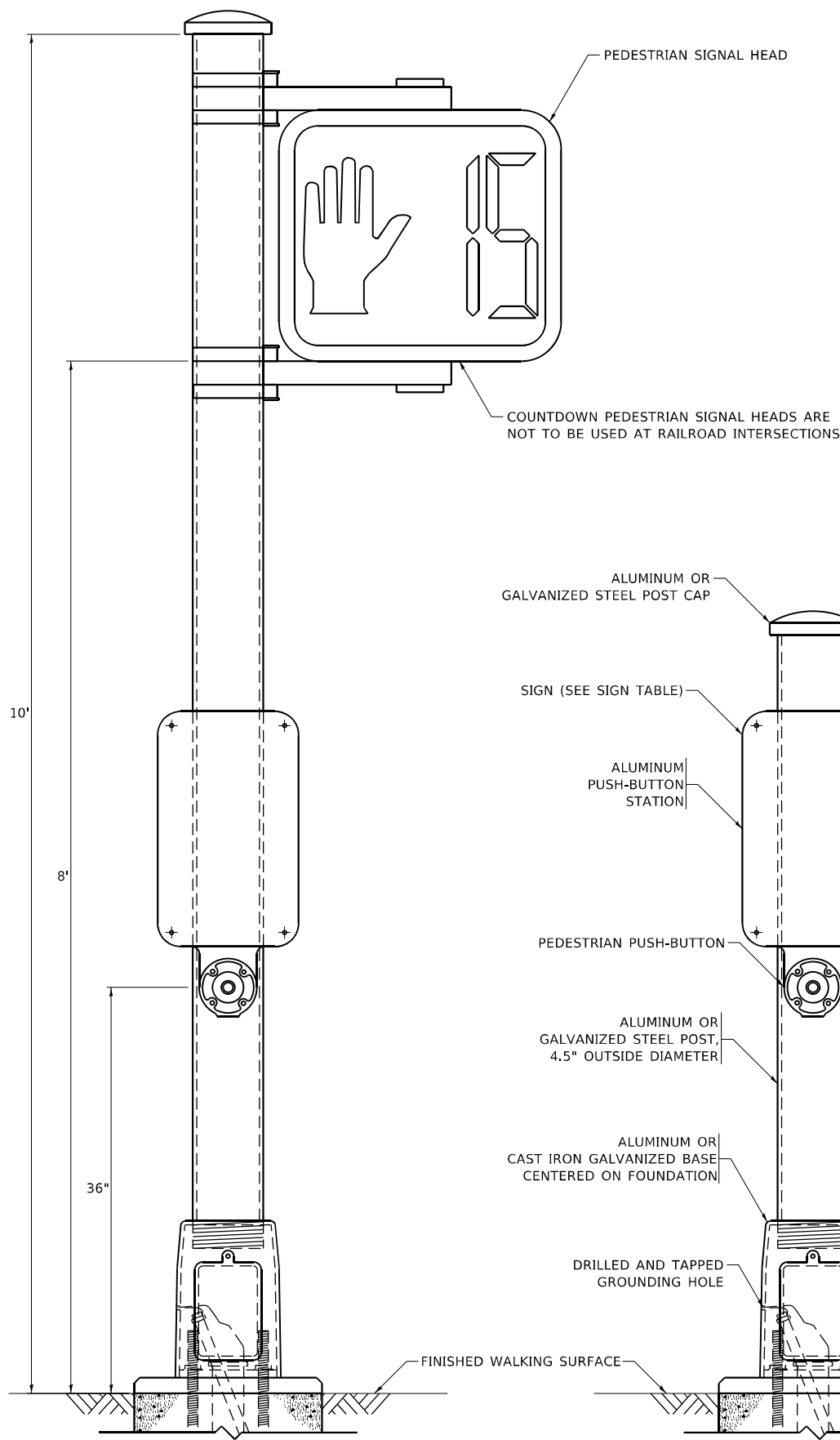
BOLT PATTERN

NOTE:

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

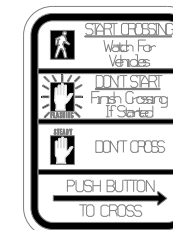


**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**

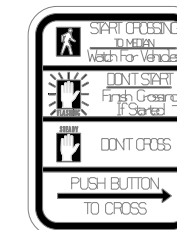


PEDESTRIAN SIGNAL POST, 10 FT.

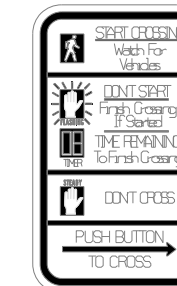
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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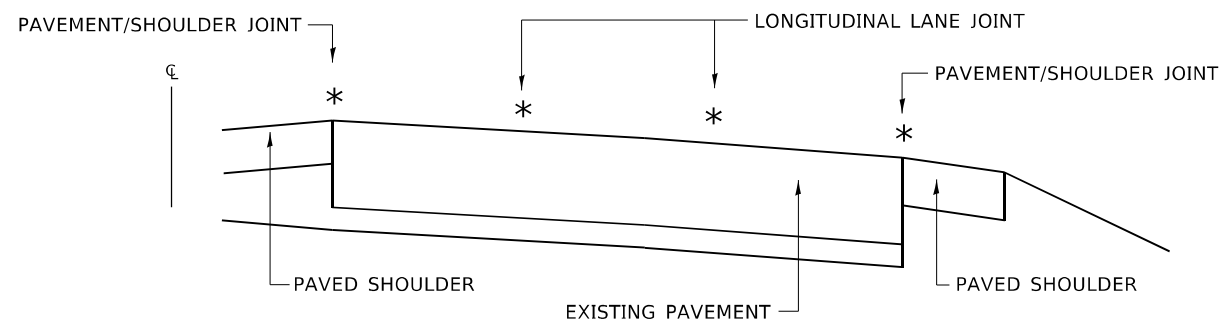
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PLOT SCALE = 100,0000' / in.	DRAWN - IP	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

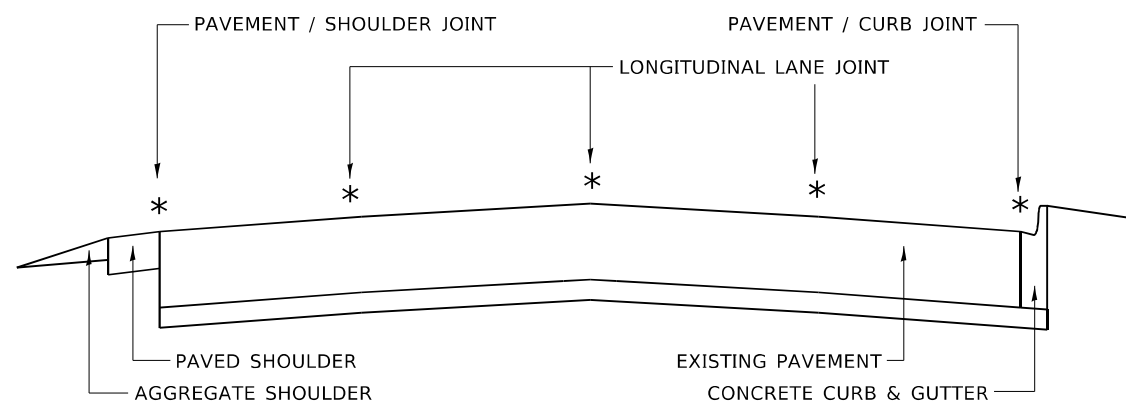
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

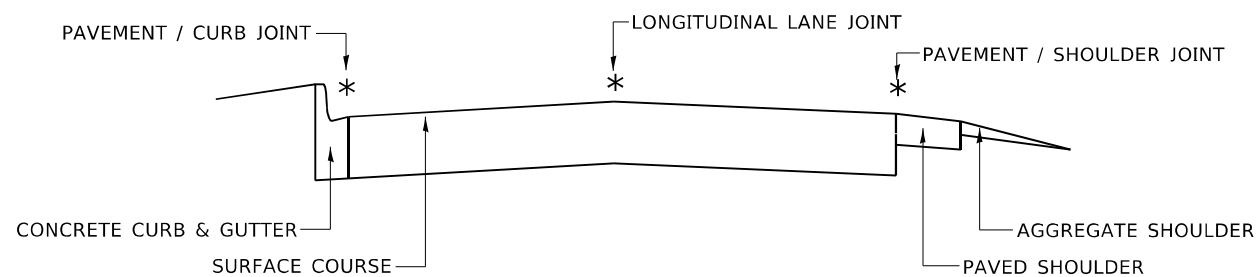
F.A.U. RTE. 2759	SECTION FAU 2759 22 RS	COUNTY COOK	TOTAL SHEETS 51	SHEET NO. 50
TS-05		CONTRACT NO. 62R80		
ILLINOIS FED. AID PROJECT				



MULTI-LANE DIVIDED PAVEMENT



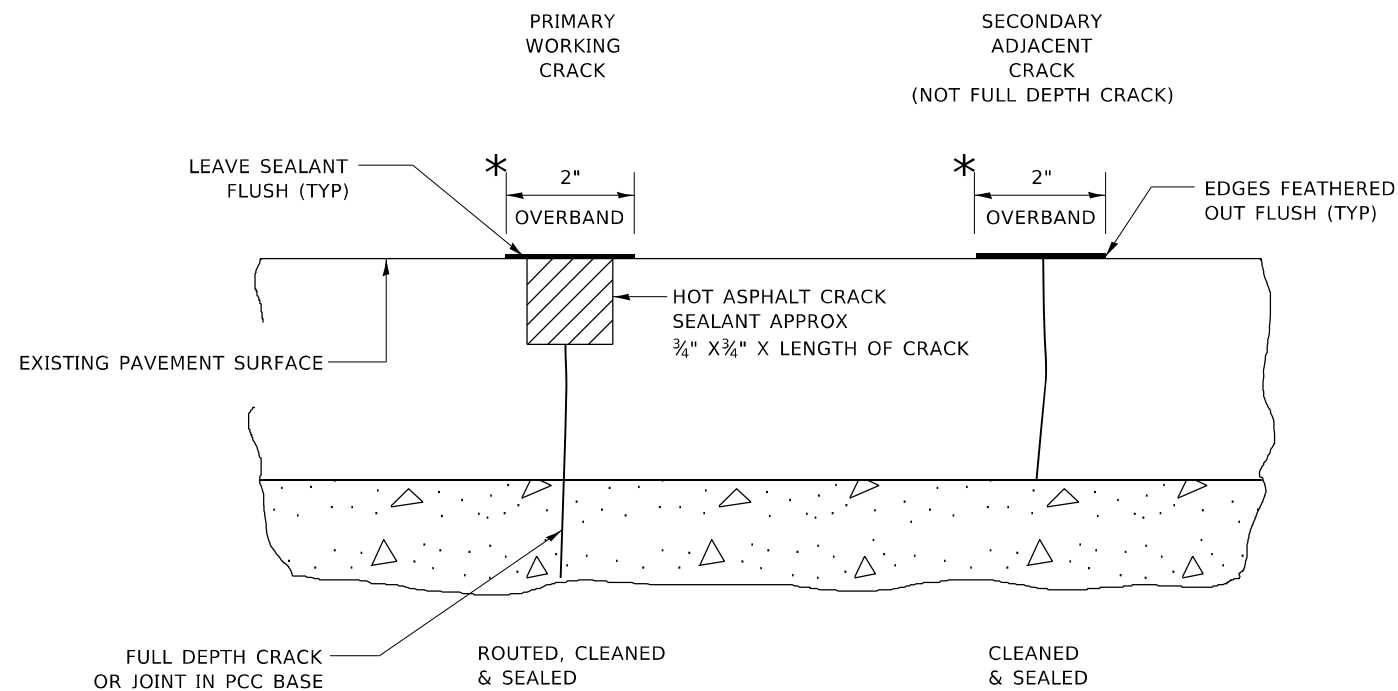
MULTI-LANE UNDIVIDED PAVEMENT



TWO-LANE PAVEMENT

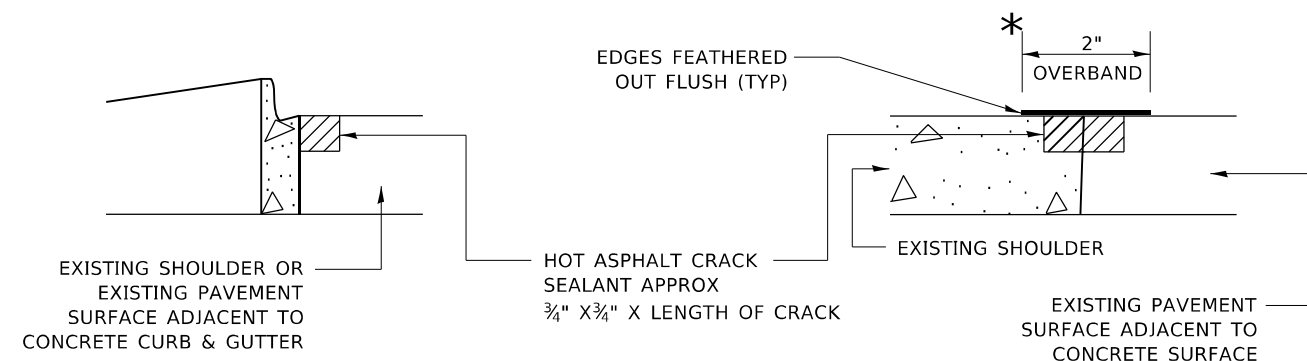
* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

**GENERAL EXISTING TYPICAL SECTIONS
(APPLIES TO HMA AND PCC PAVEMENTS)**



* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

LONGITUDINAL JOINT



CRACK & JOINT SEALING DETAIL

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USER NAME = sher.khan	DESIGNED - F. Aqueel / A. Midy	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/21/2022	DATE - 10/08/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CRACK & JOINT SEALING DETAIL (PD-11)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2759	FAU 2759 22 RS	COOK	51	51
CONTRACT NO. 62R80				
ILLINOIS FED. AID PROJECT				