

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
 FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS

09-23-2022 LETTING ITEM 017

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	1
ILLINOIS			CONTRACT NO. 62P22	

**HIGHWAY CLASSIFICATION**

IL 59 - OTHER PRINCIPAL ARTERIAL  
 JOLIET ST - MAJOR COLLECTOR  
 EDGEWOOD WALK - LOCAL ROAD  
 JAMES AVE - LOCAL ROAD

**TRAFFIC DATA**

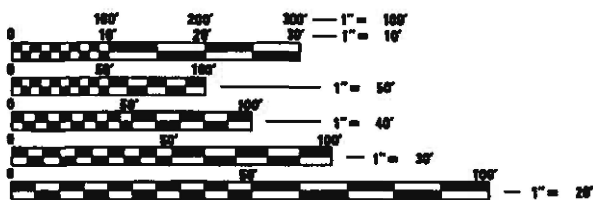
**IL 59 AT JOLIET ST/EDGEWOOD WALK**  
 IL 59  
 2019 ADT = 39,000 (S) - 27,300 (N)  
 POSTED & DESIGN SPEED = 50 MPH

**JOLIET ST**  
 2020 ADT = 8,500  
 POSTED & DESIGN SPEED = 40 MPH

**EDGEWOOD WALK**  
 2015 ADT = 70  
 POSTED & DESIGN SPEED = 25 MPH

**IL 59 AT JAMES AVE**  
 IL 59  
 2019 ADT = 29,900  
 POSTED SPEED LIMIT = 45 MPH  
 DESIGN SPEED LIMIT = 50 MPH

**JAMES AVE**  
 2015 ADT = 400  
 POSTED SPEED LIMIT = 25 MPH  
 DESIGN SPEED LIMIT = 30 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 ENGINEER: -  
 PROJECT MANAGER: JEAN A. MIDY, P.E. (847) 221-3056

CONTRACT NO. 62P22

DEPARTMENT OF TRANSPORTATION

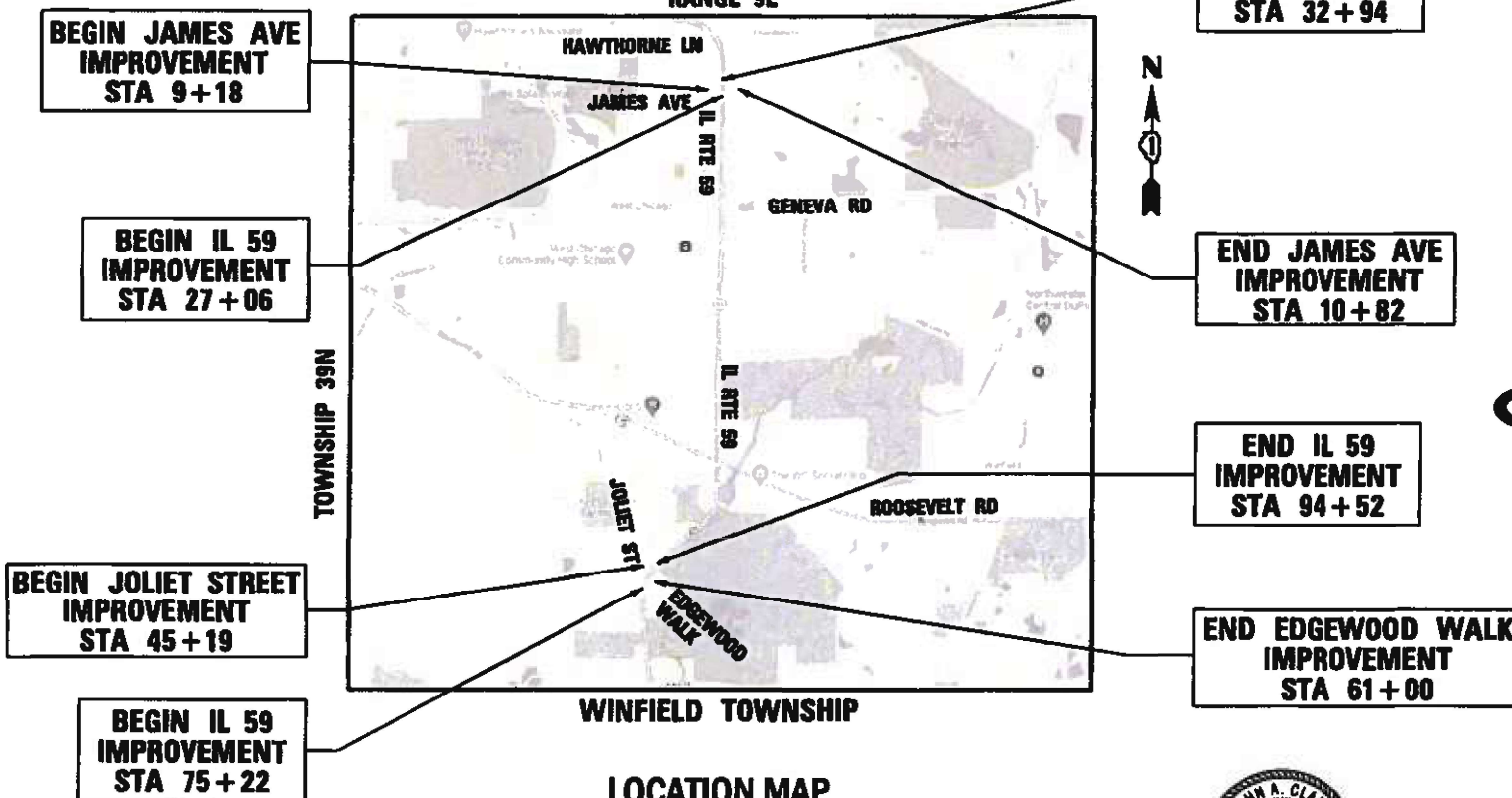
**PROPOSED  
 HIGHWAY PLANS**

F.A.P. ROUTE 338: ILLINOIS ROUTE 59  
 AT JAMES AVE & AT JOLIET ST  
 SECTION: 2021-087-TS&N  
 PROJECT: HSIP-SRHP(922)

**TRAFFIC SIGNAL MODERNIZATION INTERSECTION IMPROVEMENT  
 DUPAGE COUNTY**

C-91-203-21

RANGE 9E



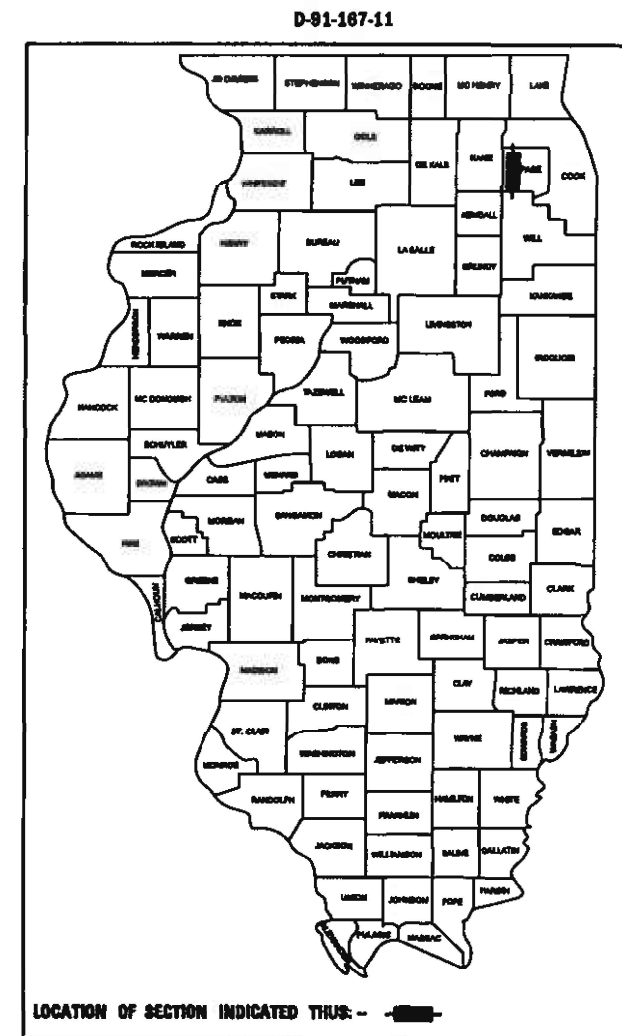
**LOCATION MAP**

N.T.S.

GROSS LENGTH IL 59 = 22,080 FT = 4.18 MILE  
 NET LENGTH IL 59 = 13,710 FT = 2.60 MILE



JOHN A. CLARK, P.E., ENV SP  
 NO. 062-055684  
 EXP. DATE: 11/30/2023  
 SHEETS 1 THROUGH 82  
 DATED: 6/10/2022



PREPARED BY:  
 PERALTE-CLARK, LLC  
 44 S VAIL AVE, SUITE 201  
 ARLINGTON HEIGHTS, IL 60005  
 PHONE: (847) 485-8069

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED: June 23, 2022  
Jose R. ...  
 REGIONAL ENGINEER  
 August 19, 2022  
...  
 ENGINEER OF DESIGN AND ENVIRONMENT  
 August 19, 2022  
Stephen M. ...  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS**

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# COMMITMENTS

NONE

# HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15FT AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15 FT TO 24 IN FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS 45 MPH OR MORE
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEED >= 45 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 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
- 781001-04 TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS
- 886001-01 DETECTOR LOOP INSTALLATIONS

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

## INDEX OF SHEETS, HIGHWAY STANDARDS, AND COMMITMENTS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N		82	2
			CONTRACT NO. 62P22	
		ILLINOIS	FED. AID PROJECT	



# GENERAL NOTES

1. 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.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND ALL MUNICIPALITIES WITHIN THE PROJECT LIMITS (WEST CHICAGO/WARRENVILLE, WINFIELD TOWNSHIP & DUPAGE COUNTY).
3. ALL SIDEWALK RAMPS SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
  - A) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. SAW CUTTING OF PAVEMENTS, SIDEWALK, CURB & GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
7. 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.
8. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
9. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
10. BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
11. MATCH EXISTING PAVEMENT AT THE PROJECT LIMITS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT, THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION ADJUSTMENT, OR PROTECTION IS NECESSARY.
13. 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.
14. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
15. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS.
18. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
19. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
20. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
21. SIDEWALK REMOVAL AND PCC SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
22. ALL RAISED REFLECTIVE MARKERS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT ONE DETAIL TC-11.
23. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT ONE DETAIL TC-13.
24. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
25. 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.
26. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
27. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
28. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
29. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
30. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
31. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
32. 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.
33. 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
34. FOR FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING, REUSE EXISTING FRAME AND LID UNLESS OTHERWISE SPECIFIED IN THE PLANS.
35. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION OF ALL EMERGENCY SERVICES, SCHOOL DISTRICTS, I.D.O.T.'S COMMUNICATIONS CENTER, SPRINGFIELD TRUCK PERMIT SECTION AND OTHER AGENCIES AFFECTED BY THE CLOSURE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR POSTING SIGNS THAT WILL INDICATE THE DATES THE CLOSURE WILL BE IN PLACE.
37. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
38. THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.
39. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h), WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
40. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
41. PROVIDE NOTICE TO THE WINFIELD TOWNSHIP ROAD DISTRICT HIGHWAY COMMISSIONER A MINIMUM OF SEVENTY-TWO HOURS PRIOR TO THE START OF CONSTRUCTION:
 

MR. JOHN DUSZA, HIGHWAY COMMISSIONER  
OFFICE NO.: 630-231-8850  
EMAIL: ROAD@WINFIELDTOWNSHIP.COM
42. CONTRACTOR MUST OBTAIN A ROAD USE PERMIT FROM THE ROAD DISTRICT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION FOR WORK/ENCROACHMENT ON TOWNSHIP RIGHT-OF-WAY. ROAD USE PERMIT APPLICATION MUST INCLUDE A \$50.00 PROCESSING FEE AND A \$5,000.00 FULLY REFUNDABLE CASH BOND.
43. THE LOCATIONS OF BURIED AND ABOVE-GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR OR SUBCONTRACTORS TO BE ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED OR ABOVE-GROUND UTILITY LOCATION IDENTIFICATION AND MARKINGS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH THE BURIED AND ABOVE-GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - A) UTILITY CONTACT INFORMATION PROVIDED BY JULIE:
 

ATT/DISTRIBUTION	
COMED	630-576-7094
COMCAST	224-229-5862
EVERSTREAM GLC HOLDING CO	216-402-1829
WINDSTREAM KDL/MCLEOD USA	800-289-1901
LEVEL3 (CENTURYLINK)	877-366-8344x2
MCI/VERIZON	
ZAYO FIBER SOLUTIONS	630-203-8003
NICOR GAS	630-388-2362
WEST CHICAGO, CITY OF	630-293-2255
WARRENVILLE, CITY OF	630-393-9050x1
WINFIELD TWSP ROAD DIST	630-231-8850
44. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
45. THE CONTRACTOR SHALL CONTACT MR. MEHUL PATEL, CITY OF WEST CHICAGO DIRECTOR OF PUBLIC WORKS, AT MPATEL@WESTCHICAGO.ORG, A MINIMUM OF 72 HOURS PRIOR TO START OF CONSTRUCTION.

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PLOT DATE = 6/9/2022	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	3
CONTRACT NO. 62P22				
		ILLINOIS FED. AID PROJECT		



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 2.5% TOWNSHIP 2.5% WEST CHICAGO	90% FEDERAL 5% STATE 5% TOWNSHIP	100% WEST CHICAGO FIRE PROTECTION DISTRICT
				ROADWAY	TRAFFIC SIGNAL (L 59 AT JOLIET)	TRAFFIC SIGNAL (L 59 AT JAMES)	TRAFFIC SIGNAL (EVP AT JOLIET & JAMES)
				0006 URBAN	0021 URBAN	0021 URBAN	0021 URBAN
48203039	HOT-MIX ASPHALT SHOULDERS, 10 1/2"	SQ YD	9	9			
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	1	1			
60500060	REMOVING INLETS	EACH	1	1			
60600095	CLASS SIC CONCRETE (OUTLET)	CU YD	1.3	1.3			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	140	140			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD					
* 66900530	SOIL DISPOSAL ANALYSIS	CU YD					
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM					
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM					
* 66901006	REGULATED SUBSTANCES MONITORING	GAL DA					
67100100	MOBILIZATION	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 2.5% TOWNSHIP 2.5% WEST CHICAGO	90% FEDERAL 5% STATE 5% TOWNSHIP	100% WEST CHICAGO FIRE PROTECTION DISTRICT
				ROADWAY	TRAFFIC SIGNAL (L 59 AT JOLIET)	TRAFFIC SIGNAL (L 59 AT JAMES)	TRAFFIC SIGNAL (EVP AT JOLIET & JAMES)
				0006 URBAN	0021 URBAN	0021 URBAN	0021 URBAN
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1			
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	75	75			
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	350	350			
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	12258	12258			
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	1077	1077			
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	1296	1296			
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	218	218			
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	120	120			
70306100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE	SQ FT	350	350			
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	12258	12258			
70306130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE III TAPE	FOOT	1077	1077			
70306160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE III TAPE	FOOT	218	218			
70306210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE III TAPE	FOOT	120	120			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	15		15		
* 72000200	SIGN PANEL - TYPE 2	SQ FT	88.8	56.3	32.5		

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	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
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				ROADWAY	TRAFFIC SIGNAL (L 59 AT JOLIET)	TRAFFIC SIGNAL (L 59 AT JAMES)	TRAFFIC SIGNAL (EVP AT JOLIET & JAMES)
				0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	350	350			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12258	12258			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1077	1077			
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1296	1296			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	218	218			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	120	120			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	200	200			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	200	200			
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6297	6297			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1511		732	779	
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	273		153	120	
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	843		543	300	
* 81400100	HANDHOLE	EACH	8		4	4	
* 81400200	HEAVY-DUTY HANDHOLE	EACH	5		3	2	
* 81400300	DOUBLE HANDHOLE	EACH	4		2	2	

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 2.5% TOWNSHIP 2.5% WEST CHICAGO	90% FEDERAL 5% STATE 5% TOWNSHIP	100% WEST CHICAGO FIRE PROTECTION DISTRICT
				ROADWAY	TRAFFIC SIGNAL (L 59 AT JOLIET)	TRAFFIC SIGNAL (L 59 AT JAMES)	TRAFFIC SIGNAL (EVP AT JOLIET & JAMES)
				0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4		2	2	
* 86400100	TRANSCIVER - FIBER OPTIC	EACH	2		1	1	
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	8928		3922	5006	
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	516			516	
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1074		263	811	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4751		2603	2148	
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1565		988	577	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAR	FOOT	2162		1141	1021	
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	210		52	158	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1520		891	629	
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	7		3	4	
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1		
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2			2	
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1		1		
* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1			1	
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2		1	1	

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	DRAWN - ASH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - JAC	REVISED -
PLOT DATE = 6/28/2022	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	6
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	



MODEL - Detail  
 FILE NAME - Z:\18-0027\DOT\_194\Item 6 (B&M CSS)\Project\50\_Design\CAD\Sheets\18-0027-ah-sec-4.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 2.5% TOWNSHIP 2.5% WEST CHICAGO	90% FEDERAL 5% STATE 5% TOWNSHIP	100% WEST CHICAGO FIRE PROTECTION DISTRICT
				ROADWAY	TRAFFIC SIGNAL (L 59 AT JOLIET)	TRAFFIC SIGNAL (L 59 AT JAMES)	TRAFFIC SIGNAL (EVP AT JOLIET & JAMES)
				0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1		
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2		2		
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40		20	20	
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		4	4	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30		10	20	
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	72		50	22	
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	17		9	8	
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10		4	6	
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5		3	2	
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6		4	2	
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4			4	
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	23		13	10	
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	12		6	6	
* 88800100	DETECTOR LOOP, TYPE I	FOOT	891		361	330	
* 88700200	LIGHT DETECTOR	EACH	5				5

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				90% FEDERAL 10% STATE	90% FEDERAL 5% STATE 2.5% TOWNSHIP 2.5% WEST CHICAGO	90% FEDERAL 5% STATE 5% TOWNSHIP	100% WEST CHICAGO FIRE PROTECTION DISTRICT
				ROADWAY	TRAFFIC SIGNAL (L 59 AT JOLIET)	TRAFFIC SIGNAL (L 59 AT JAMES)	TRAFFIC SIGNAL (EVP AT JOLIET & JAMES)
				0006	0021	0021	0021
				URBAN	URBAN	URBAN	URBAN
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2				2
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		1	1	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	18702		7754	10948	
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		1	1	
* 89502380	REMOVE EXISTING HANDHOLE	EACH	11		6	5	
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2		1	1	
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	14		6	8	
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1031				1031
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	7000		2870	4130	
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	2		1	1	
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2		1	1	
* X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2		2		
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1			1	
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1			1	
* X1400388	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2			2	



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PLOT DATE = 6/28/2022	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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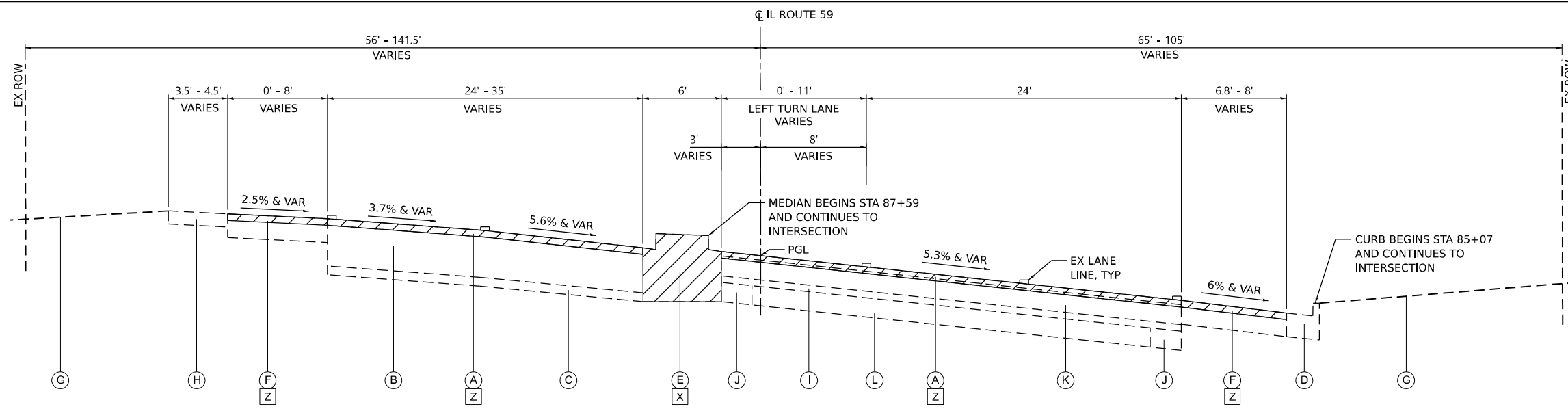
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N		82	7
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	



**LEGEND – EXISTING TYPICAL SECTIONS**

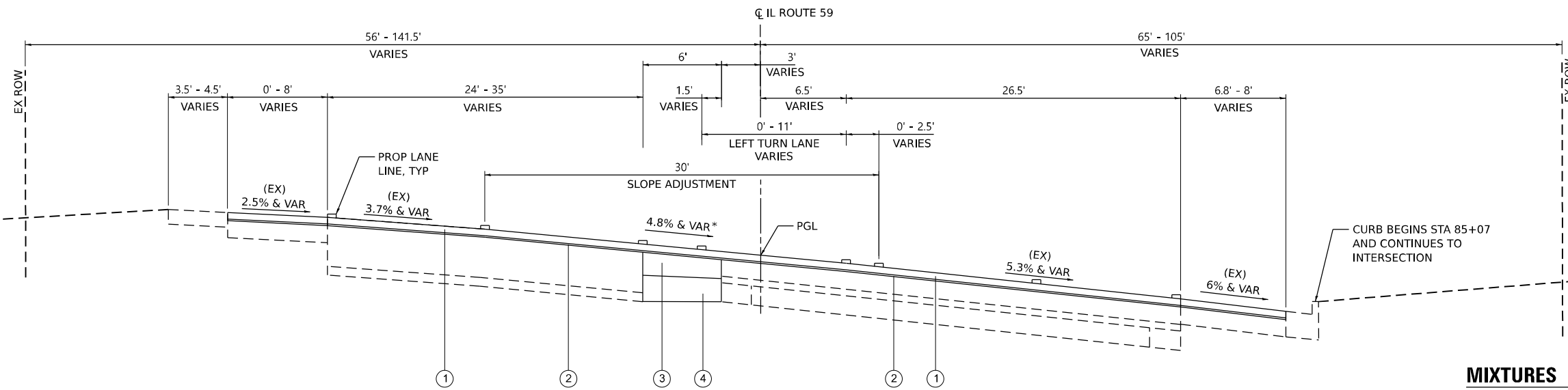
- (A) EXISTING HMA PAVEMENT, 2" & VARIES
- (B) EXISTING STABILIZED BASE COURSE, 8" & VARIES
- (C) EXISTING SUB-BASE GRANULAR MATERIAL, 4" & VARIES
- (D) EXISTING COMBINATION CURB & GUTTER, TYPE B-6.24
- (E) EXISTING CONCRETE BARRIER MEDIAN
- (F) EXISTING STABILIZED PAVED SHOULDER, 8-10½"
- (G) EXISTING GRADING
- (H) EXISTING GRAVEL SHOULDER
- (I) EXISTING HMA RESURFACING
- (J) EXISTING HMA WIDENING
- (K) EXISTING BITUMINOUS AGGREGATE MIXTURE
- (L) EXISTING PCC PAVEMENT
- (X) MEDIAN REMOVAL
- (Y) COMBINATION CURB AND GUTTER REMOVAL
- (Z) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

REMOVAL ITEMS



**EXISTING TYPICAL SECTION – IL ROUTE 59**

STA 75+22 TO STA 89+58



**PROPOSED TYPICAL SECTION – IL ROUTE 59**

STA 75+22 TO STA 89+58

**LEGEND – PROPOSED TYPICAL SECTIONS**

- (1) POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 (1 3/4")
- (2) POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (3/4")
- (3) HOT-MIX ASPHALT BASE COURSE, 10 1/2"
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"

**MIXTURES TABLE**

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
<b>PAVEMENT &amp; SHOULDER RESURFACING - IL 59</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"	3.5% @ 80 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC/QA
<b>PAVEMENT RESURFACING - JOLIET ST</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1-3/4"	4% @ 70 GYR.	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC/QA
<b>PAVEMENT WIDENING</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"	3.5% @ 80 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC/QA
HOT-MIX ASPHALT BASE COURSE, 10-1/2" (HMA BINDER IL-19.0)	4% @ 90 GYR.	QC/QA
<b>SHOULDER RECONSTRUCTION (HMA SHOULDERS 10.5")</b>		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80, 1-3/4"	3.5% @ 80 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 8-3/4"	4% @ 90 GYR.	QC/QA
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.	QC/QA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QA/QC); QUALITY CONTROL FOR PERFORMANCE (QCP)

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER P HMA BC IL-4.75 N50.

\*SLOPE ADJUSTMENT REQUIRED ONLY AT MEDIAN REMOVAL SECTION BETWEEN STA 87+59 TO STA 89+55

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

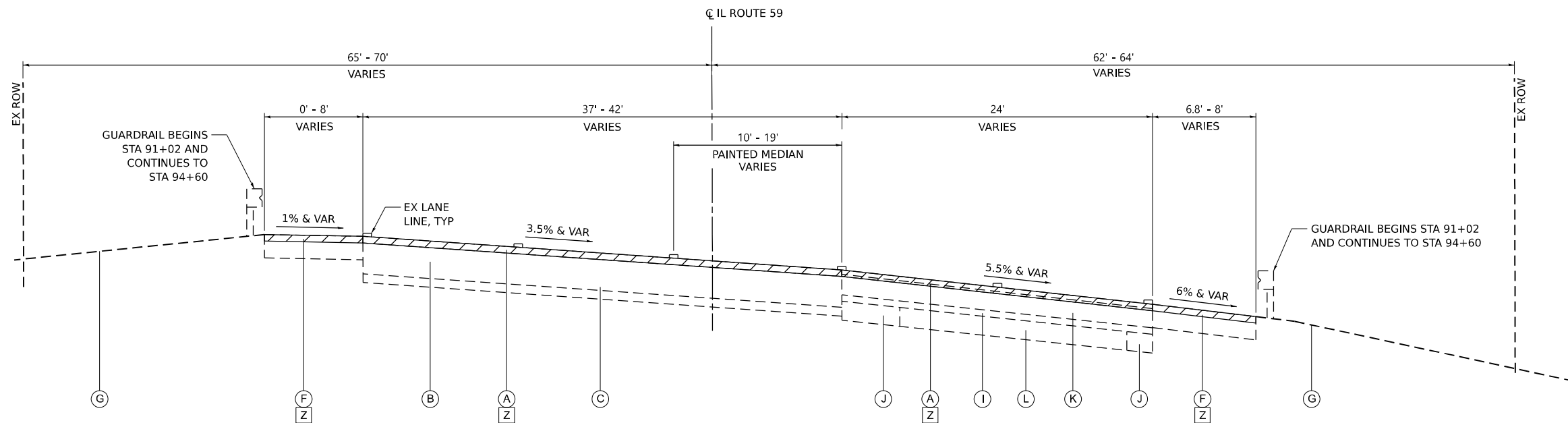
<b>TYPICAL SECTIONS IL ROUTE 59 – SOUTH LEG</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	9
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

**LEGEND – EXISTING TYPICAL SECTIONS**

- (A) EXISTING HMA PAVEMENT, 2" & VARIES
- (B) EXISTING STABILIZED BASE COURSE, 8" & VARIES
- (C) EXISTING SUB-BASE GRANULAR MATERIAL, 4" & VARIES
- (D) EXISTING COMBINATION CURB & GUTTER, TYPE B-6.24
- (E) EXISTING CONCRETE BARRIER MEDIAN
- (F) EXISTING STABILIZED PAVED SHOULDER, 8-10 1/2"
- (G) EXISTING GRADING
- (H) EXISTING GRAVEL SHOULDER
- (I) EXISTING HMA RESURFACING
- (J) EXISTING HMA WIDENING
- (K) EXISTING BITUMINOUS AGGREGATE MIXTURE
- (L) EXISTING PCC PAVEMENT
- (X) MEDIAN REMOVAL
- (Y) COMBINATION CURB AND GUTTER REMOVAL
- (Z) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

REMOVAL ITEMS



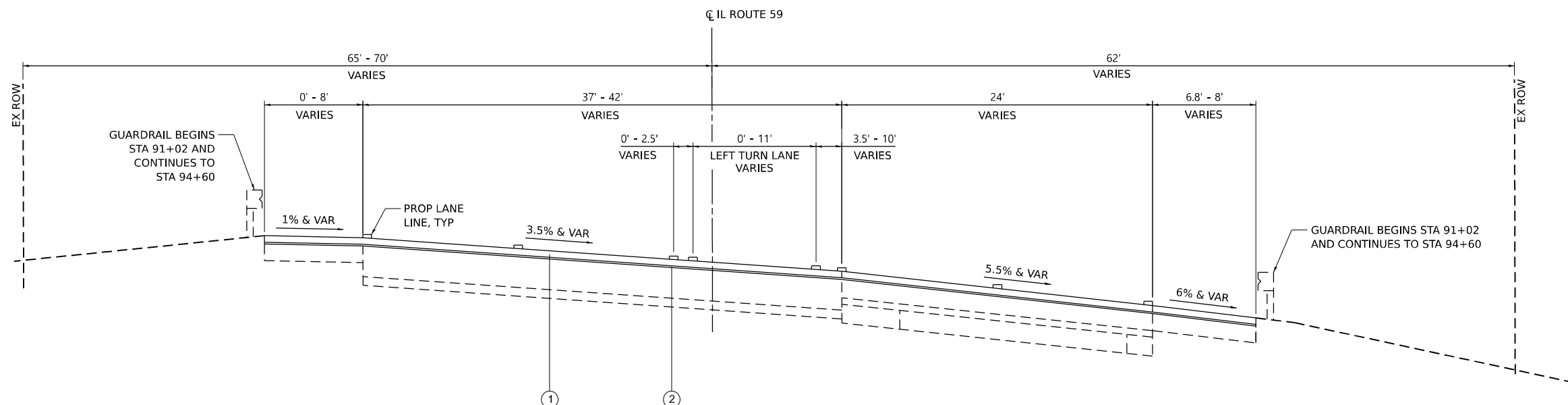
**EXISTING TYPICAL SECTION – IL ROUTE 59**

STA 90+85 TO STA 94+52

NOTE: PAVEMENT CORINGS SUGGEST THAT THE EXISTING N LEG SB PAVEMENT STRUCTURE CONSISTS OF APPROXIMATELY 4" LESS PAVEMENT DEPTH THAN THE EXISTING S LEG SB PAVEMENT STRUCTURE

**LEGEND – PROPOSED TYPICAL SECTIONS**

- ① POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 (1 3/4")
- ② POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (3/4")



**PROPOSED TYPICAL SECTION – IL ROUTE 59**

STA 90+85 TO STA 94+52

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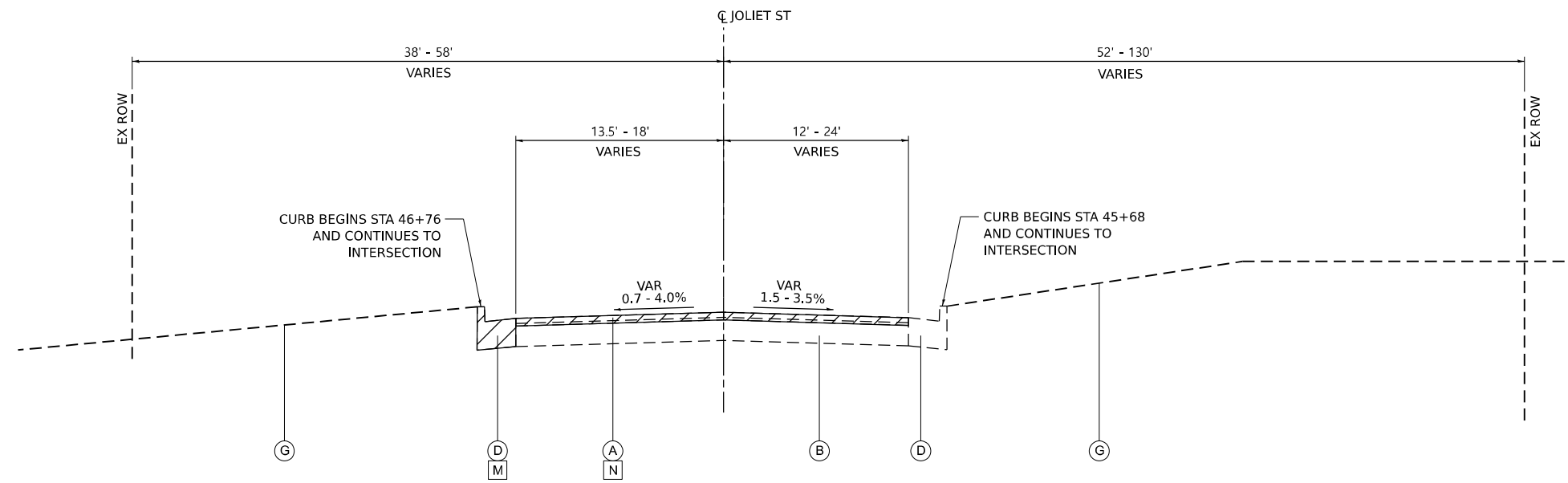
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
IL ROUTE 59 – NORTH LEG**


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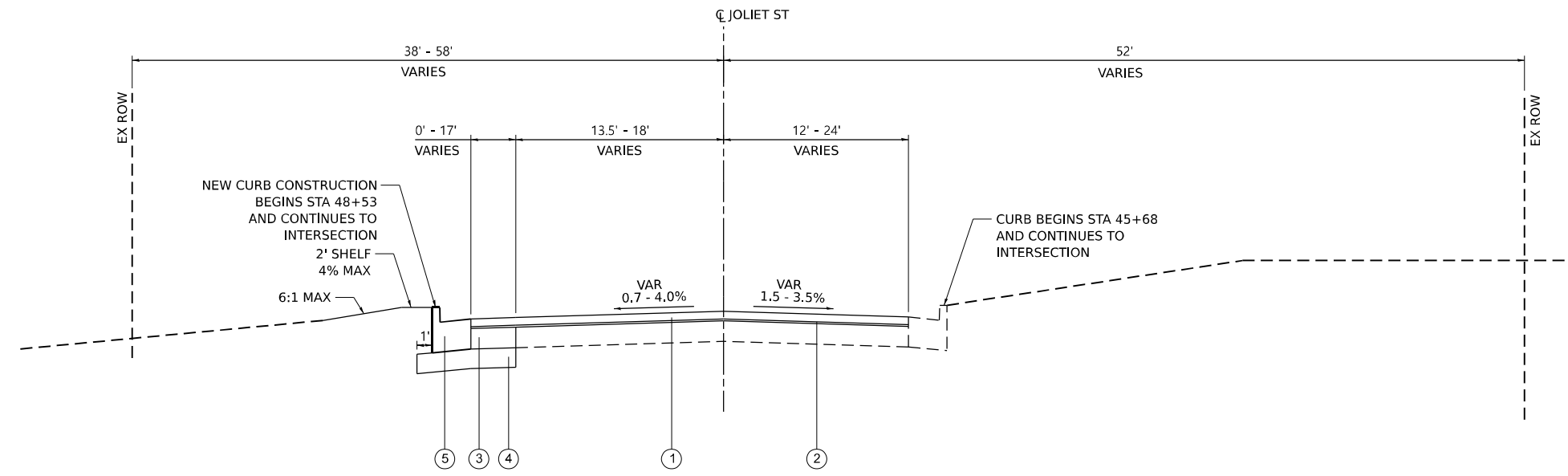
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338	2021-087-TS&N	DUPAGE	82	10
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				





**EXISTING TYPICAL SECTION - JOLIET STREET**  
STA 45+20 TO STA 49+34

- LEGEND - EXISTING TYPICAL SECTIONS**
- (A) EXISTING HMA PAVEMENT, 2" & VARIES
  - (B) EXISTING STABILIZED BASE COURSE, 8" & VARIES
  - (C) EXISTING SUB-BASE GRANULAR MATERIAL, 4" & VARIES
  - (D) EXISTING COMBINATION CURB & GUTTER, TYPE B-6.24
  - (E) EXISTING CONCRETE BARRIER MEDIAN
  - (F) EXISTING STABILIZED PAVED SHOULDER, 8"
  - (G) EXISTING GRADING
  - (H) EXISTING GRAVEL SHOULDER
  - (I) EXISTING HMA RESURFACING
  - (J) EXISTING HMA WIDENING
  - (K) EXISTING BITUMINOUS AGGREGATE MIXTURE
  - (L) MEDIAN REMOVAL
  - (M) COMBINATION CURB AND GUTTER REMOVAL
  - (N) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
-  REMOVAL ITEMS



**PROPOSED TYPICAL SECTION - JOLIET STREET**  
STA 45+20 TO STA 48+62

- LEGEND - PROPOSED TYPICAL SECTIONS**
- ① POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70 (1 3/4")
  - ② POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (3/4")
  - ③ HOT-MIX ASPHALT BASE COURSE, 10 1/2"
  - ④ AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - ⑤ B-6.24 CURB & GUTTER

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

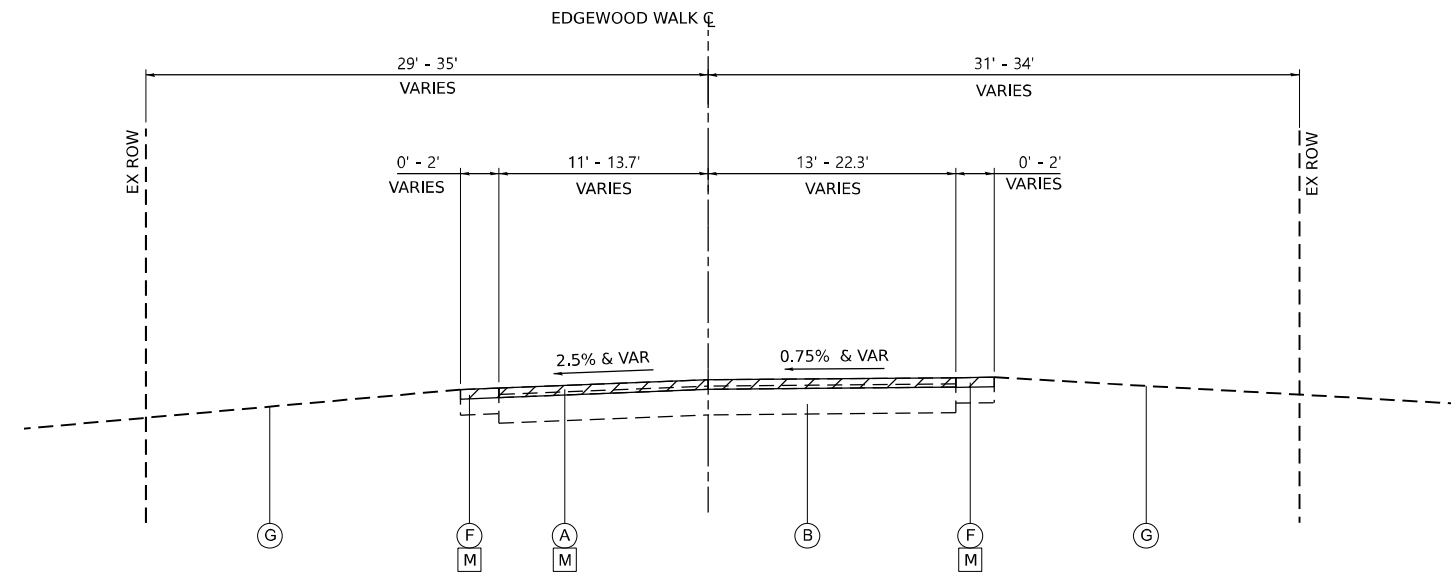
<b>TYPICAL SECTIONS JOLIET STREET</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	11
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

**LEGEND – EXISTING TYPICAL SECTIONS**

- (A) EXISTING HMA PAVEMENT, 2" & VARIES
- (B) EXISTING STABILIZED BASE COURSE, 8" & VARIES
- (C) EXISTING SUB-BASE GRANULAR MATERIAL, 4" & VARIES
- (D) EXISTING COMBINATION CURB & GUTTER, TYPE B-6,24
- (E) EXISTING CONCRETE BARRIER MEDIAN
- (F) EXISTING STABILIZED PAVED SHOULDER, 8"
- (G) EXISTING GRADING
- (H) EXISTING GRAVEL SHOULDER
- (I) EXISTING HMA RESURFACING
- (J) EXISTING HMA WIDENING
- (K) MEDIAN REMOVAL
- (L) COMBINATION CURB AND GUTTER REMOVAL
- (M) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

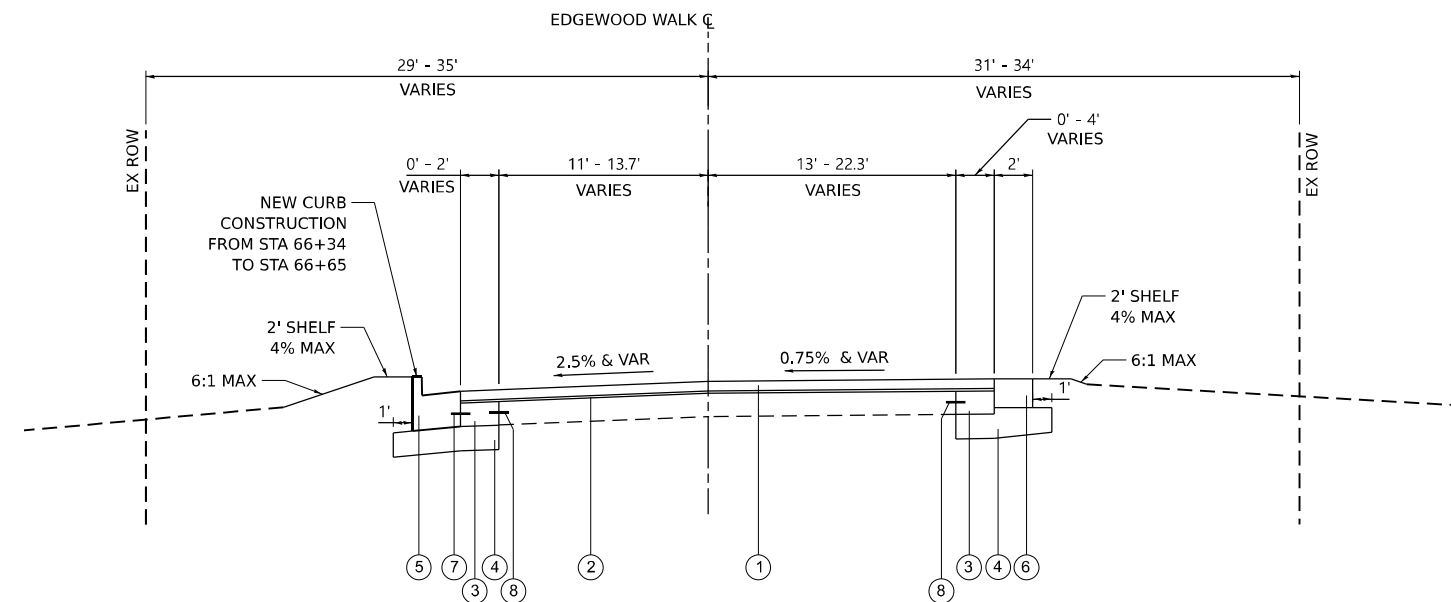
 REMOVAL ITEMS



**EXISTING TYPICAL SECTION – EDGEWOOD WALK**  
STA 60+34 TO STA 61+00

**LEGEND – PROPOSED TYPICAL SECTIONS**

- ① POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80 (1 3/4")
- ② POLYMERIZED HMA BINDER COURSE, IL-4.75, N50 (3/4")
- ③ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10 1/2"
- ④ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑤ B-6.24 CURB & GUTTER
- ⑥ HOT-MIX ASPHALT SHOULDERS, 10 1/2"
- ⑦ #5 ROUND TIE BAR, 18" LONG, 30" C-C, COST INCLUDED IN COMB. CONC. CURB AND GUTTER PAY ITEM
- ⑧ DRILL AND GROUT BARS (#5 BARS, 18" LONG, 30" C-C) COST INCLUDED IN COMB. CONC. CURB AND GUTTER PAY ITEM



**PROPOSED TYPICAL SECTION – EDGEWOOD WALK**  
STA 60+34 TO STA 61+00

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	DRAWN - ASH	REVISED -
PLOT SCALE = 10,000' / 1"	CHECKED - JAC	REVISED -
PLOT DATE = 7/25/2022	DATE - 07-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
EDGEWOOD WALK**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	12
			CONTRACT NO. 62P22	
		ILLINOIS FED. AID PROJECT		

ROADWAY PAVEMENT SCHEDULE												
			30300112	35400505	35501326	40600290	40600370	40600400	40603200	40604172	40605026	48203039
			AGGREGATE SUBGRADE IMPROVEMENT, 12"	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10 1/2"	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	POLYMERIZED HOT- MIX ASPHALT BINDER COURSE, IL-4.75, N50	POLYMERIZED HOT- MIX ASPHALT SURFACE COURSE, IL- 9.5, MIX "E", N70	POLYMERIZED HOT- MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	HOT-MIX ASPHALT SHOULDERS, 10 1/2"
STATION	TO STATION	LOCATION	SQ YD	SQ YD	SQ YD	POUND	FOOT	TON	TON	TON	TON	SQ YD
75+22	78+50	IL RTE 59				1,963	1,426	5	120		285	
78+50	83+50	IL RTE 59				3,233	1,563	8	198		470	
83+50	88+50	IL RTE 59	62		62	3,017	2,000	7	185		439	
88+50	93+50	INTERSECTION	279	18	176	3,546	1,852	8	217	5	511	9
93+50	94+95	IL RTE 59				745	410	2	39		109	
45+19	48+50	JOLIET ST				846	665	2	52	123	123	
<b>SUM</b>			<b>341</b>	<b>18</b>	<b>238</b>	<b>13350</b>	<b>7916</b>	<b>32</b>	<b>811</b>	<b>128</b>	<b>1937</b>	<b>9</b>

PAVEMENT MARKING SCHEDULE									
			78000100	78000200	78000400	78000500	78000600	78000650	78100100
			THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER
STATION	TO STATION	LOCATION	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH
75+22	74+50	IL RTE 59							
74+50	88+50	IL RTE 59	219	7675	659	1,296	254		127
88+50	95+00	INTERSECTION	131	3998	267		120	120	73
45+00	48+00	JOLIET ST		560	151				
<b>SUM</b>			<b>350</b>	<b>12,233</b>	<b>1,077</b>	<b>1,296</b>	<b>374</b>	<b>120</b>	<b>200</b>

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 PLOT DATE = 7/25/2022

DESIGNED - ASH  
 DRAWN - ASH  
 CHECKED - JAC  
 DATE - 07-2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	13
CONTRACT NO. 62P22				
ILLINOIS			FED. AID PROJECT	

**ALIGNMENT COORDINATES – IL ROUTE 59**

CURVE	ELEMENT	STATION	NORTHING	EASTING
	POB	68+41.11	1886568.4120	1019714.0974
3	PC	81+21.92	1887869.5918	1019582.5677
3	PI	88+46.37	1888590.3691	1019509.7079
3	PT	94+58.90	1889065.9638	1020056.1859
	POT	100+70.56	1889467.5155	1020517.5853

EX. CURVE IL59  
 PI STA. = 88+46.37  
 $\Delta = 54^\circ 44' 22''$  (RT)  
 $D = 4^\circ 05' 39''$   
 $R = 1,399.42'$   
 $T = 724.45'$   
 $L = 1,336.98'$   
 $E = 176.40'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 81+21.92$   
 $P.T. STA. = 94+58.90$

**ALIGNMENT COORDINATES – JOLIET STREET**

CURVE	ELEMENT	STATION	NORTHING	EASTING
	POB	39+70.48	1889709.4403	1019536.1125
3	PC	42+24.82	1889462.2582	1019596.0205
3	PI	44+26.01	1889266.7315	1019643.4090
3	PT	46+26.19	1889065.9651	1017342.2828
6	PC	47+07.07	1888985.2542	1019661.6457
6	PI	48+12.03	1888880.5144	1019668.4317
6	PT	49+13.30	1888789.5778	1019720.8437
	POT	50+00.10	1888714.3795	1019764.1847

EX. CURVE JOLIET\_3  
 PI STA. = 44+26.01  
 $\Delta = 9^\circ 55' 00''$  (RT)  
 $D = 2^\circ 28' 15''$   
 $R = 2,318.99'$   
 $T = 201.19'$   
 $L = 401.37'$   
 $E = 8.71'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 42+24.82$   
 $P.T. STA. = 46+26.19$

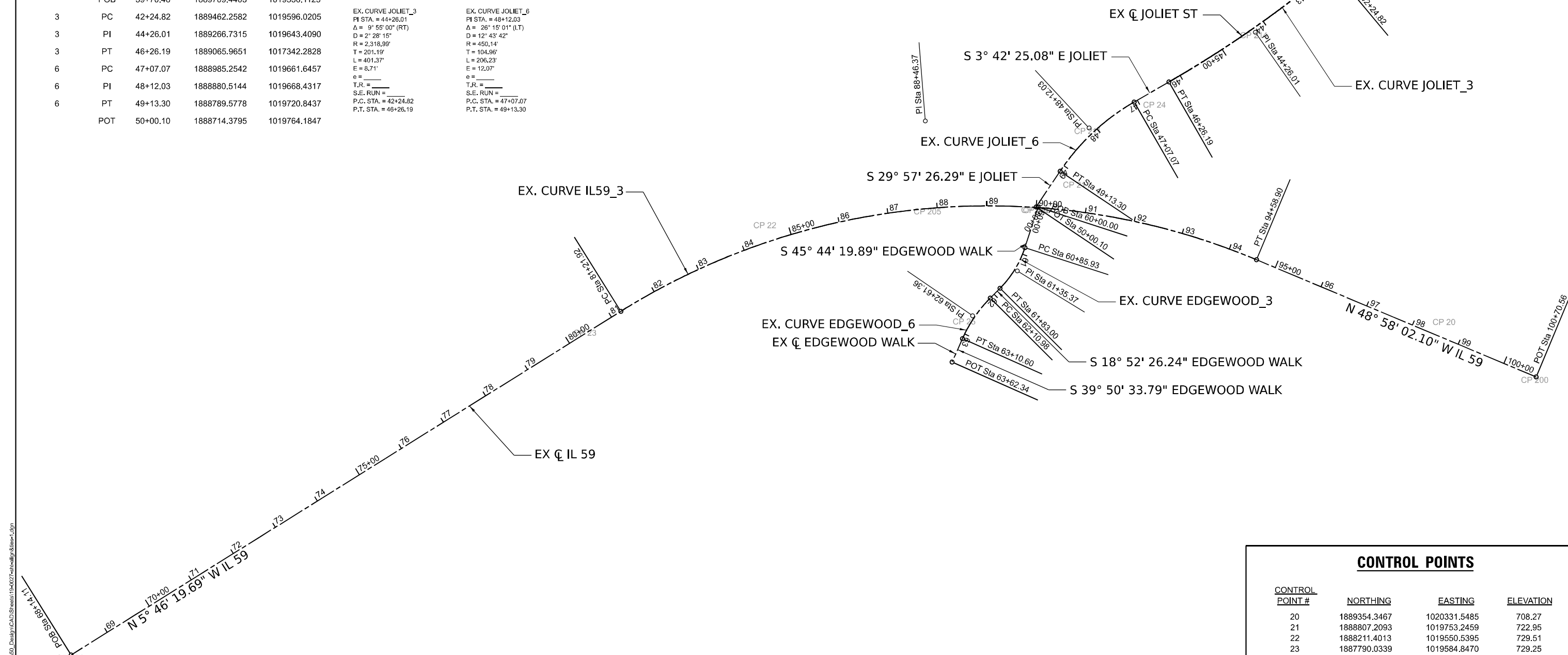
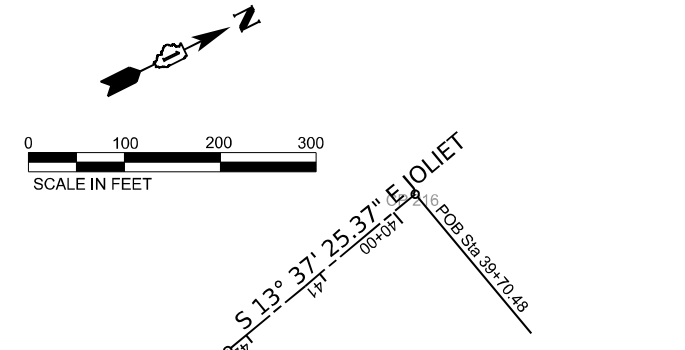
EX. CURVE JOLIET\_6  
 PI STA. = 48+12.03  
 $\Delta = 26^\circ 15' 01''$  (LT)  
 $D = 12^\circ 43' 42''$   
 $R = 450.14'$   
 $T = 104.96'$   
 $L = 206.23'$   
 $E = 12.07'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 47+07.07$   
 $P.T. STA. = 49+13.30$

**ALIGNMENT COORDINATES – EDGEWOOD WALK**

CURVE	ELEMENT	STATION	NORTHING	EASTING
	POB	60+00.00	1888717.6422	1019766.1258
3	PC	60+85.93	1888657.6725	1019827.6625
3	PI	61+35.37	1888623.1626	1019863.0741
3	PT	61+83.00	1888576.3751	1019879.0693
6	PC	62+10.98	1888549.8979	1019888.1210
6	PI	62+61.36	1888502.2314	1019904.4167
6	PT	63+10.60	1888463.5532	1020145.6983
	POT	63+62.34	1888423.8277	1019969.8393

EX. CURVE EDGEWOOD\_3  
 PI STA. = 61+35.37  
 $\Delta = 26^\circ 51' 54''$  (RT)  
 $D = 27^\circ 40' 29''$   
 $R = 207.03'$   
 $T = 49.45'$   
 $L = 97.07'$   
 $E = 5.82'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 60+85.93$   
 $P.T. STA. = 61+83.00$

EX. CURVE EDGEWOOD\_6  
 PI STA. = 62+61.36  
 $\Delta = 20^\circ 58' 08''$  (LT)  
 $D = 21^\circ 02' 53''$   
 $R = 272.21'$   
 $T = 50.38'$   
 $L = 99.62'$   
 $E = 4.62'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 62+10.98$   
 $P.T. STA. = 63+10.60$



**CONTROL POINTS**

CONTROL POINT #	NORTHING	EASTING	ELEVATION
20	1889354.3467	1020331.5485	708.27
21	1888807.2093	1019753.2459	722.95
22	1888211.4013	1019550.5395	729.51
23	1887790.0339	1019584.8470	729.25
24	1889024.1109	1019680.3490	718.71
25	1888486.1506	1019902.6617	725.67
200	1889467.5155	1020517.5853	708.74
201	1886568.4120	1019714.0974	721.68
210	1888714.4656	1019764.1351	721.92
211	1888880.5144	1019668.4317	724.51
214	1889266.7315	1019643.4090	709.93
216	1889709.4403	1019536.1125	706.88
220	1888717.6422	1019766.1258	721.90

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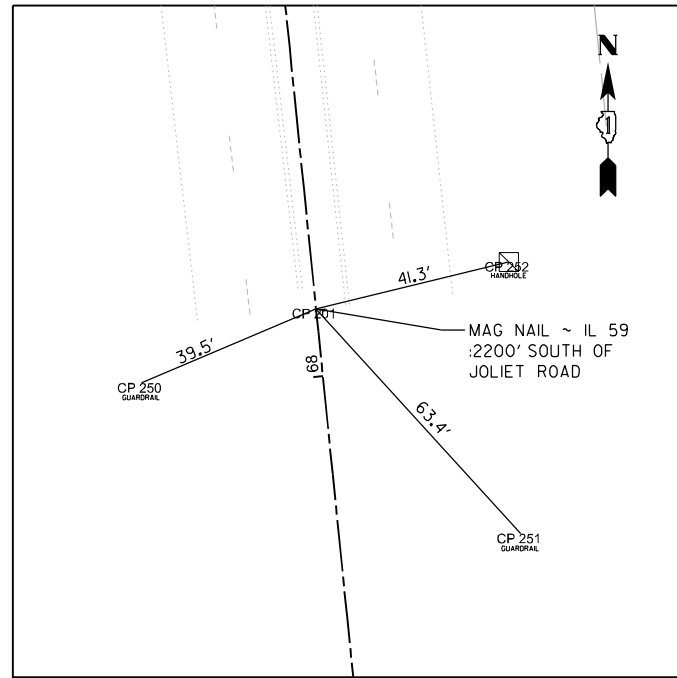
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	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

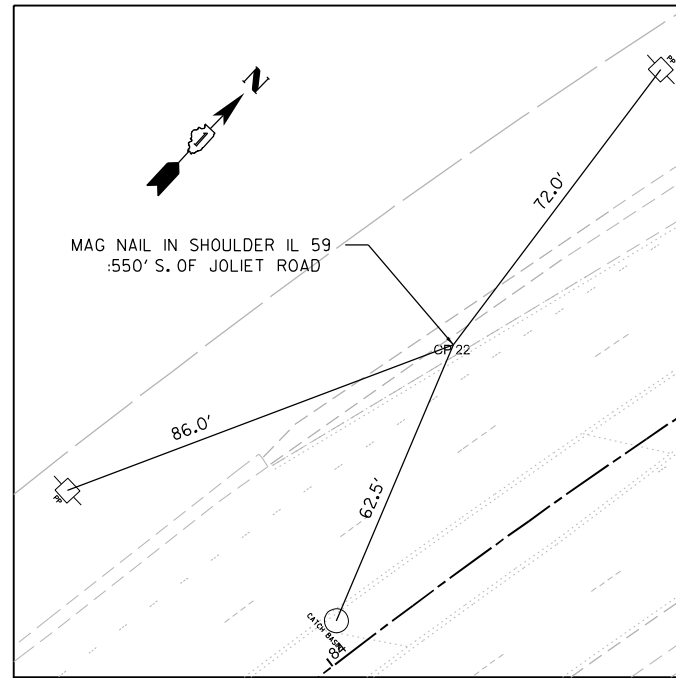
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<b>IL ROUTE 59 AT JOLIET STREET/EDGEWOOD WALK</b>	
SCALE: 1"=100'	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 14
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

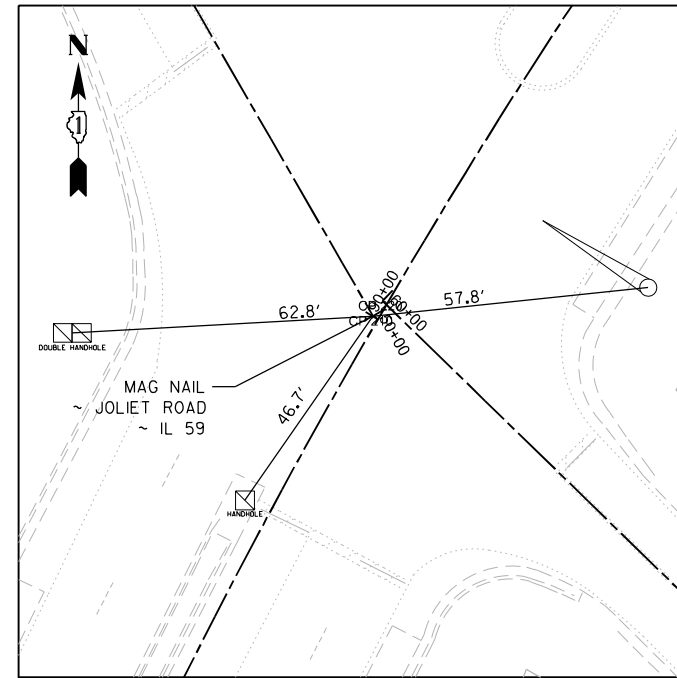




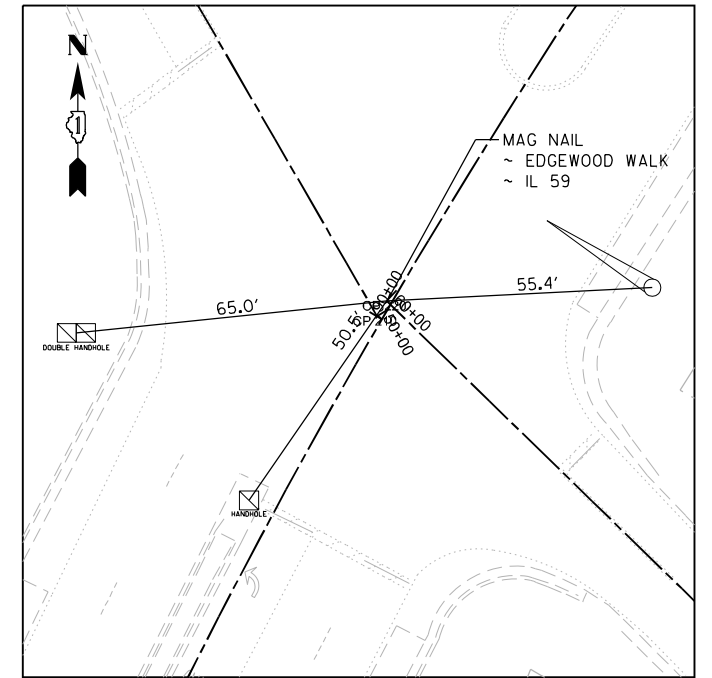
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MAG NAIL  
CP 201



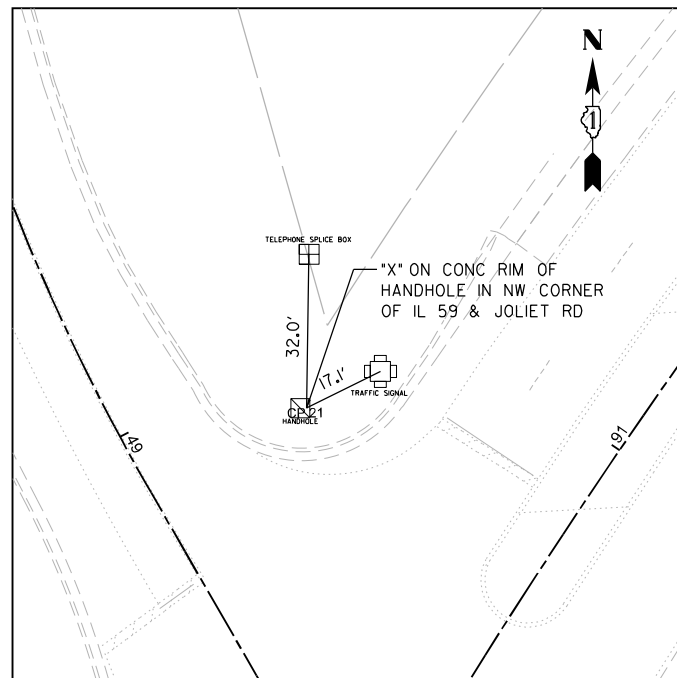
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MAG NAIL  
CP 22



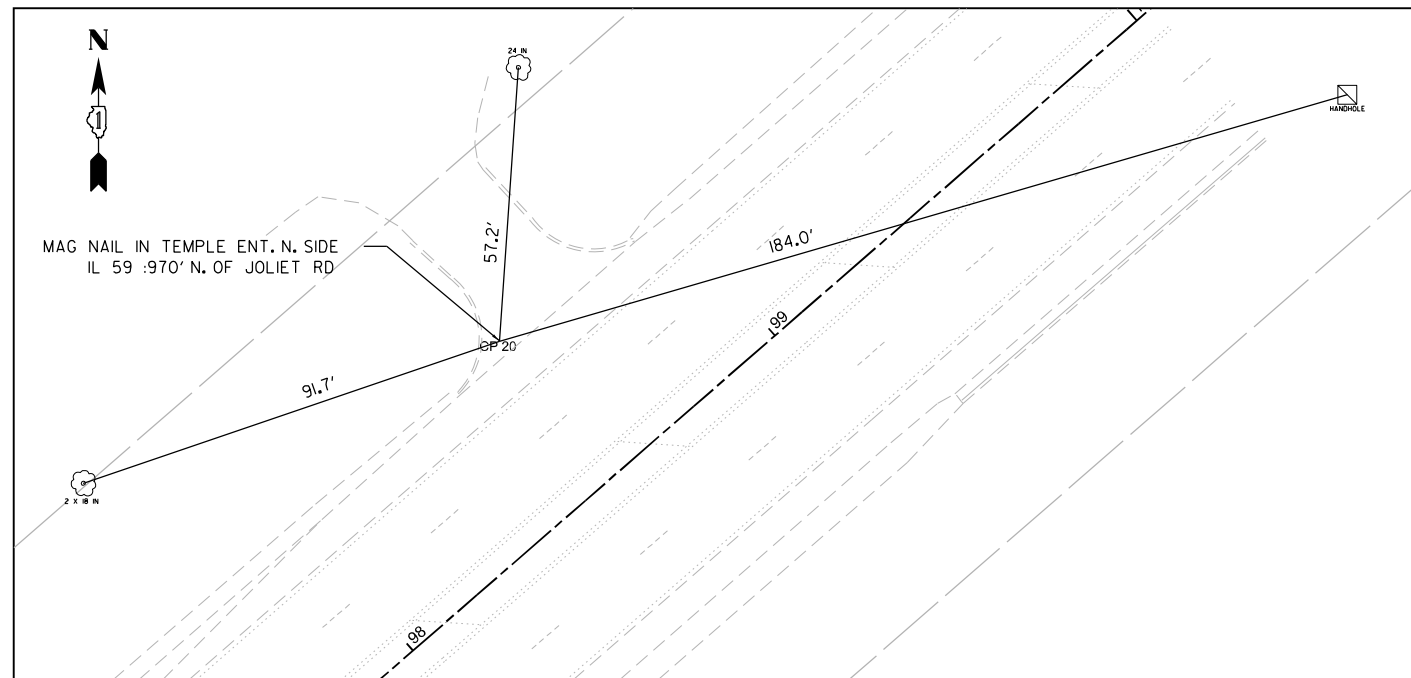
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CL STA 50+00.00 (JOLIET ST)  
MAG NAIL  
CP 210



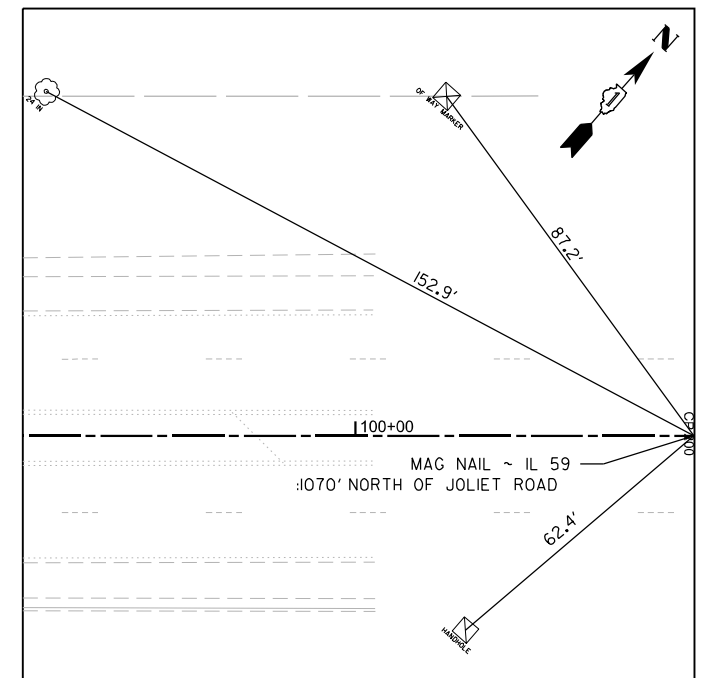
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CL STA 60+00.00 (EDGEWOOD WALK)  
MAG NAIL  
CP 220



CL STA 90+71.75 (IL 59)  
CUT CROSS  
CP 21



CL STA 98+56.00 (IL 59)  
MAG NAIL  
CP 20



CL STA 100+70.56 (IL 59)  
MAG NAIL  
CP 200

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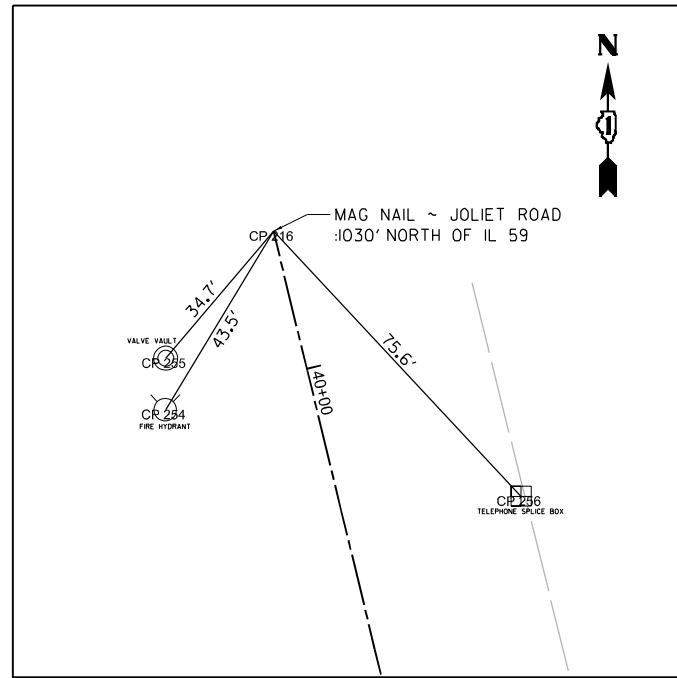
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

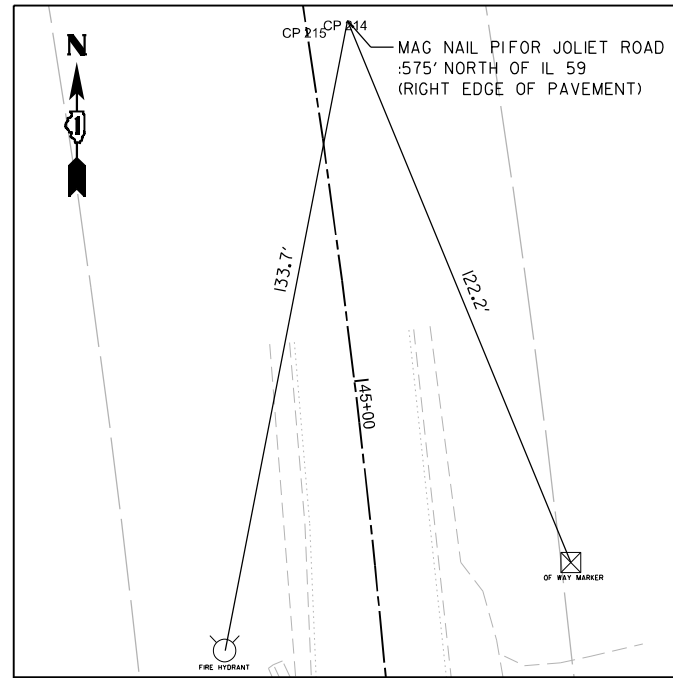
ALIGNMENT & TIES - TIE DIAGRAMS  
IL ROUTE 59 AT JOLIET STREET/EDGEWOOD WALK

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 15
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

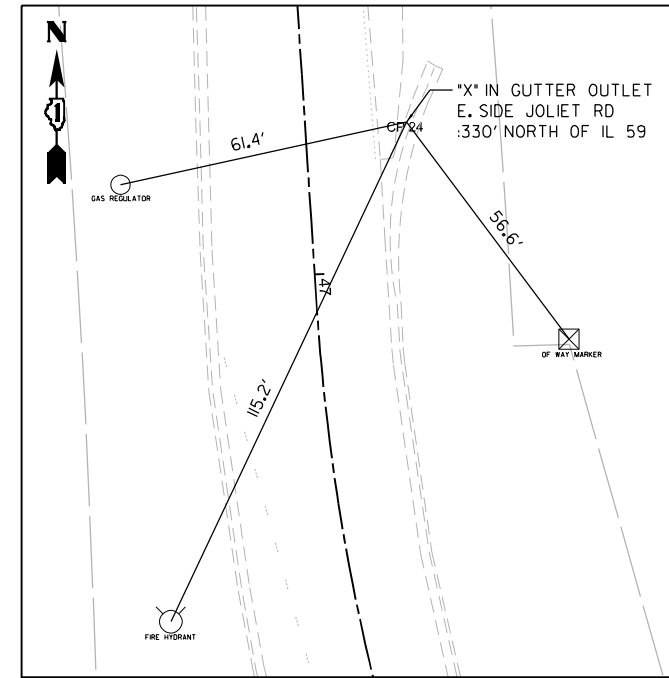
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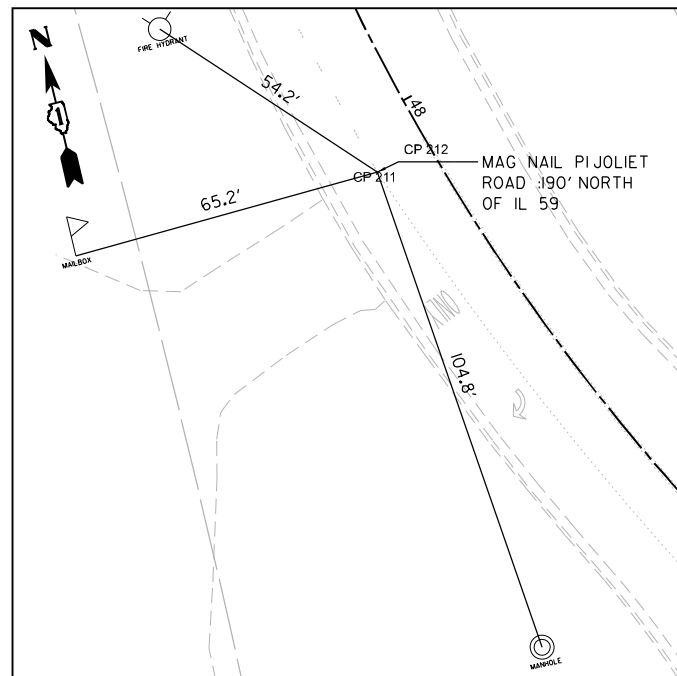
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MAG NAIL  
CP 216



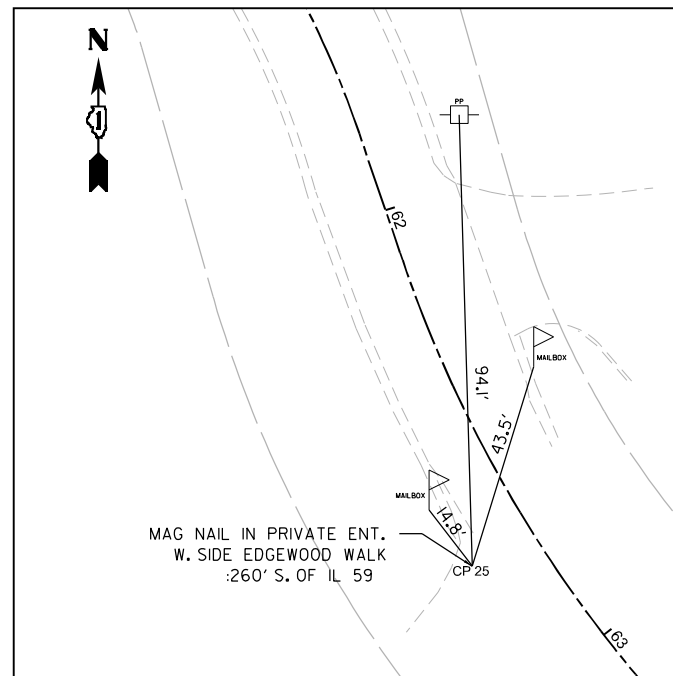
CL STA 44+25.50 (JOLIET ST)  
MAG NAIL  
CP 214



CL STA 46+69.50 (JOLIET ST)  
CUT CROSS  
CP 24



CL STA 48+10.19 (JOLIET ST)  
MAG NAIL  
CP 211



CL STA 62+73.29 (EDGEWOOD WALK)  
MAG NAIL  
CP 25

**BENCHMARKS**

BM 20 - SQUARE CUT ON SOUTHEAST CORNER OF CONCRETE BASE OF TRAFFIC CONTROLLER BOX IN THE SOUTHWEST CORNER OF IL ROUTE 59 & JOLIET STREET  
ELEVATION: 724.48'

BM 21 - SQUARE CUT ON WINGWALL ON EAST SIDE OF IL ROUTE 59 SOUTH SECTION OF BRIDGE APPROXIMATELY 500' NORTH OF JOLIET ROAD  
ELEVATION: 711.82'

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PLOT DATE = 6/9/2022	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT & TIES - TIE DIAGRAMS & BENCHMARKS  
IL ROUTE 59 AT JOLIET STREET/EDGEWOOD WALK**

SCALE: SHEET OF SHEETS STA. TO STA.

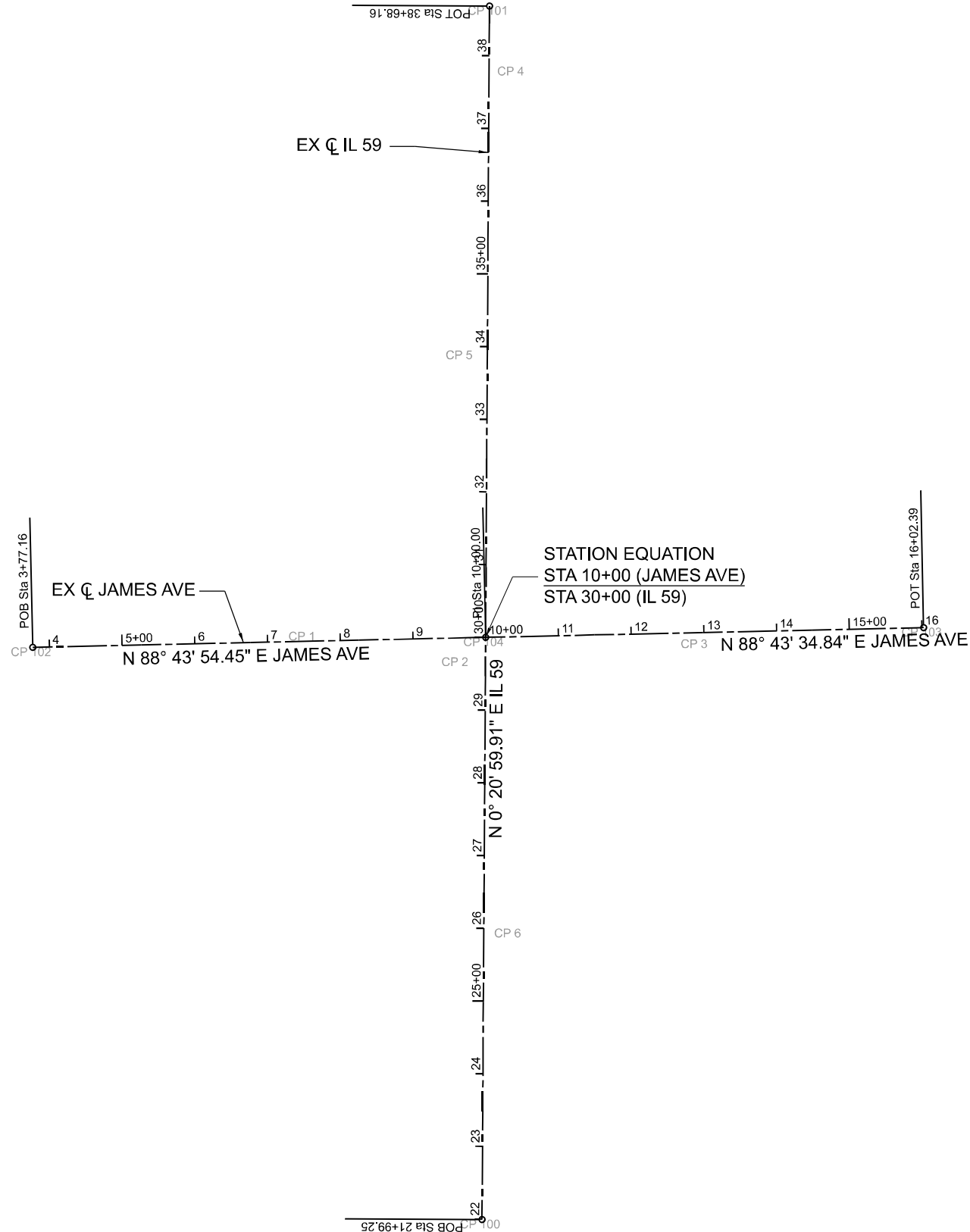
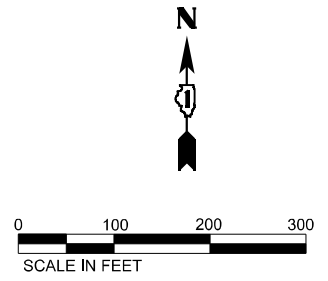
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	16
CONTRACT NO. 62P22				
ILLINOIS		FED. AID PROJECT		

**ALIGNMENT COORDINATES – IL ROUTE 59**

ELEMENT	STATION	NORTHING	EASTING
POB	21+99.25	1903583.6146	1022074.7460
PI	30+00.00	1904384.3538	1022079.7298
POT	38+68.16	1905252.4926	1022084.9400

**ALIGNMENT COORDINATES – JAMES AVE**

ELEMENT	STATION	NORTHING	EASTING
POB	3+77.16	1904370.5687	1021457.0424
PI	10+00.00	1904384.3538	1022079.7298
POT	16+02.39	1904397.7435	1022684.9717



CONTROL POINTS			
CONTROL POINT #	NORTHING	EASTING	ELEVATION
1	1904391.9490	1021827.8973	793.13
2	1904356.8414	1022038.4195	789.52
3	1904381.5664	1022367.5338	786.73
4	1905169.1295	1022115.4924	778.73
5	1904778.8775	1022044.2801	784.38
6	1903983.7565	1022111.2094	791.24
100	1903583.6146	1022074.7460	789.88
101	1905252.4926	1022084.9400	778.43
102	1904370.5687	1021457.0424	796.23
103	1904397.7435	1022681.9717	785.29
104	1904384.3537	1022079.7271	789.54

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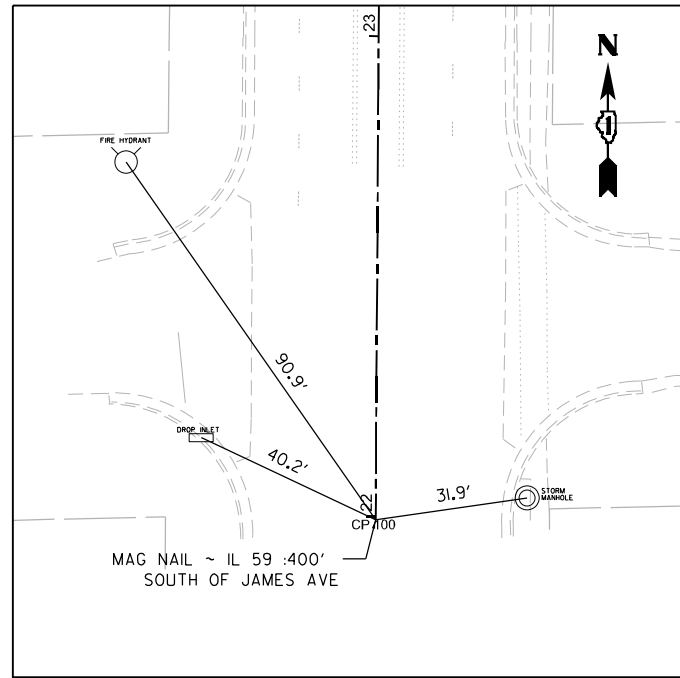


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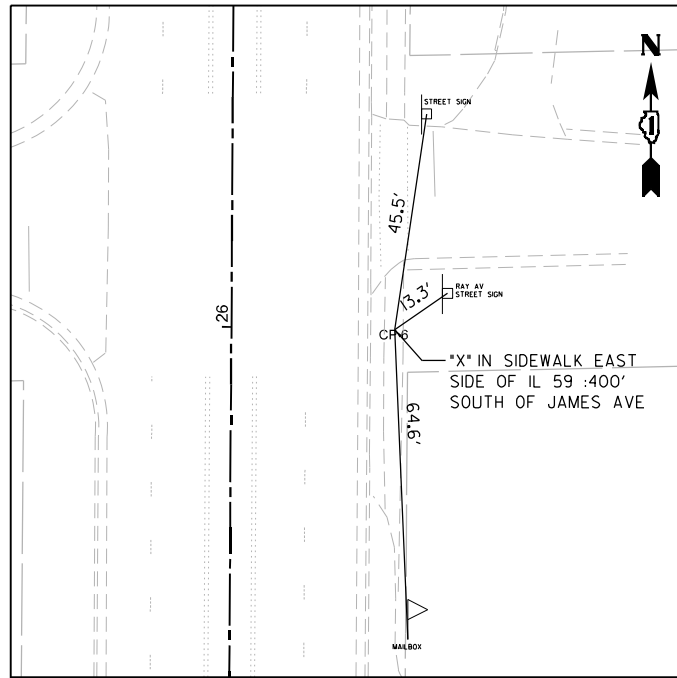
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ALIGNMENT AND TIES IL ROUTE 59 AT JAMES AVENUE</b>			
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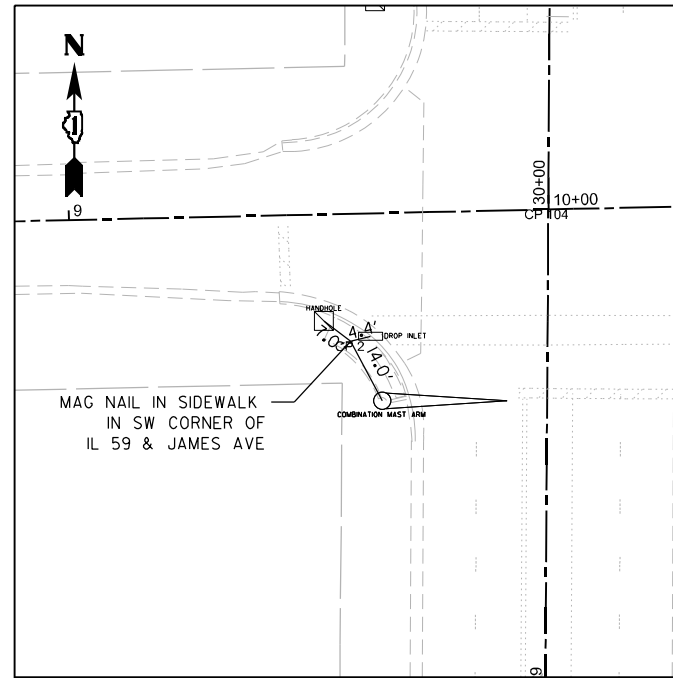
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ILLINOIS				FED. AID PROJECT



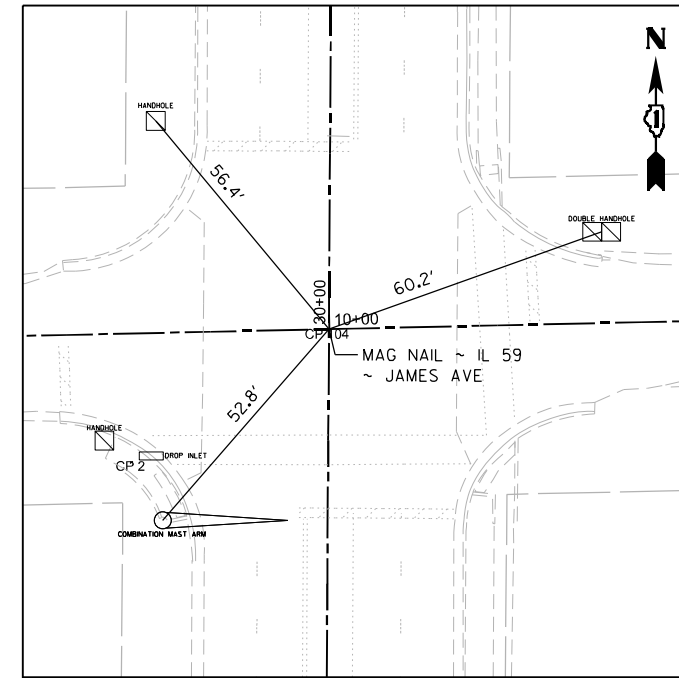
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MAG NAIL  
CP 100



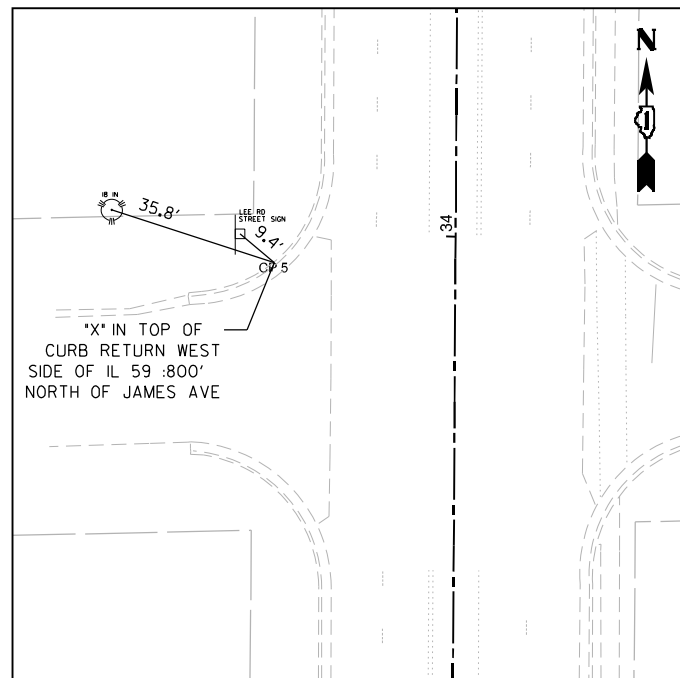
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CROSS CUT  
CP 6



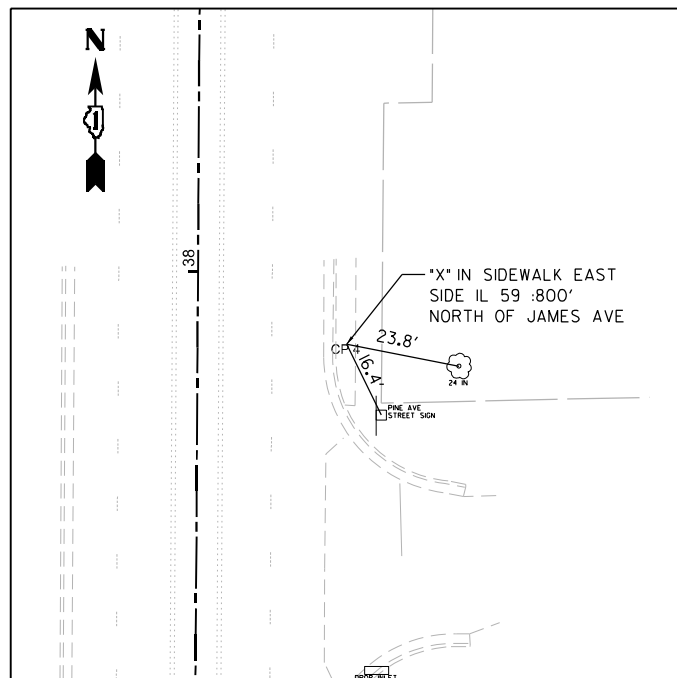
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MAG NAIL  
CP 2



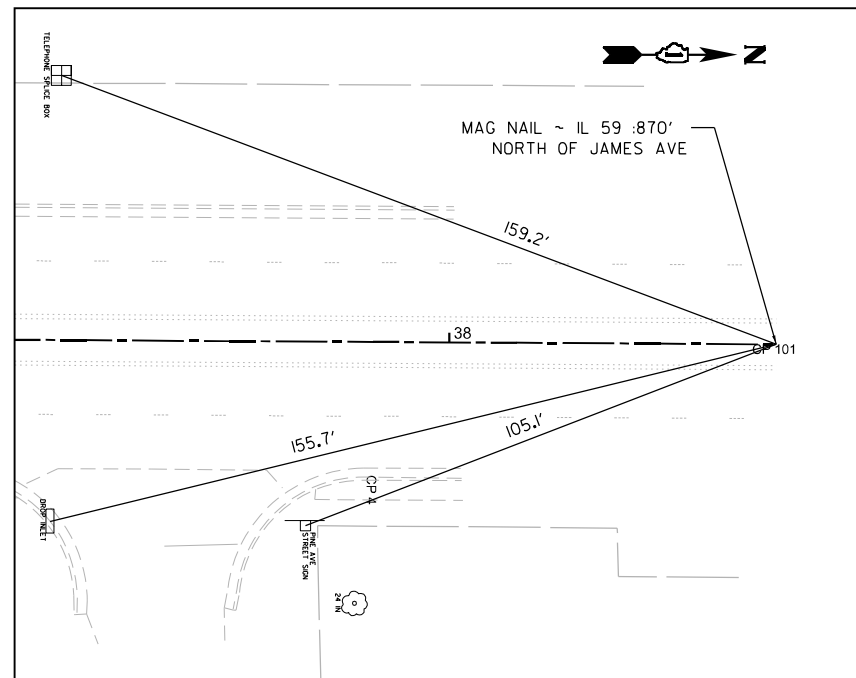
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CL STA 10+00.00 (JAMES AVE)  
MAG NAIL  
CP 104



CL STA 33+94.30 (IL 59)  
CUT CROSS  
CP 5



CL STA 37+84.98 (IL 59)  
CROSS CUT  
CP 4



CL STA 38+68.16 (IL 59)  
MAG NAIL  
CP 101

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DRAWN	- ASH
CHECKED	- JAC
DATE	- 06-2022

REVISED	-
REVISED	-
REVISED	-
REVISED	-

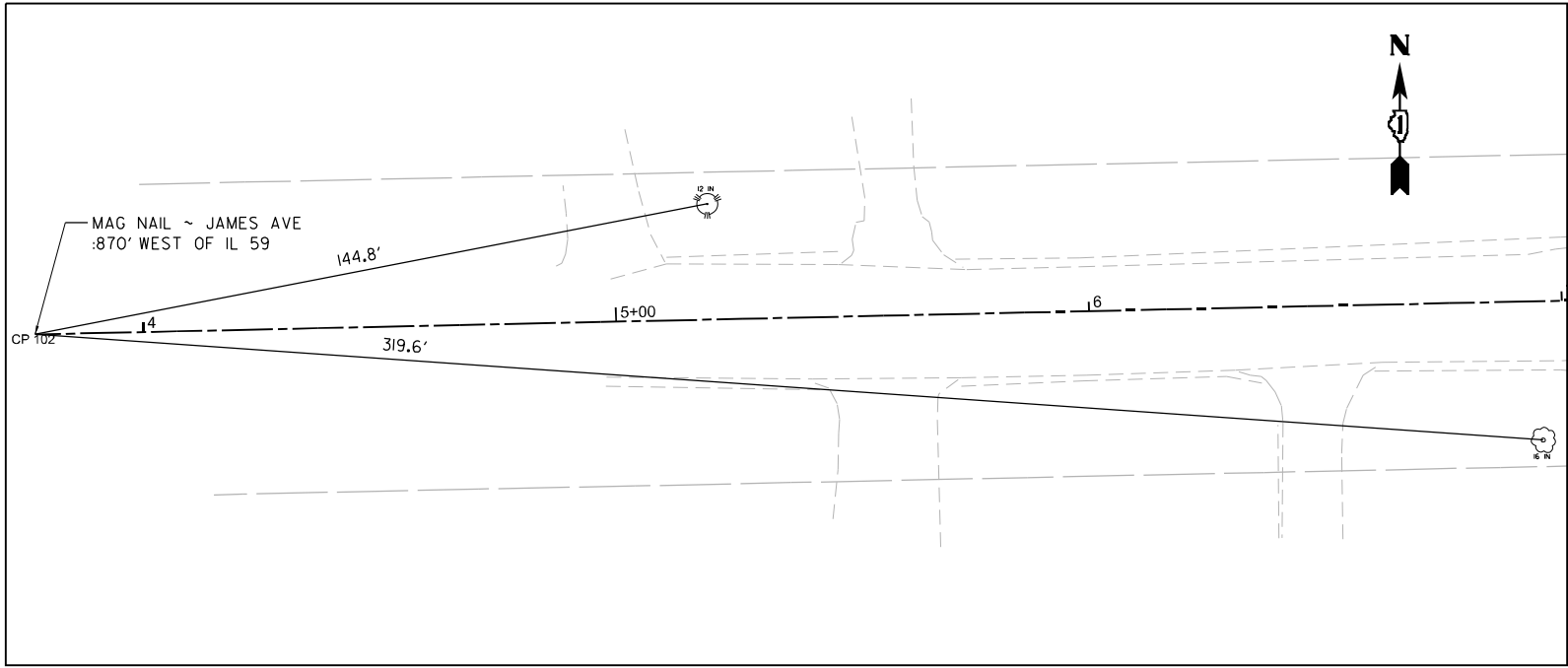
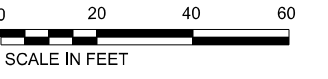
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT & TIES - TIE DIAGRAMS  
IL ROUTE 59 AT JAMES AVENUE

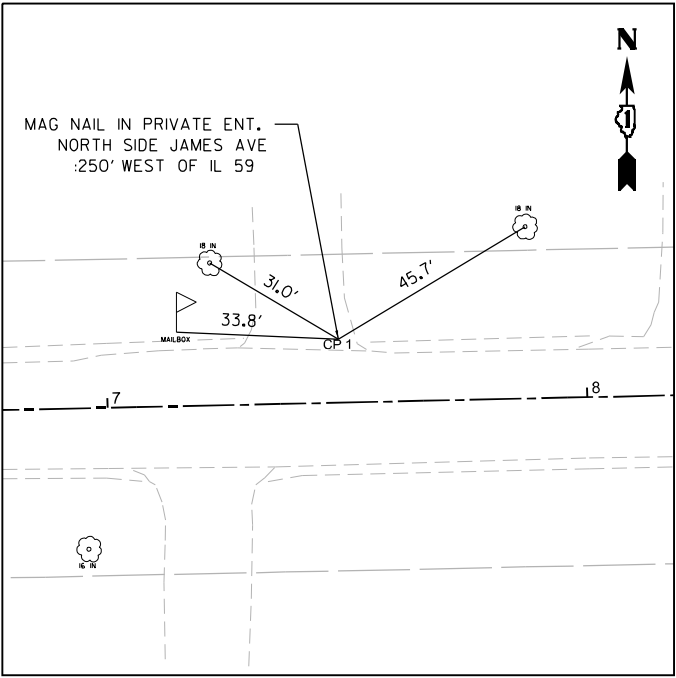
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	18
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

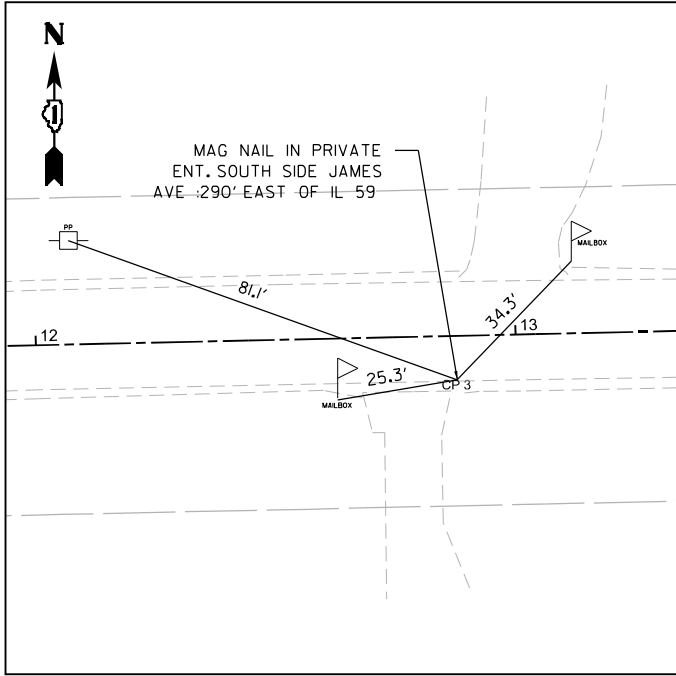




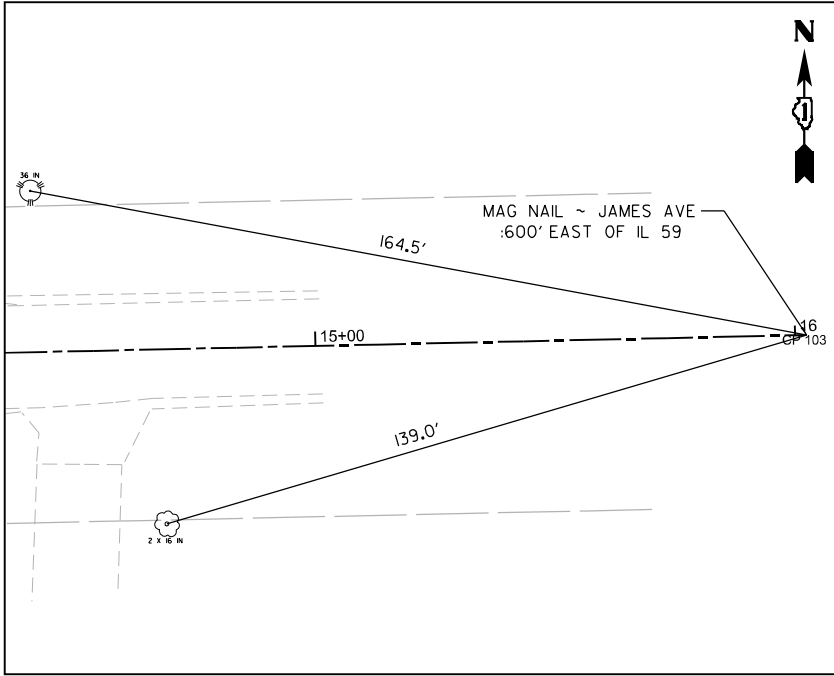
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MAG NAIL  
CP 102



CL STA 7+48.40 (JAMES AVE)  
MAG NAIL  
CP 1



CL STA 12+87.67 (JAMES AVE)  
MAG NAIL  
CP 3



CL STA 16+02.37 (JAMES AVE)  
MAG NAIL  
CP 103

**BENCHMARKS**

BM 1 - CROSS CUT IN NORTHERLY BOLT OF FIE HYDRANT IN NORTHWEST CORNER OF RAY AVENUE & IL ROUTE 59  
ELEVATION: 792.63'

BM 2 - SQUARE CUT ON WEST SIDE OF CONCRETE BASE OF TRAFFIC SIGNAL WITH MAST ARM IN NORTHEAST CORNER OF JAMES AVENUE & IL ROUTE 59  
ELEVATION: 789.01'

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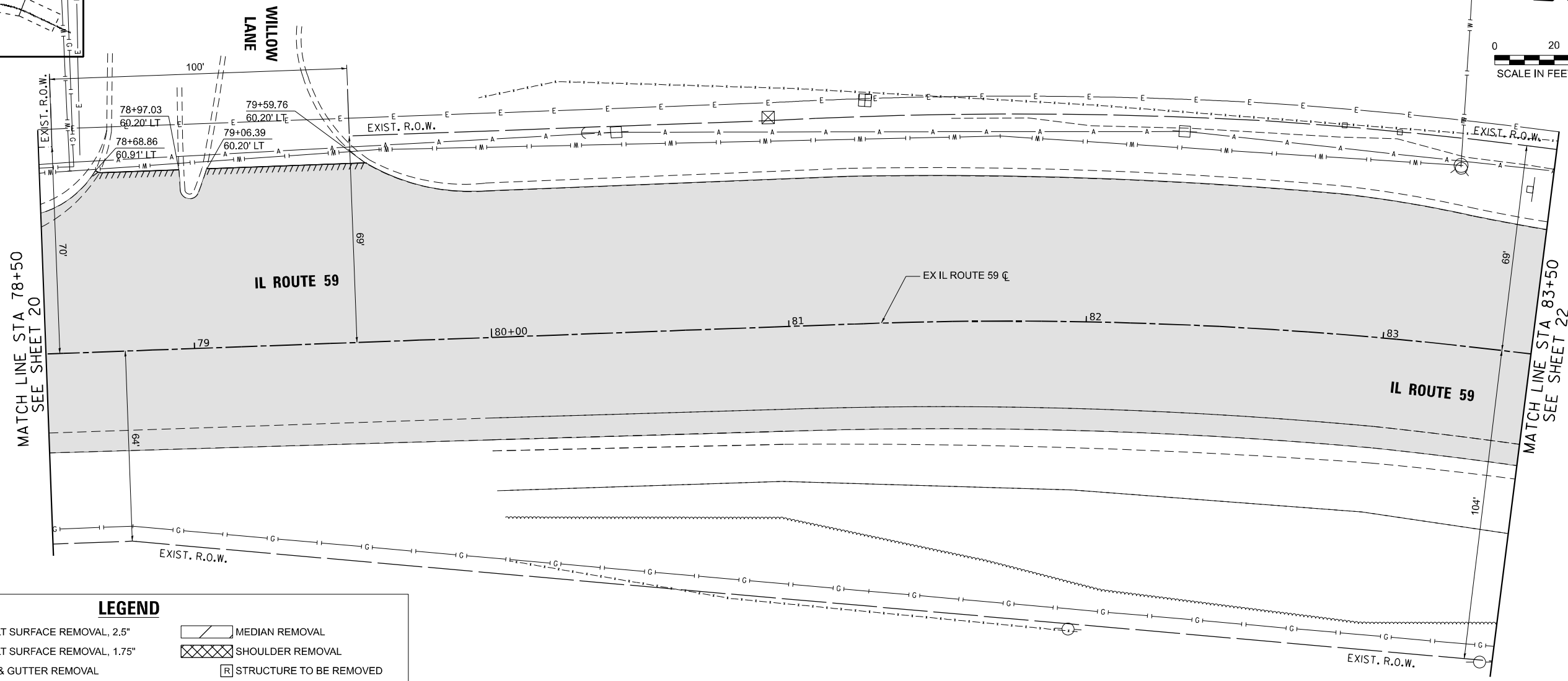
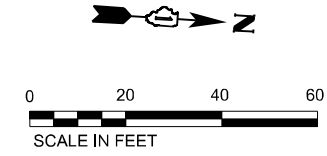
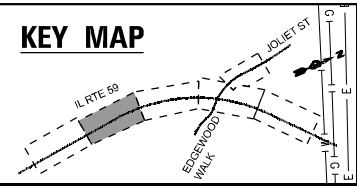
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT & TIES - TIE DIAGRAMS & BENCHMARKS  
IL ROUTE 59 AT JAMES AVE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	19
CONTRACT NO. 62P22				
SCALE:		SHEET OF SHEETS	STA.	TO STA.
ILLINOIS   FED. AID PROJECT				



**KEY MAP**

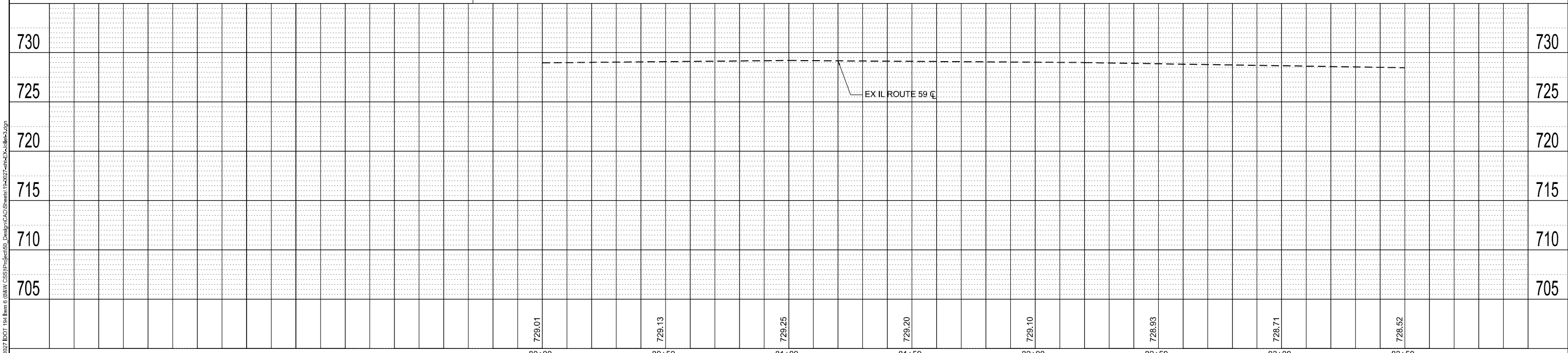


**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.75"
- CURB OR CURB & GUTTER REMOVAL
- STRUCTURE TO BE ADJUSTED
- MEDIAN REMOVAL
- SHOULDER REMOVAL
- STRUCTURE TO BE REMOVED
- BUTT JOINT REMOVAL

PLAN	DATE
STRIPPED	
PLOTTED	
ALIGNMENT CHECKED	
CADD FILE NAME	
NOTE BOOK NO.	

PROFILE	DATE
STRIPPED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHKD	
NOTE BOOK NO.	



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	DATE - 06-2022	REVISED -

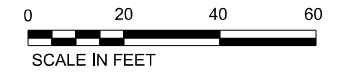
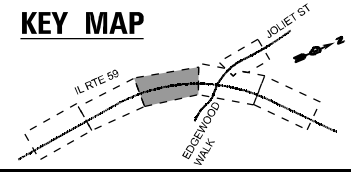
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS, REMOVALS AND UTILITIES PLAN  
IL ROUTE 59 AT JOLIET ST EDENWOOD WALK**

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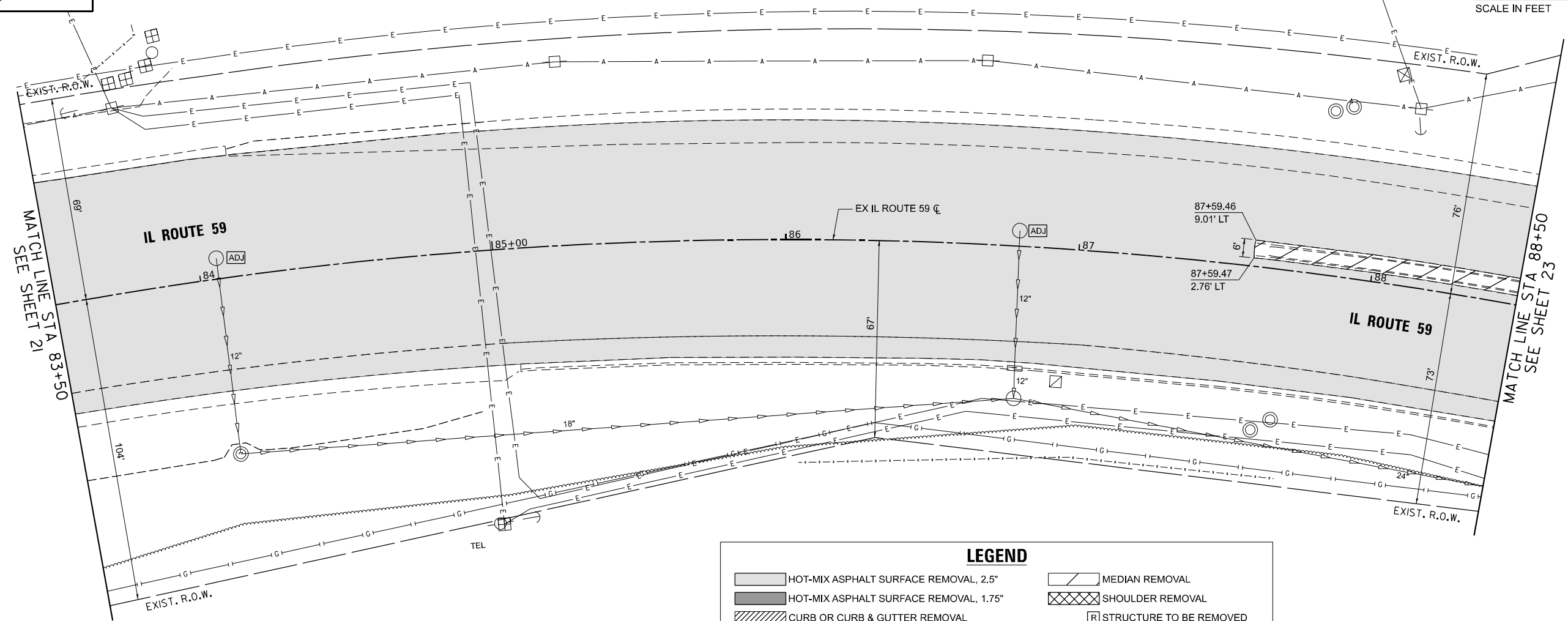
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CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

**KEY MAP**



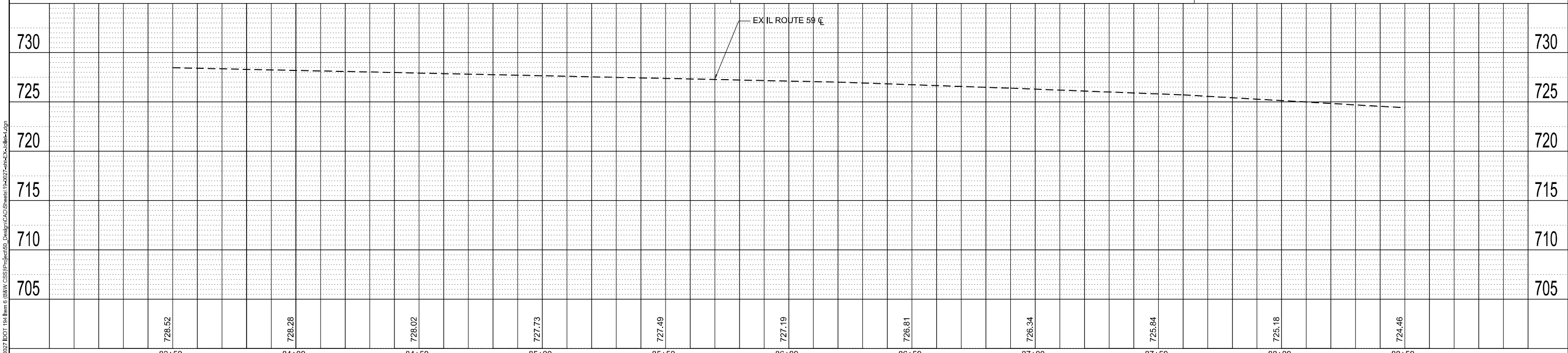
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BY	
REVIEWED	
PLOTTED	
ALIGNMENT CHECKED	
AS-CAD	
NOTE BOOK NO.	
CADD FILE NAME	

PROFILE	DATE
BY	
REVIEWED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHRD	
NOTE BOOK NO.	
CADD FILE NAME	



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.75"
- CURB OR CURB & GUTTER REMOVAL
- SHOULDER REMOVAL
- STRUCTURE TO BE REMOVED
- STRUCTURE TO BE ADJUSTED
- MEDIAN REMOVAL
- BUTT JOINT REMOVAL



USER NAME = MET	DESIGNED - ASH	REVISED -
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	DATE - 06-2022	REVISED -

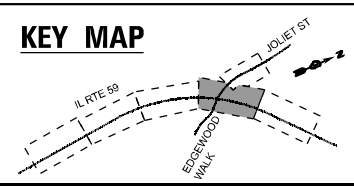
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS, REMOVALS AND UTILITIES PLAN  
IL ROUTE 59 AT JOLIET ST EDGEWOOD WALK**

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 22
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

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**KEY MAP**



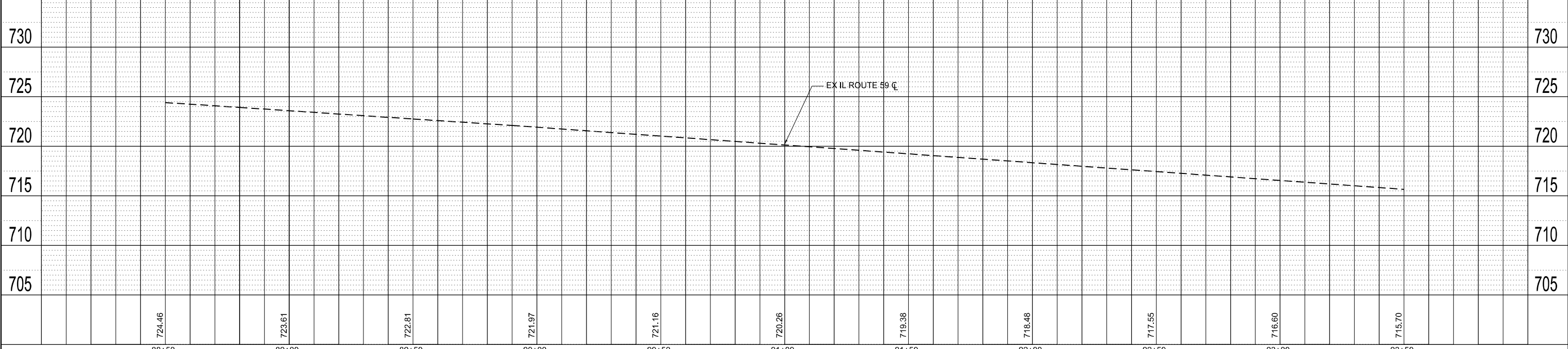
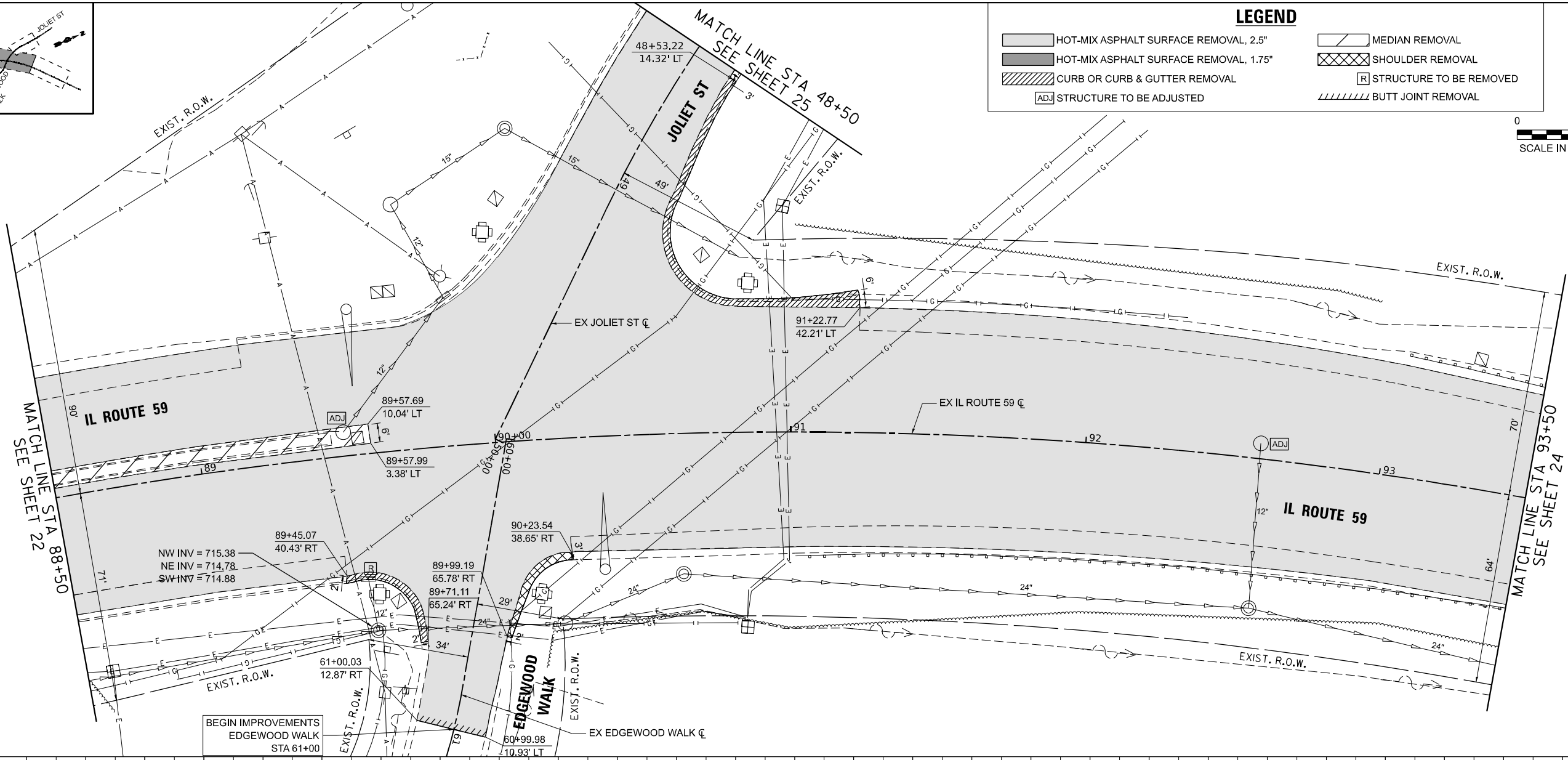
**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.75"
- CURB OR CURB & GUTTER REMOVAL
- STRUCTURE TO BE ADJUSTED
- MEDIAN REMOVAL
- SHOULDER REMOVAL
- STRUCTURE TO BE REMOVED
- BUTT JOINT REMOVAL



PLAN	DATE	BY
	DATE	BY
PROFILE	DATE	BY
	DATE	BY

PLAN	DATE	BY
	DATE	BY
PROFILE	DATE	BY
	DATE	BY



88+50	89+00	89+50	90+00	90+50	91+00	91+50	92+00	92+50	93+00	93+50
724.46	723.61	722.81	721.97	721.16	720.26	719.38	718.48	717.55	716.60	715.70



USER NAME = MET	DESIGNED - ASH	REVISED -
DRAWN - ASH	REVISIONS	
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DATE - 06-2022	REVISIONS	

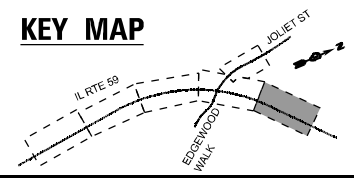
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS, REMOVALS AND UTILITIES PLAN  
IL ROUTE 59 AT JOLIET ST EDGEMOOD WALK**

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 23
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

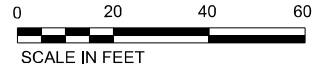
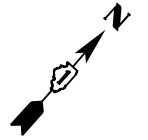
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**KEY MAP**



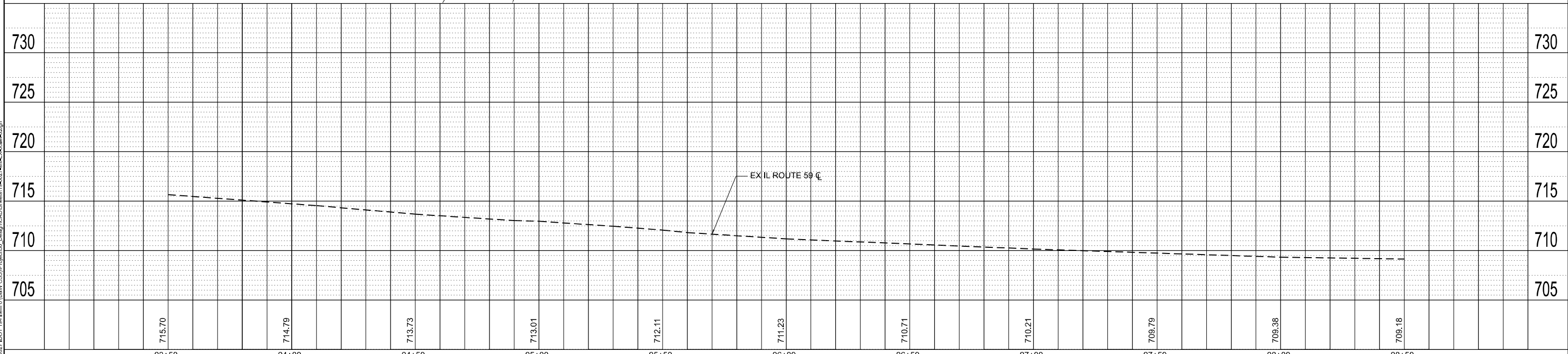
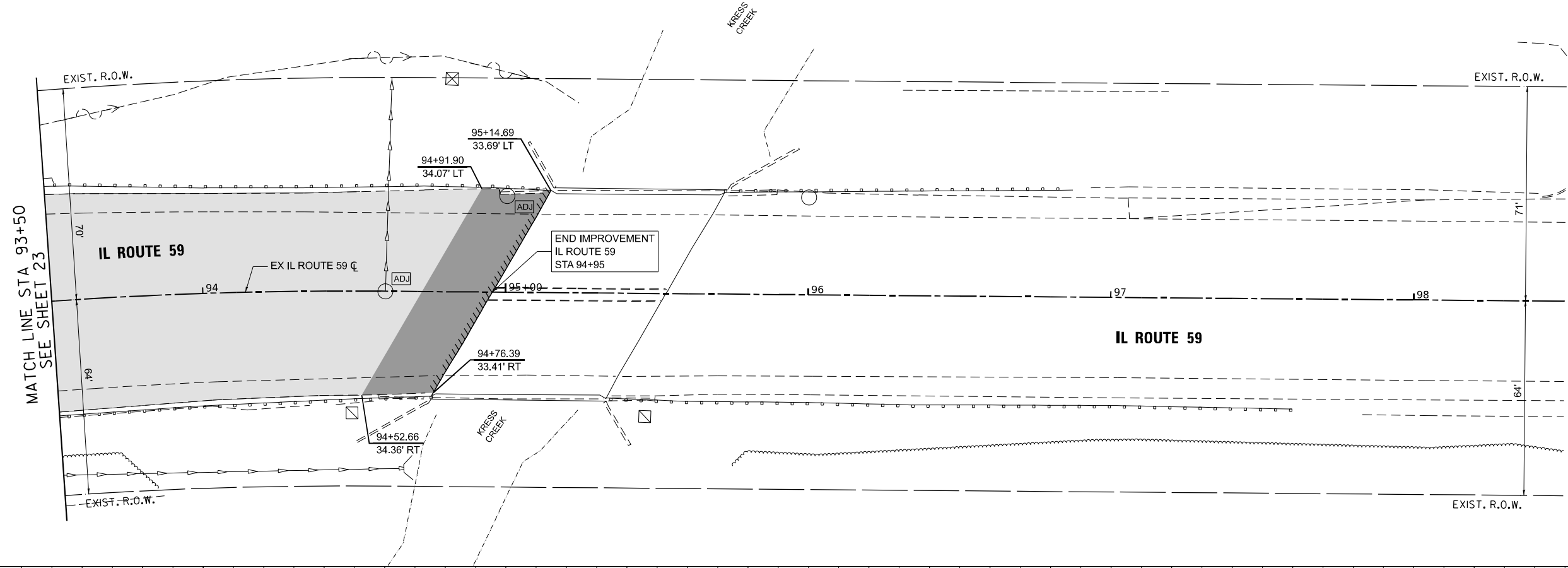
**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.75"
- CURB OR CURB & GUTTER REMOVAL
- STRUCTURE TO BE ADJUSTED
- MEDIAN REMOVAL
- SHOULDER REMOVAL
- STRUCTURE TO BE REMOVED
- BUTT JOINT REMOVAL



PLAN	STRIVEY	DATE
	NOTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	STRIVEY	DATE
	NOTED	
	GRADES	
	CHECKED	
	BY	
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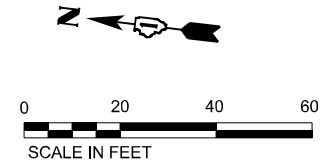
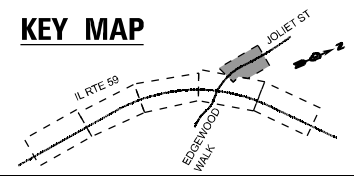
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS, REMOVALS AND UTILITIES PLAN  
IL ROUTE 59 AT JOLIET STEDGEWOOD WALK**

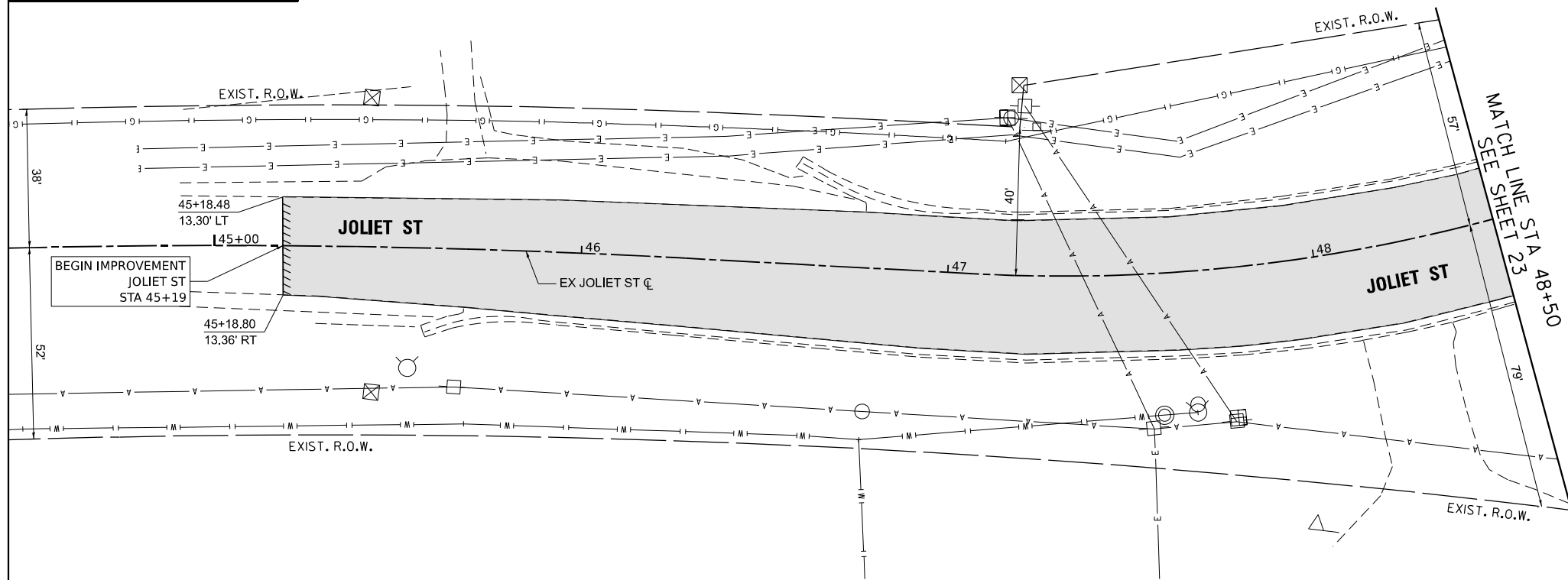
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F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY	TOTAL SHEETS 82	SHEET NO. 24
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

**KEY MAP**



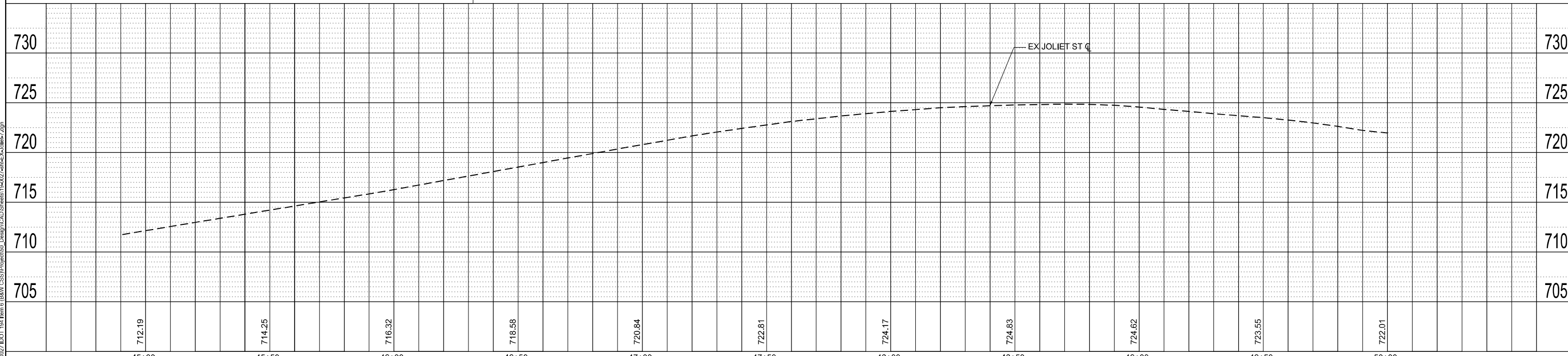
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	PLOTTED	
NOTE BOOK NO.	ALIGNMENT CHECKED	
	CADD FILE NAME	



PROFILE	STRIPPED	DATE
	PLOTTED	
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHRD	

**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.75"
- CURB OR CURB & GUTTER REMOVAL
- STRUCTURE TO BE ADJUSTED
- MEDIAN REMOVAL
- SHOULDER REMOVAL
- STRUCTURE TO BE REMOVED
- BUTT JOINT REMOVAL



USER NAME = MET	DESIGNED - ASH	REVISED -
PLOT SCALE = 40,000' / 1"	DRAWN - ASH	REVISED -
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	DATE - 06-2022	REVISED -

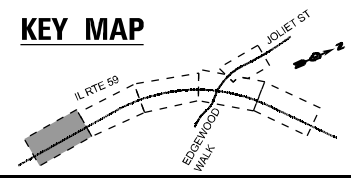
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS, REMOVALS AND UTILITIES PLAN  
IL ROUTE 59 AT JOLIET ST EDENWOOD WALK**

SCALE: 5V 20H SHEET OF SHEETS STA. TO STA.

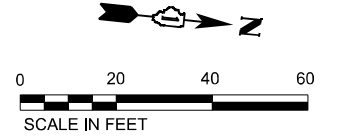
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CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

**KEY MAP**



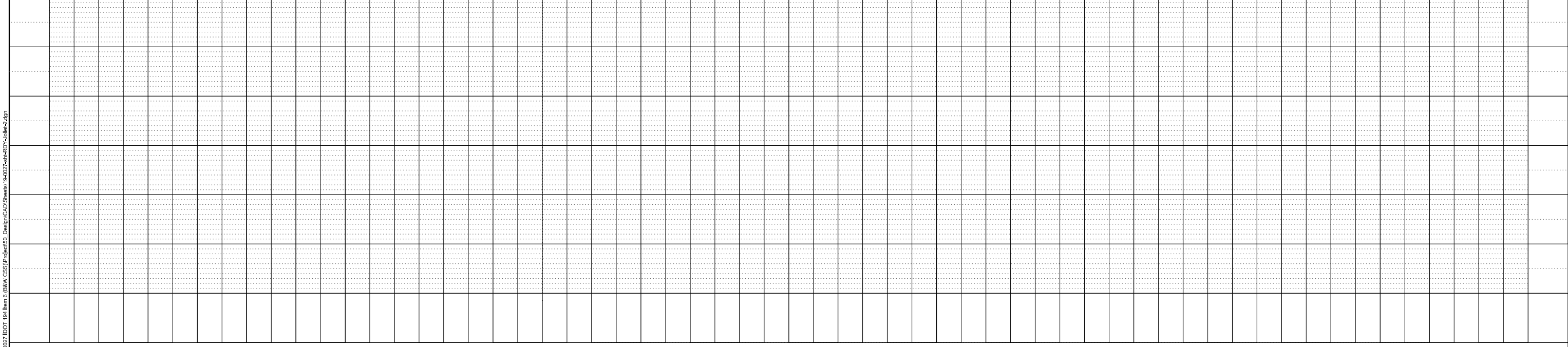
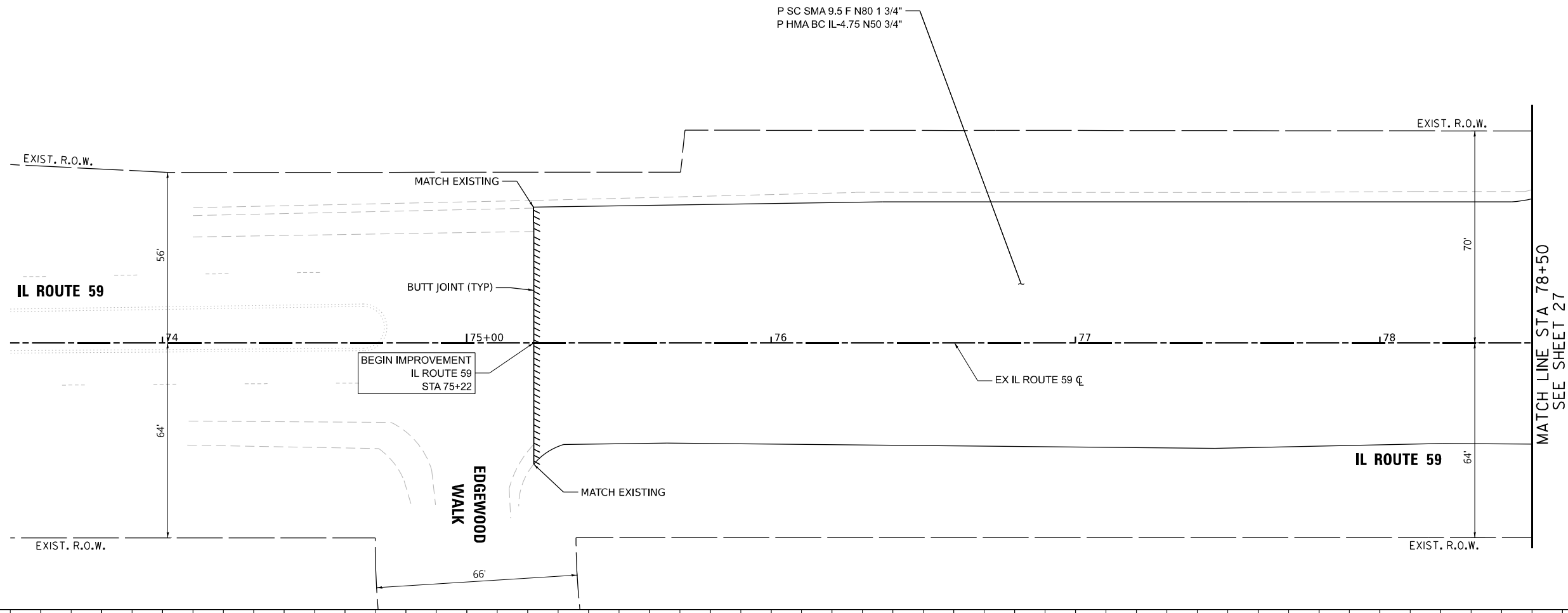
**LEGEND**

- PCC BASE COURSE WIDENING 10 1/2"
- HMA BASE COURSE 10 1/2" (WIDENING >= 6FT)



PLAN	STRIVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	ALIGNMENT CHECKED	
	CADD FILE NAME	

PROFILE	STRIVEYED	DATE
	PLOTTED	
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHRD	



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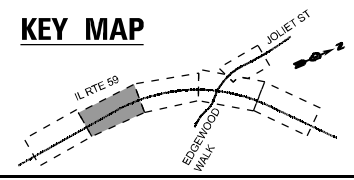
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>			
<b>IL ROUTE 59 AT JOLIET STEDGEWOOD WALK</b>			
SCALE: 5V 20H	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 26
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				



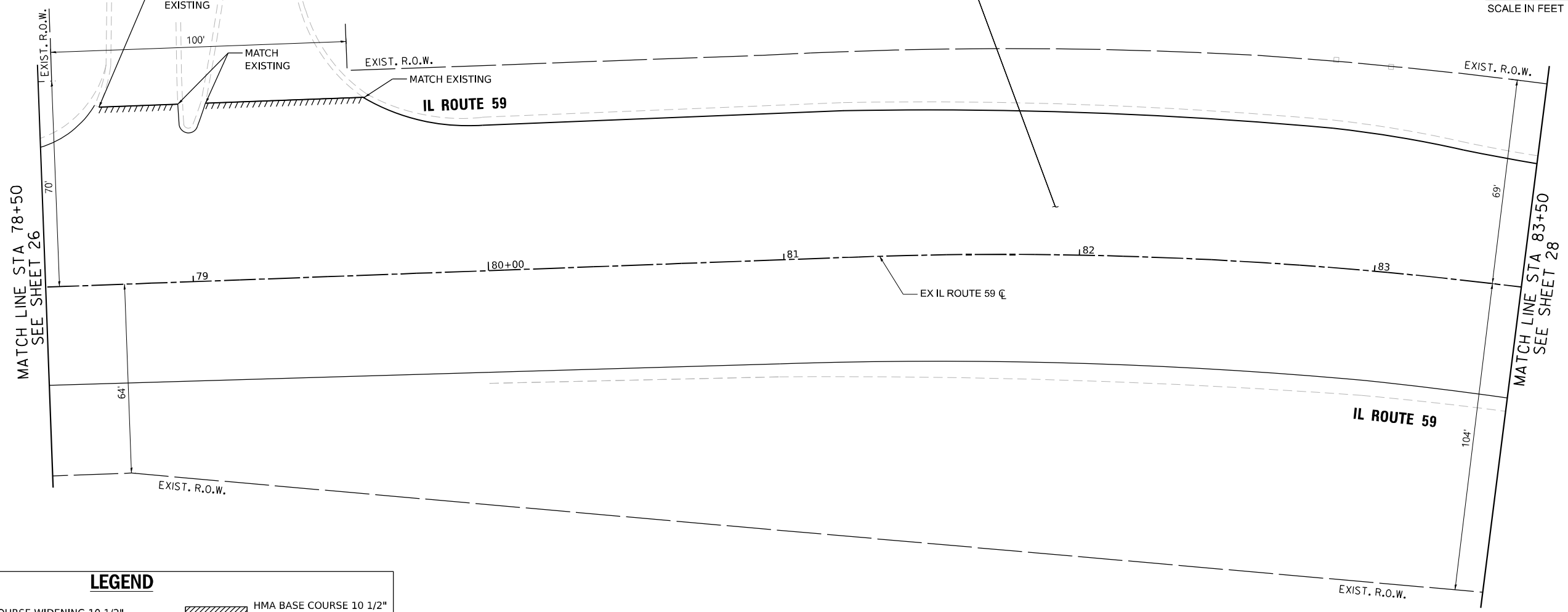
**KEY MAP**



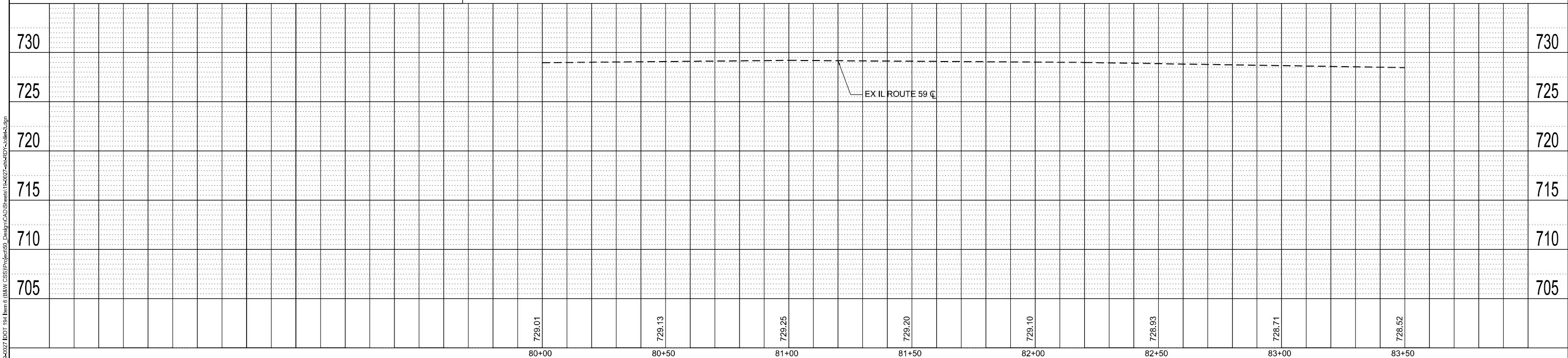
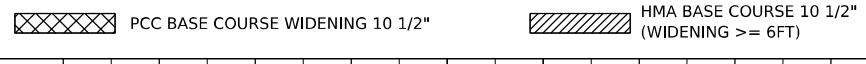
P SC SMA 9.5 F N80 1 3/4"  
P HMA BC IL-4.75 N50 3/4"

PLAN	DATE
STRIPPED	BY
PLOTTED	
ALIGNMENT CHECKED	
GRADE CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

PROFILE	DATE
STRIPPED	BY
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHKD	
NOTE BOOK NO.	
CADD FILE NAME	



**LEGEND**



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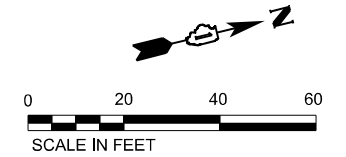
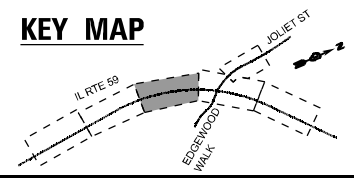
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

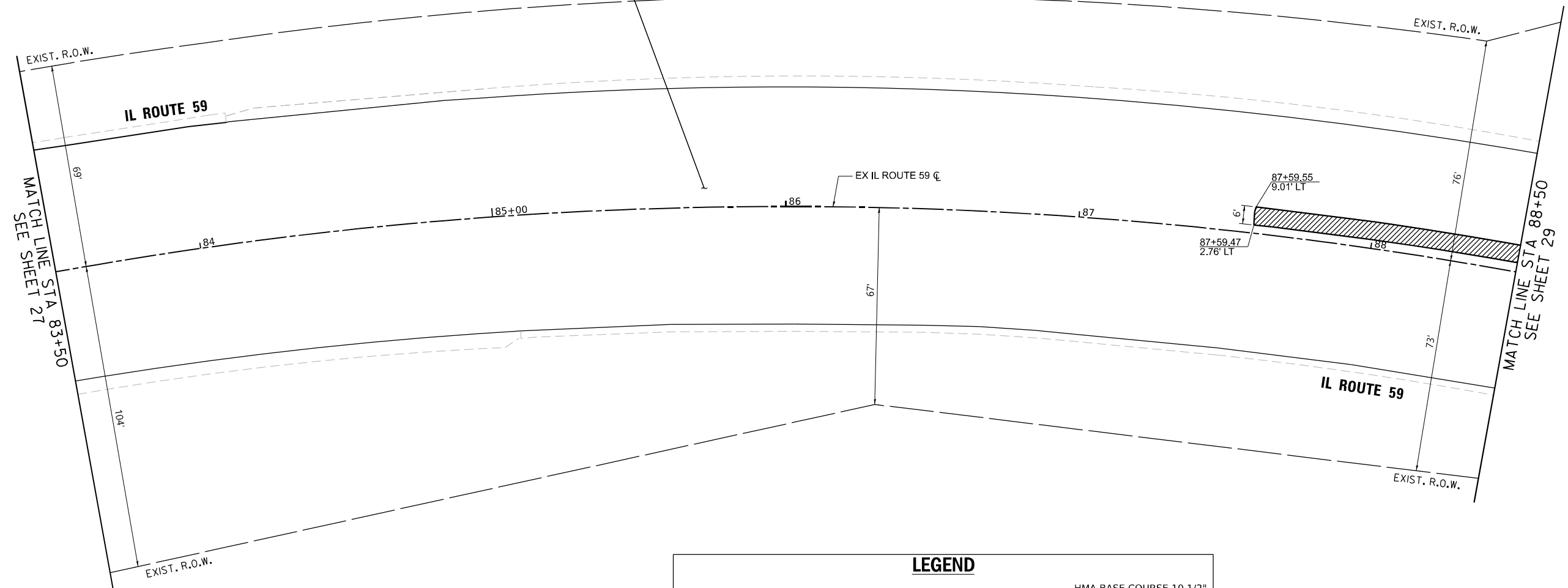
<b>ROADWAY PLAN</b>	
<b>IL ROUTE 59 AT JOLIET STEDGEWOOD WALK</b>	
SCALE: 5V 20H	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY	TOTAL SHEETS 82	SHEET NO. 27
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

**KEY MAP**

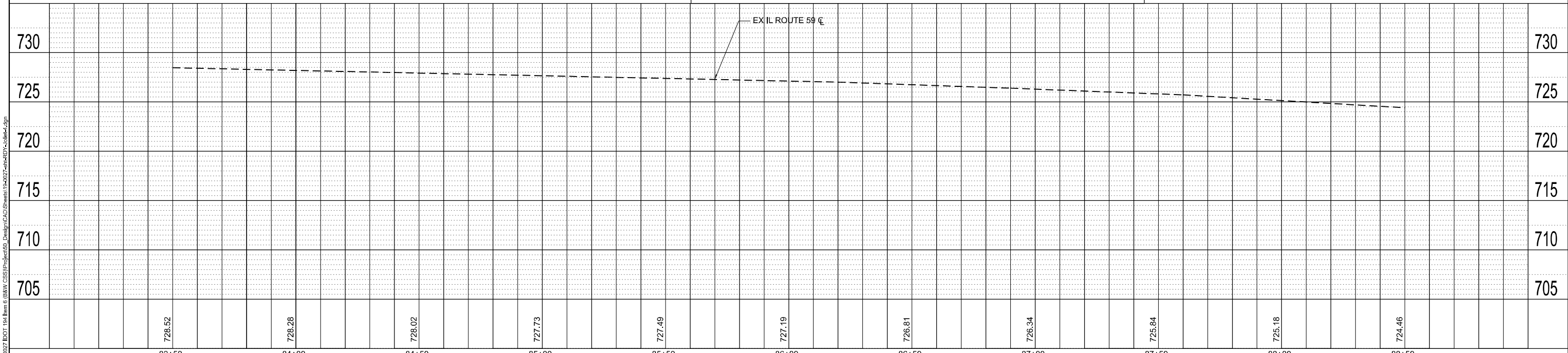


P SC SMA 9.5 F N80 1 3/4"  
P HMA BC IL-4.75 N50 3/4"



**LEGEND**

PCC BASE COURSE WIDENING 10 1/2"  
 HMA BASE COURSE 10 1/2" (WIDENING >= 6FT)



PLAN	DATE
SURVEYED _____ PLOTTED _____ ALIGNMENT CHECKED _____ GRADES CHECKED _____ CADD FILE NAME _____ NO. _____	BY _____ DATE _____

PROFILE	DATE
SURVEYED _____ PLOTTED _____ GRADES CHECKED _____ STRUCTURE NOTATIONS CHKD _____ NO. _____	BY _____ DATE _____

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728.52	728.28	728.02	727.73	727.49	727.19	726.81	726.34	725.84	725.18	724.46



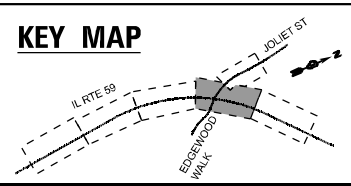
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PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROADWAY PLAN</b>	
<b>IL ROUTE 59 AT JOLIET STEDGEWOOD WALK</b>	
SCALE: 5V 20H	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY	TOTAL SHEETS 82	SHEET NO. 28
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

**KEY MAP**



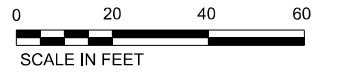
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PCC BASE COURSE WIDENING 10 1/2"

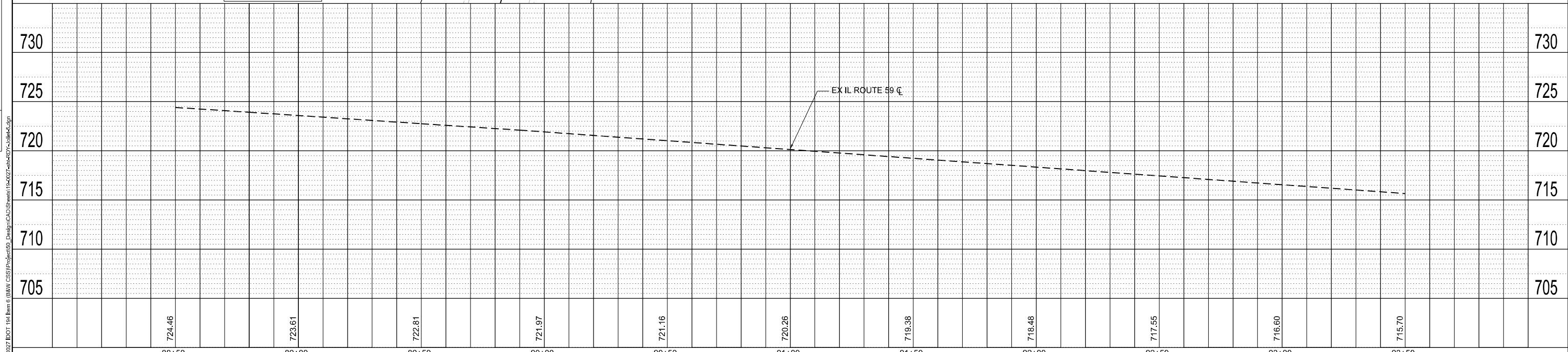
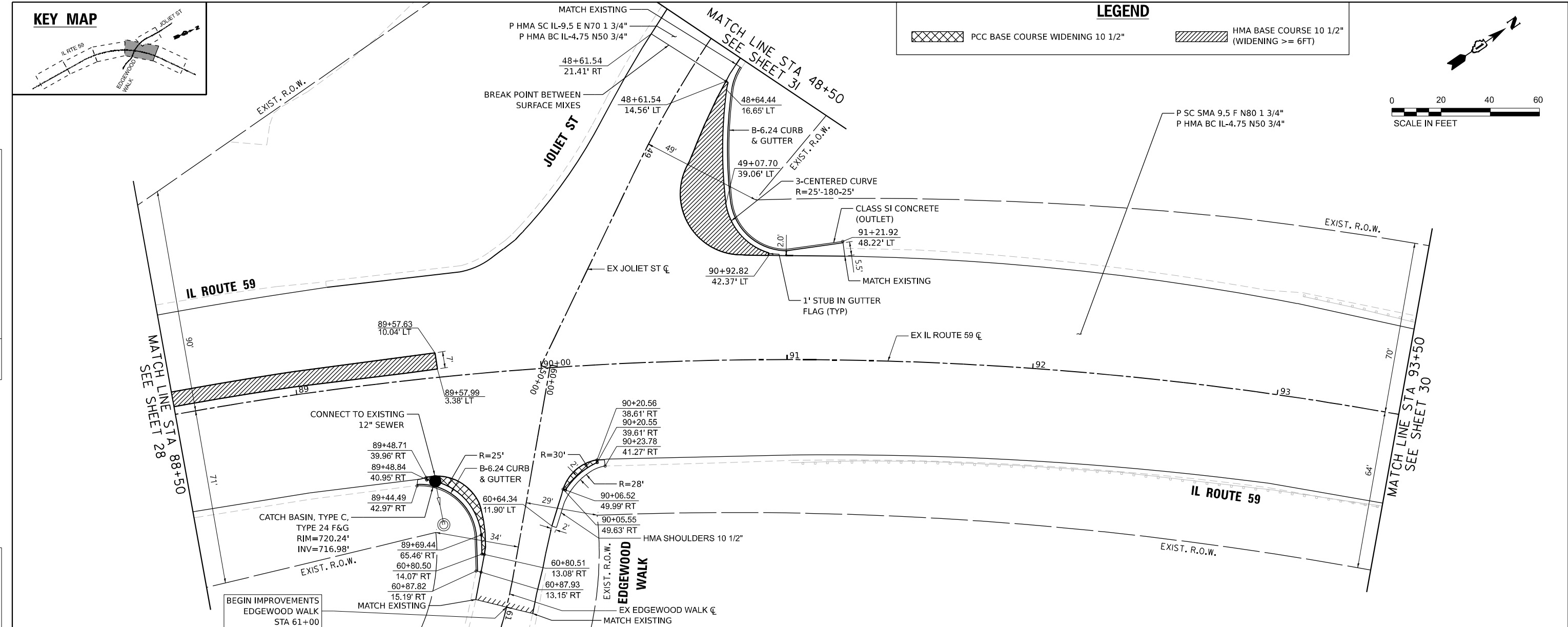


HMA BASE COURSE 10 1/2"  
(WIDENING >= 6FT)



DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PROFILE	
NO.	



88+50	89+00	89+50	90+00	90+50	91+00	91+50	92+00	92+50	93+00	93+50
724.46	723.61	722.81	721.97	721.16	720.26	719.38	718.48	717.55	716.60	715.70



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PLOT SCALE = 40,000' / 1"	DRAWN - ASH	REVISED -
PLOT DATE = 7/25/2022	CHECKED - JAC	REVISED -
	DATE - 07-2022	REVISED -

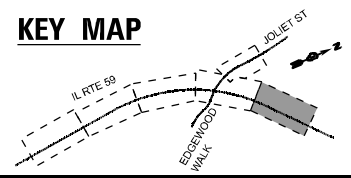
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN**  
**IL ROUTE 59 AT JOLIET ST EDGEWOOD WALK**

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CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

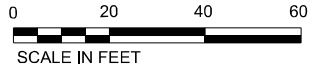
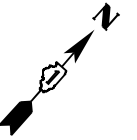
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**KEY MAP**



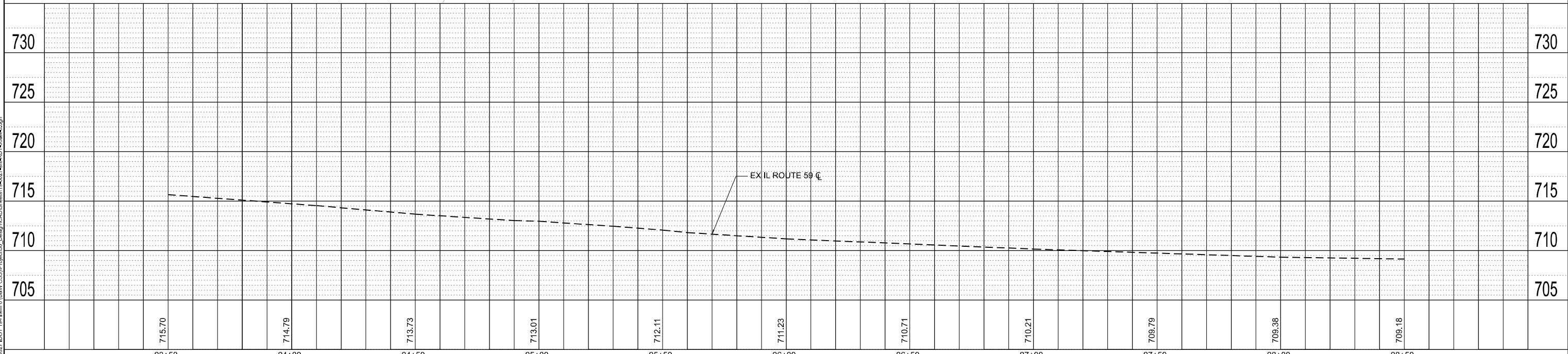
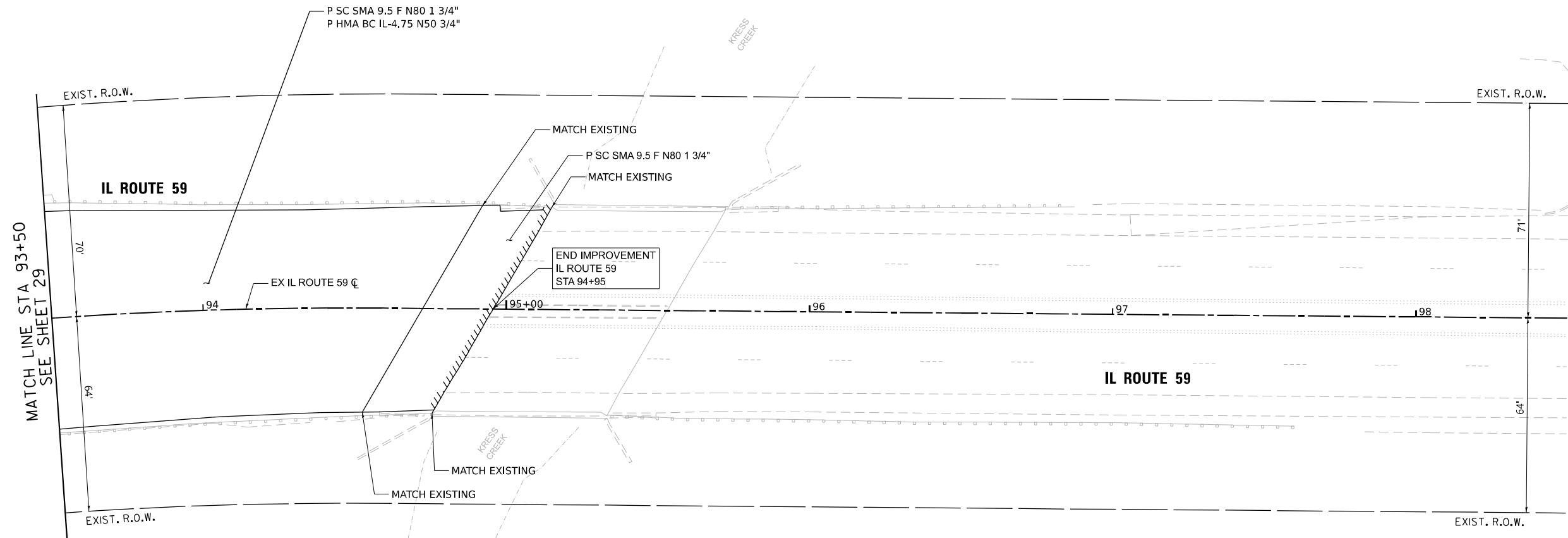
**LEGEND**

- PCC BASE COURSE WIDENING 10 1/2"
- HMA BASE COURSE 10 1/2" (WIDENING >= 6FT)



<b>PLAN</b>	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	

<b>PROFILE</b>	SURVEYED	DATE
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	GRADES CHECKED	
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	NOTE BOOK NO.	
	CADD FILE NAME	



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	CHECKED - JAC	REVISED -
	DATE - 07-2022	REVISED -

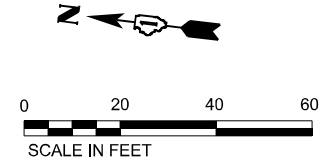
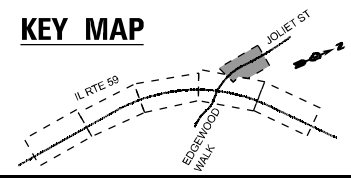
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL ROUTE 59 AT JOLIET STEDGEWOOD WALK**

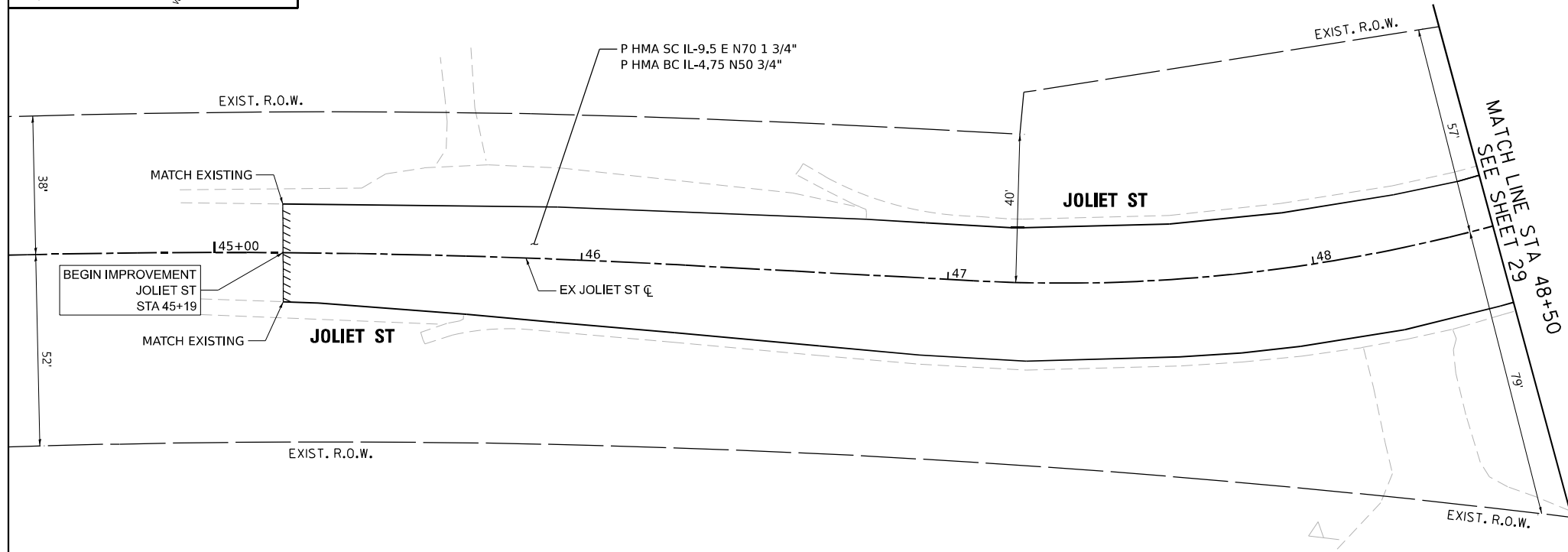
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N		82	30
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

SCALE: 5V 20H    SHEET    OF    SHEETS    STA.    TO STA.

**KEY MAP**



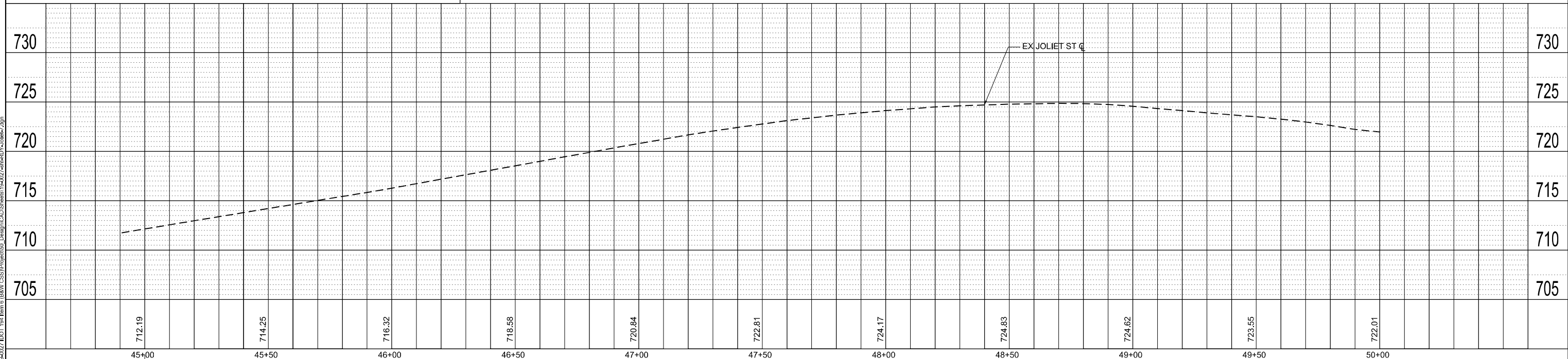
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	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	GRADE CHECKED	
	CADD FILE NAME	



PROFILE	STRIPPED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHRD	

**LEGEND**

- PCC BASE COURSE WIDENING 10 1/2"
- HMA BASE COURSE 10 1/2" (WIDENING >= 6FT)



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PLOT SCALE = 40,000' / in.	DRAWN - ASH	REVISED -
PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
IL ROUTE 59 AT JOLIET ST EDENWOOD WALK**

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 31
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

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## MAINTENANCE OF TRAFFIC – GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. PRIOR TO START OF CONSTRUCTION, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO ANY ANTICIPATED CLOSURES.
4. CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL COMMERCIAL AND RESIDENTIAL ENTRANCES AT ALL TIMES UNLESS OTHERWISE SHOWN ON THE PLANS.
5. IF FULL CLOSURE OF AN ENTRANCE IS REQUIRED, IT MUST BE VIA WRITTEN AGREEMENT BETWEEN THE CONTRACTOR AND THE LAND OWNER.
6. ANY RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL UTILIZE IDOT HIGHWAY STANDARDS TO REMOVE AND PAVE OVER THE EXISTING RAISED MEDIAN BETWEEN STA 87+59 TO STA 89+58. CONTRACTOR IS TO BACKFILL ANY EXCAVATED AREAS AT THE END OF EACH WORK DAY TO ELIMINATE ANY DROP-OFF. CLOSURES ARE TO BE COMPLETED ONLY DURING THE ALLOWABLE HOURS.
8. THE CONTRACTOR SHALL FURNISH ALL SIGNS.
9. "WORK ZONE SPEED LIMIT" (WZSL) & "END WORK ZONE SPEED LIMIT" SIGNS SHALL BE PROVIDED AND PAID FOR AS TEMPORARY INFORMATION SIGNING. SEE WZSL DIAGRAM BELOW. REPEAT THE SIGN SETUP FOR BOTH DIRECTIONS OF TRAVEL.

## SUGGESTED STAGING SEQUENCE – IL RTE 59 & JOLIET ST/EDGEWOOD WALK

### PRESTAGE:

1. SET UP TEMPORARY TRAFFIC SIGNAL SYSTEM.
2. INSTALL EROSION CONTROL DEVICES AS REQUIRED PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITIES.

### STAGE 1:

1. SET UP LANE CLOSURES TO COMPLETE MEDIAN REMOVAL AND PROPOSED PAVEMENT REPLACEMENT.
2. BACKFILL ANY EXCAVATED AREAS AT THE END OF EACH DAY TO ELIMINATE ANY DROP-OFF.

### STAGE 2:

1. SET UP LANE CLOSURES TO COMPLETE PAVEMENT RESURFACING ON THE NORTHBOUND LANES OF IL ROUTE 59.
2. MILL & OVERLAY IN SECTIONS UTILIZING DAYTIME TEMPORARY CLOSURES, KEEPING ONE NORTHBOUND LANE OPEN AT ALL TIMES.

### STAGE 2A:

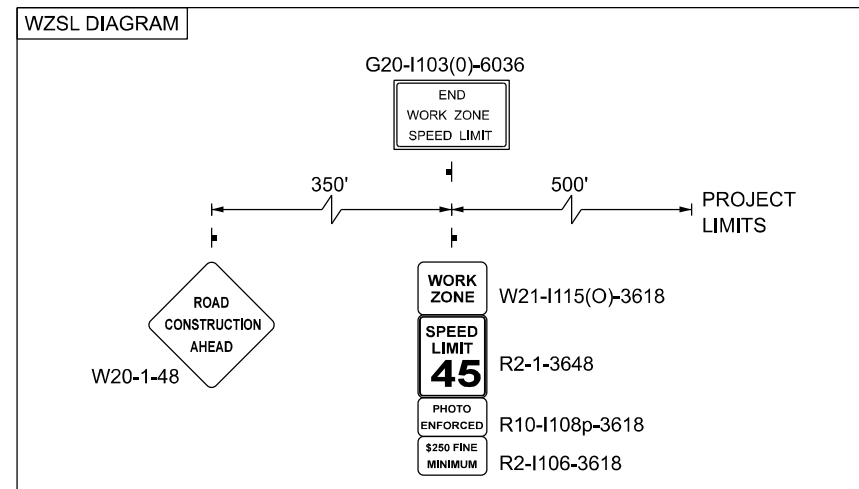
1. SET UP LANE CLOSURES TO COMPLETE PAVEMENT WIDENING FOR THE SE QUADRANT.
2. SAWCUT AND REMOVE EXISTING CURB & GUTTER IN THE SE QUADRANT.
3. REMOVE EXISTING INLET.
4. CONSTRUCT PAVEMENT WIDENING AND NEW CURB & GUTTER.
5. INSTALL NEW CATCH BASIN WITHIN NEW GUTTER BY ATTACHING TO EXISTING SEWER.

### STAGE 2B:

1. SET UP LANE CLOSURES TO COMPLETE PAVEMENT WIDENING IN THE NE QUADRANT.
2. CONSTRUCT PAVEMENT WIDENING AND NEW CURB & GUTTER.

### STAGE 3:

1. SET UP LANE CLOSURES TO COMPLETE PAVEMENT RESURFACING ON THE SOUTHBOUND LANES OF IL ROUTE 59.
2. MILL & OVERLAY IN SECTIONS UTILIZATING DAYTIME TEMPORARY CLOSURES, KEEPING ONE SOUTHBOUND LANE OPEN AT ALL TIMES.
3. SET UP LANE SHIFTS AND CLOSURES TO COMPLETE PAVEMENT WIDENING FOR THE NW QUADRANT.
4. SAWCUT AND REMOVE EXISTING CURB & GUTTER IN THE NW QUADRANT.
5. CONSTRUCT PAVEMENT WIDENING AND NEW CURB & GUTTER.



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PLOT DATE = 6/10/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC  
GENERAL NOTES AND SEQUENCE OF CONSTRUCTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	32
CONTRACT NO. 62P22				
ILLINOIS			FED. AID PROJECT	

**TEMPORARY EROSION CONTROL NOTES:**

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
  - A) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
2. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
3. THE QUANTITIES SHOWN FOR ALL EROSION CONTROL MEASURES INCLUDE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE MEASURE.
4. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION. DURING THE WINTER MONTHS, EROSION CONTROL MEASURES WILL ALSO BE INSPECTED AFTER SIGNIFICANT SNOW MELT EVENTS.
5. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
6. AS WORK PROGRESSES, ALL SLOPES 3:1 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR 14 DAYS OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN ONE (1) CALENDAR DAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "INLET FILTERS".
8. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
9. ANY SOIL, MUD, OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.
10. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD 280001). IN AREAS OF CONCENTRATED FLOW, TEMPORARY DITCH CHECKS ARE A SUITABLE ALTERNATIVE IN PLACE OF THE SILT FENCE.
11. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.
12. RECEPTACLES FOR CONSTRUCTION DEBRIS INCLUDING CONCRETE TRUCK WASHOUT WASTE, SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. RECEPTACLES AND THEIR LOCATIONS MUST BE APPROVED BY THE ENGINEER AND HAVE PROPER EROSION CONTROL MEASURES. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE APPLICABLE ITEMS OF WORK.
13. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
14. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
15. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (<http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>).

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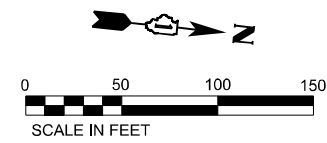
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	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

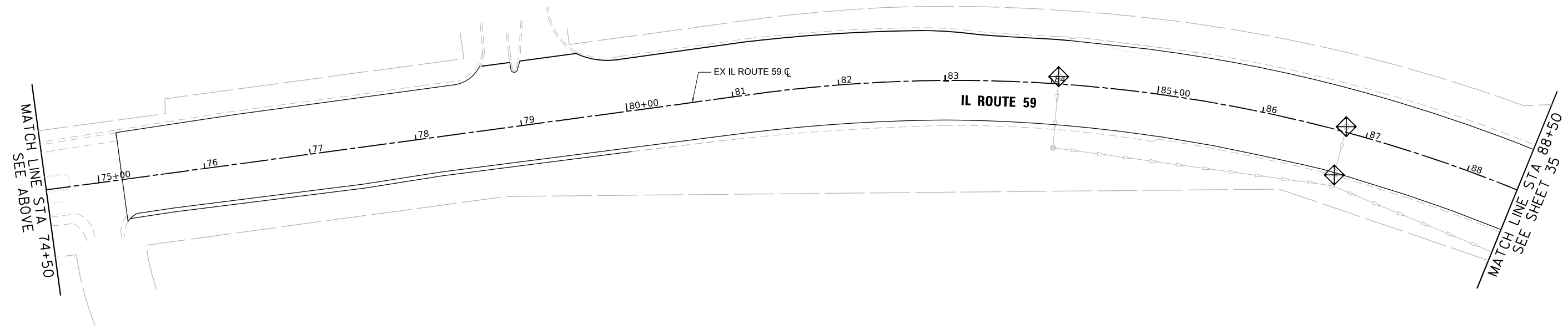
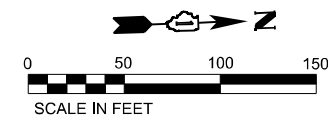
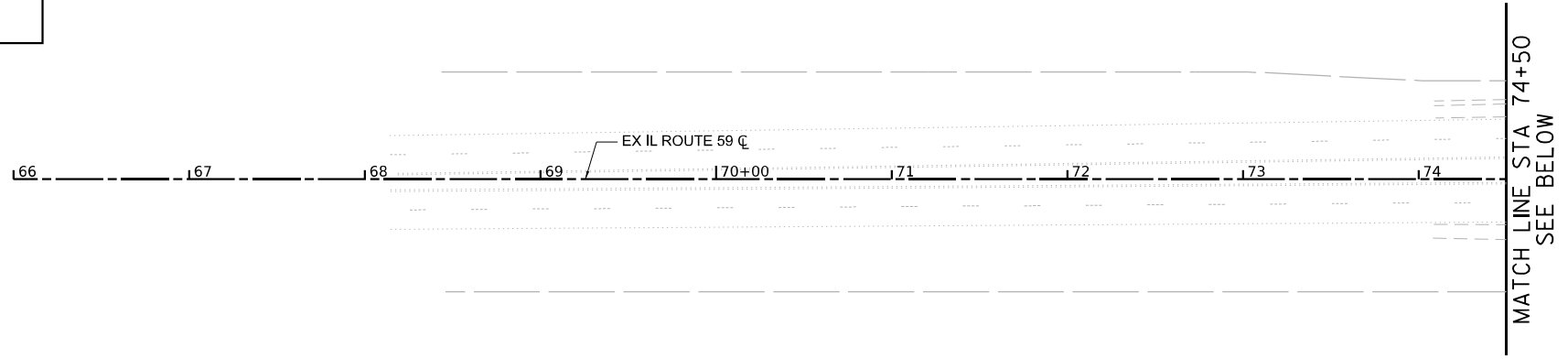
**TEMPORARY EROSION CONTROL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	33
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	



LEGEND	
	PERIMETER EROSION BARRIER
	INLET FILTER
	TEMPORARY DITCH CHECK
	TOPSOIL, FURNISH AND PLACE, 4" SEEDING, CLASS 2A W/ FERTILIZER, EROSION CONTROL BLANKET



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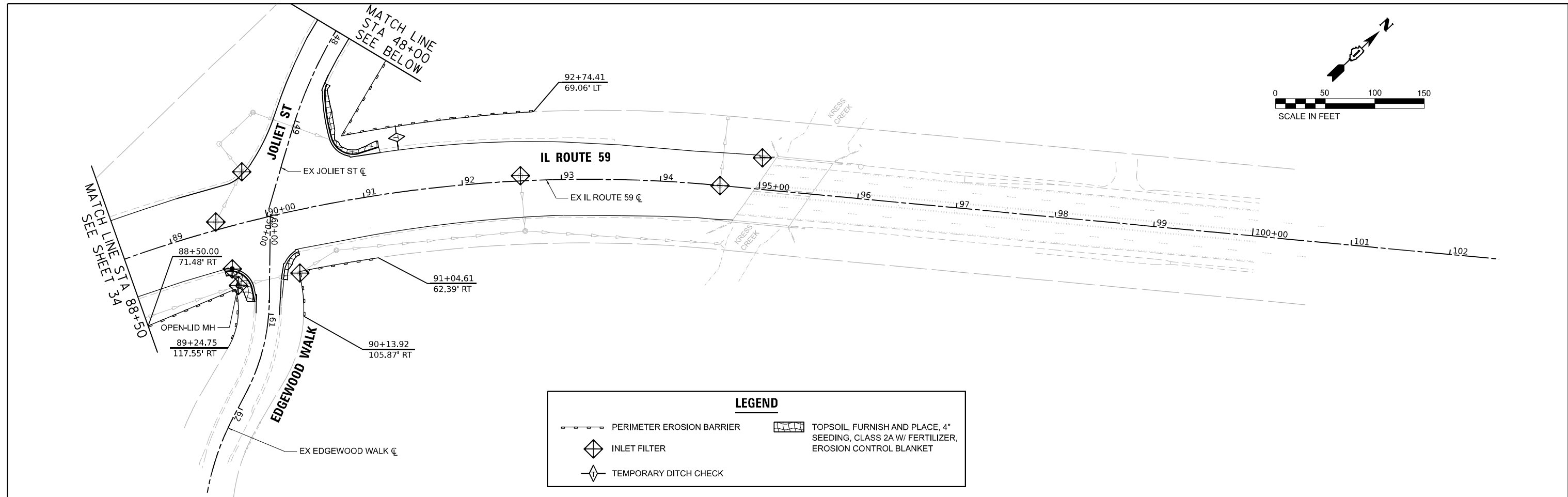
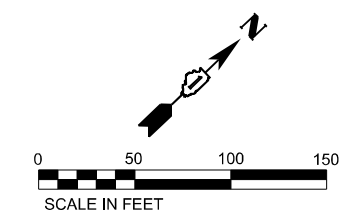
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

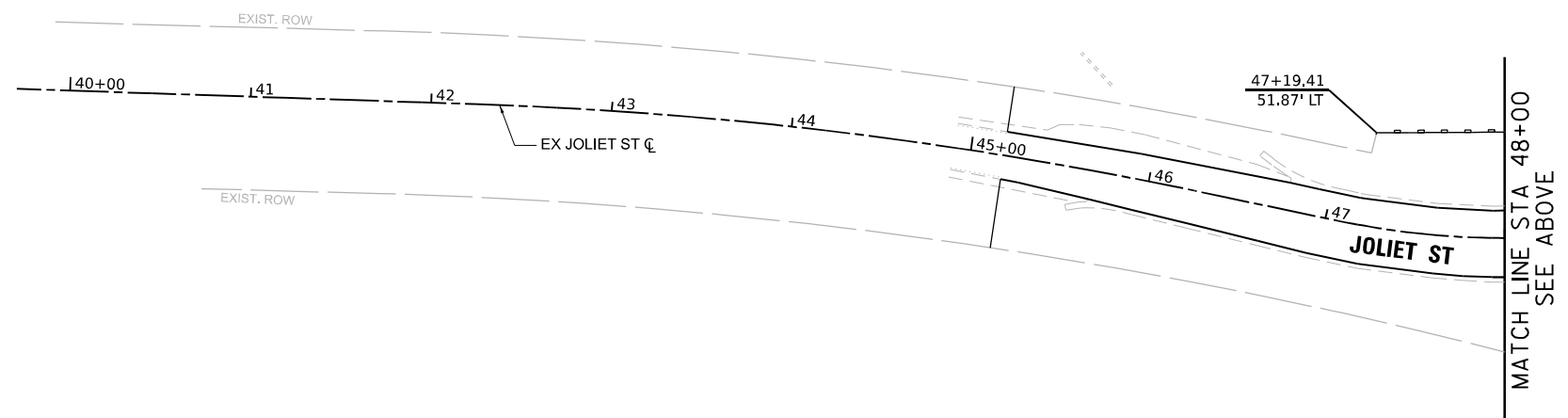
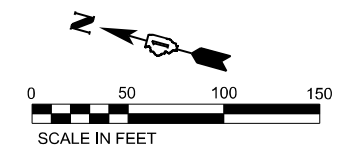
TEMPORARY EROSION CONTROL PLAN			
IL ROUTE 59			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	34
CONTRACT NO. 62P22				
ILLINOIS		FED. AID PROJECT		





LEGEND	
	PERIMETER EROSION BARRIER
	INLET FILTER
	TEMPORARY DITCH CHECK
	TOPSOIL, FURNISH AND PLACE, 4" SEEDING, CLASS 2A W/ FERTILIZER, EROSION CONTROL BLANKET



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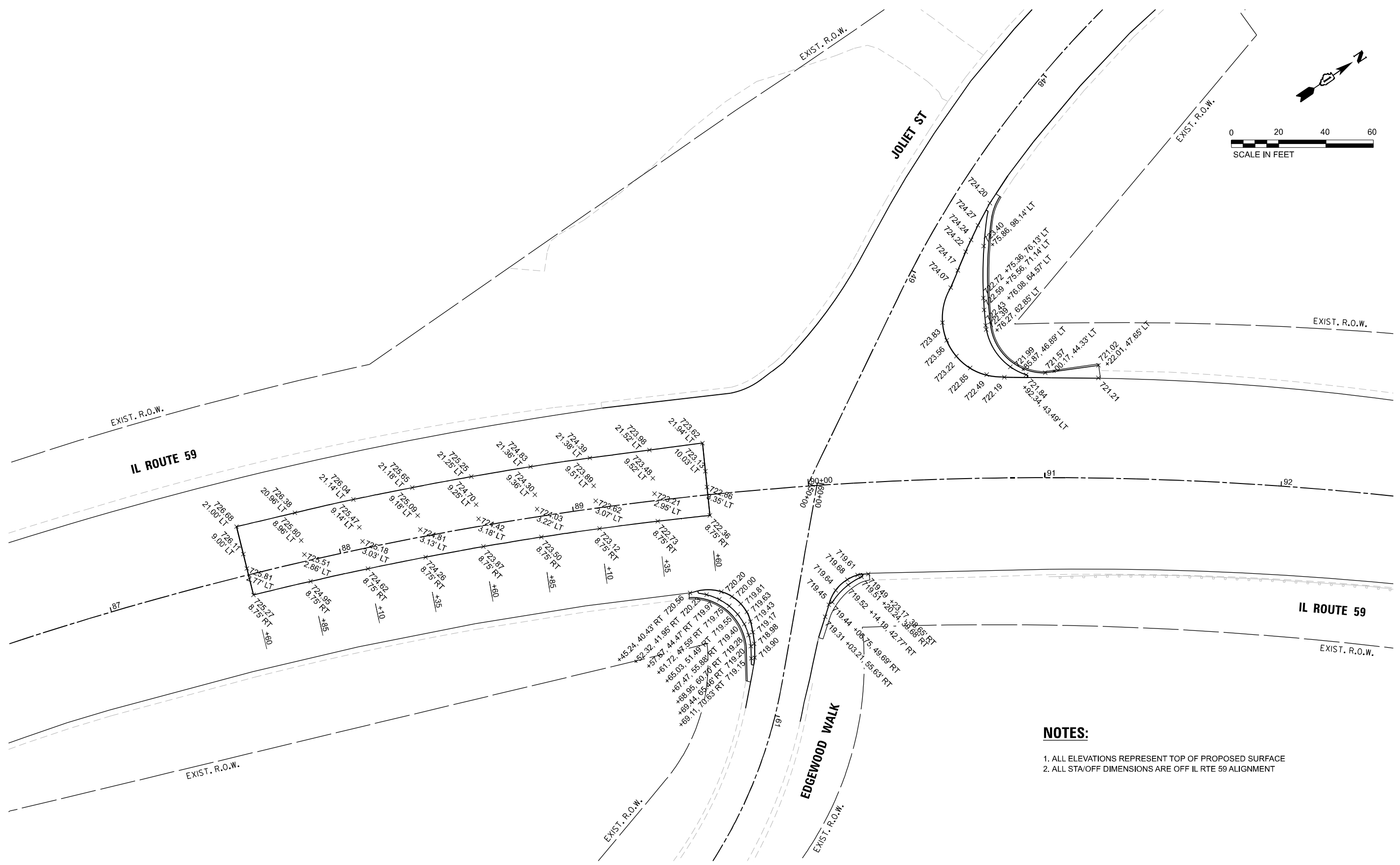
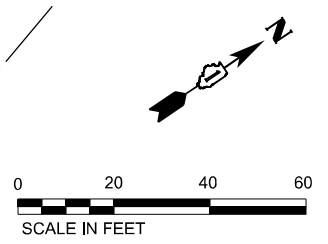
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY EROSION CONTROL PLAN</b> <b>IL ROUTE 59</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 35
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. ALL ELEVATIONS REPRESENT TOP OF PROPOSED SURFACE
2. ALL STA/OFF DIMENSIONS ARE OFF IL RTE 59 ALIGNMENT

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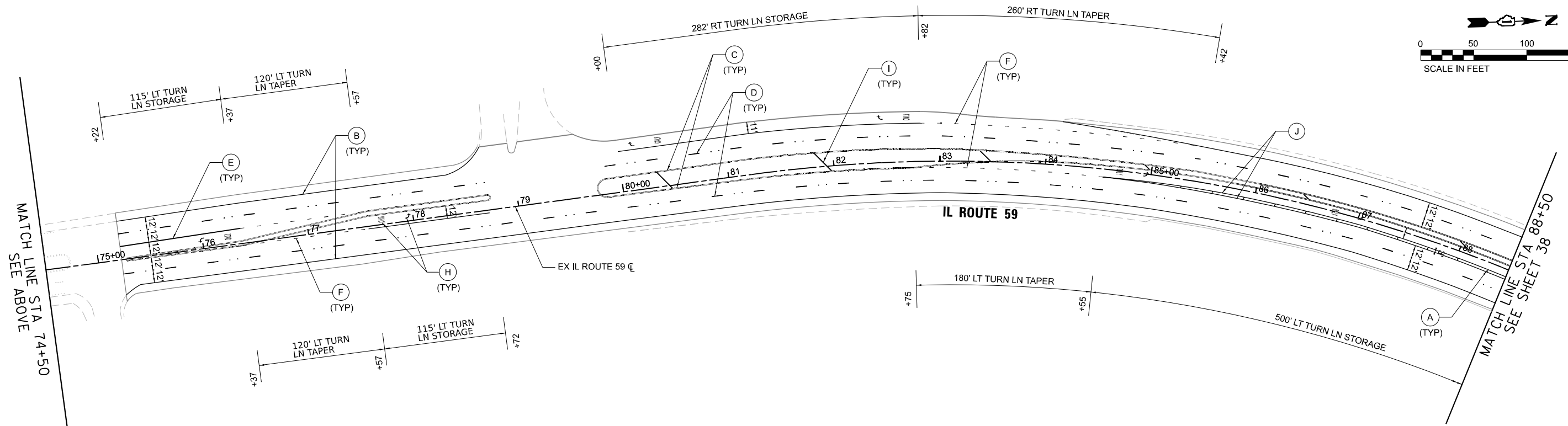
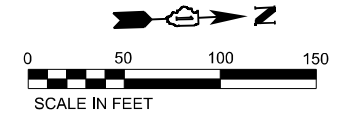
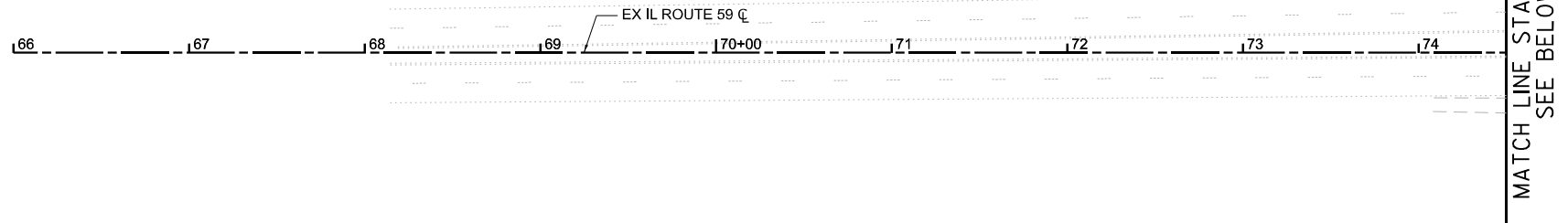
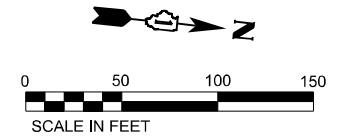
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>INTERSECTION GRADING DETAILS</b> <b>IL ROUTE 59 AT JOLIET STEDEWOOD WALK</b>			
SCALE: 1"=20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 36
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING LEGEND**

- (A) PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" CHEVRONS, WHITE (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING EDGE LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING EDGE LINE 6", WHITE (TYP.)
- (F) PROP. THERMOPLASTIC PAVEMENT MARKING - 6", 2' DASH - 6' SKIP, WHITE (TYP.)
- (G) PROP. THERMOPLASTIC PAVEMENT MARKING STOP BAR - LINE 24", WHITE (TYP.)
- (H) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE (TYP.)
- (I) PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" @ 150' C-C, DIAGONALS, YELLOW (TYP.)
- (J) PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 8", WHITE (TYP.)



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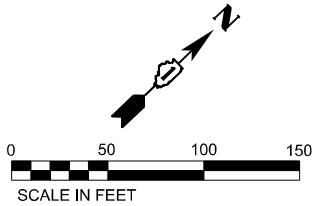
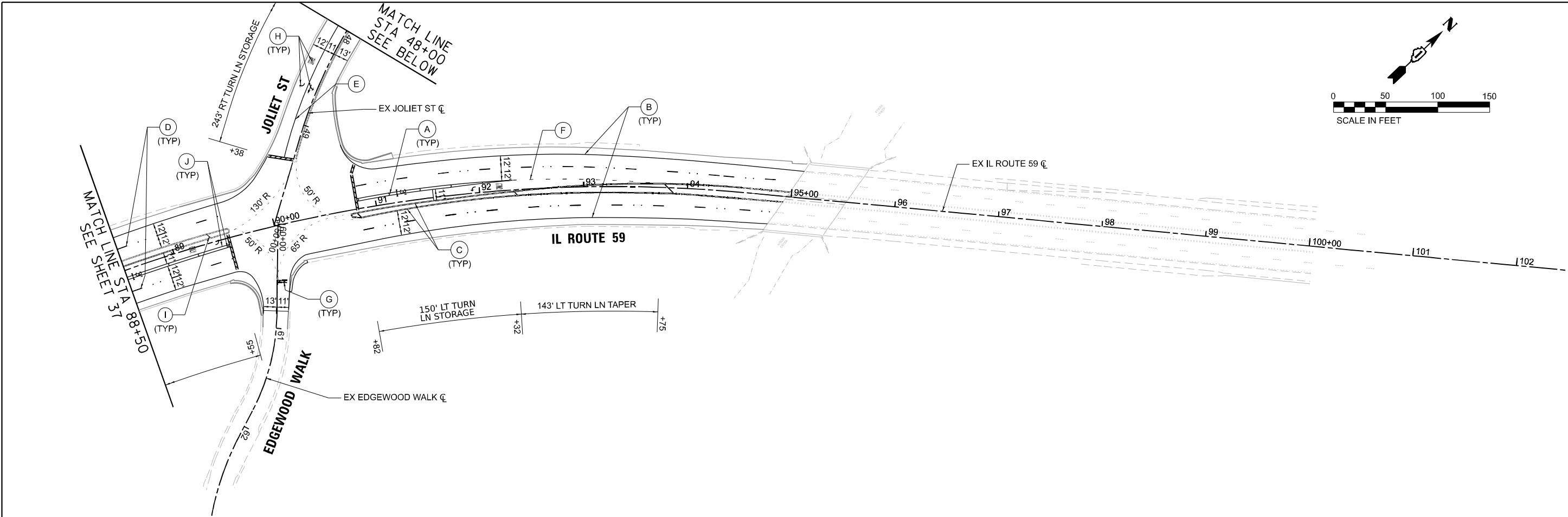


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

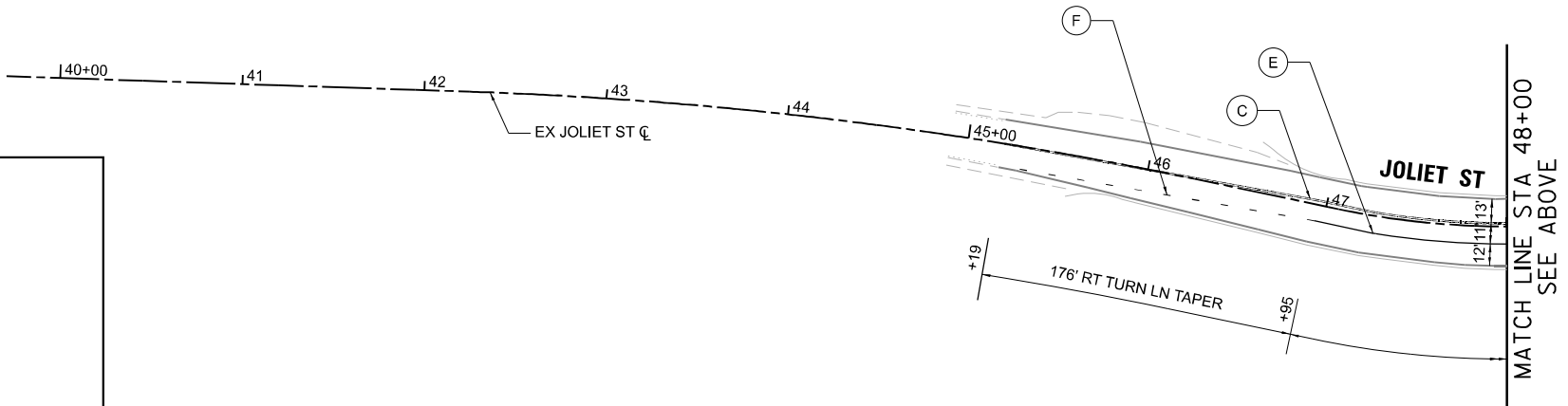
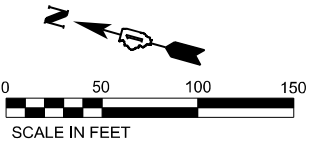
<b>PAVEMENT MARKING PLAN</b>			
<b>IL ROUTE 59</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 37
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	



MATCH LINE STA 48+00 SEE BELOW

MATCH LINE SEE SHEET STA 88+50



PAVEMENT MARKING LEGEND	
(A)	PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" CHEVRONS, WHITE (TYP.)
(B)	PROP. THERMOPLASTIC PAVEMENT MARKING EDGE LINE 4", WHITE (TYP.)
(C)	PROP. THERMOPLASTIC PAVEMENT MARKING DOUBLE LINES 4" @ 11" C-C, YELLOW (TYP.)
(D)	PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 4", 10' DASH - 30' SKIP, WHITE (TYP.)
(E)	PROP. THERMOPLASTIC PAVEMENT MARKING EDGE LINE 6", WHITE (TYP.)
(F)	PROP. THERMOPLASTIC PAVEMENT MARKING - 6", 2' DASH - 6' SKIP, WHITE (TYP.)
(G)	PROP. THERMOPLASTIC PAVEMENT MARKING STOP BAR - LINE 24", WHITE (TYP.)
(H)	PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, WHITE (TYP.)
(I)	PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 12" @ 150' C-C, DIAGONALS, YELLOW (TYP.)
(J)	PROP. THERMOPLASTIC PAVEMENT MARKING - LINE 8", WHITE (TYP.)

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	DATE - 07-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN</b>			
<b>IL ROUTE 59</b>			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 38
CONTRACT NO. 62P22				
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	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	  	  
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	   	   
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
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								

TS SHT NO. 1

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PLOT DATE = 6/9/2022	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

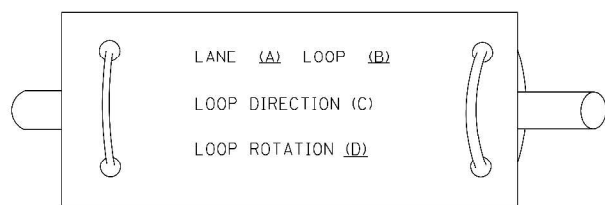
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F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY TS-05	TOTAL SHEETS 82	SHEET NO. 39
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

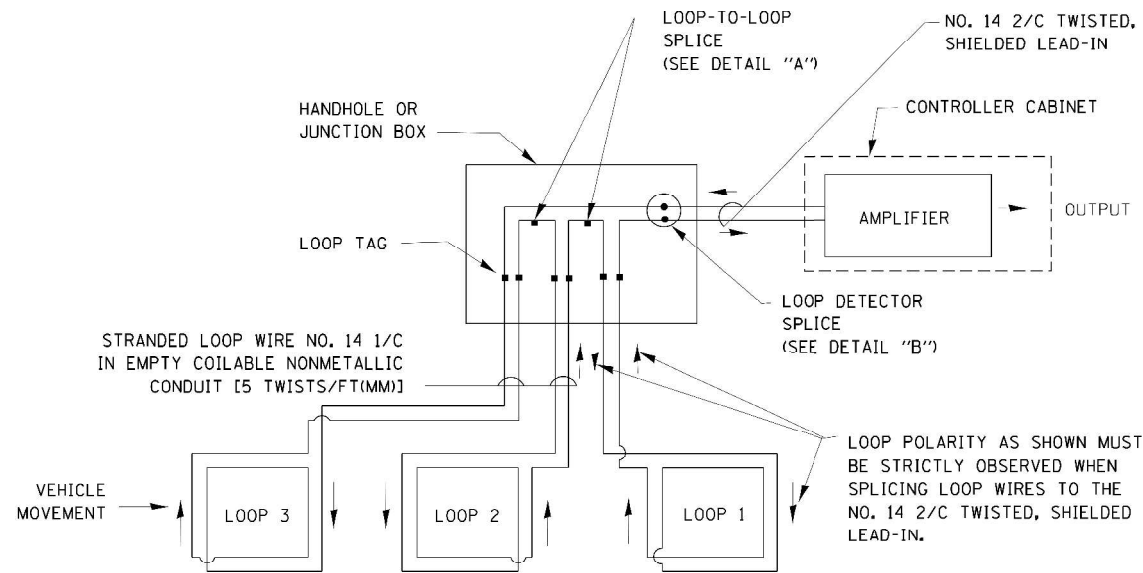
**LOOP DETECTOR NOTES**

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES 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.
- 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.
- 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**

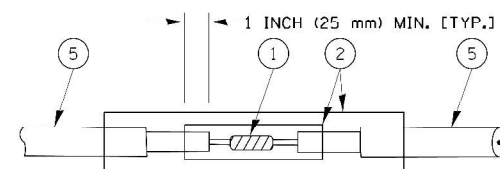


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

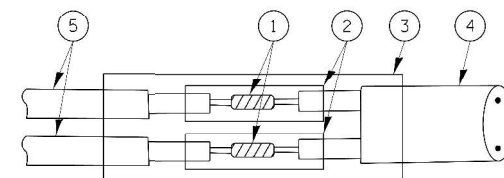


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

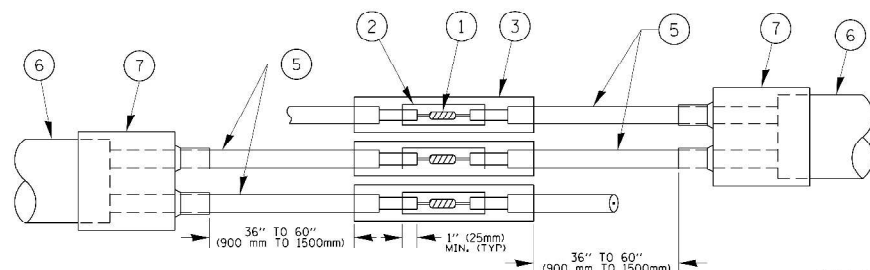


DETAIL "A"  
LOOP-TO-LOOP SPLICE

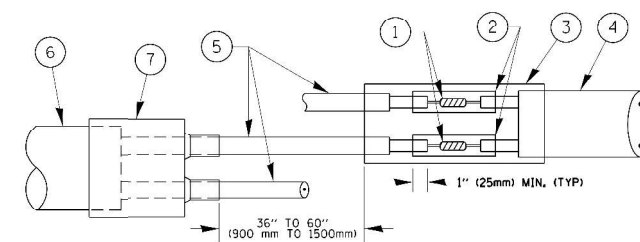


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- PREFORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

TS SHT NO. 2

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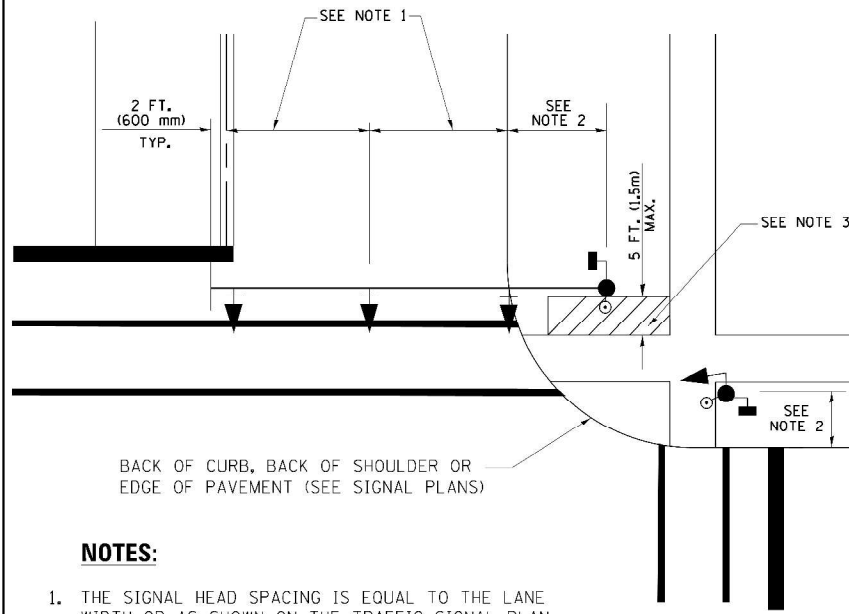
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 40
TS-05		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				

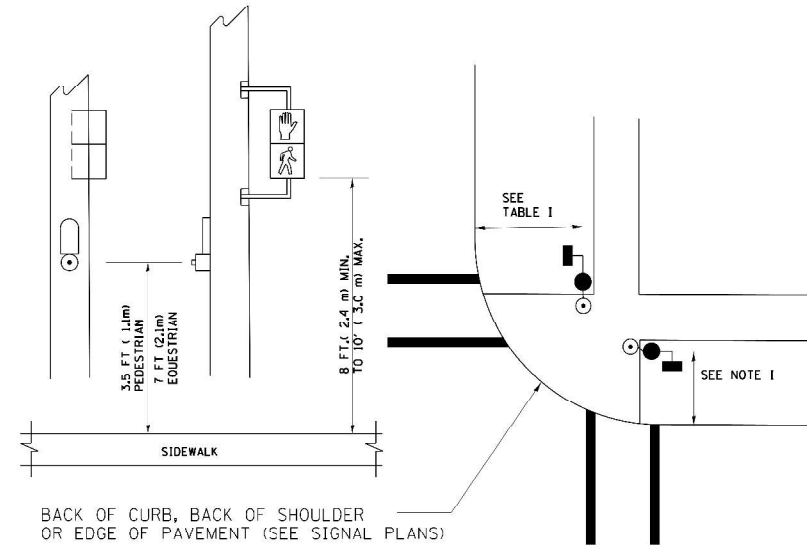
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**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."

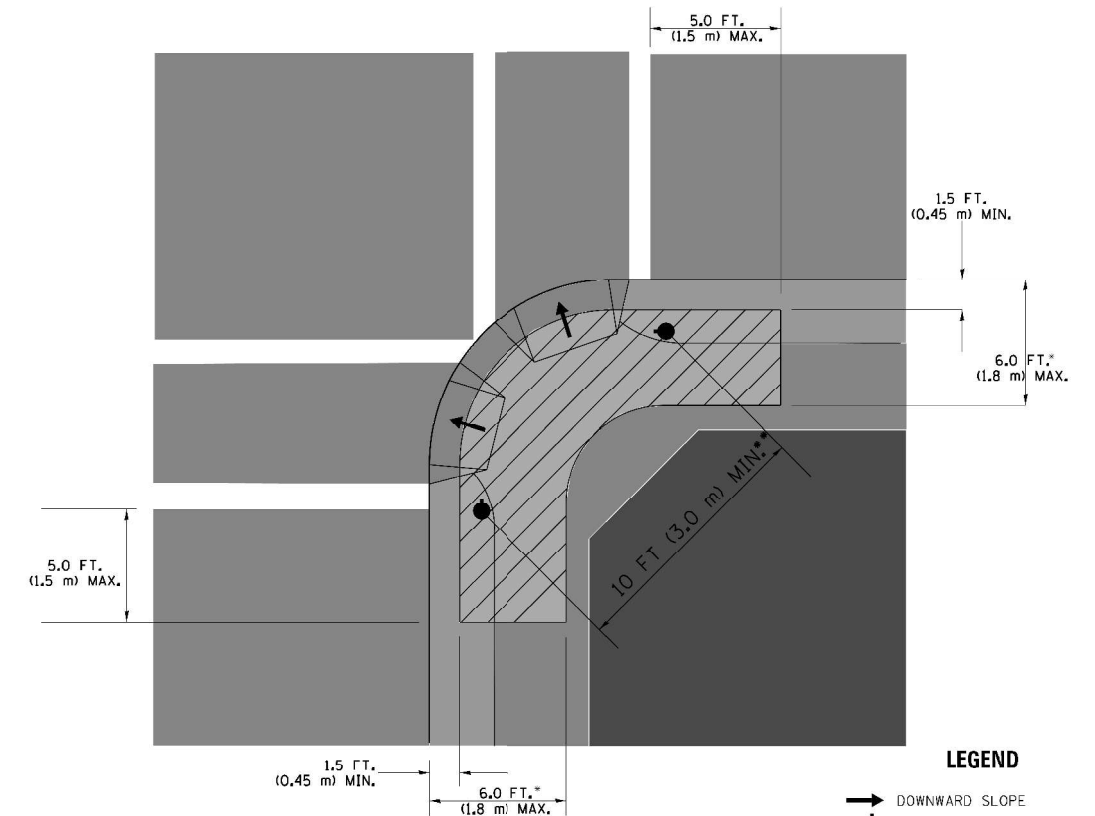
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**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) SEPARATION 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 AFFECT 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.

TS SHT NO. 3

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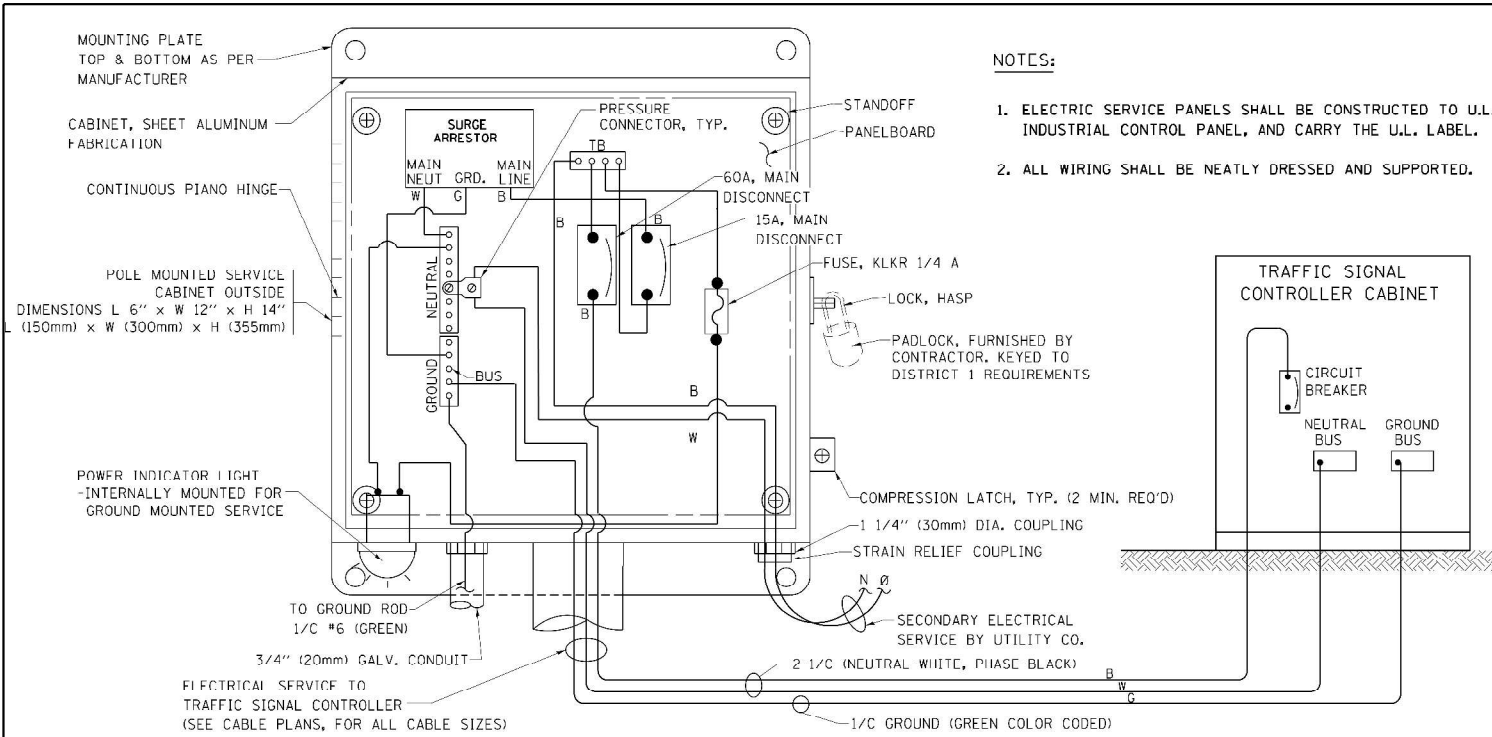
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

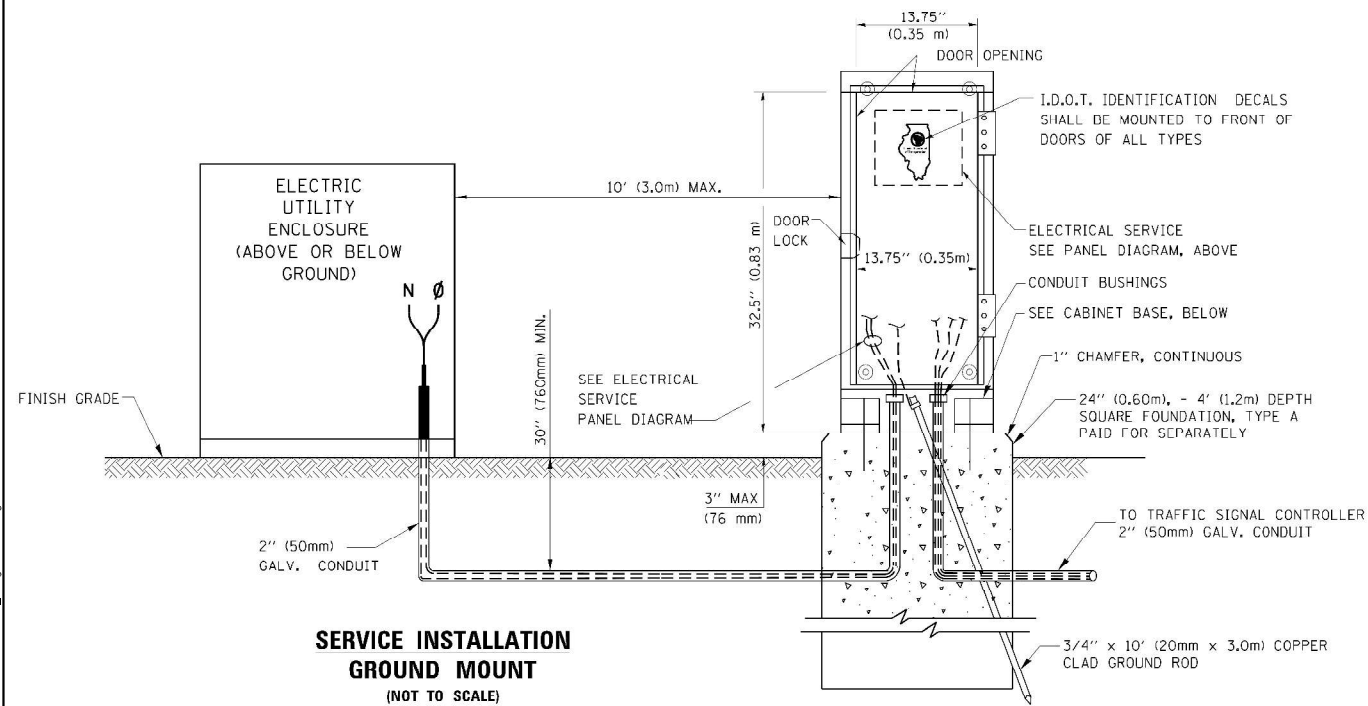
**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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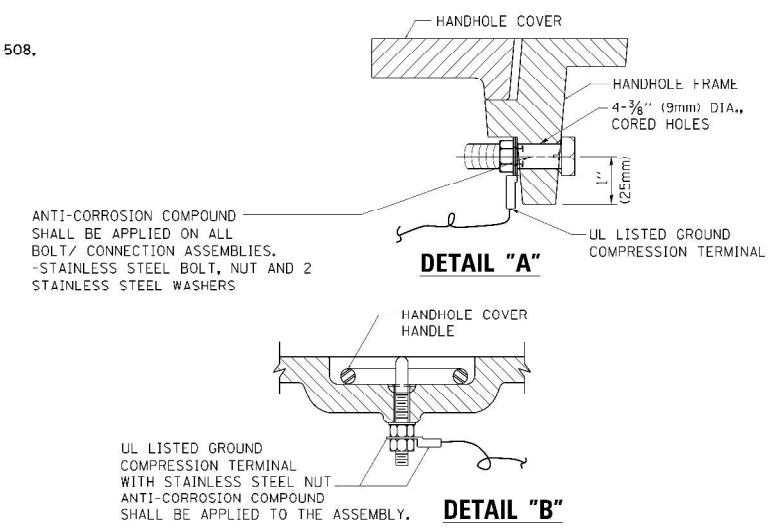
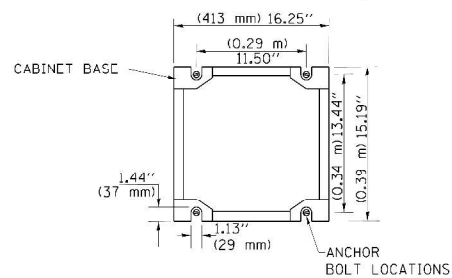
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TS-05		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				



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

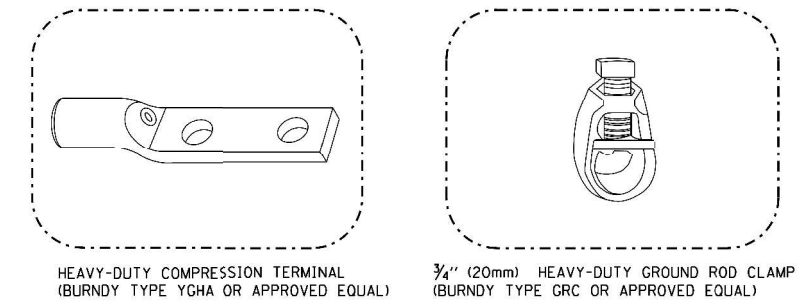
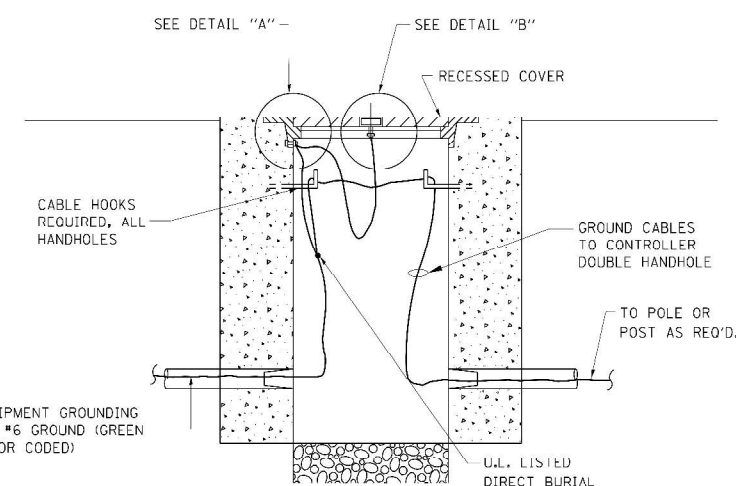


**CABINET – BASE BOLT PATTERN (NOT TO SCALE)**



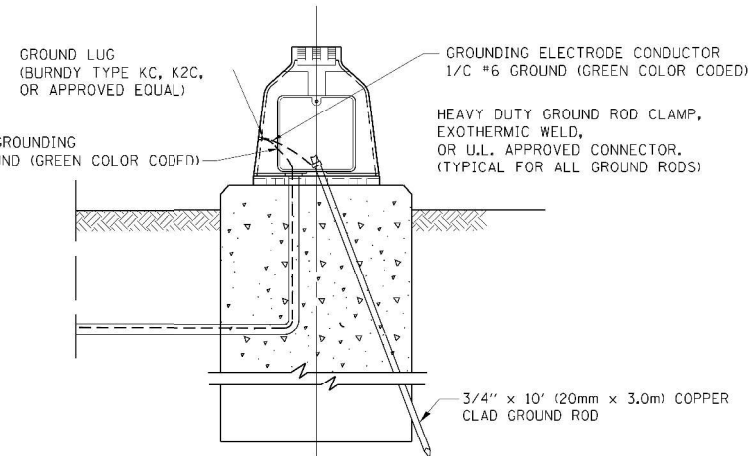
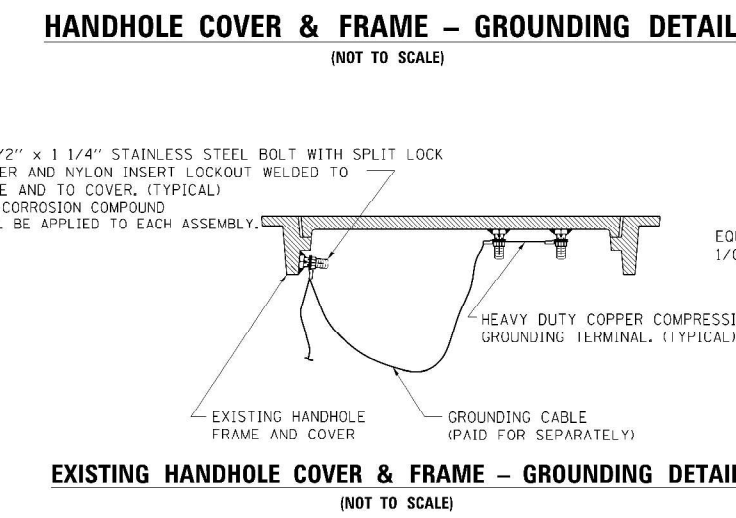
**NOTES:  
GROUNDING SYSTEM**

- 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.



TS SHT NO. 4

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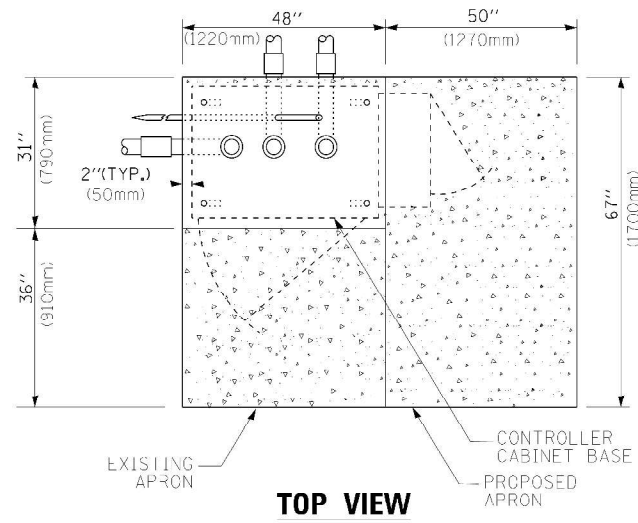
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PLOT DATE = 6/9/2022		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

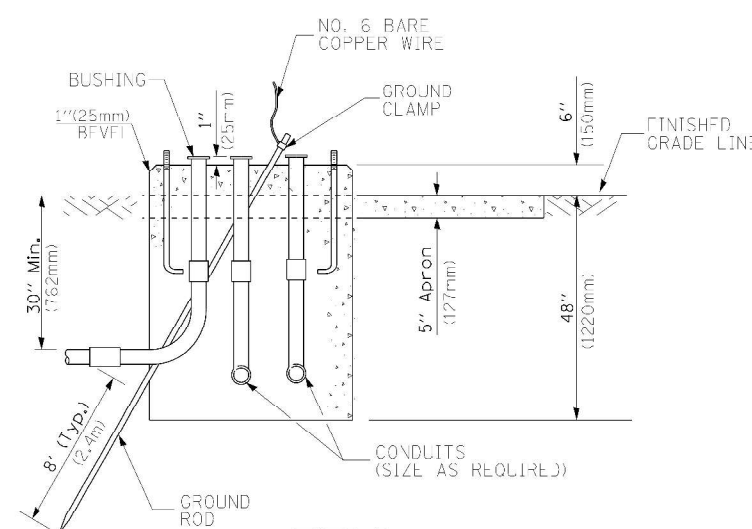
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<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	42
TS-05		CONTRACT NO. 62P22		
ILLINOIS / FED. AID PROJECT				

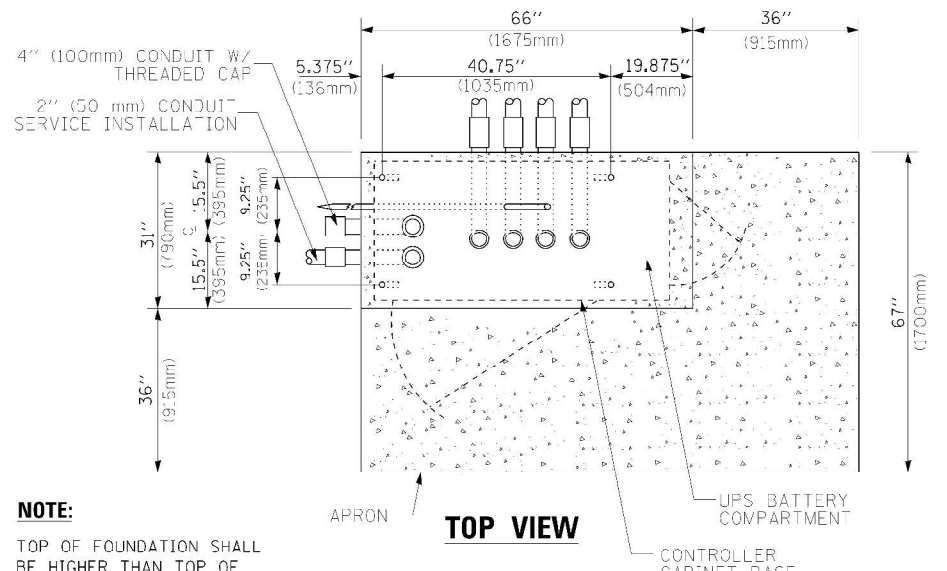




**TOP VIEW**

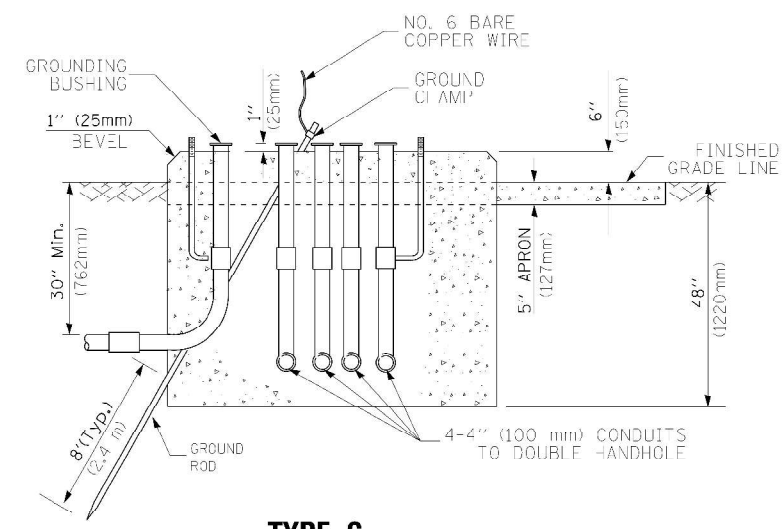


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

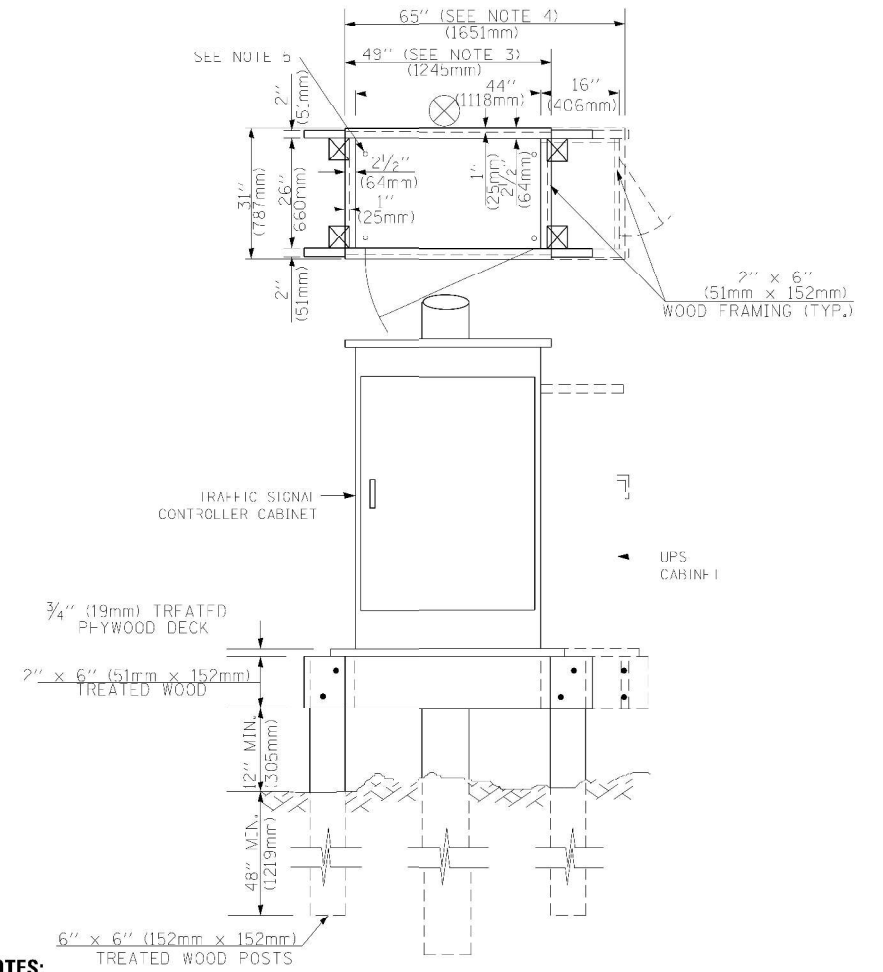


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**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	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 up to 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 less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	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 ( $q_u > 1.0 \text{ tsf } (100 \text{ kPa})$ . 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**

TS SHT NO. 5

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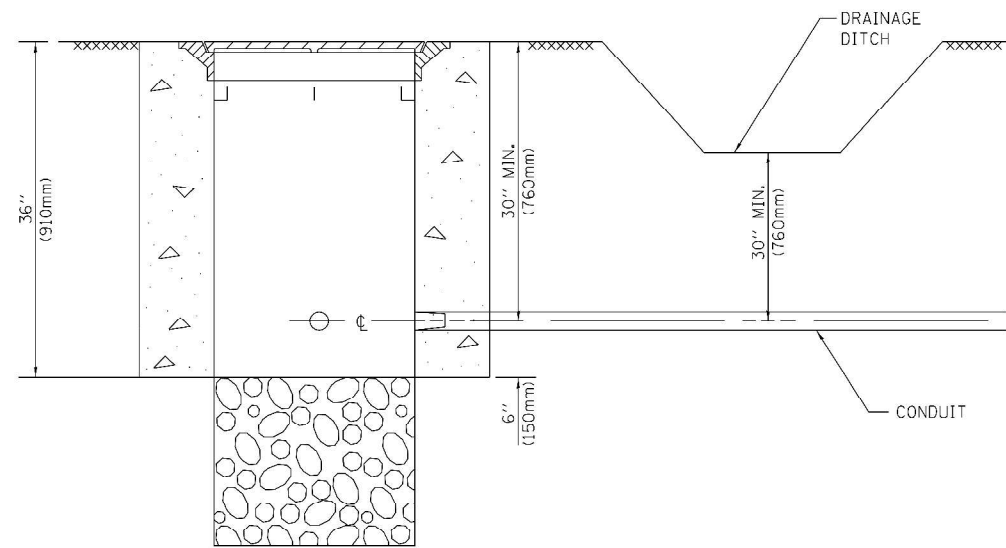
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PLOT SCALE = 40,0000' / 1"	DRAWN - ASH	REVISED -
PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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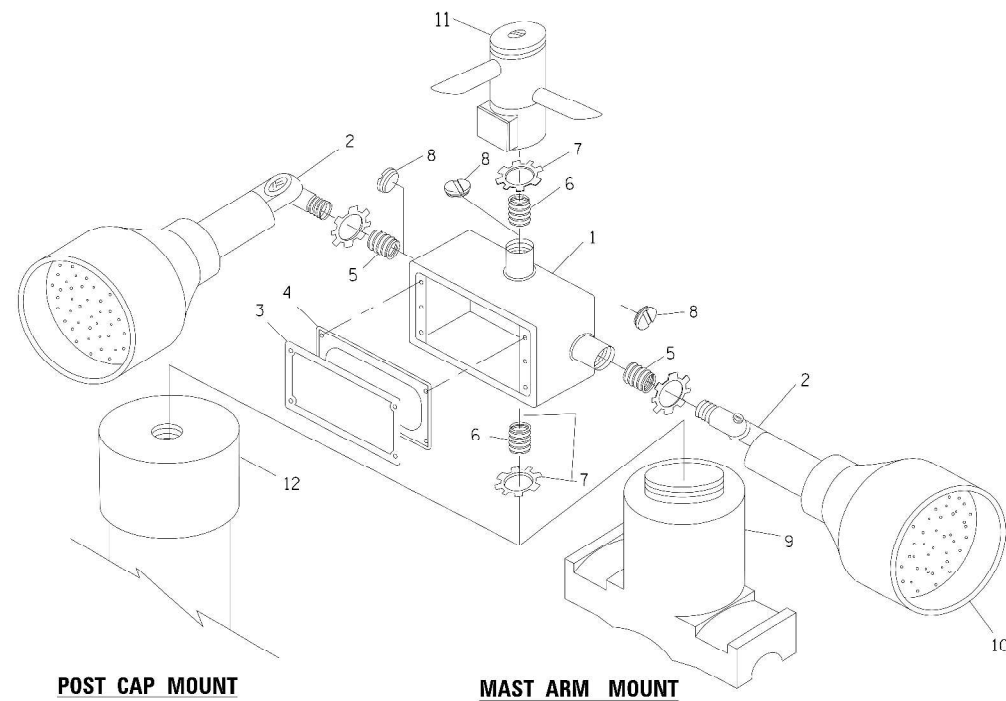
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	43
TS-05		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				



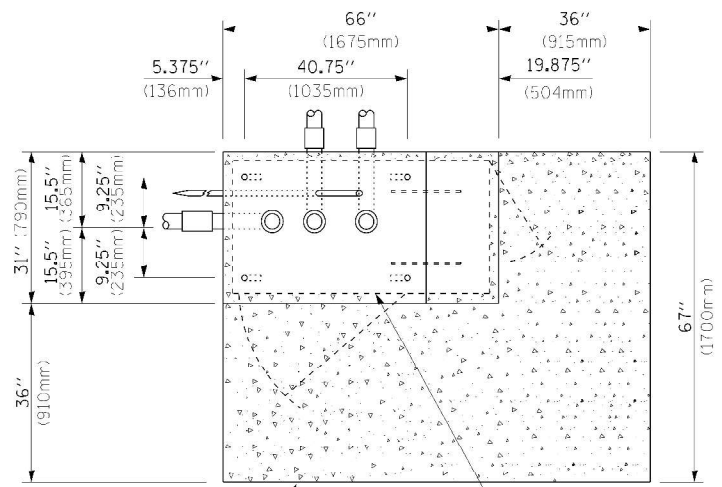
**NOTES:**

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.

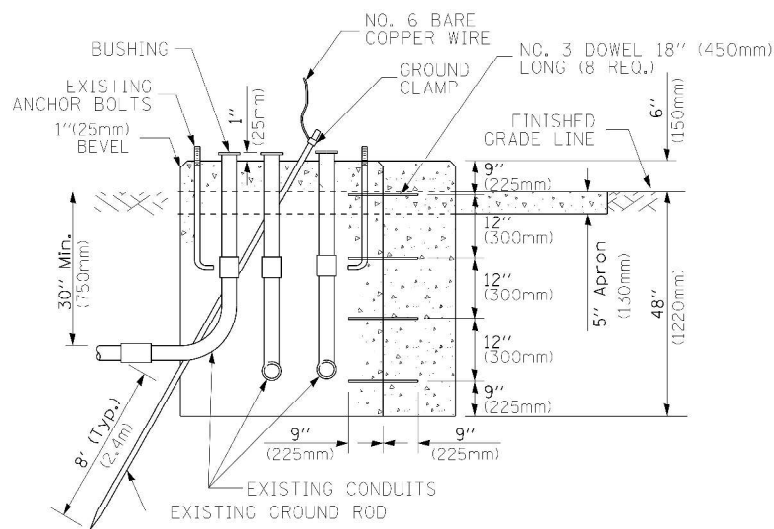
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

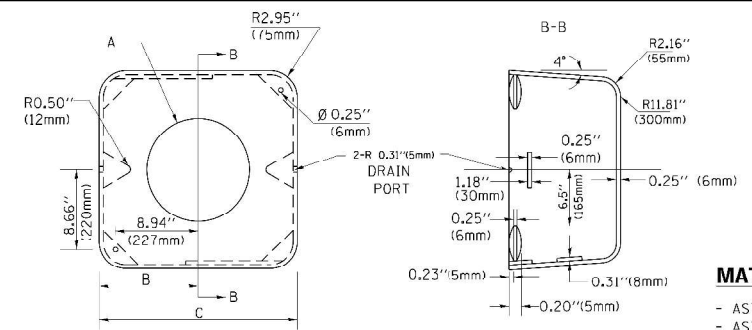


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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.



**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)

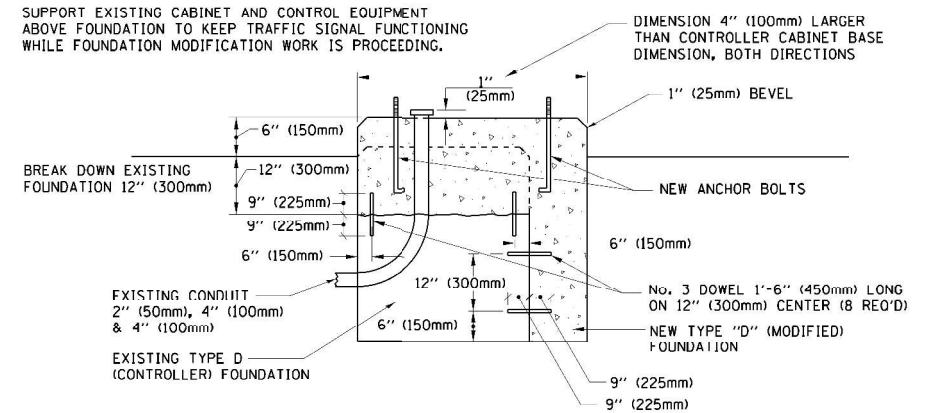
**SHROUD**

**NOTES:**

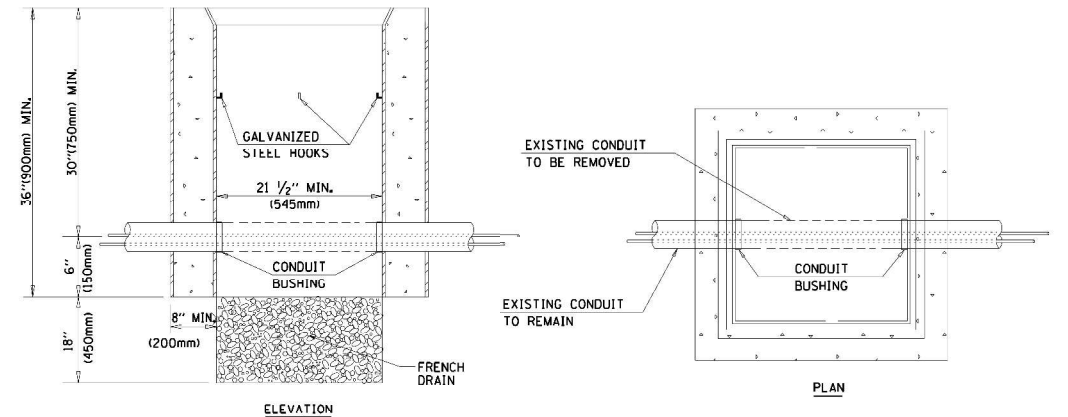
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



**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**

TS SHT NO. 6

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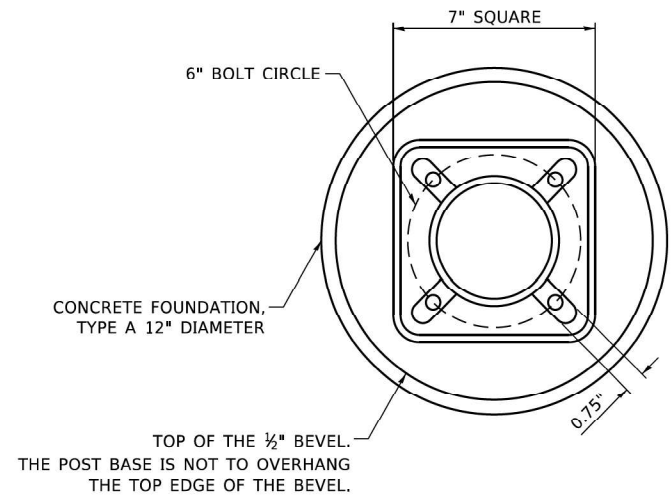
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	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

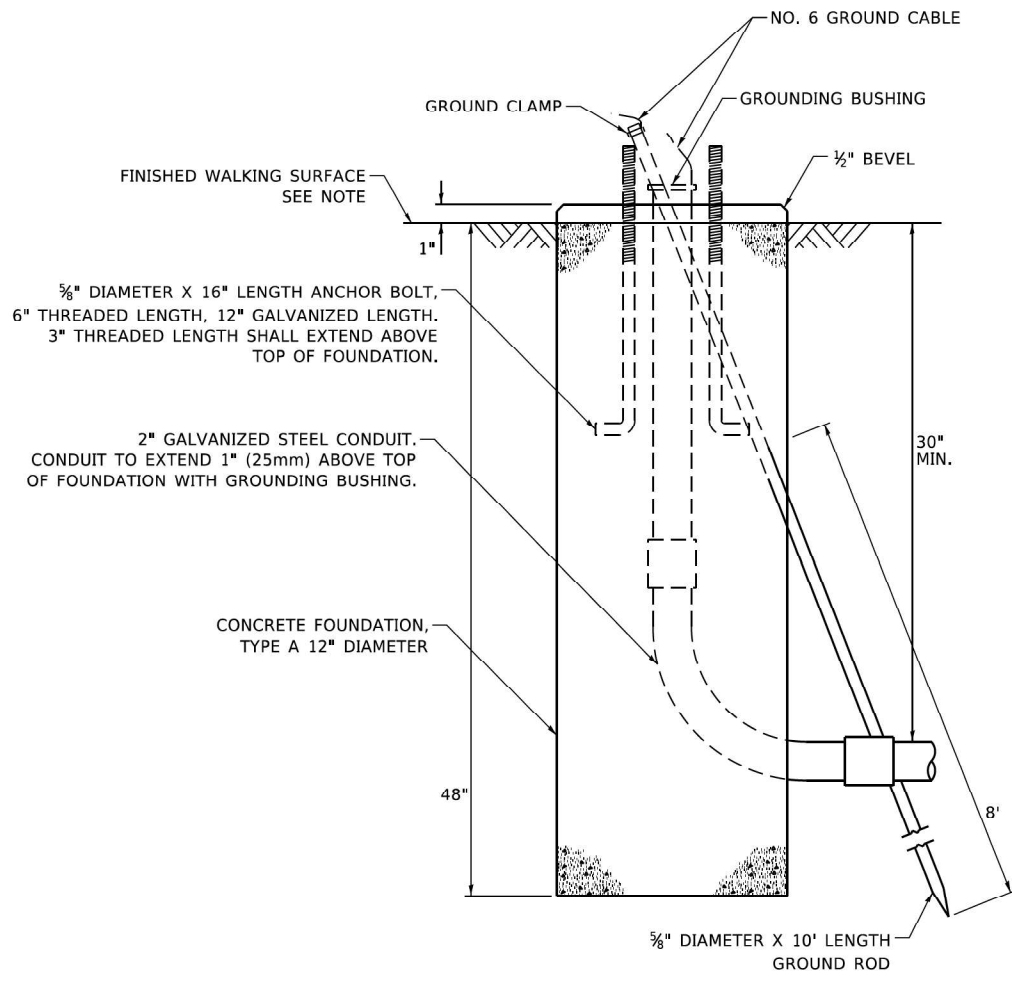
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F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 44
TS-05		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				

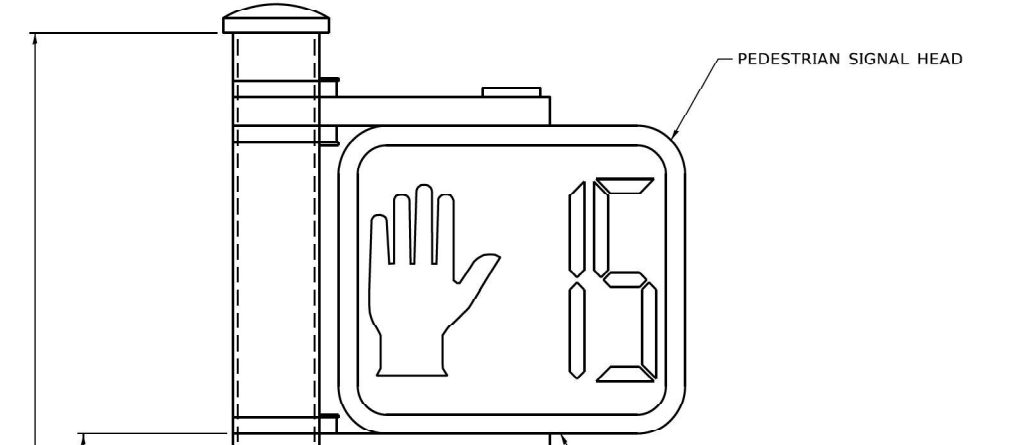


**BOLT PATTERN**

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**



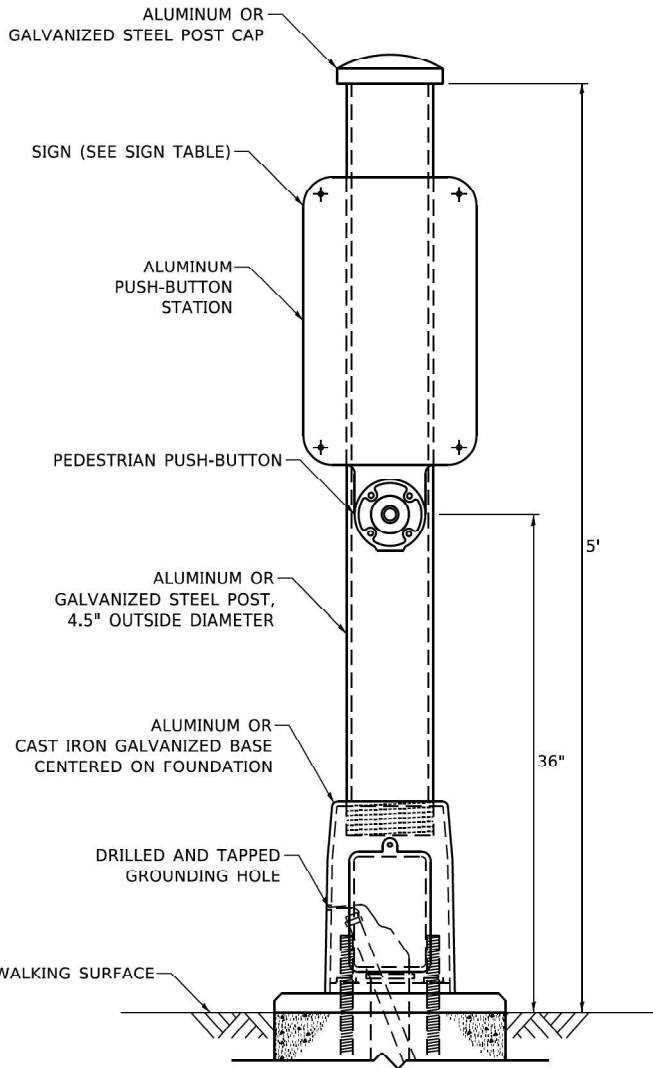
**PEDESTRIAN SIGNAL POST, 10 FT.**



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

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.



**PEDESTRIAN SIGNAL POST, 5 FT.**

TS SHT NO. 7

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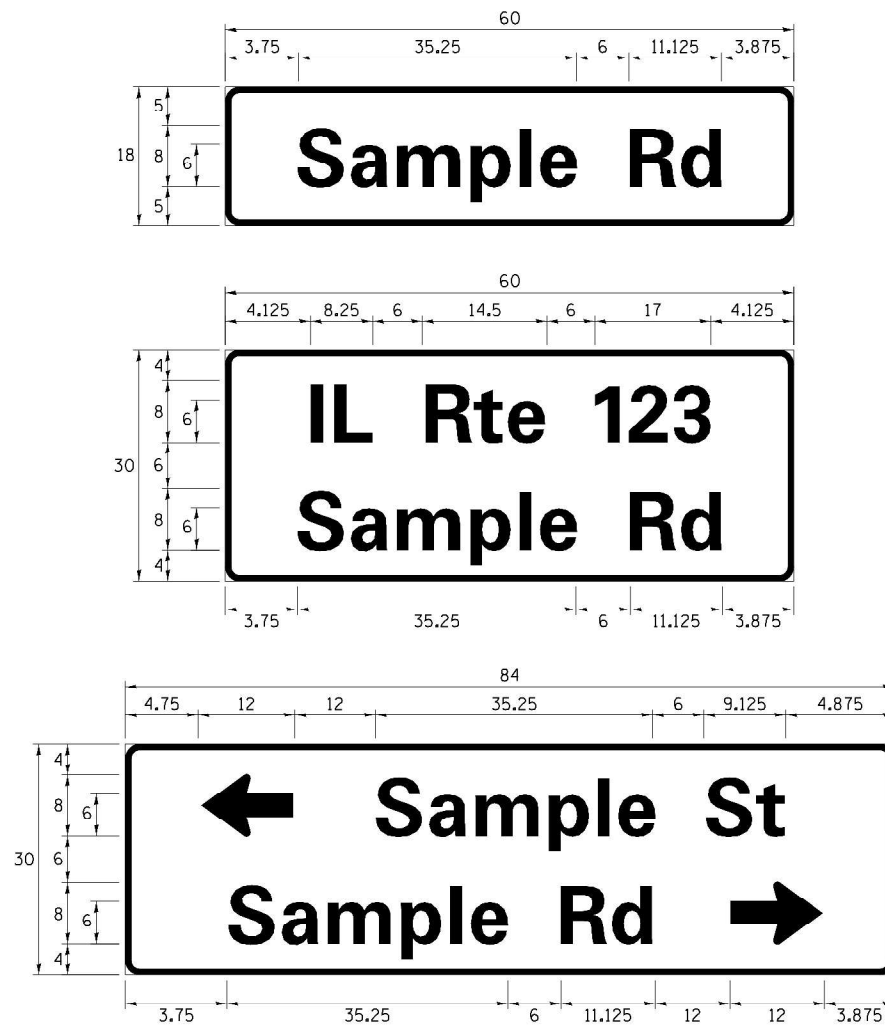
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	45
TS-05		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				

**SIGN PANEL – TYPE 1 OR TYPE 2**



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

**COMMON STREET NAME ABBREVIATIONS AND WIDTHS**

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

**GENERAL NOTES**

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6". IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

**LOCAL SUPPLIERS:**

- J.O. HERBERT COMPANY, INC  
MIDLOTHIAN, VA
- WESTERN REMAC, INC.  
WOODRIDGE, IL

**PARTS LISTING:**

- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)  
1/4" x 14 x 1" H.W.H. #3  
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART #HPN034 (UNIVERSAL)  
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

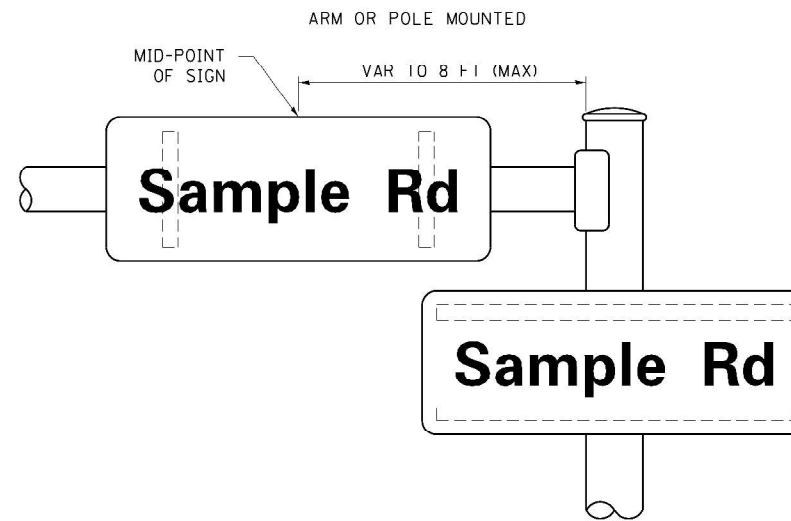
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

**STANDARD ALPHABETS SPACING CHART**

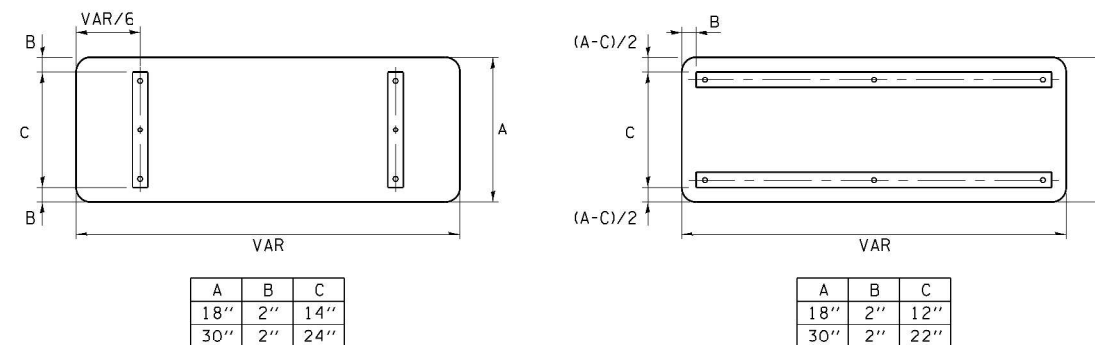
( 8" ) UPPER CASE AND ( 6" ) LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )	CHARACTER	LEFT SPACING ( INCH )	WIDTH ( INCH )	RIGHT SPACING ( INCH )
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.952	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.082	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.352	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.952	0.160	y	0.160	6.004	0.160
z	0.240	3.352	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.952	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

**MOUNTING LOCATION**



**SUPPORTING CHANNELS**



TS SHT NO. 8

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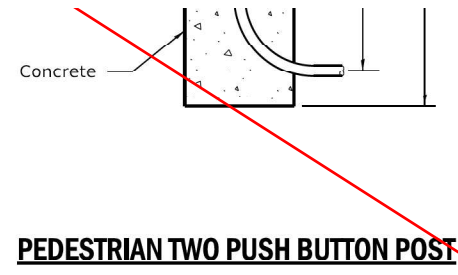
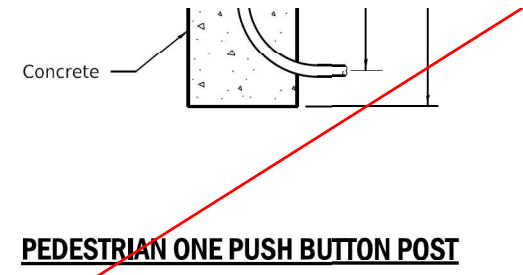
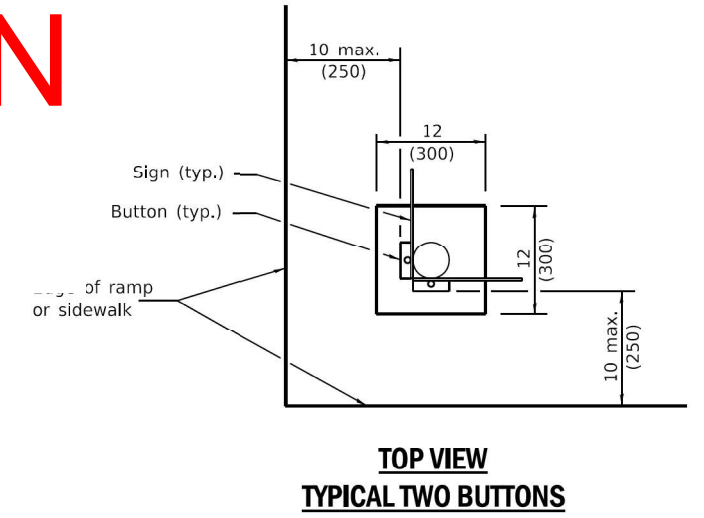
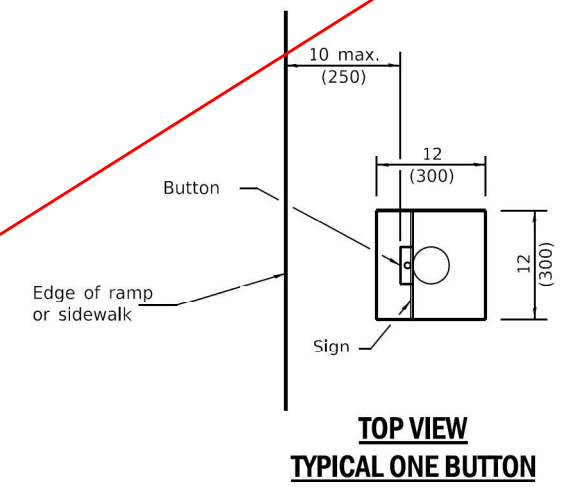
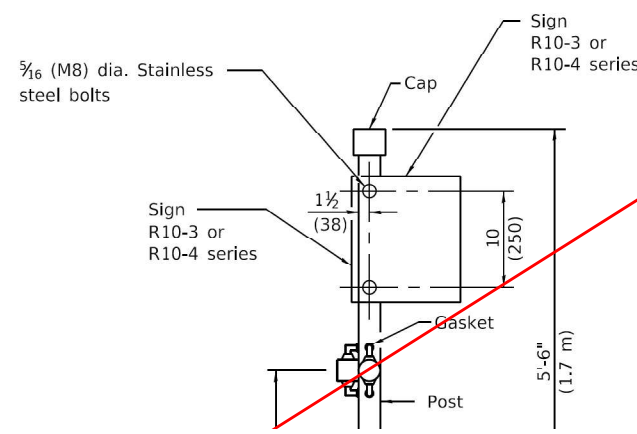
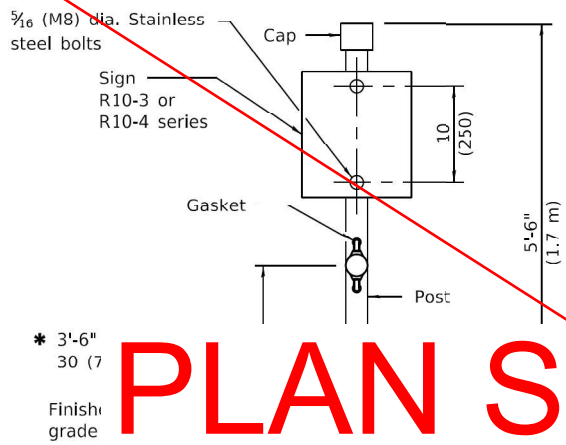
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PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	46
	TS-05		CONTRACT NO. 62P22	
		ILLINOIS	FED. AID PROJECT	



PLAN SHEET HAS BEEN DELETED

\* 36 (914) preferred

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

PASSED: April 1, 2016  ENGINEER OF OPERATIONS	ISSUED: 1-1-07
APPROVED: April 1, 2016  ENGINEER OF DESIGN AND ENVIRONMENT	

DATE	REVISIONS
4-1-16	Revised sign numbers for consistency with current MUTCD.
1-1-14	Revised and added dimensions for PROWAG reach range requirements.

PEDESTRIAN PUSH BUTTON POST

STANDARD 876001-04

TS SHT NO. 9

MODEL: D:\p\h\h\... FILE NAME: Z:\154027\DOT\_104\Item 6 (B&N CSS)\Project\50\_Design\CAD\Sheet\154027-sub3\_S\_Design\_Drawing.dgn



USER NAME = MET	DESIGNED - ASH	REVISED -
PLOT SCALE = 40,0000' / 1"	DRAWN - ASH	REVISED -
PLOT DATE = 7/25/2022	CHECKED - JAC	REVISED -
	DATE - 07-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 47
TS-05		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				





USER NAME = MET	DESIGNED ASH	REVISED -
DRAWN ASH	REVISED -	
PLOT SCALE = 40,0000' / 1"	CHECKED JAC	REVISED -
PLOT DATE = 7/25/2022	DATE 07-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN PRE-STAGE  
IL ROUTE 59 & JOLIET ST

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

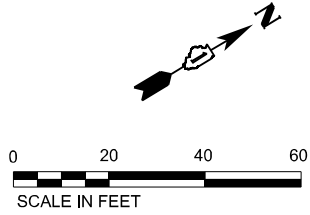
F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 48
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

**NOTES:**

1. DISCONNECT EXISTING NORTHBOUND INTERCONNECT CABLE FROM EXISTING CONTROLLER AND PULL BACK TO EXISTING HANDHOLE.
2. RUN EXISTING NORTHBOUND INTERCONNECT CABLE FROM EXISTING HANDHOLE TO WOOD POLE. CABLE TO THEN BE RUN AERIALLY TO TEMPORARY CONTROLLER IN SOUTHEAST QUADRANT TO MAINTAIN OPERATION OF INTERCONNECT TO GARYS MILL RD.
3. DISCONNECT EXISTING SOUTHBOUND INTERCONNECT CABLE FROM EXISTING CONTROLLER AND PULL BACK TO SOUTH LEG FAR OUT HANDHOLE. ONCE PROPOSED DOUBLE HANDHOLE IS CONSTRUCTED, RUN EXISTING CABLE TO NEW HANDHOLE.
4. RUN EXISTING SOUTHBOUND CABLE TO TEMPORARY CONTROLLER TO MAINTAIN OPERATION OF INTERCONNECT TO MACK RD.

**NOTES (CONT.):**

5. THE EXISTING INTERCONNECT CABLE BETWEEN JOLIET ST/EDGEWOOD DR AND GARYS MILL DR CONTAINS 100' OF EXTRA SLACK COILED AND STORED IN THE EXISTING DOUBLE HANDHOLE IN FRONT OF THE EXISTING CONTROLLER CABINET.
6. CONTRACTOR SHALL COMPLETE WORK IN SUCH A WAY AS TO MINIMIZE THE DOWNTIME OR DISRUPTION TO THE INTERCONNECT OPERATION.



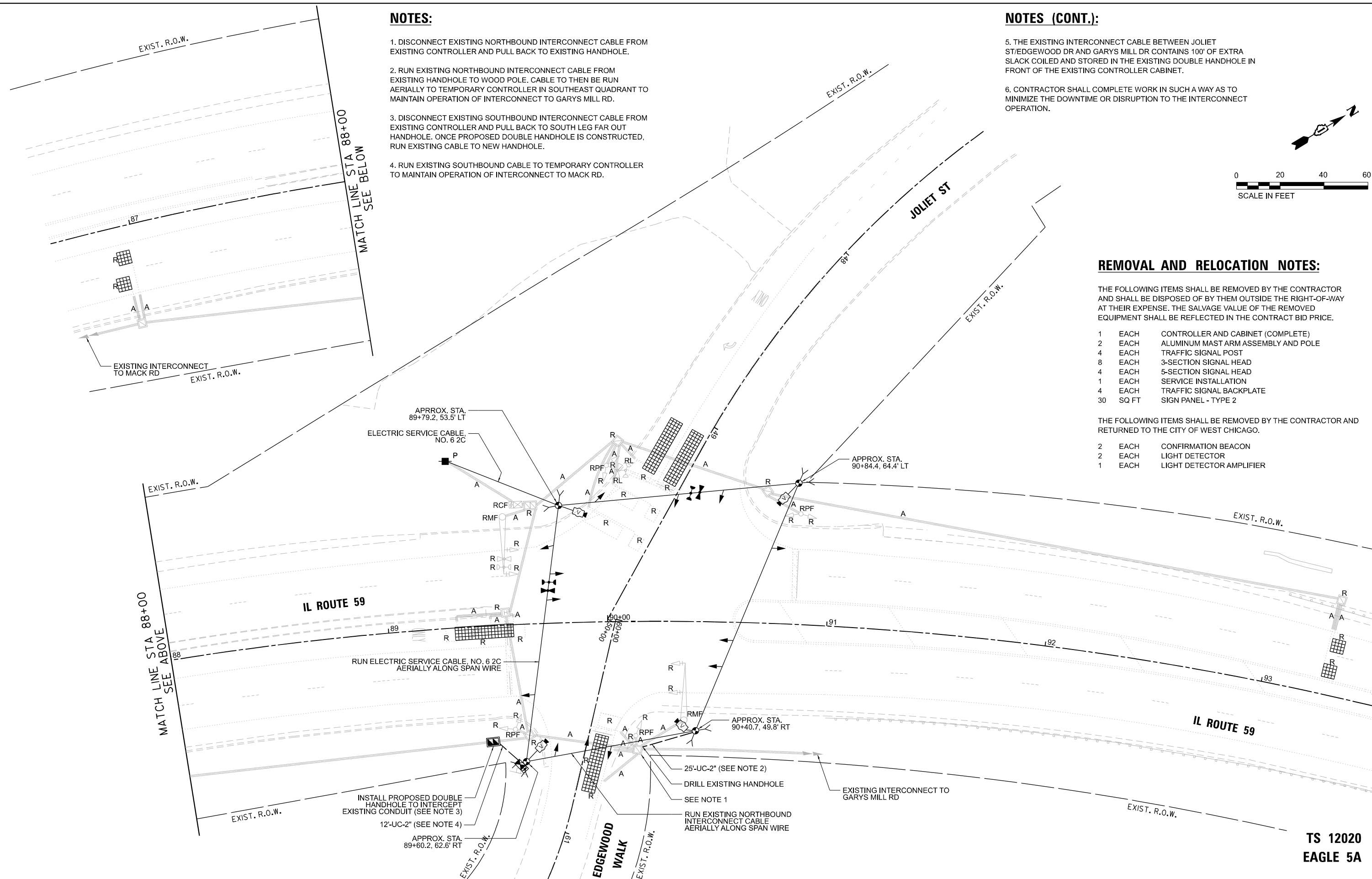
**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

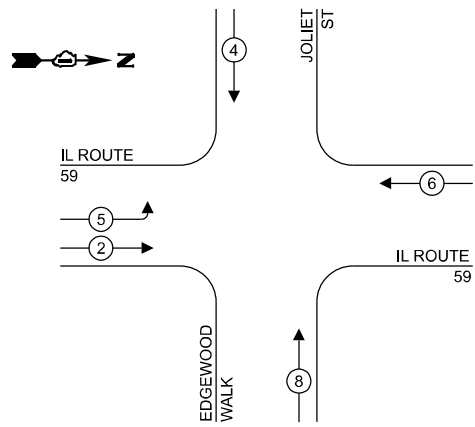
- |    |       |                                     |
|----|-------|-------------------------------------|
| 1  | EACH  | CONTROLLER AND CABINET (COMPLETE)   |
| 2  | EACH  | ALUMINUM MAST ARM ASSEMBLY AND POLE |
| 4  | EACH  | TRAFFIC SIGNAL POST                 |
| 8  | EACH  | 3-SECTION SIGNAL HEAD               |
| 4  | EACH  | 5-SECTION SIGNAL HEAD               |
| 1  | EACH  | SERVICE INSTALLATION                |
| 4  | EACH  | TRAFFIC SIGNAL BACKPLATE            |
| 30 | SQ FT | SIGN PANEL - TYPE 2                 |

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE CITY OF WEST CHICAGO.

- |   |      |                          |
|---|------|--------------------------|
| 2 | EACH | CONFIRMATION BEACON      |
| 2 | EACH | LIGHT DETECTOR           |
| 1 | EACH | LIGHT DETECTOR AMPLIFIER |



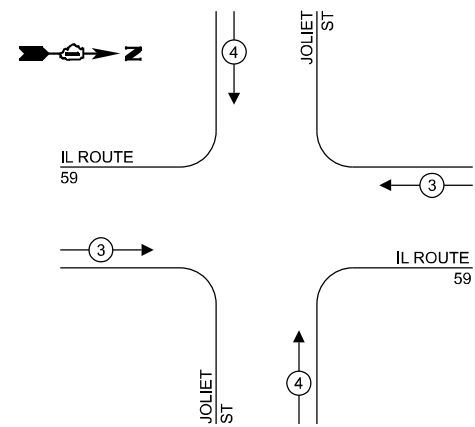
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

- ← (\*) PROTECTED PHASE
- ← (\*) - - PROTECTED/PERMITTED PHASE
- ← (\*) → PEDESTRIAN PHASE

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



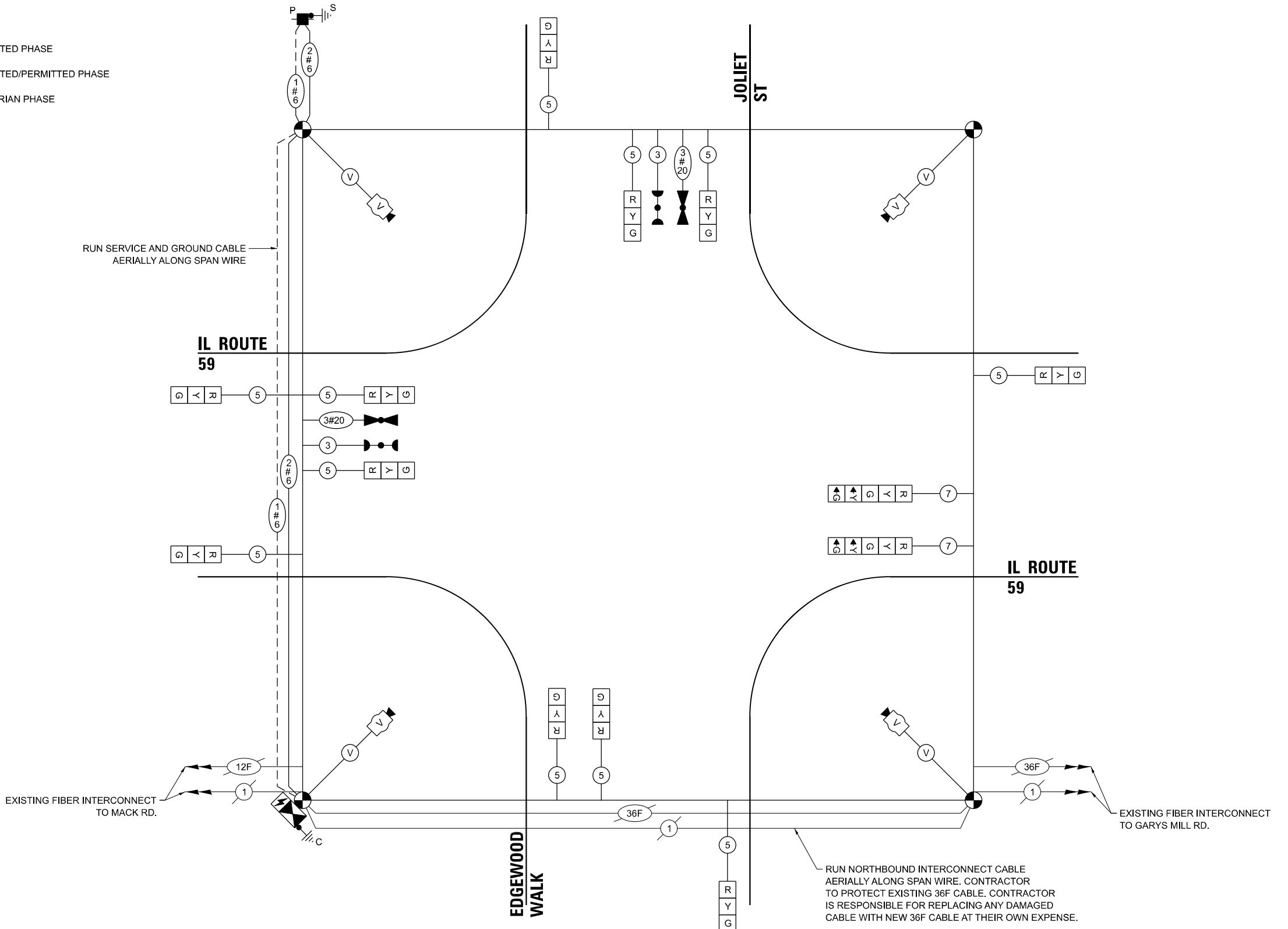
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	0	20	100	0.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>433.7</b>

ENERGY COSTS TO:

CITY OF WEST CHICAGO  
475 MAIN ST  
WEST CHICAGO, IL 60185

ENERGY SUPPLY: CONTACT: JOE STACHO  
PHONE: (630) 424-5704  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: ---



**TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

RUN NORTHBOUND INTERCONNECT CABLE AERIALY ALONG SPAN WIRE. CONTRACTOR TO PROTECT EXISTING 36F CABLE. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED CABLE WITH NEW 36F CABLE AT THEIR OWN EXPENSE.

TS SHT NO. 11

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USER NAME = MET	DESIGNED ASH	REVISED -
DRAWN ASH	REVISED -	
PLLOT SCALE = 40,0000' / 1"	CHECKED JAC	REVISED -
PLLOT DATE = 7/25/2022	DATE 07-2022	REVISED -

DESIGNED ASH	REVISED -
DRAWN ASH	REVISED -
CHECKED JAC	REVISED -
DATE 07-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
IL ROUTE 59 & JOLIET ST  
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 49
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

TS 12020  
EAGLE 5A



USER NAME = MET	DESIGNED ASH	REVISED -
DRAWN ASH	REVISED -	
CHECKED JAC	REVISED -	
DATE 07-2022	REVISED -	

DESIGNED ASH	REVISED -
DRAWN ASH	REVISED -
CHECKED JAC	REVISED -
DATE 07-2022	REVISED -

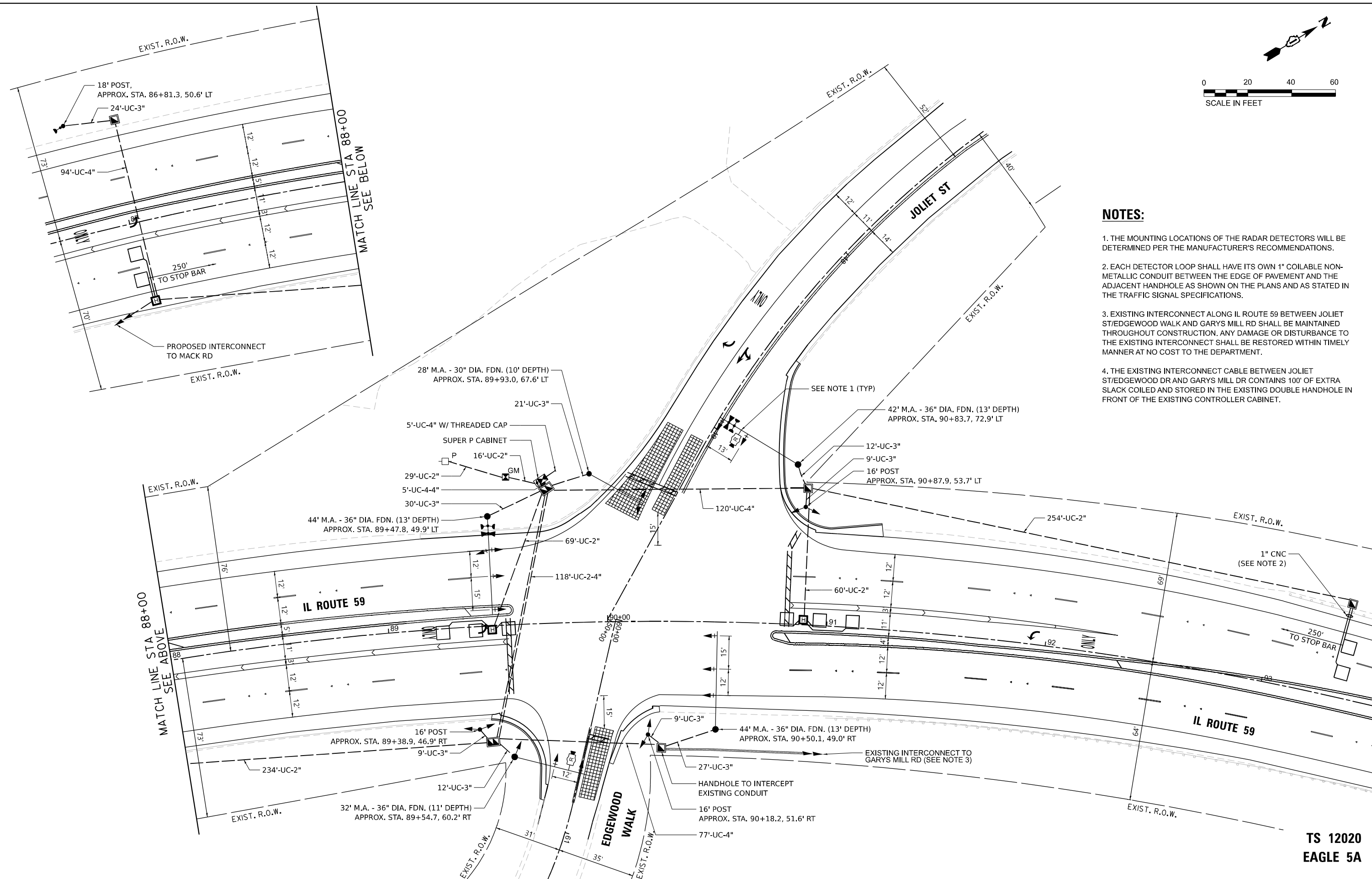
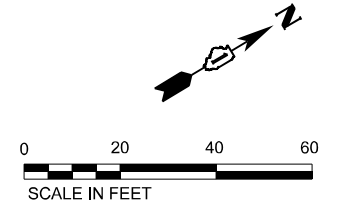
DESIGNED ASH	REVISED -
DRAWN ASH	REVISED -
CHECKED JAC	REVISED -
DATE 07-2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN  
 IL ROUTE 59 & JOLIET ST

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 50
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

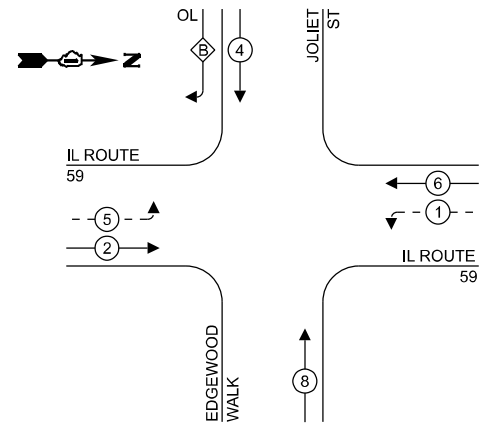


- NOTES:**
1. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.
  2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
  3. EXISTING INTERCONNECT ALONG IL ROUTE 59 BETWEEN JOLIET ST/EDGEWOOD WALK AND GARYS MILL RD SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE OR DISTURBANCE TO THE EXISTING INTERCONNECT SHALL BE RESTORED WITHIN TIMELY MANNER AT NO COST TO THE DEPARTMENT.
  4. THE EXISTING INTERCONNECT CABLE BETWEEN JOLIET ST/EDGEWOOD DR AND GARYS MILL DR CONTAINS 100' OF EXTRA SLACK COILED AND STORED IN THE EXISTING DOUBLE HANDHOLE IN FRONT OF THE EXISTING CONTROLLER CABINET.

TS 12020  
 EAGLE 5A



**PROPOSED CONTROLLER SEQUENCE**



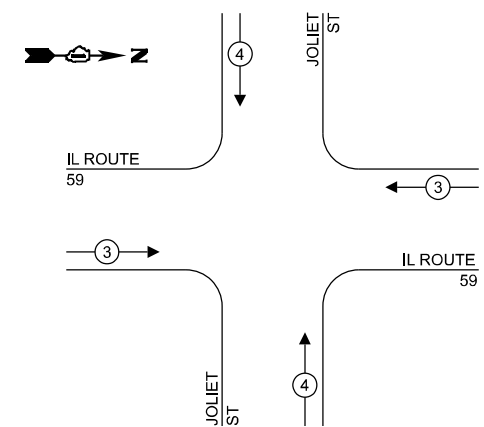
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	4	5

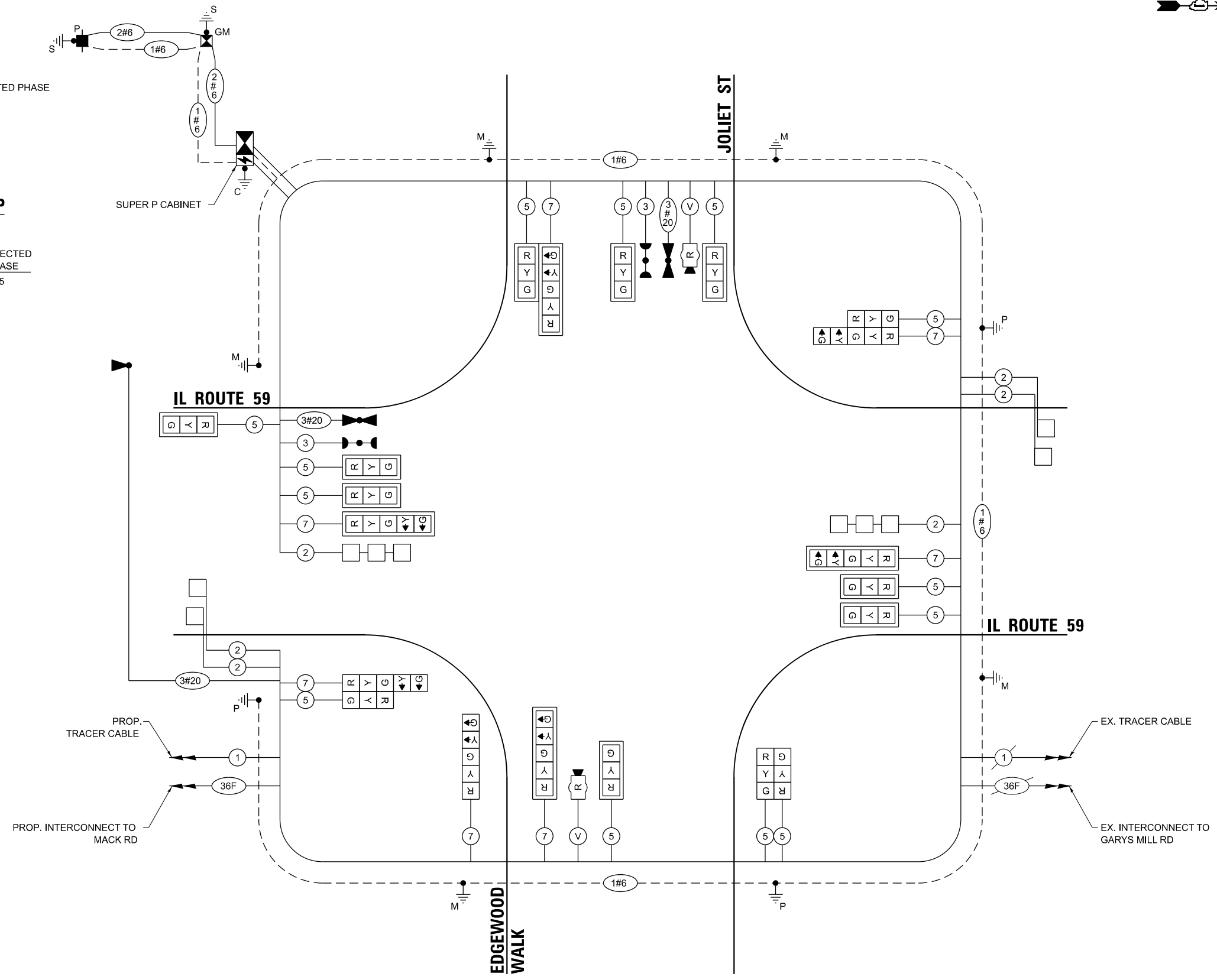
**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
PERMISSIVE ARROW	14	10	10	14.0
PED. SIGNAL	0	20	100	0.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	0	150	100	0.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				377.0

ENERGY COSTS TO:  
**CITY OF WEST CHICAGO**  
 475 MAIN ST  
 WEST CHICAGO, IL 60185  
 ENERGY SUPPLY: CONTACT: JOE STACHO  
 PHONE: (630) 424-5704  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: 73470-49055



**CABLE PLAN**

TS SHT NO. 13

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DESIGNED	ASH
DRAWN	ASH
CHECKED	JAC
DATE	07-2022
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

DESIGNED	ASH	REVISED	-
DRAWN	ASH	REVISED	-
CHECKED	JAC	REVISED	-
DATE	07-2022	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

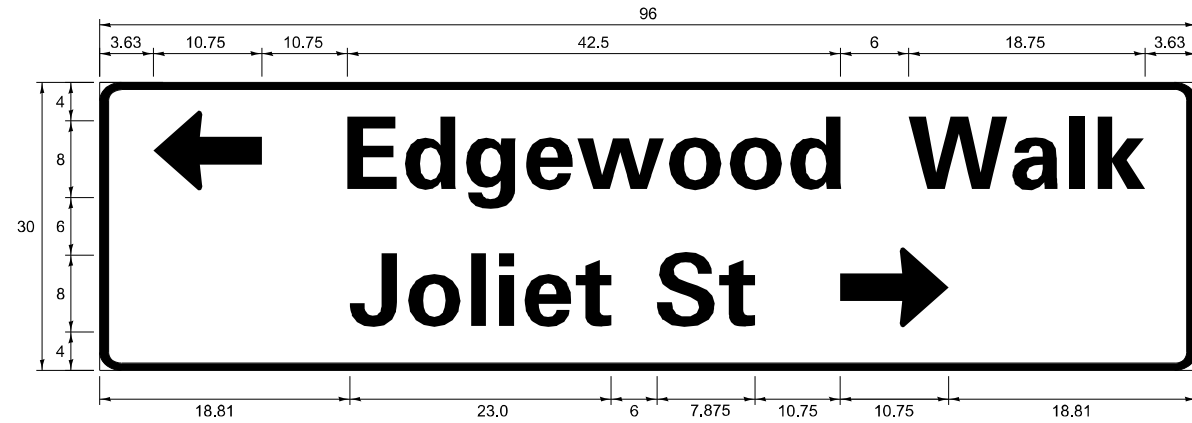
**CABLE PLAN, PHASE DESIGNATION DIAGRAM  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL ROUTE 59 & JOLIET ST**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	51
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

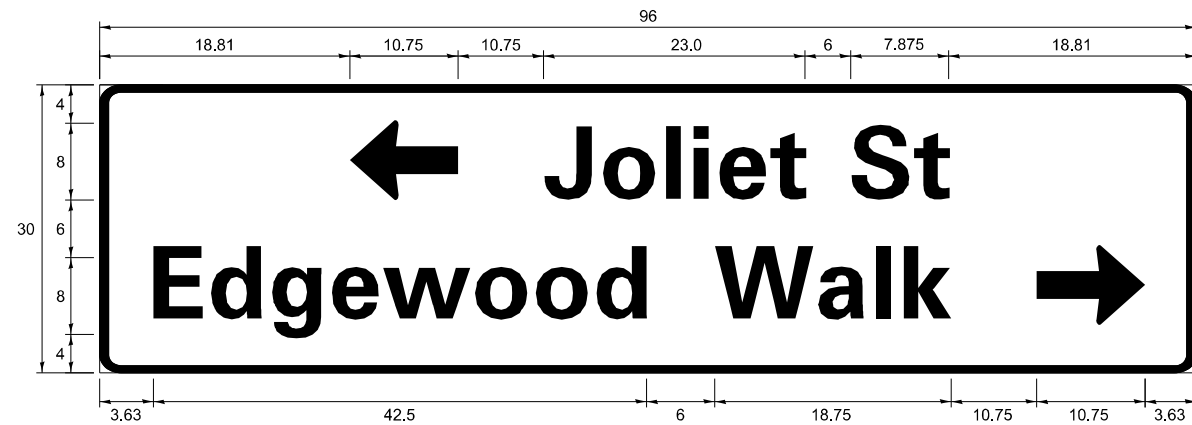
**TS 12020  
EAGLE 5A**

**SIGN PANEL – TYPE 1 OR TYPE 2**

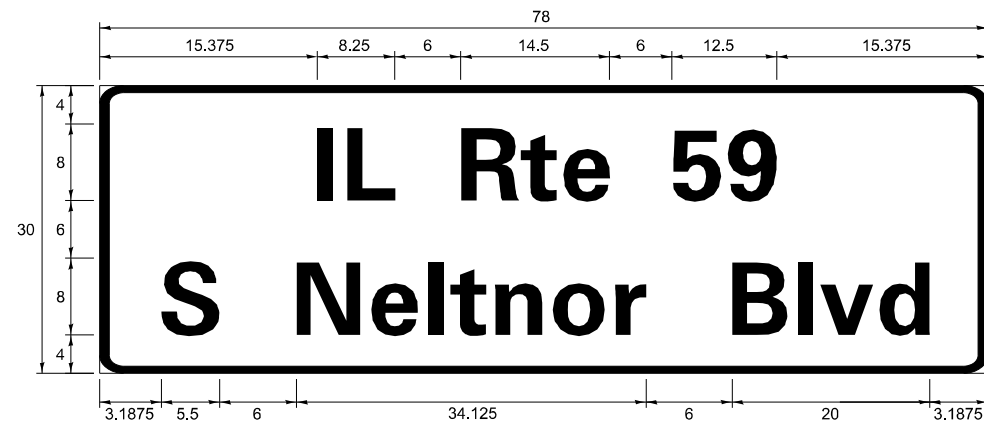
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C	20.0	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C	20.0	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	16.25	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL - TYPE 2	SQ FT	56.3
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	662
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	153
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	543
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	263
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2603
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1302
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1141
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	52
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	891
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	361
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	828
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

\* 100% COST TO THE WEST CHICAGO FIRE PROTECTION DISTRICT

TS SHT NO. 14

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PLOT SCALE = 40,000' / 1"	DRAWN ASH	REVISED -
PLOT DATE = 7/25/2022	CHECKED JAC	REVISED -
	DATE 07-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS  
SCHEDULE OF QUANTITIES  
IL ROUTE 59 & JOLIET ST

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

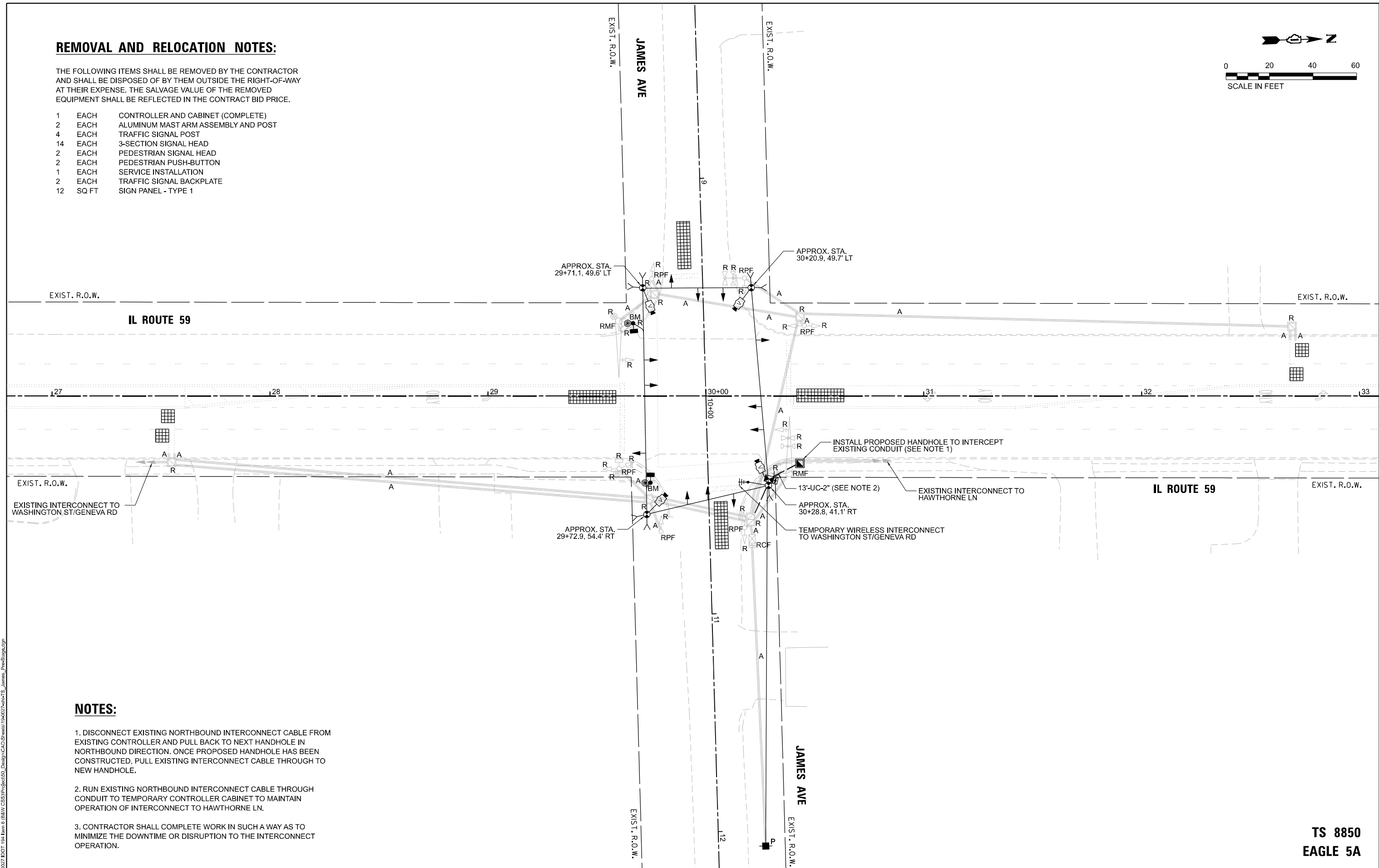
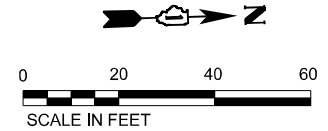
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	62
			CONTRACT NO. 62P22	
ILLINOIS FED. AID PROJECT				

TS 12020  
EAGLE 5A

**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POST
- 4 EACH TRAFFIC SIGNAL POST
- 14 EACH 3-SECTION SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION
- 2 EACH TRAFFIC SIGNAL BACKPLATE
- 12 SQ FT SIGN PANEL - TYPE 1



**NOTES:**

1. DISCONNECT EXISTING NORTHBOUND INTERCONNECT CABLE FROM EXISTING CONTROLLER AND PULL BACK TO NEXT HANDHOLE IN NORTHBOUND DIRECTION. ONCE PROPOSED HANDHOLE HAS BEEN CONSTRUCTED, PULL EXISTING INTERCONNECT CABLE THROUGH TO NEW HANDHOLE.
2. RUN EXISTING NORTHBOUND INTERCONNECT CABLE THROUGH CONDUIT TO TEMPORARY CONTROLLER CABINET TO MAINTAIN OPERATION OF INTERCONNECT TO HAWTHORNE LN.
3. CONTRACTOR SHALL COMPLETE WORK IN SUCH A WAY AS TO MINIMIZE THE DOWNTIME OR DISRUPTION TO THE INTERCONNECT OPERATION.

TS SHT NO. 15

MODEL: D:\ch\4 FILE NAME: Z:\15-0027\DOT\15a\Item 6 (B&N CSS)\Project\150\_Design\CAD\Sheet\15-0027-sht15-James\_Plan-Stage.dgn



USER NAME = MET	DESIGNED - ASH	REVISED -
	DRAWN - ASH	REVISED -
PLOT SCALE = 40,000' / 1"	CHECKED - JAC	REVISED -
PLOT DATE = 7/25/2022	DATE - 07-2022	REVISED -

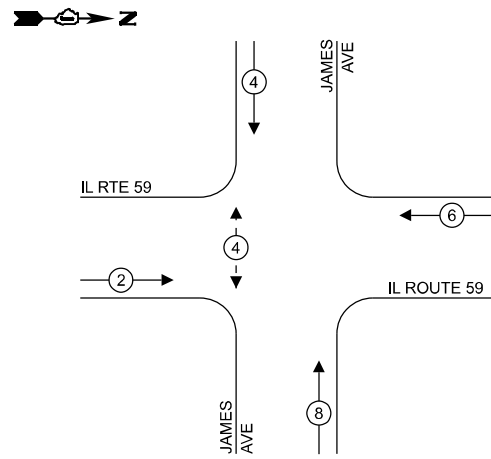
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN PRE-STAGE  
IL ROUTE 59 & JAMES AVE**

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 53
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

**TS 8850  
EAGLE 5A**

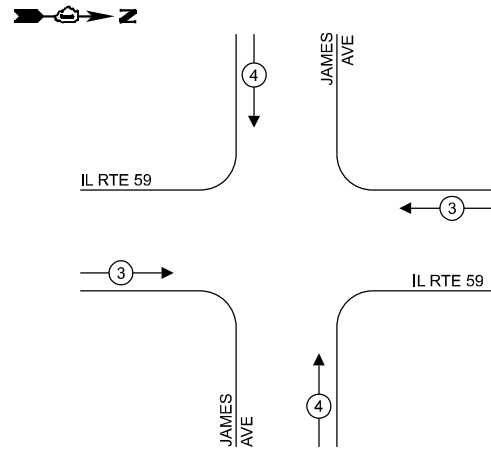
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND:**

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ⊕ OL OVERLAP

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



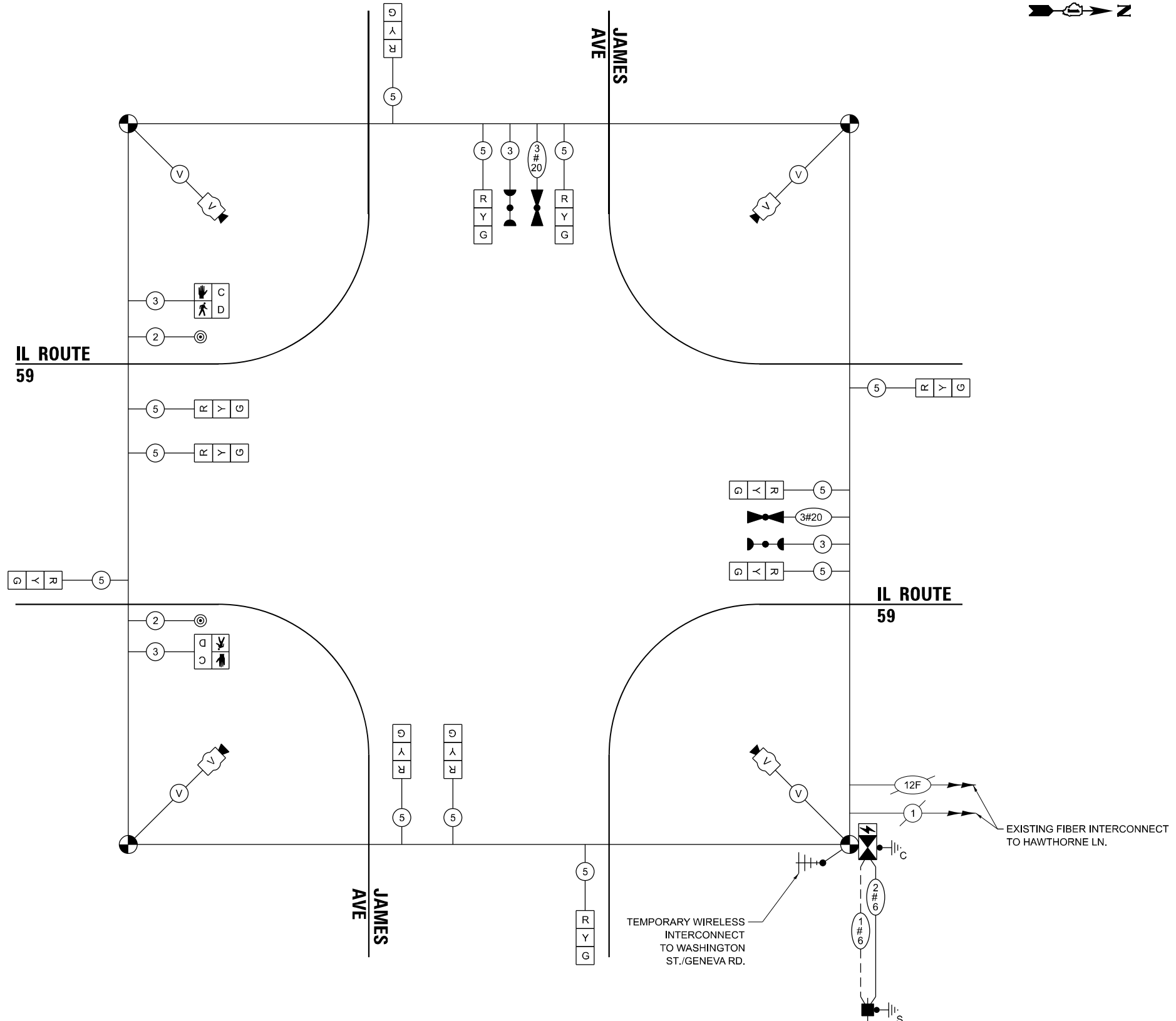
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	0	10	10	0.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				457.8

ENERGY COSTS TO:

WINFIELD TOWNSHIP HIGHWAY DEPARTMENT  
30W575 W ROOSEVELT ROAD  
WEST CHICAGO, IL 60185

ENERGY SUPPLY: CONTACT: JOE STACHO  
PHONE: (630) 424-5704  
COMPANY: COMMONWEALTH EDISON  
ACCOUNT NUMBER: 44230-76148



**TEMPORARY CABLE PLAN**  
(NOT TO SCALE)

TEMPORARY WIRELESS INTERCONNECT TO WASHINGTON ST./GENEVA RD.

EXISTING FIBER INTERCONNECT TO HAWTHORNE LN.

TS SHT NO. 16

MODEL: D:\ch14\... FILE NAME: Z:\150027\DOT\164\Item 6 (BANK CSS)\Project\59\_James\_Temporary Cable Plan.dgn



USER NAME = MET	DESIGNED - ASH	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN - ASH	REVISED -
PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

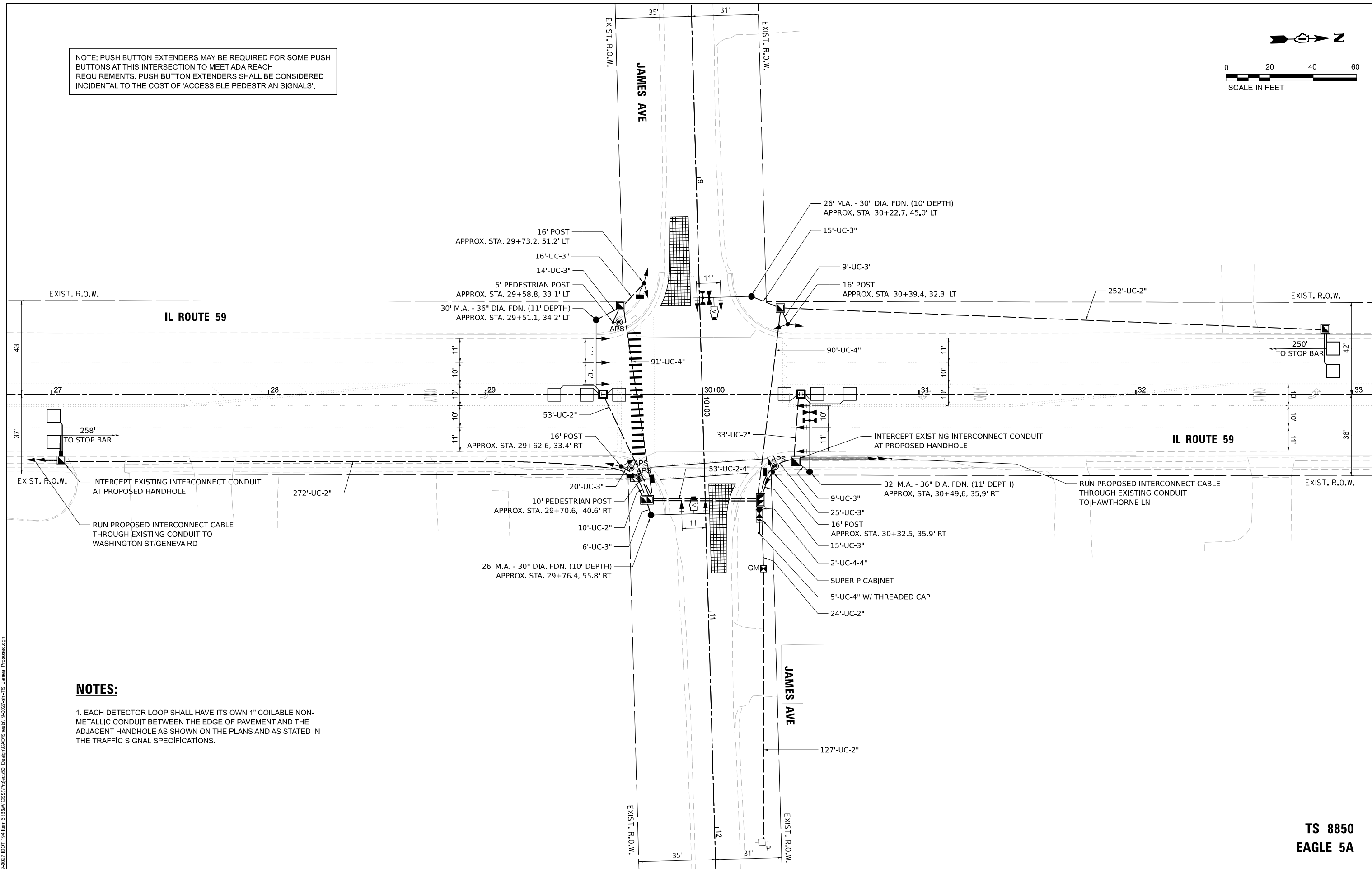
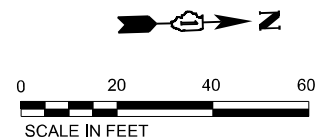
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL ROUTE 59 & JAMES AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 54
			CONTRACT NO. 62P22	
ILLINOIS FED. AID PROJECT				

TS 8850  
EAGLE 5A

NOTE: PUSH BUTTON EXTENDERS MAY BE REQUIRED FOR SOME PUSH BUTTONS AT THIS INTERSECTION TO MEET ADA REACH REQUIREMENTS. PUSH BUTTON EXTENDERS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF 'ACCESSIBLE PEDESTRIAN SIGNALS'.



**NOTES:**  
 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

TS SHT NO. 17

MODEL: D:\ts\15-0027\DOT\164 Item 6 (B&N CSS)\Project\59\_Design\CAD\Sheets\15-0027-ts\ts\_James\_Proposed.dgn  
 FILE NAME: Z:\15-0027\DOT\164 Item 6 (B&N CSS)\Project\59\_Design\CAD\Sheets\15-0027-ts\ts\_James\_Proposed.dgn



USER NAME = MET	DESIGNED - ASH	REVISED -
	DRAWN - ASH	REVISED -
PLOT SCALE = 40,0000' / 1"	CHECKED - JAC	REVISED -
PLOT DATE = 7/25/2022	DATE - 07-2022	REVISED -

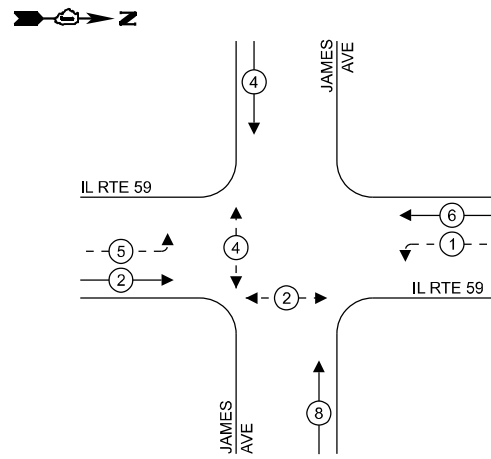
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN			
IL ROUTE 59 & JAMES AVE			
SCALE: 1"=20'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 55
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

TS 8850  
 EAGLE 5A

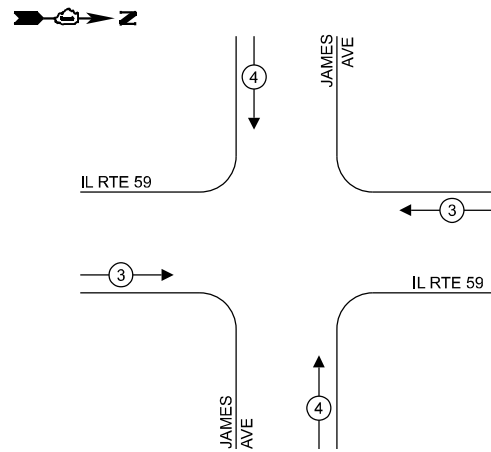
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← \* OL → OVERLAP

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



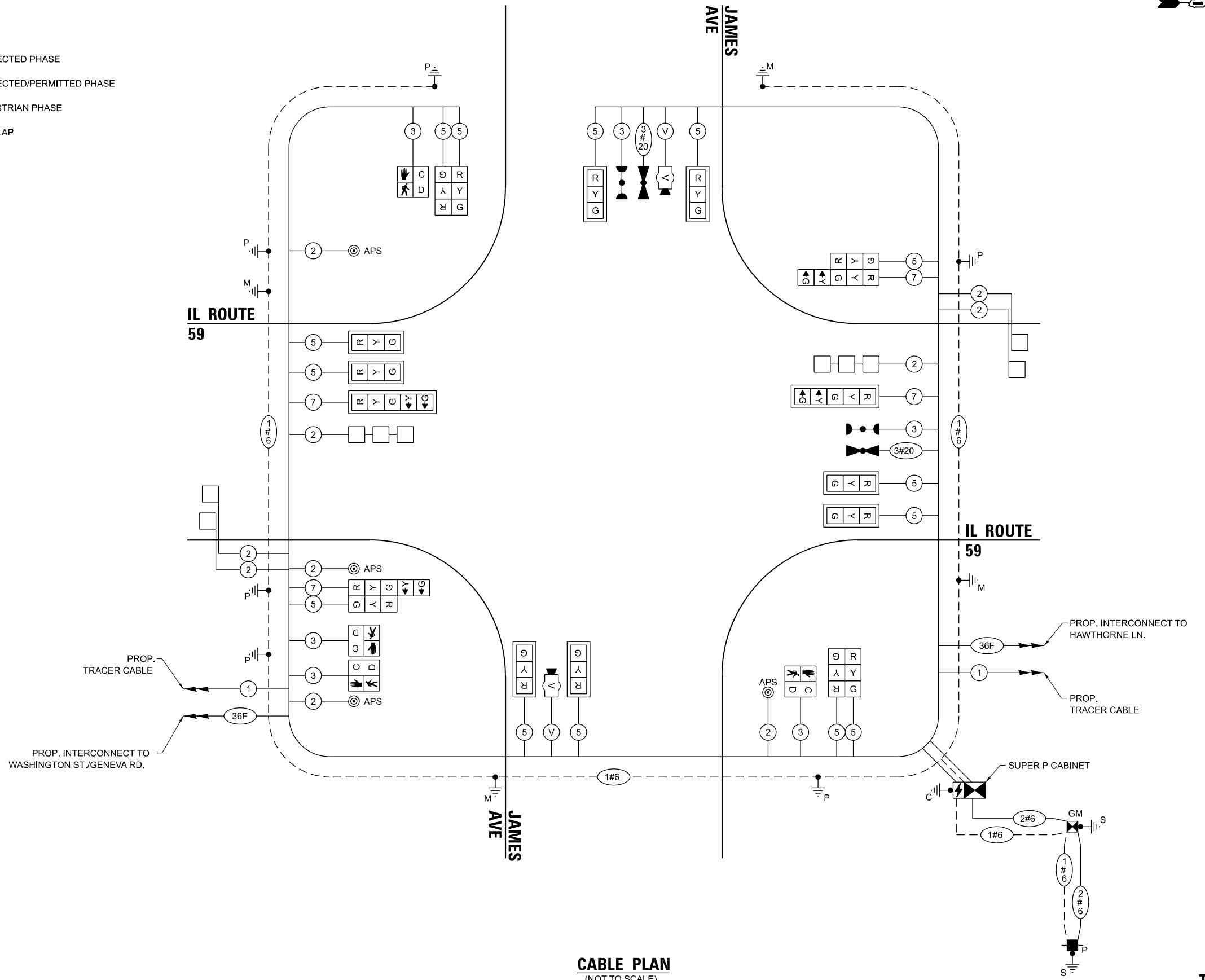
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				577.2

ENERGY COSTS TO:  
**WINFIELD TOWNSHIP HIGHWAY DEPARTMENT**  
 30W575 W ROOSEVELT ROAD  
 WEST CHICAGO, IL 60185  
 ENERGY SUPPLY: CONTACT: JOE STACHO  
 PHONE: (630) 424-5704  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: 44230-76148

**IL ROUTE 59**

**JAMES AVE**



**CABLE PLAN**  
(NOT TO SCALE)

TS SHT NO. 18

MODEL: D:\ch14\... FILE NAME: Z:\150027\DOT\104\Item 6 (BANK CSS)\Proposed\150027-SubTS - James - Proposed Cable Plan.dgn



USER NAME = MET	DESIGNED - ASH	REVISED -
PLOT SCALE = 40,000' / 1"	DRAWN - ASH	REVISED -
PLOT DATE = 7/25/2022	CHECKED - JAC	REVISED -
	DATE - 07-2022	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM**  
**AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**IL ROUTE 59 & JAMES AVE**

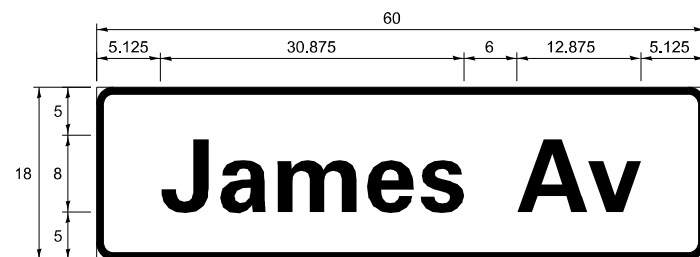
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	56
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

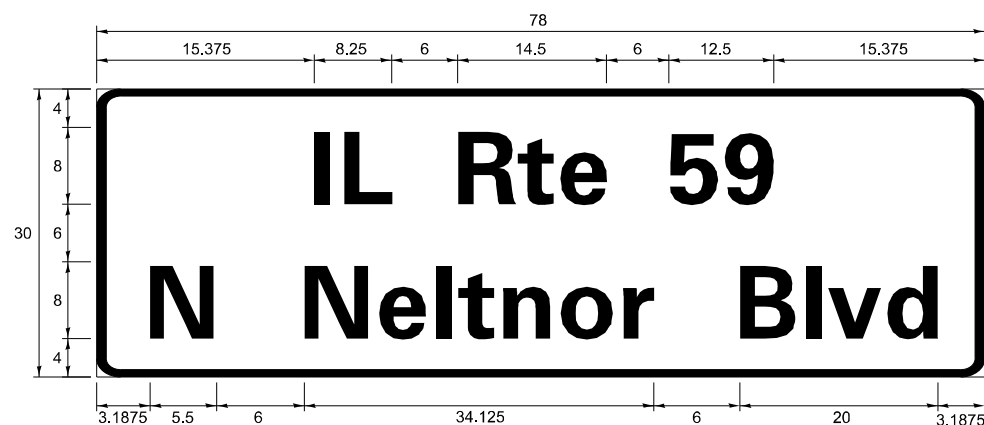
**TS 8850**  
**EAGLE 5A**

**SIGN PANEL – TYPE 1 OR TYPE 2**

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	16.25	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
SIGN PANEL - TYPE 1	SQ FT	15
SIGN PANEL - TYPE 2	SQ FT	32.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	779
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	120
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	300
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	516
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	811
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2148
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	646
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1021
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	158
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	629
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	22
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	330
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	299
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	2
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

\* 100% COST TO WEST CHICAGO FIRE PROTECTION DISTRICT

TS SHT NO. 19

MODEL: D:\chm\... FILE NAME: Z:\15-0027\DOT\164 Item 6 (B&N CSS)\Project\50\_Design\CAD\Sheets\15-0027-mh3-S\_James\_S00.dgn



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PLOT SCALE = 40,0000' / 1"	DRAWN - ASH	REVISED -
PLOT DATE = 7/25/2022	CHECKED - JAC	REVISED -
	DATE - 07-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS  
SCHEDULE OF QUANTITIES  
IL ROUTE 59 & JAMES AVE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY	TOTAL SHEETS 82	SHEET NO. 57
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	

TS 8850  
EAGLE 5A



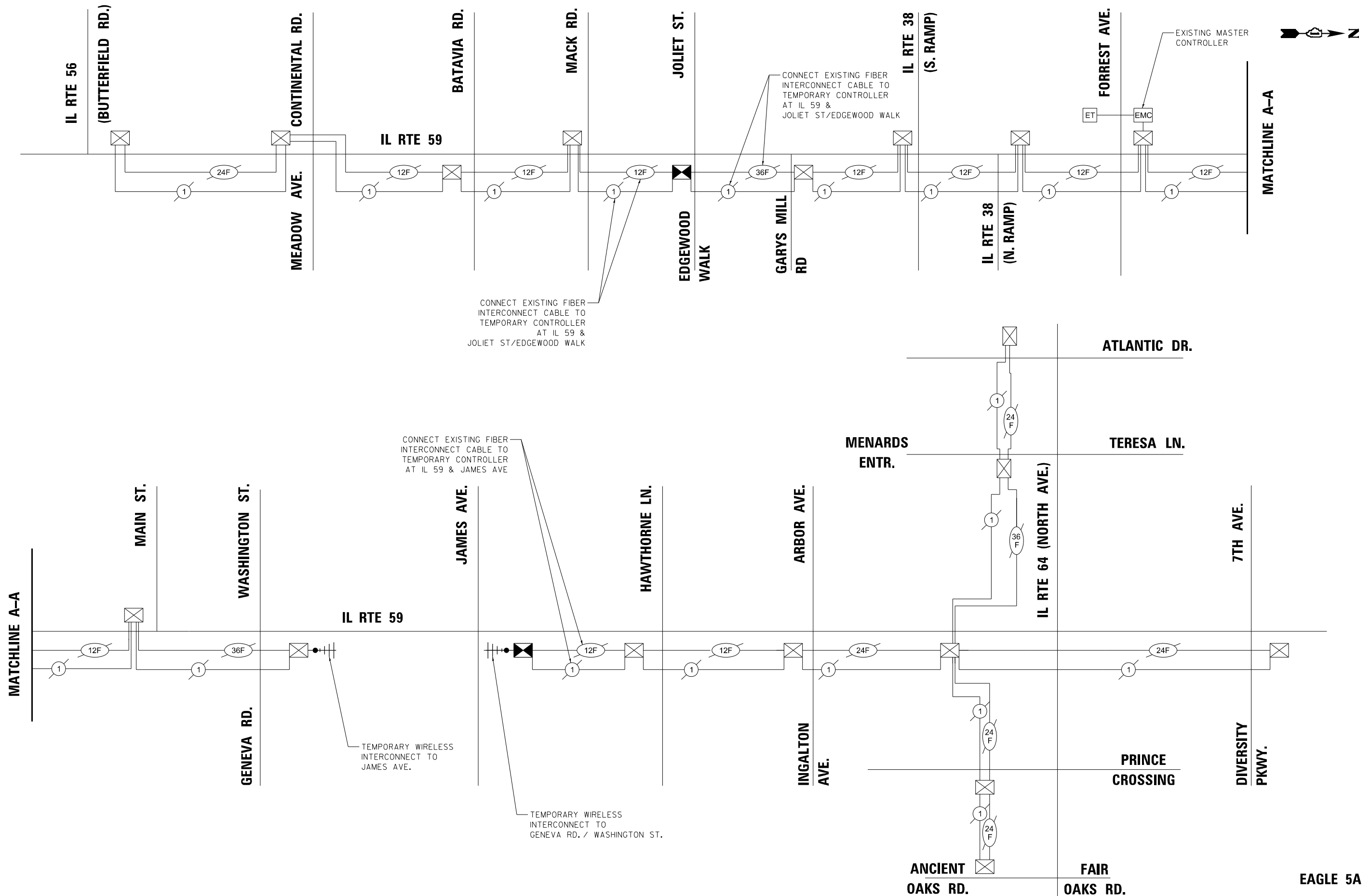
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DRAWN - ASH	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JAC	REVISED -
PLOT DATE = 6/9/2022	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

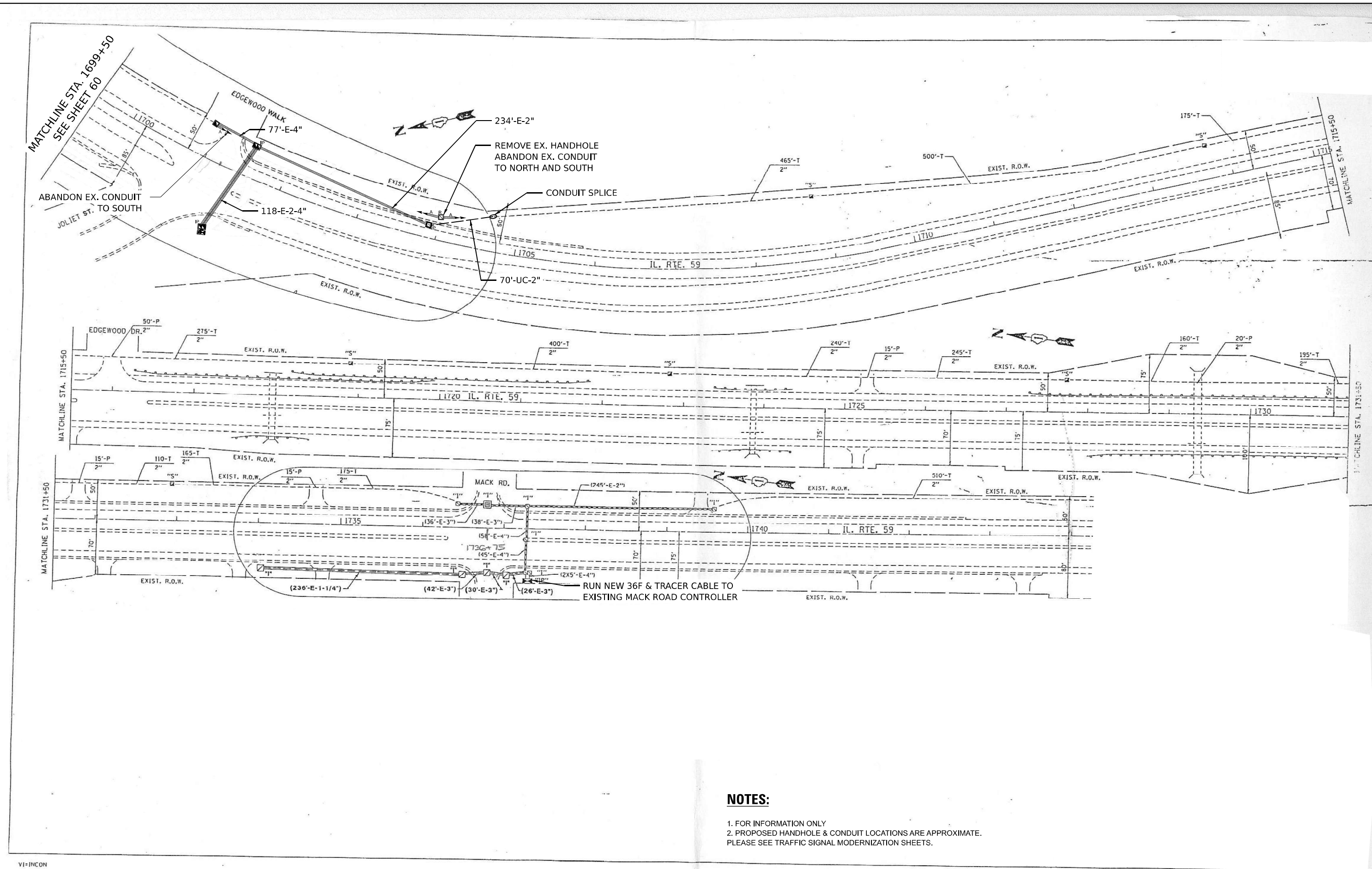
TEMPORARY INTERCONNECT  
 SCHEMATIC

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY	TOTAL SHEETS 82	SHEET NO. 58
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	







**NOTES:**

- 1. FOR INFORMATION ONLY
- 2. PROPOSED HANDHOLE & CONDUIT LOCATIONS ARE APPROXIMATE. PLEASE SEE TRAFFIC SIGNAL MODERNIZATION SHEETS.



USER NAME = MET	DESIGNED - ASH	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - ASH	REVISED -
PLOT DATE = 7/25/2022	CHECKED - JAC	REVISED -
	DATE - 07-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

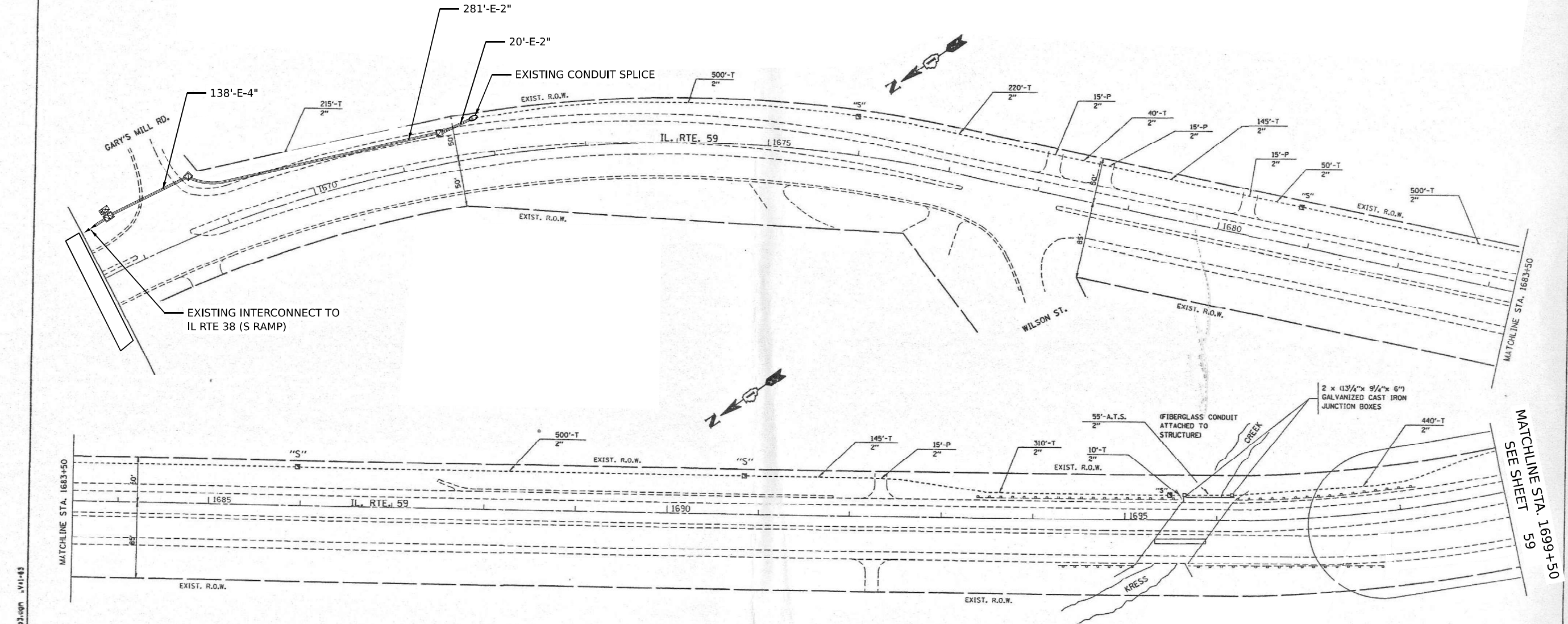
**INTERCONNECT  
RECORD DRAWING**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 59
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62P22	

51054

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	1994-096TS	DUPAGE	38	34
STA. 1654+00		TO STA. 1699+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Tue Mar 12 10:51:09 1996  
 /usr/arc/arc7/1118181/1118181/1118181/1118181.dwg

VI-INCON

**NOTES:**  
1. FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERCONNECT PLAN**  
 IL. RTE. 59  
**FROM INGALTON AVE.**  
**TO IL. RTE. 56 (BUTTERFIELD RD.)**  
 SHEET 4 OF 6

SCALE: VERT. 1"= 50'  
 HORIZ. 1"= 50'  
 DATE 03/12/96

DRAWN BY C.A.D.  
 DESIGNED BY T.P.C.  
 CHECKED BY R.K.F.

TS SHT NO. 22

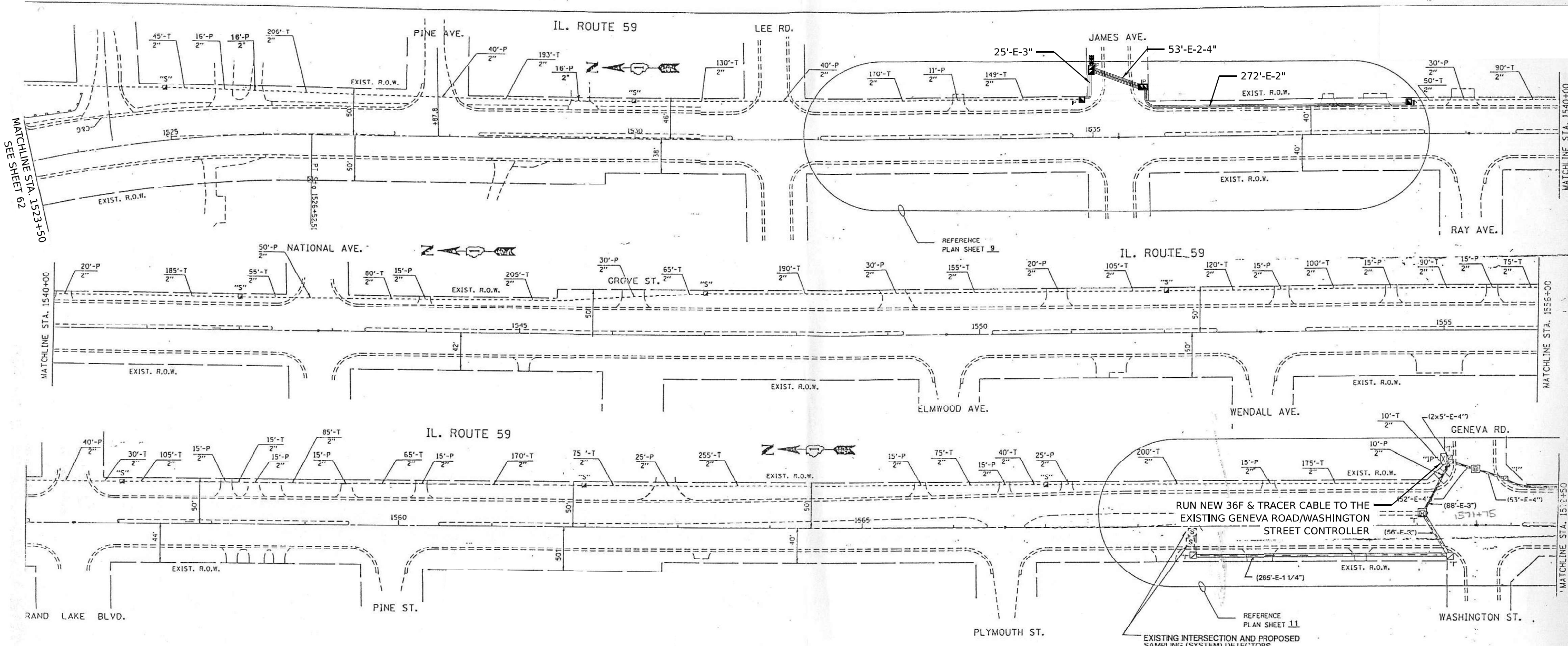


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PLOT SCALE = 100,0000 / 1in.	DRAWN - ASH	REVISED -
PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT RECORD DRAWING				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	60
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. FOR INFORMATION ONLY
2. PROPOSED HANDHOLE & CONDUIT LOCATIONS ARE APPROXIMATE. PLEASE SEE TRAFFIC SIGNAL MODERNIZATION SHEETS.



USER NAME = MET	DESIGNED - ASH	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN - ASH	REVISED -
PLOT DATE = 7/25/2022	CHECKED - JAC	REVISED -
	DATE - 07-2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT  
RECORD DRAWING

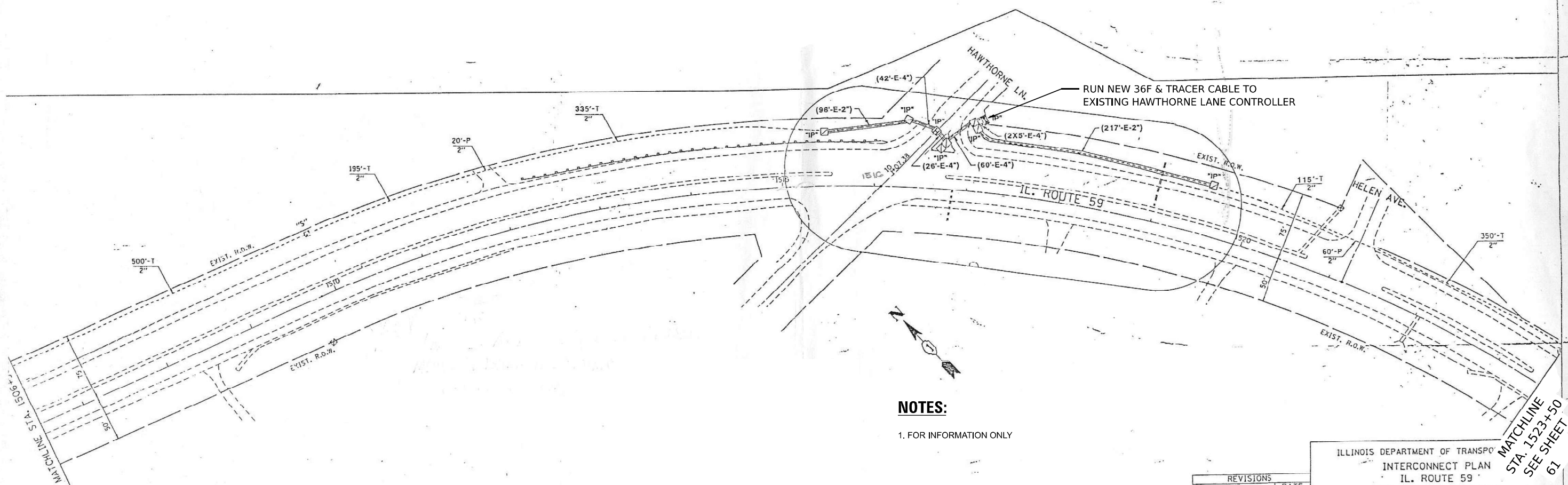
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY DUPAGE	TOTAL SHEETS 82	SHEET NO. 61
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

515



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	1994-096TS	DUPAGE	38	31
STA. 1490+00		TO STA. 1523+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**NOTES:**

1. FOR INFORMATION ONLY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERCONNECT PLAN  
 IL. ROUTE 59  
 FROM INGALTON AVE.  
 TO IL. RTE. 56 (BUTTERFIELD RD.)  
 SHEET 1 OF 6

SCALE: VERT. 1"=50'  
 HORIZ. 1"=50'  
 DATE 12/29/95

DRAWN BY C.A.D.  
 DESIGNED BY T.P.C.  
 CHECKED BY R.K.F.

MATCHLINE STA. 1523+50 SEE SHEET 61

TS SHT NO. 24

MODEL: D:\shn\... FILE NAME: Z:\1523+50\DOT\1490\6 (B&M CSS)\Project\59\_Design\CAD\Sheet\1523+50\ts-Proposed Interconnect\_James.dgn



USER NAME = MET	DESIGNED - ASH	REVISED -
PLOT SCALE = 100,0000 / 1in.	DRAWN - ASH	REVISED -
PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INTERCONNECT  
 RECORD DRAWING

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	62
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	



USER NAME = MET	DESIGNED - ASH	REVISED -
DRAWN - ASH	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JAC	REVISED -
PLOT DATE = 7/25/2022	DATE - 07-2022	REVISED -

DESIGNED - ASH	REVISED -
DRAWN - ASH	REVISED -
CHECKED - JAC	REVISED -
DATE - 07-2022	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT  
 SCHEMATIC

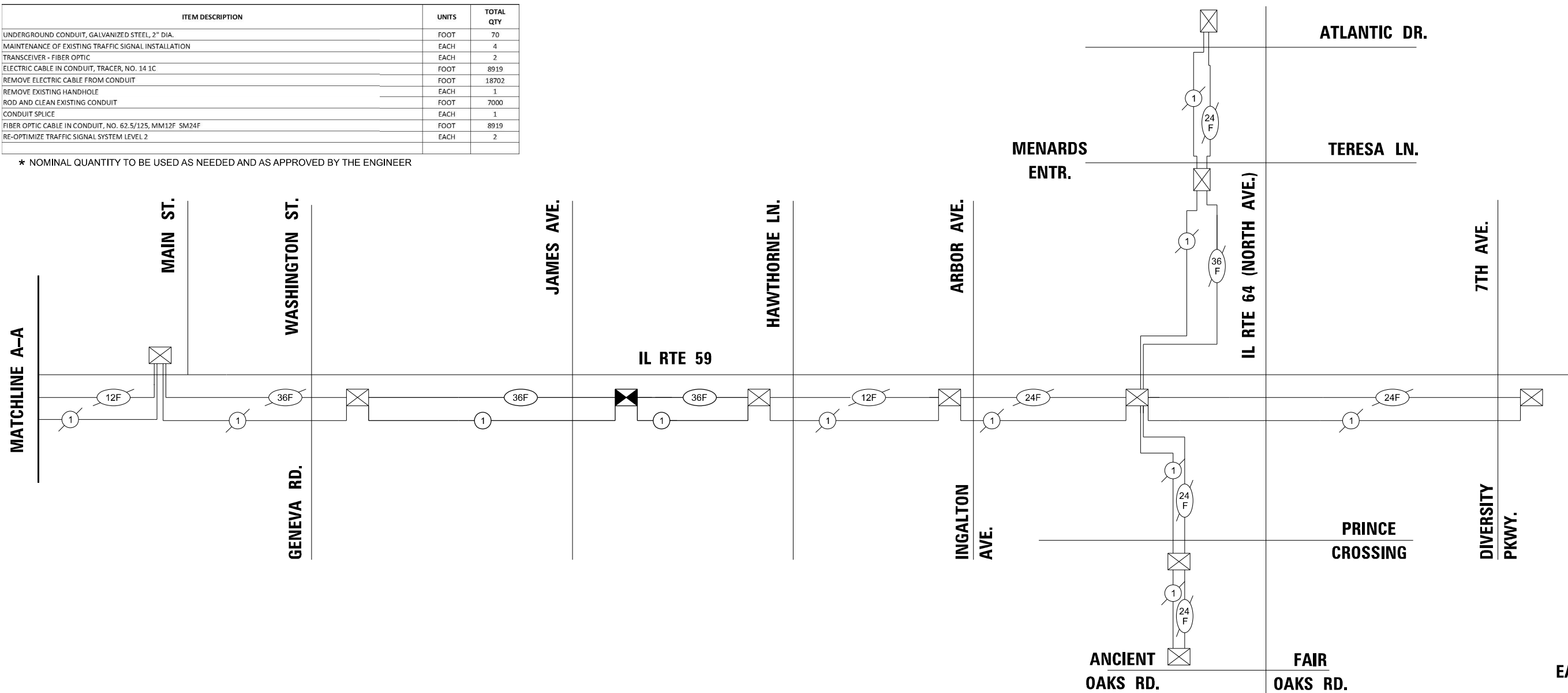
SCALE: SHEET OF SHEETS STA. TO STA.

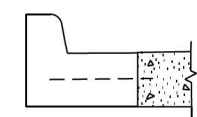
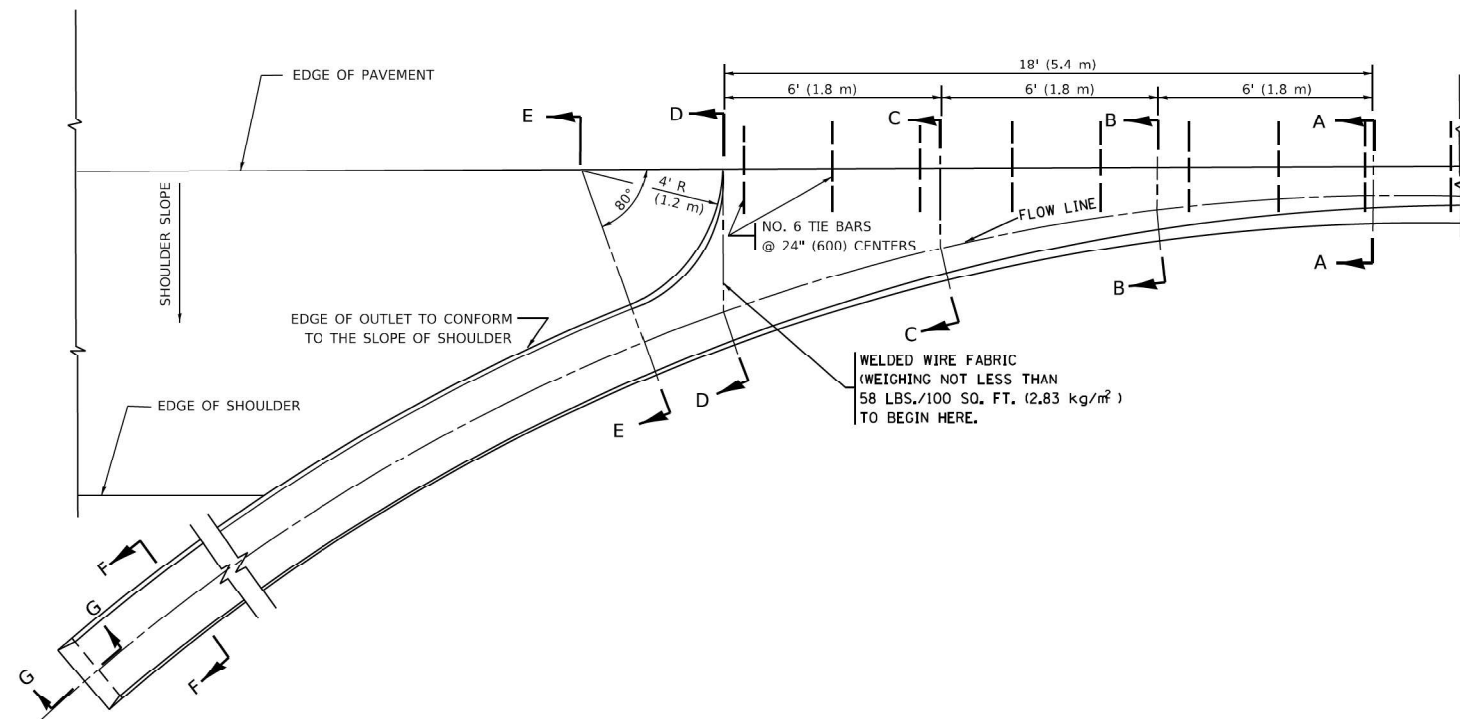
F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY	TOTAL SHEETS 82	SHEET NO. 63
DUPAGE			CONTRACT NO. 62P22	
ILLINOIS FED. AID PROJECT				

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	70
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4
TRANSCIEVER - FIBER OPTIC	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	8919
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	18702
REMOVE EXISTING HANDHOLE	EACH	1
* ROD AND CLEAN EXISTING CONDUIT	FOOT	7000
CONDUIT SPLICE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	8919
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2

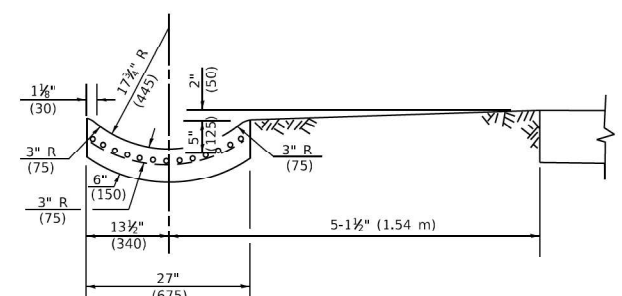
\* NOMINAL QUANTITY TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER



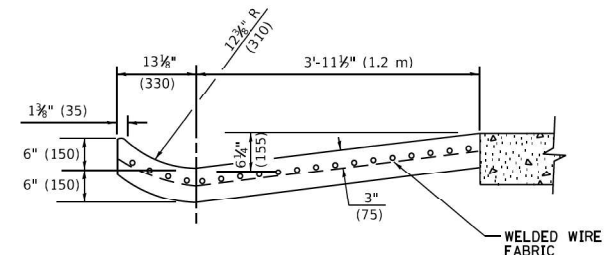


**SECTION A-A \***

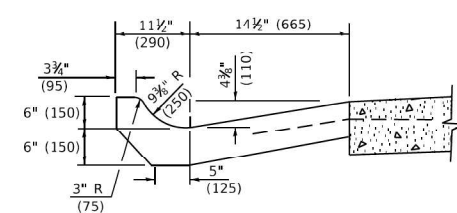
\* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



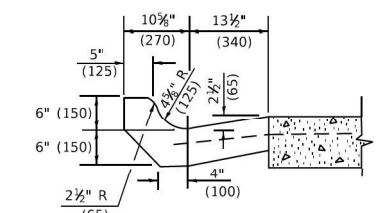
**SECTION E-E**



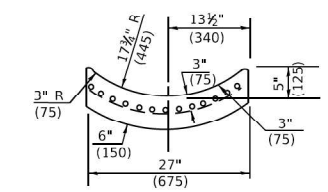
**SECTION D-D**



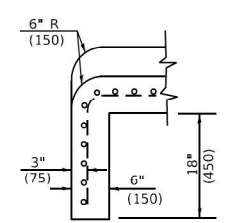
**SECTION C-C**



**SECTION B-B**



**SECTION F-F**



**SECTION G-G**

**GENERAL NOTES**

- GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
- TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.
- IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 5' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

**METHOD OF MEASUREMENT**

FOR SECTION A-A TO E-E AND CURTAIN WALL=  
 1.25 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 9" (225) PAV'T.  
 1.27 CU. YDS. (0.96<sup>3</sup>m ) CLASS SI CONCRETE (OUTLET) FOR 10" (250) PAV'T.  
 FOR SECTION F-F=  
 0.045 CU. YDS. (0.03<sup>3</sup>m ) CLASS SI CONCRETE PER FT. (M).

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

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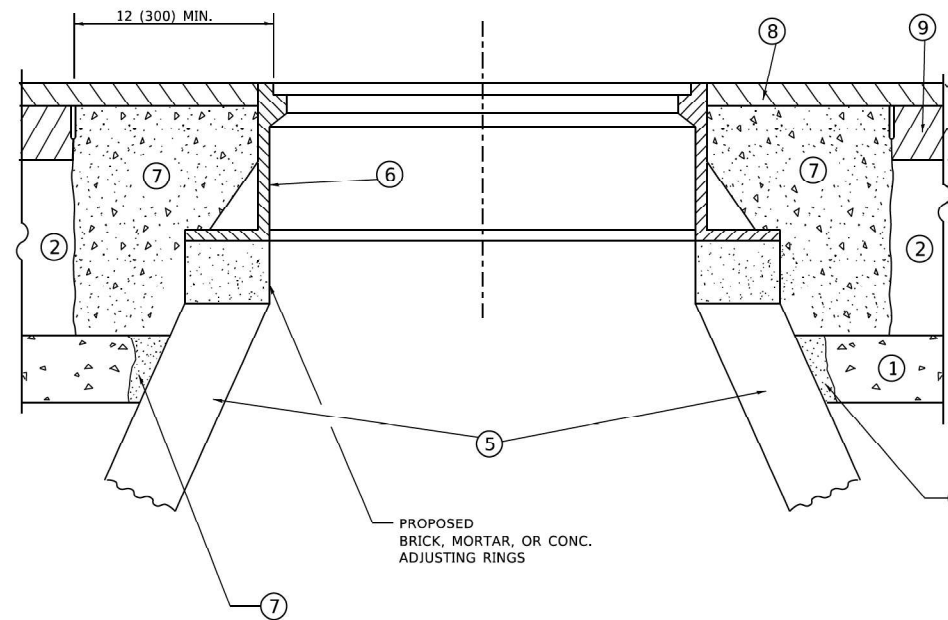
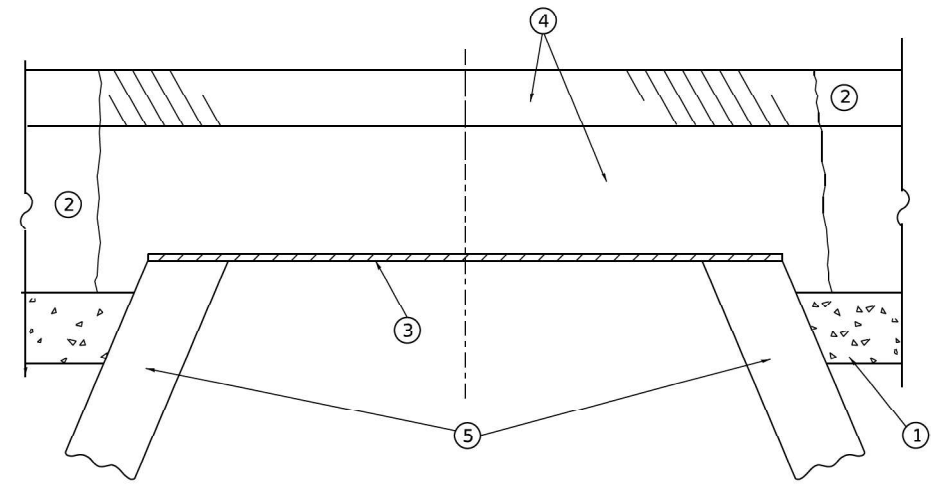
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - E. GOMEZ 12-21-00
PLOT DATE = 2/2/2022	CHECKED -	REVISED - K. SMITH 08-27-19
	DATE - 08-04-86	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE  
CURB AND GUTTER**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	64
<b>BD600-01 (BD-03)</b>		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				



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

**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

**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.

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. BORO 03-09-11
PLOT DATE = 2/2/2022	CHECKED -	REVISED - R. BORO 12-06-11
	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

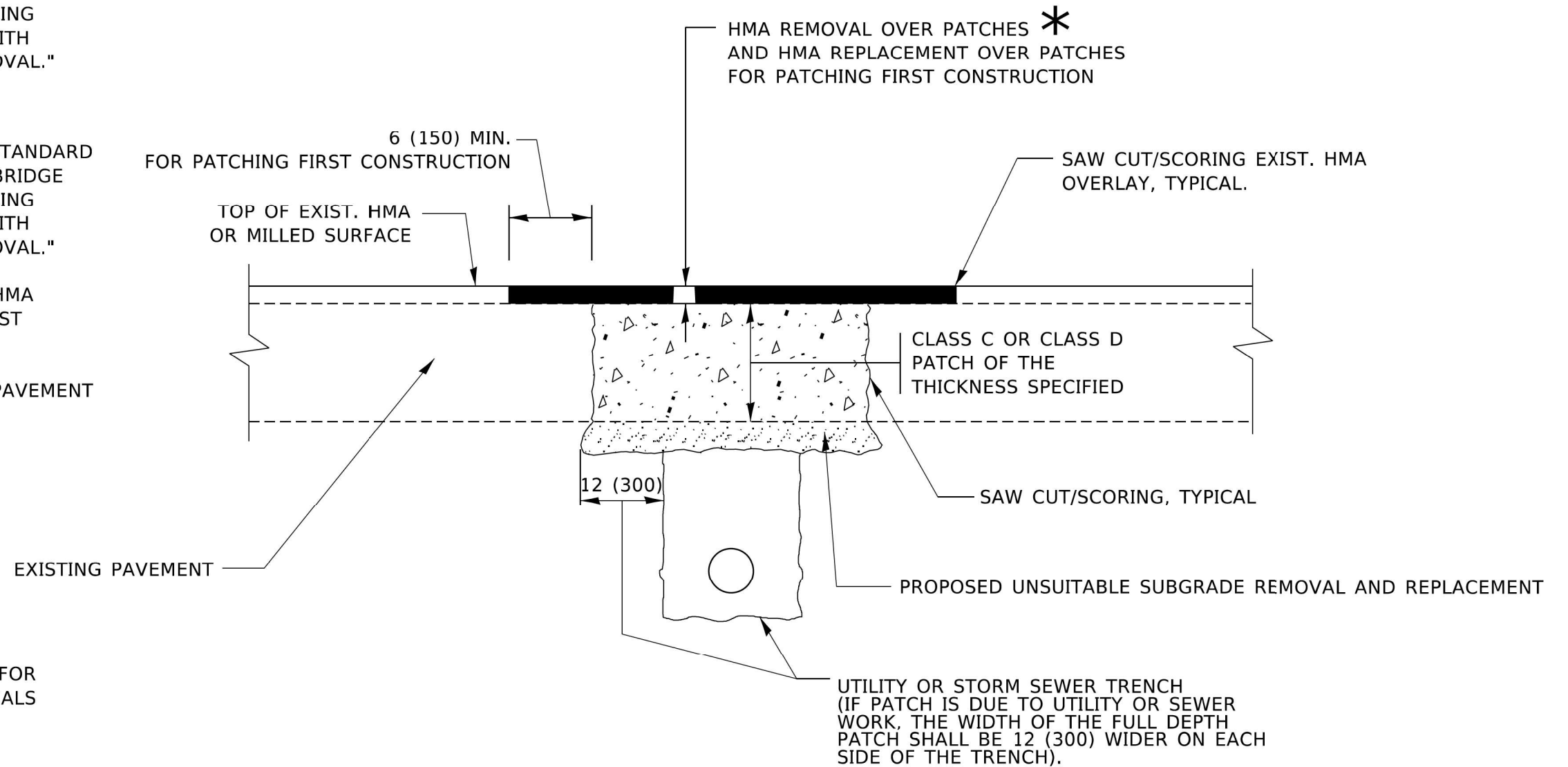
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	65
BD600-03 (BD-08)			CONTRACT NO. 62P22	
ILLINOIS FED. AID PROJECT				

**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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PLOT DATE = 2/2/2022	DATE - 10-25-94	REVISED - K. SMITH 02-01-22

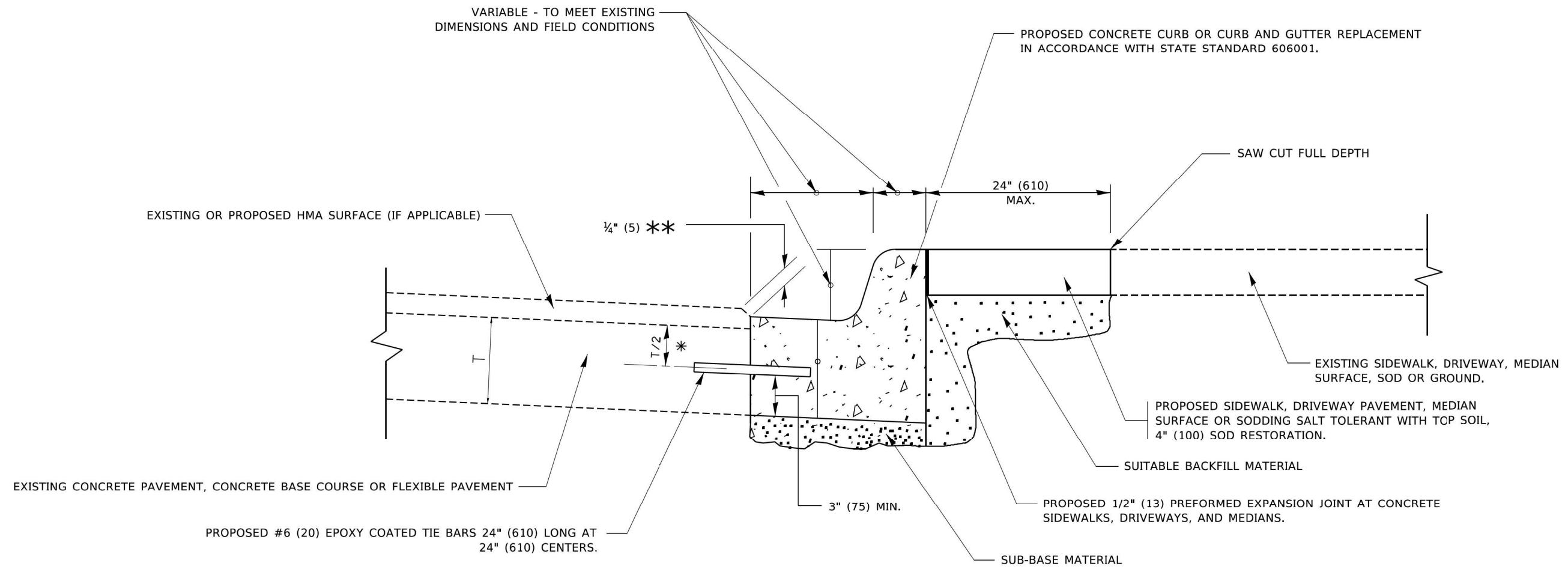
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	66
<b>BD400-04 (BD-22)</b>		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				





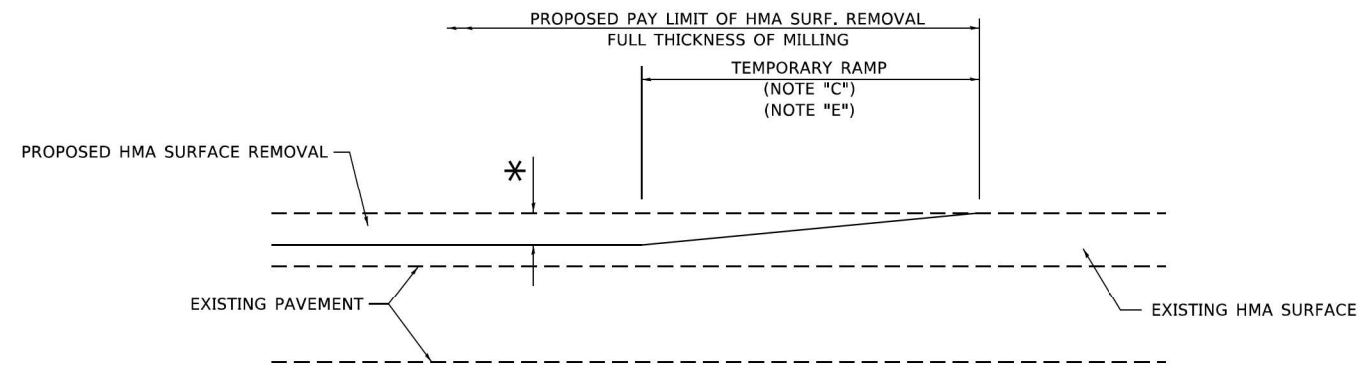
- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

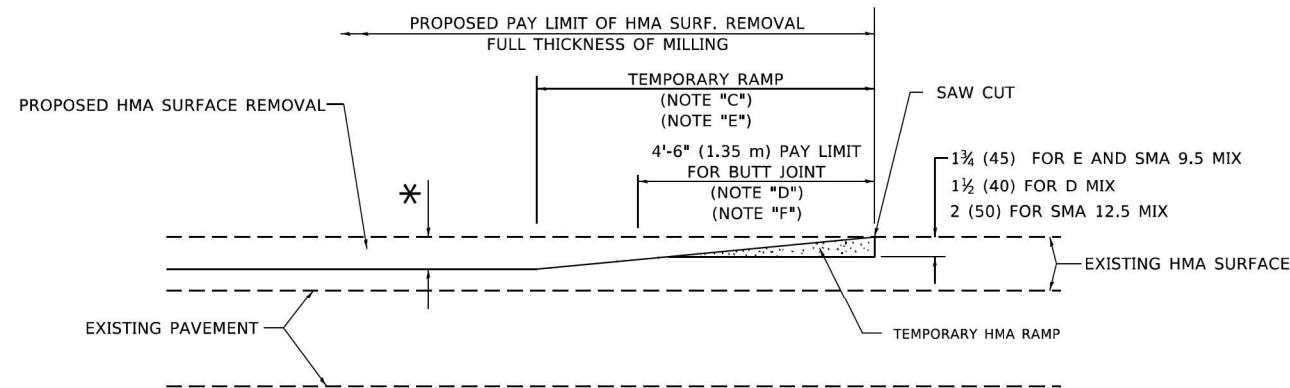
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				SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

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

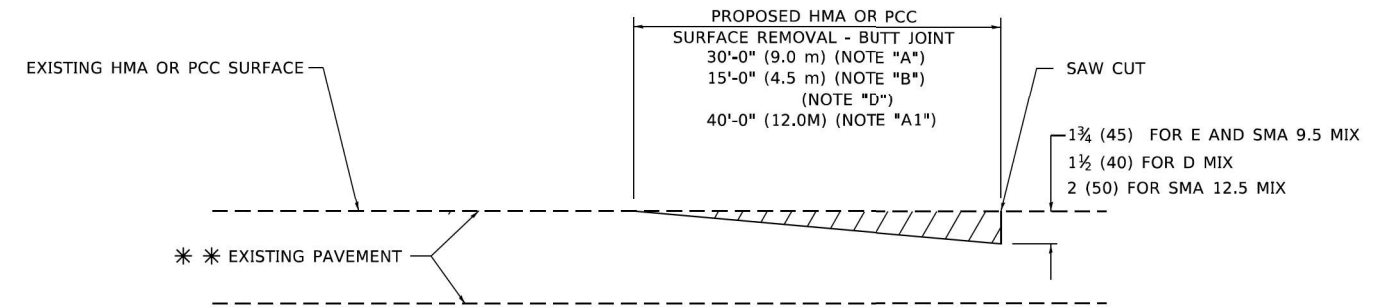
**OPTION 1**



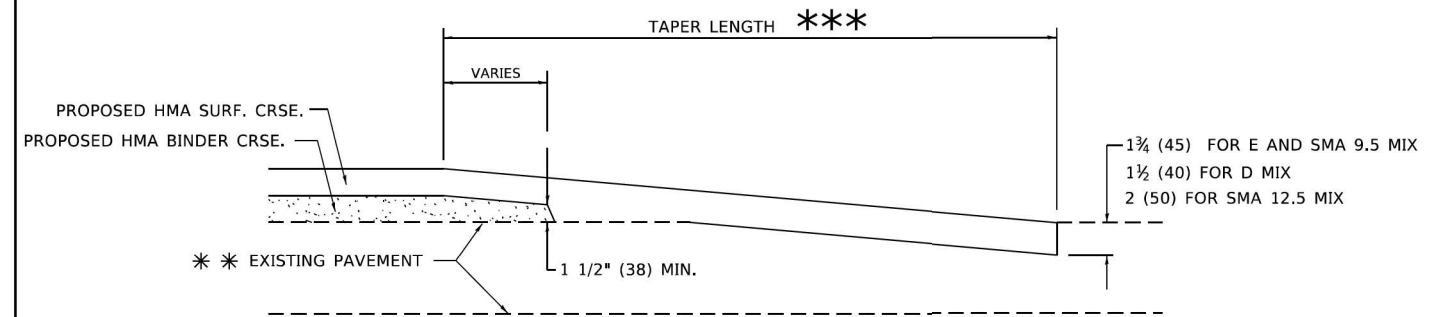
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**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.

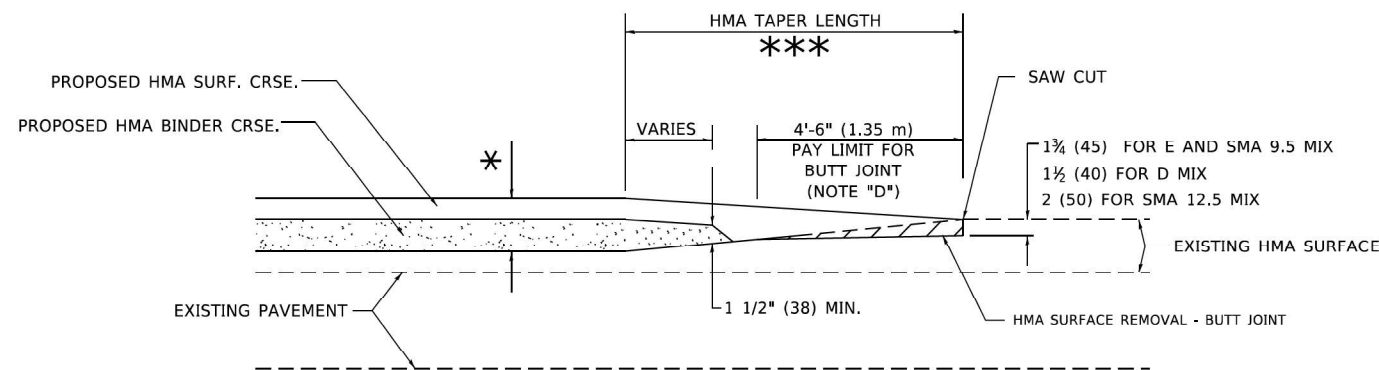
**GENERAL NOTES**

- 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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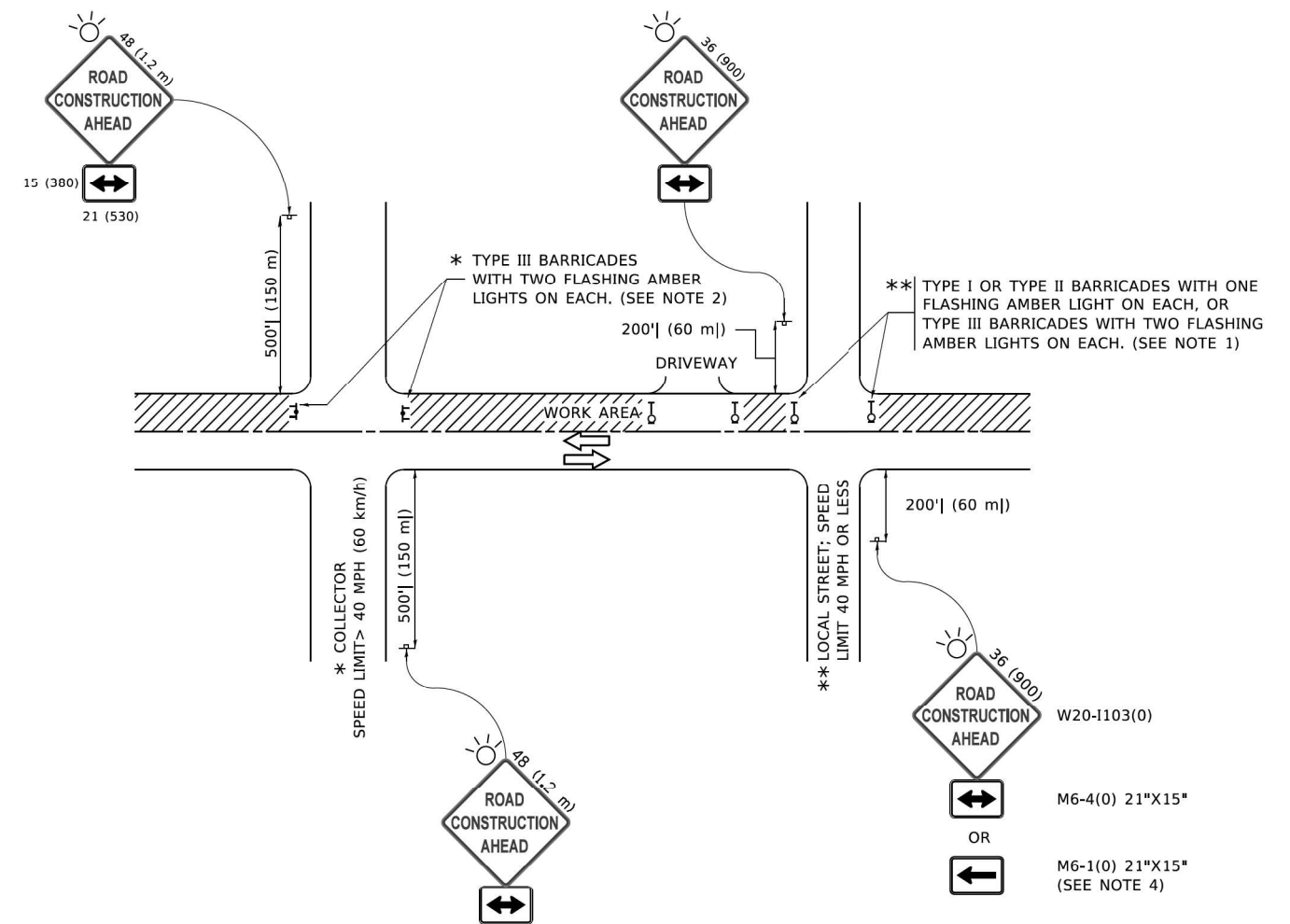
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PLOT DATE = 2/2/2022	DATE - 06-13-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	68
BD400-05 BD-32		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
 

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

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

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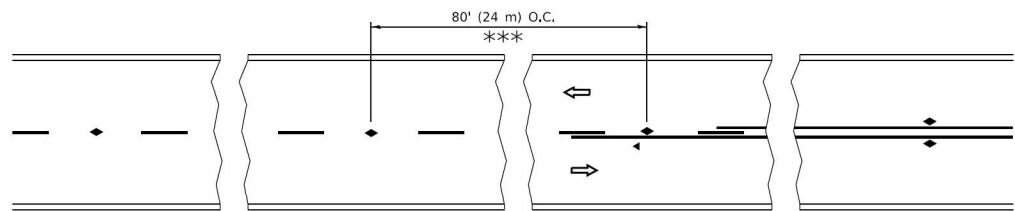
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

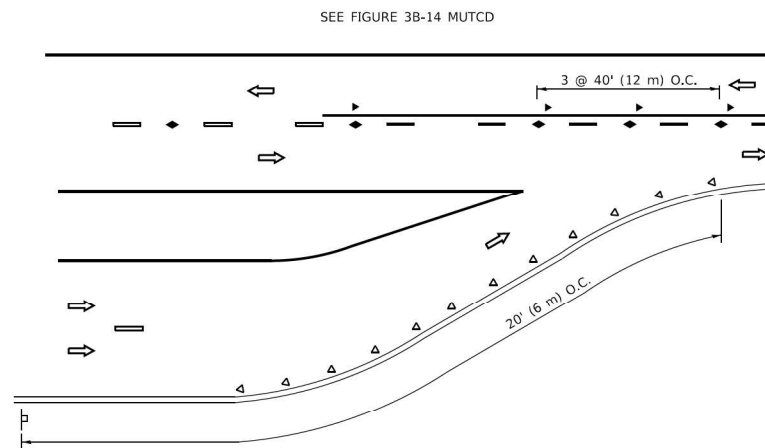
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<b>TC-10</b>			CONTRACT NO. 62P22	
ILLINOIS FED. AID PROJECT				

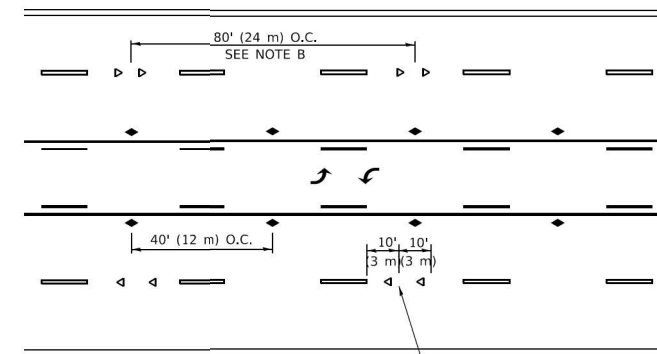


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

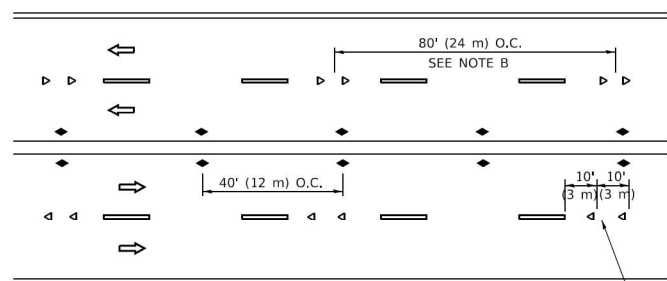
**TWO-LANE/TWO-WAY**



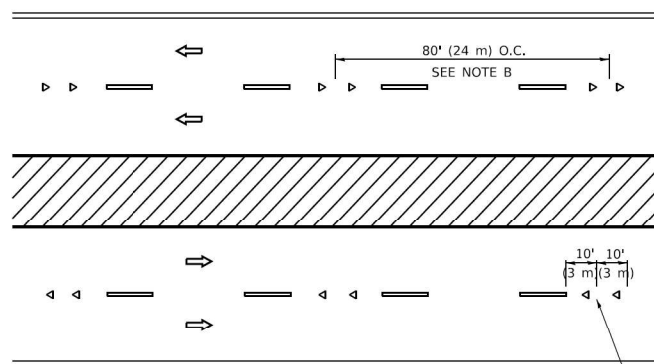
**LANE REDUCTION TRANSITION**



**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**

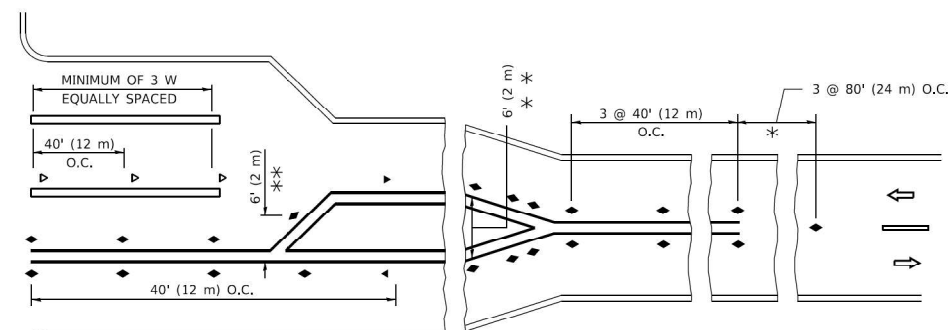
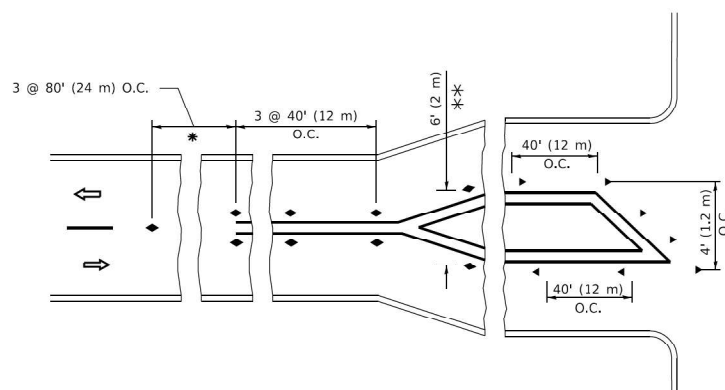
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**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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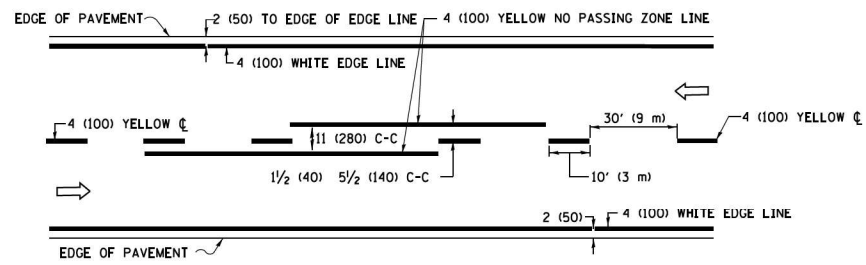
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

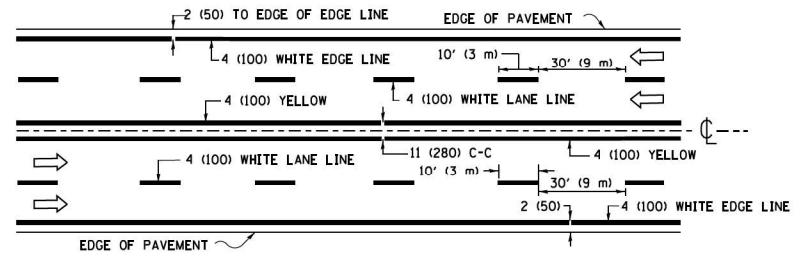
**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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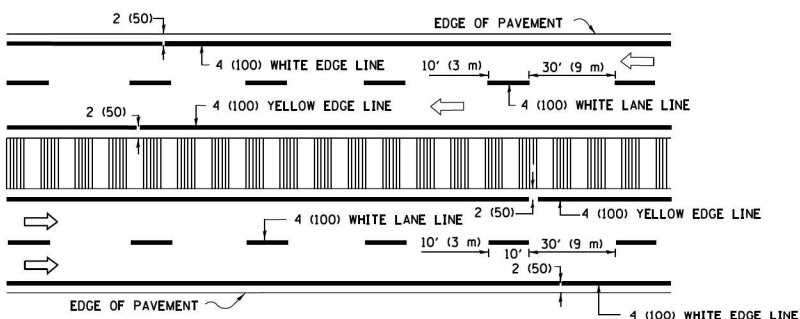
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	70
TC-11		CONTRACT NO. 62P22		
ILLINOIS		FED. AID PROJECT		



**2-LANE ROADWAY**

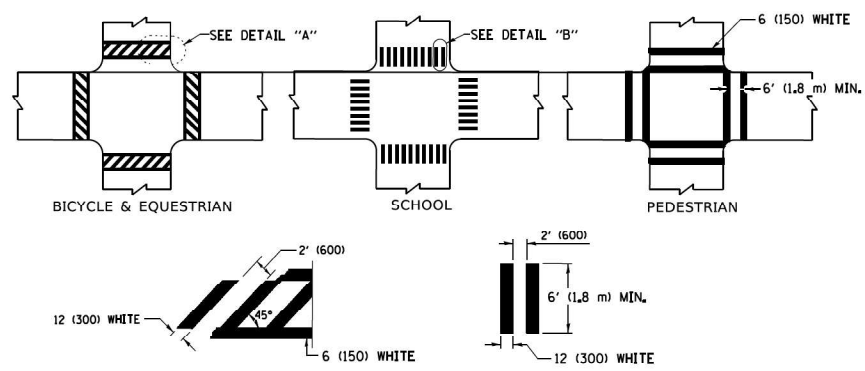


**MULTI-LANE UNDIVIDED**



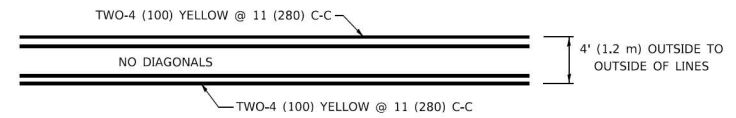
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

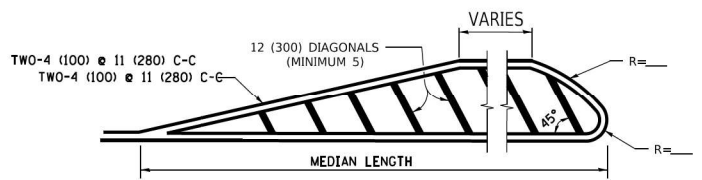


**TYPICAL CROSSWALK MARKING**

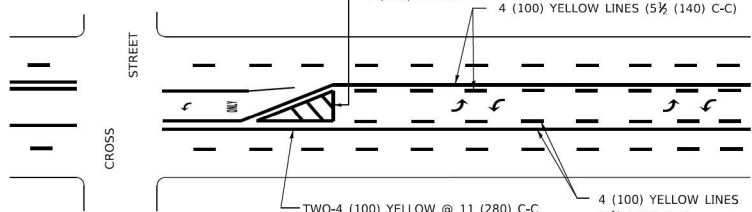
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



**4' (1.2 m) WIDE MEDIANS ONLY**

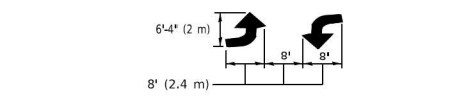


**MEDIANS OVER 4' (1.2 m) WIDE**



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

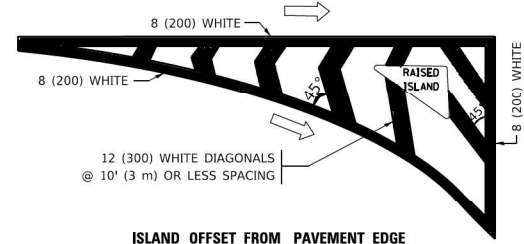
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



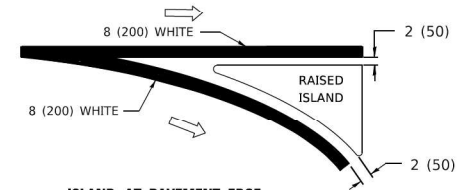
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>) 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".

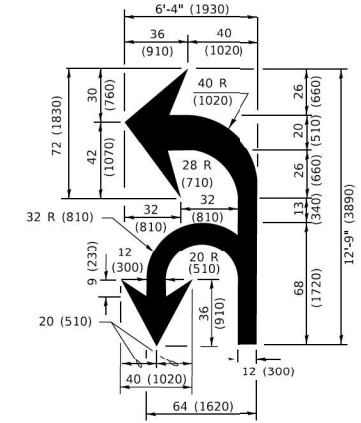


**ISLAND OFFSET FROM PAVEMENT EDGE**

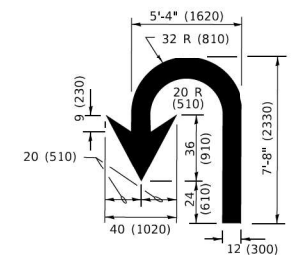


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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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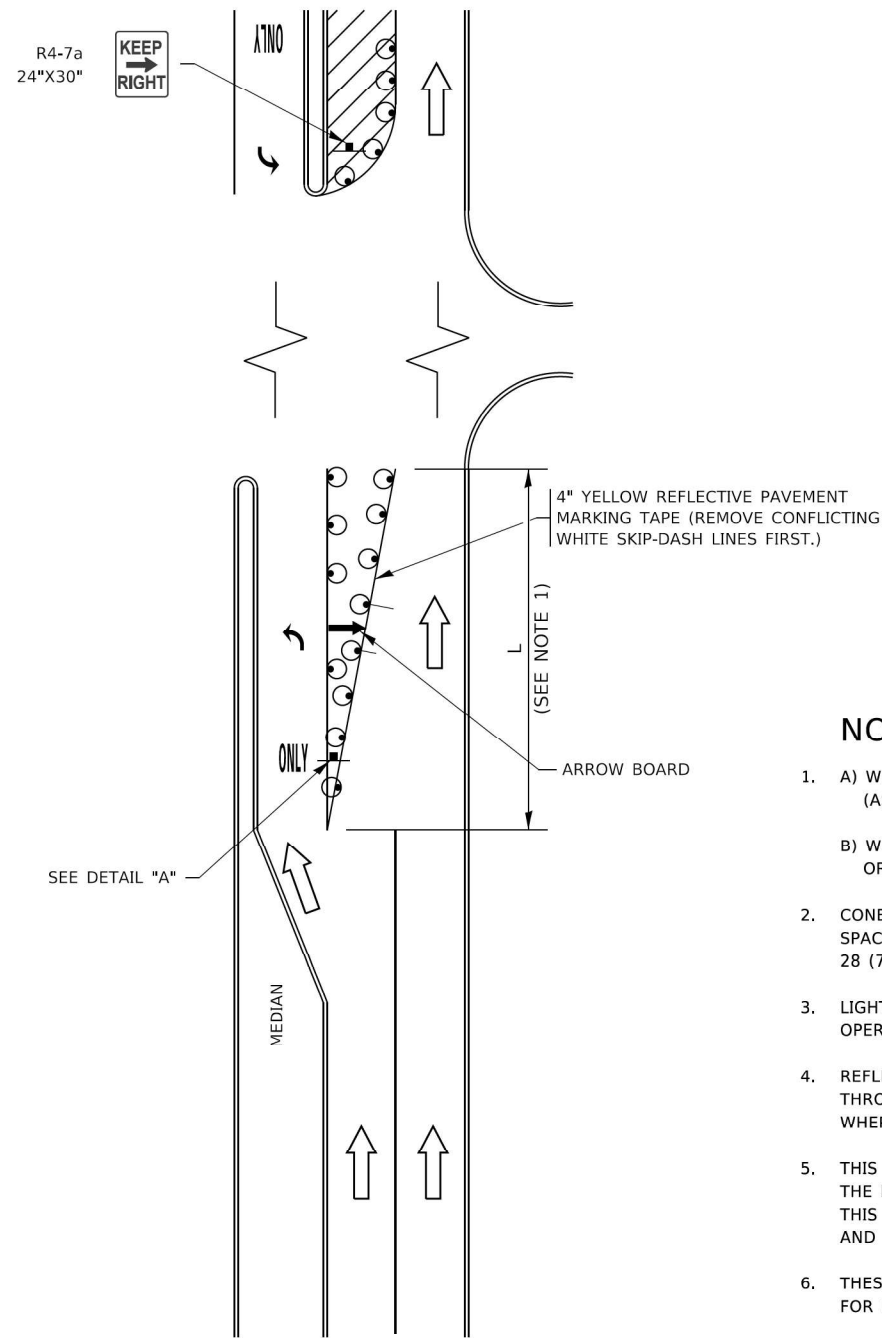
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PLOT SCALE = 50.0000" / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	

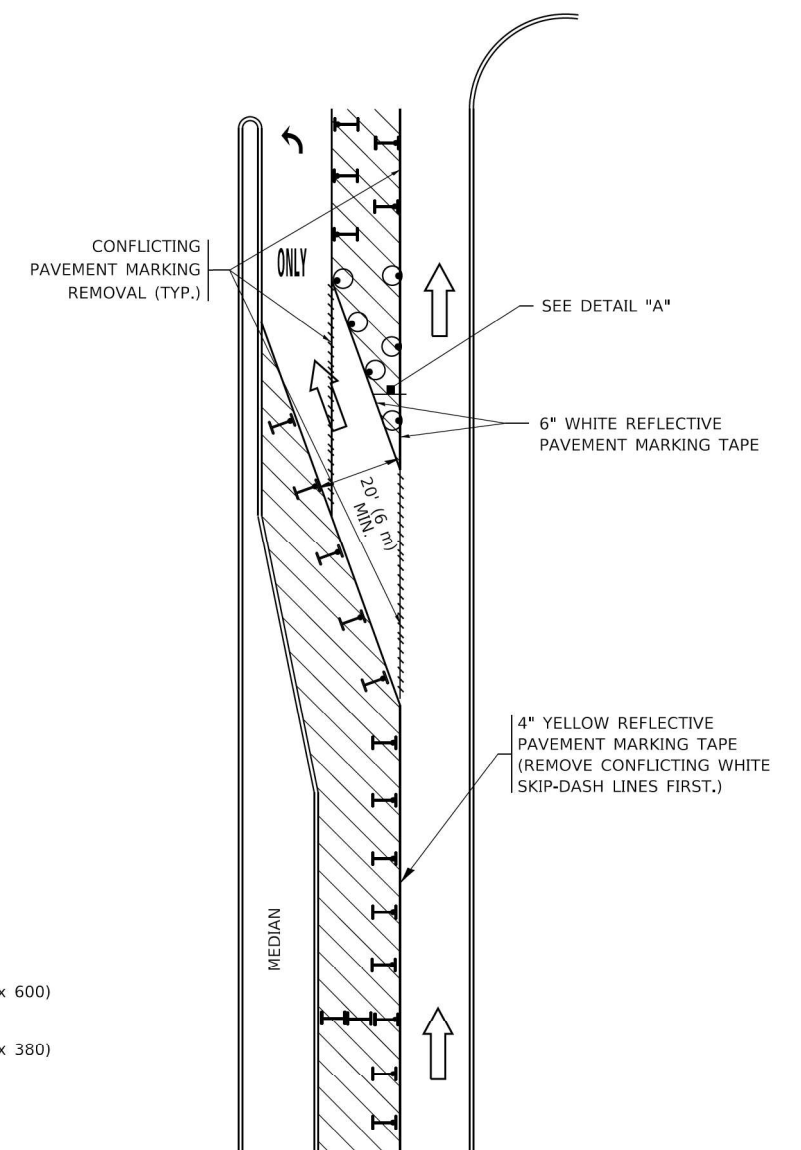
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<b>TC-13</b>		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



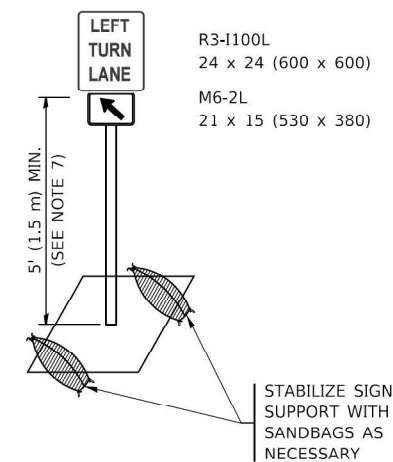
**FIGURE 2**

### 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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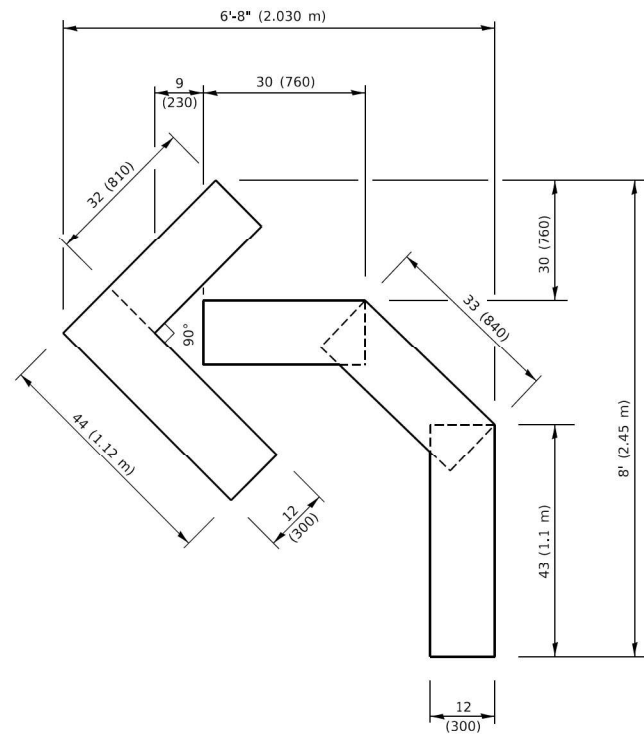
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	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

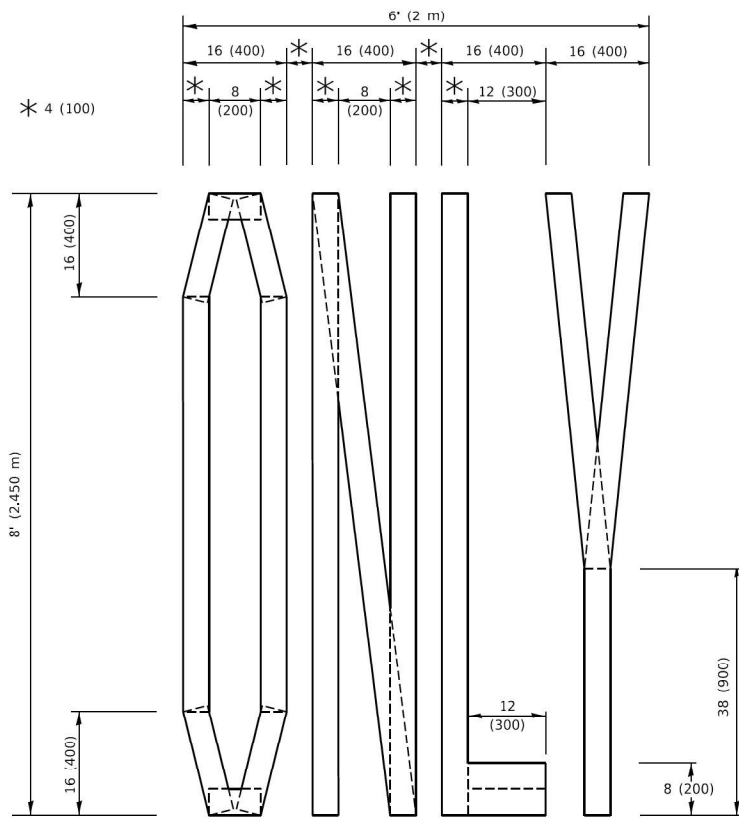
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F.A.P. RTE. 338	SECTION 2021-087-TS&N	COUNTY	TOTAL SHEETS 82	SHEET NO. 72
TC-14		DUPAGE	CONTRACT NO. 62P22	
ILLINOIS FED. AID PROJECT				



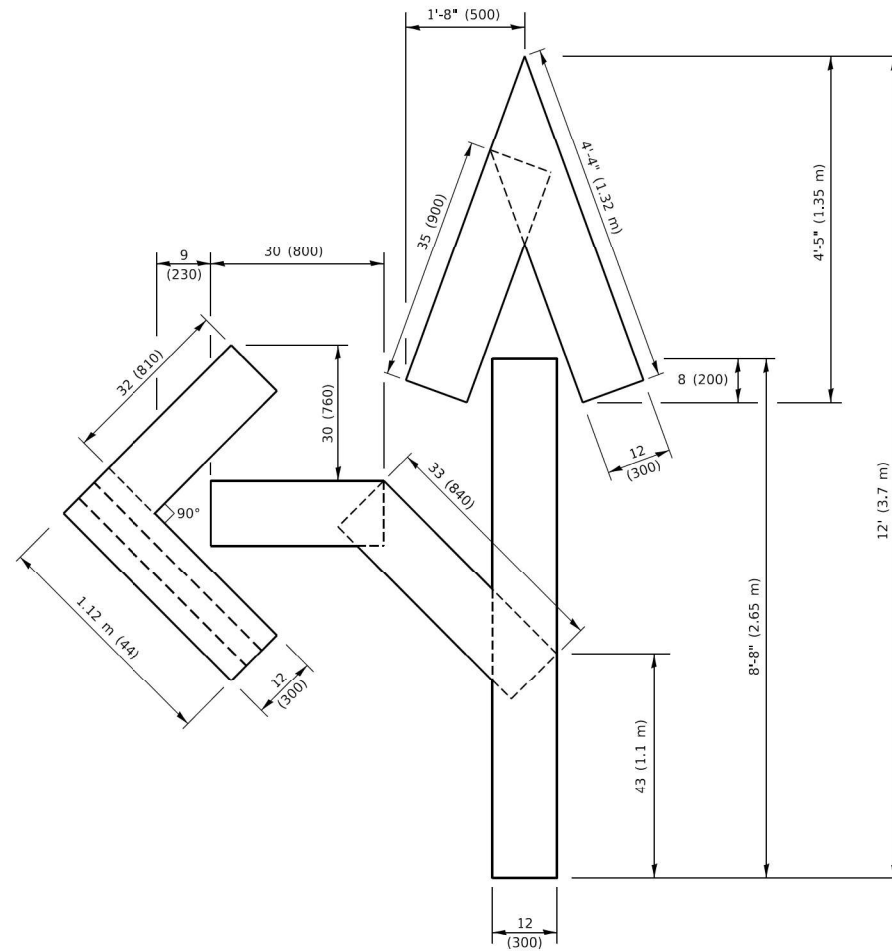
**QUANTITY**

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)

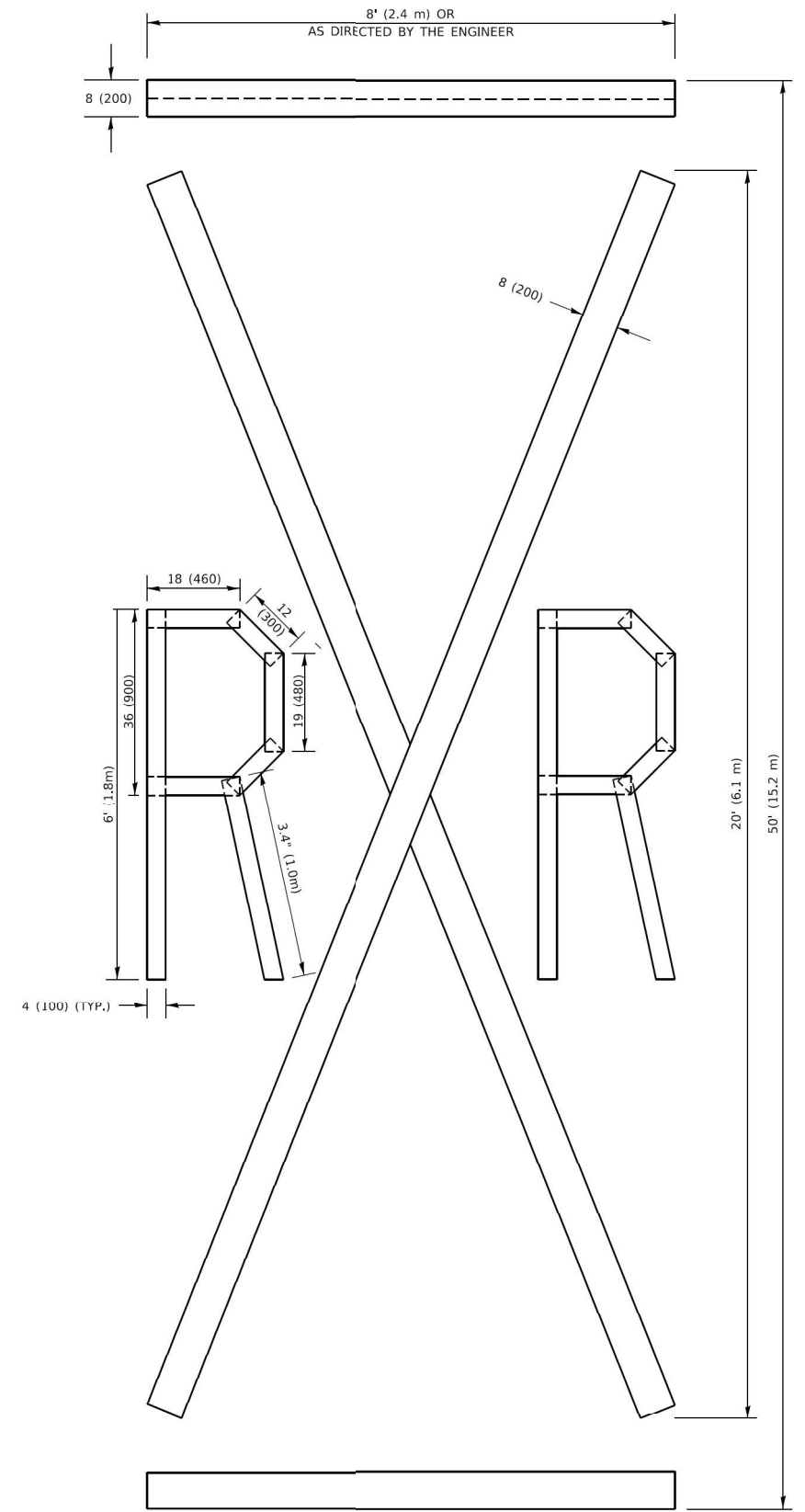


**QUANTITY**

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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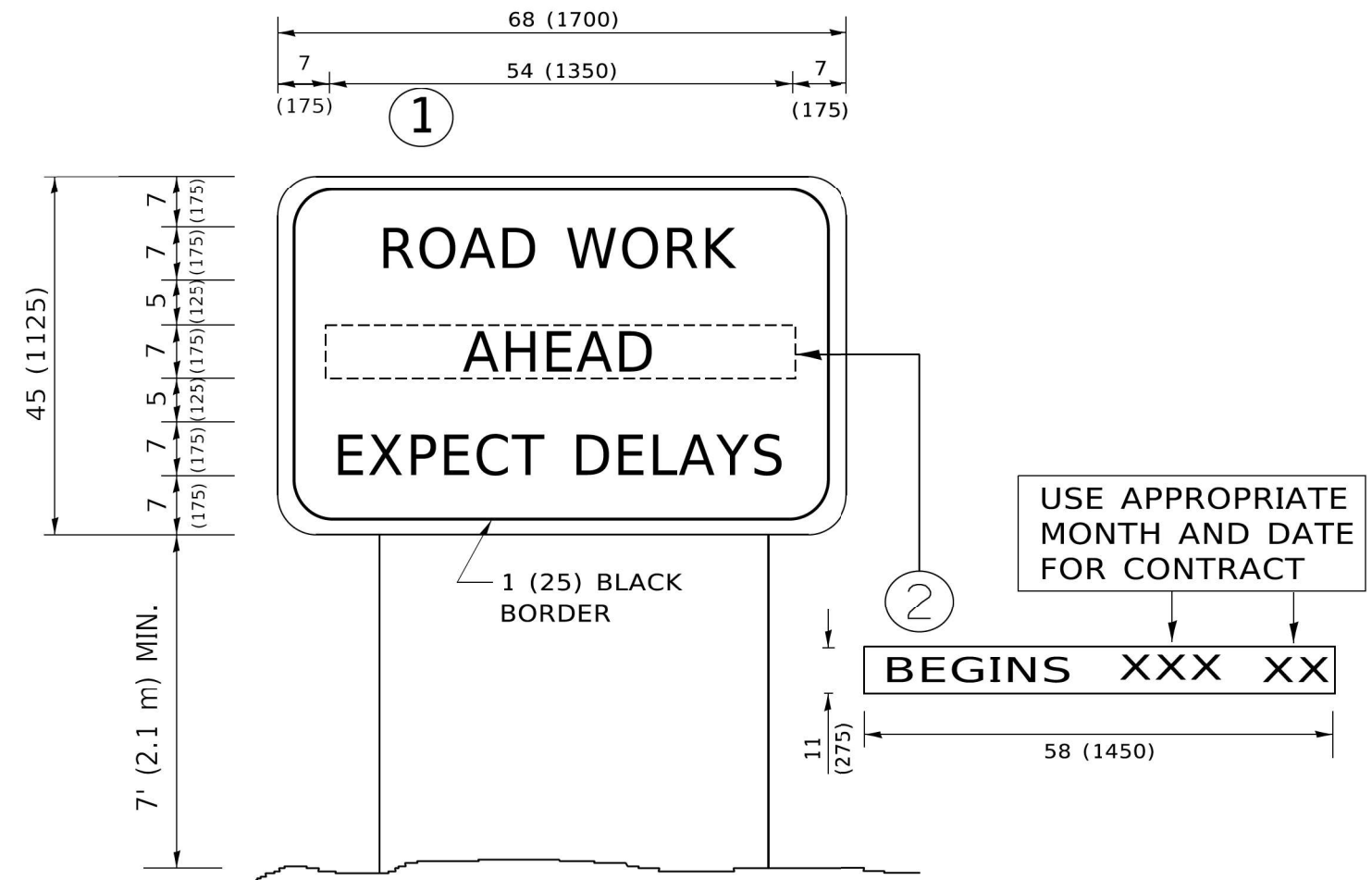
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	73
<b>TC-16</b>			CONTRACT NO. 62P22	
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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	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

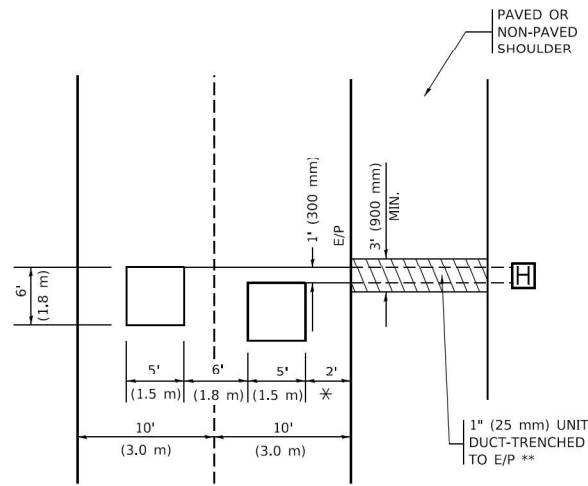
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	74
<b>TC-22</b>		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				



**LOOPS NEXT TO SHOULDERS**

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



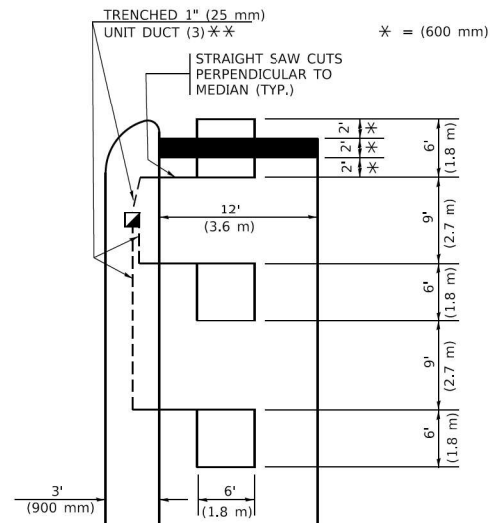
\* = (600 mm)

\*\* 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.



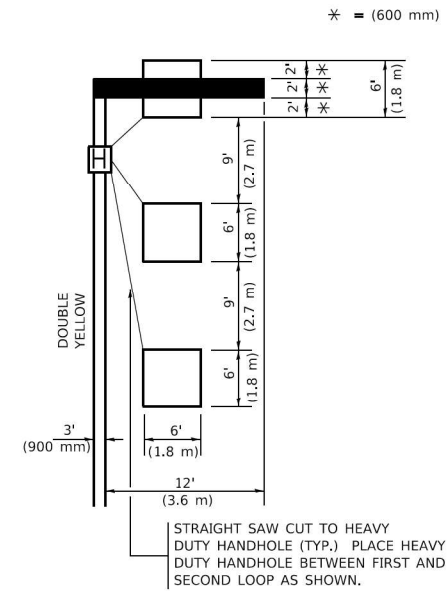
\* = (600 mm)

\*\* 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.

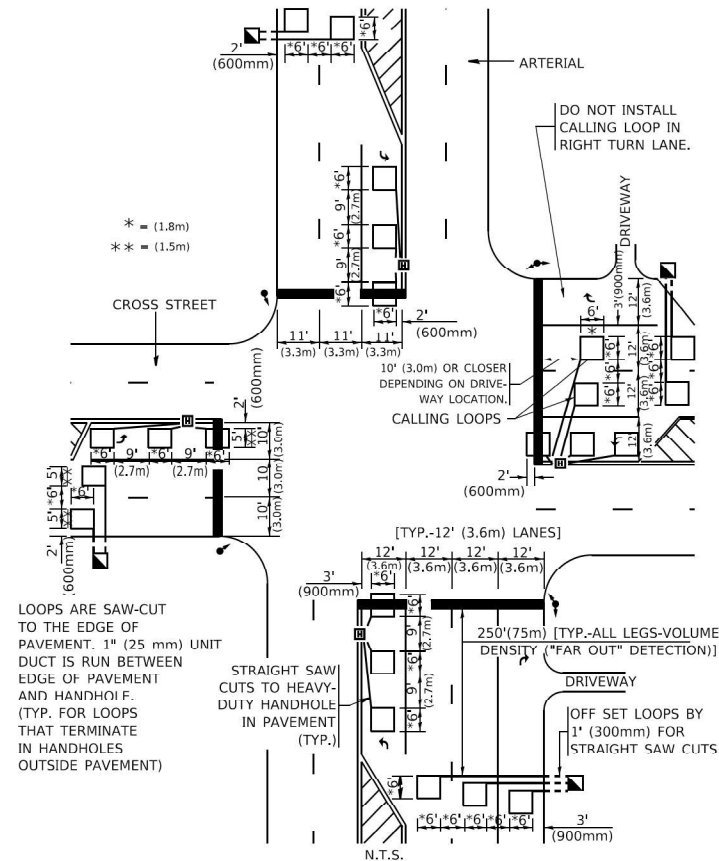
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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



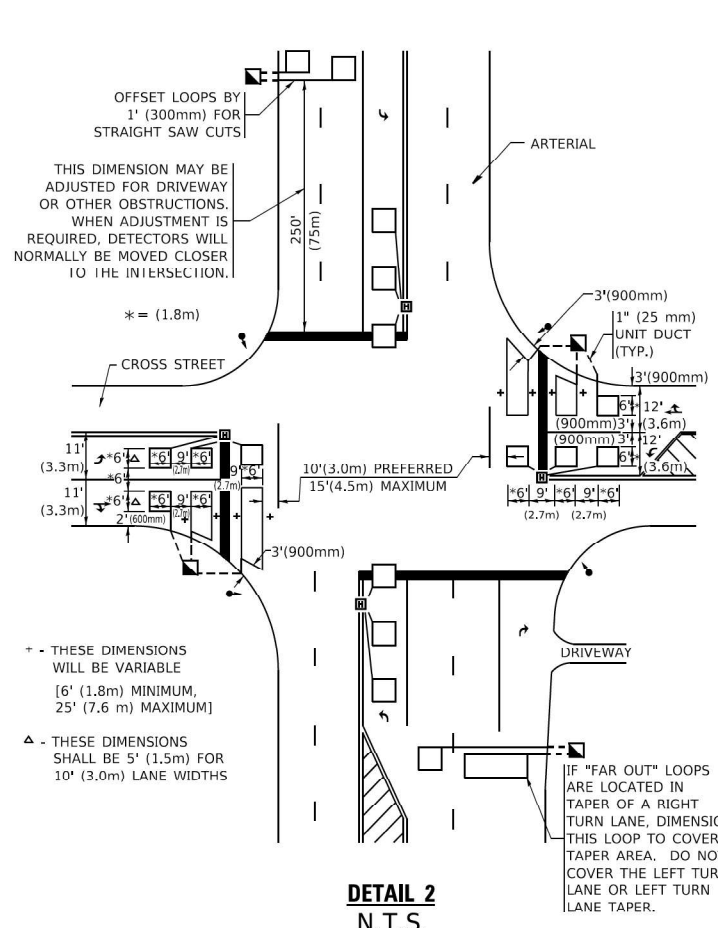
\* = (1.8m)  
\*\* = (1.5m)

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.)

**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]  
△ - 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**

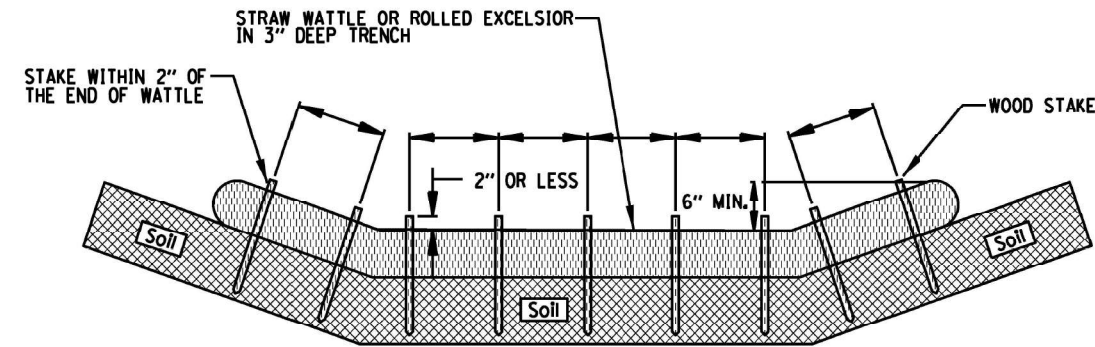
**DISTRICT 1 - DETECTOR LOOP INSTALLATION**  
**DETAILS FOR ROADWAY RESURFACING**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-07</b>		CONTRACT NO. 62P22		
ILLINOIS FED. AID PROJECT				

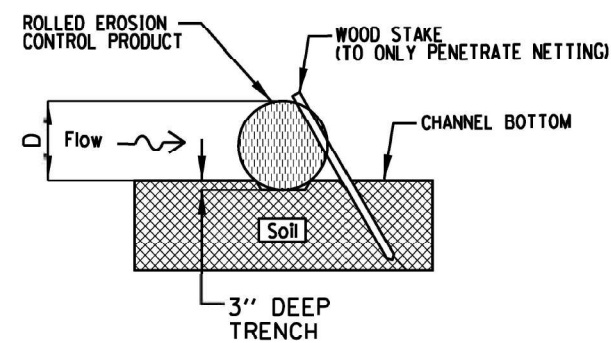
# ROLLED EROSION CONTROL PRODUCTS

## STAKING PATTERN GUIDE



- NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
  2. 4' SPACING FOR WATTLES.
  3. 2' SPACING FOR ROLLED EXCELSIOR.
  4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

## STAKE DETAIL



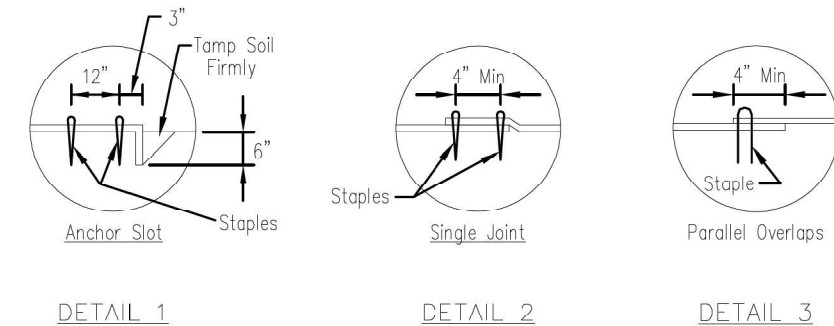
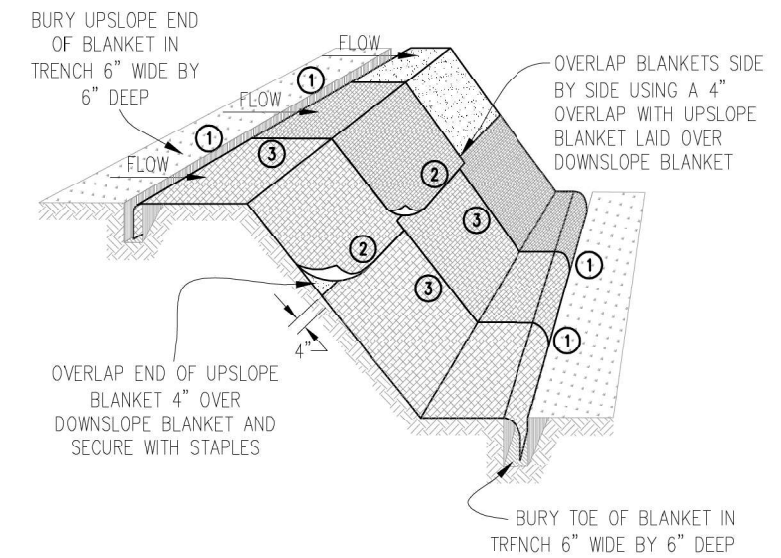
- NOTES:
1. DRAWINGS ARE NOT TO SCALE.
  2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
  3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
  4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
  5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.  
IUM-514  
SHEET 1 OF 1  
DATE 08-2-2019

AUTOCAD2006



DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL

PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1  
Drawing No. IUM-530  
File No.

## EROSION CONTROL BLANKET INSTALLATION DETAILS

Designed \_\_\_\_\_ Date \_\_\_\_\_  
Drawn B. JOHNSON 11/08  
Checked \_\_\_\_\_  
Approved \_\_\_\_\_

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PLOT DATE = 6/9/2022	CHECKED - JAC	REVISED -
	DATE - 06-2022	REVISED -

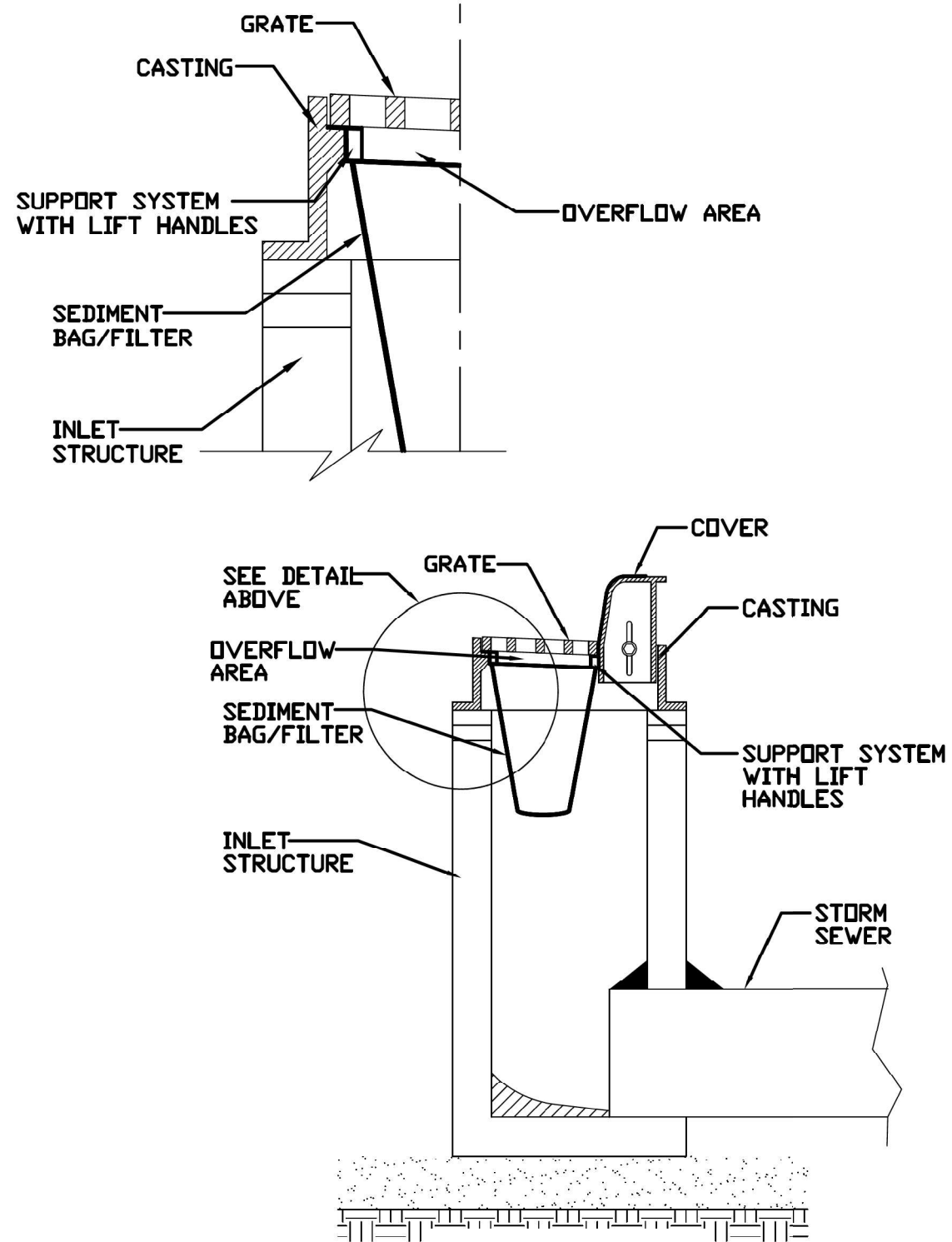
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS URBAN MANUAL  
STANDARD DRAWINGS

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N		82	76
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

# INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION

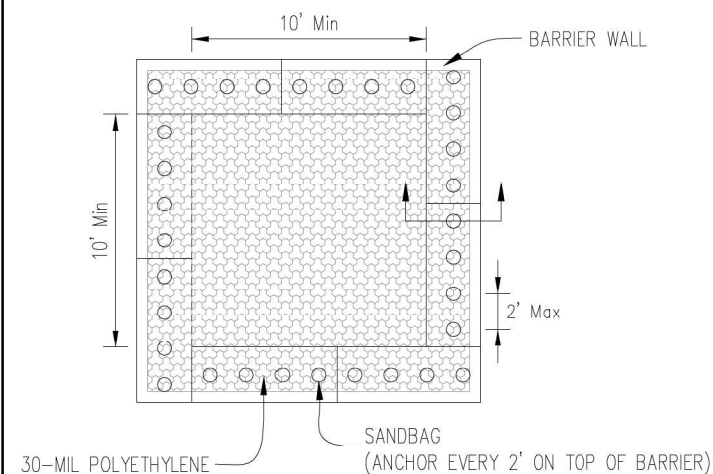


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Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

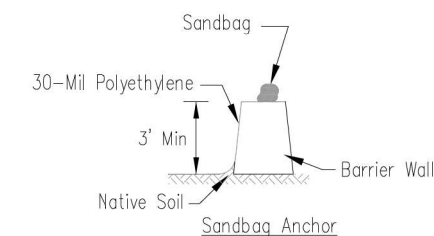


STANDARD DWG. NO.  
**IUM-561D**  
SHEET 1 OF 1  
DATE 01-11-11

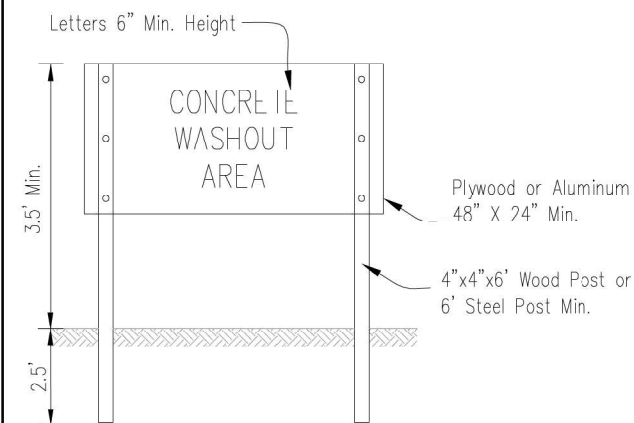
AUTOCAD2006



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

File No. IUM-554RW  
Contract No. 62P22

## TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL

Designed	_____	Date	_____
Drawn	B. JOHNSON	Date	6/08
Checked	_____		
Approved	_____		

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	DATE - 06-2022	REVISED -

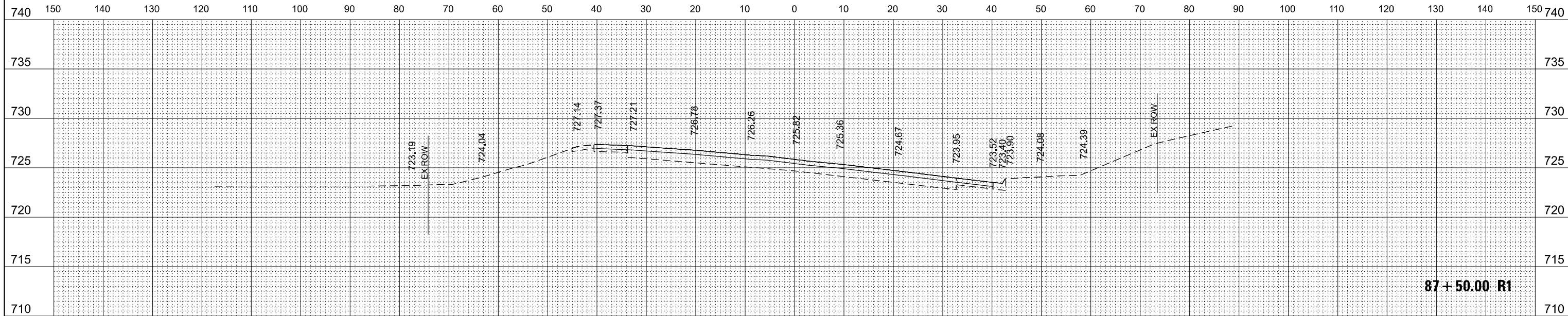
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS URBAN MANUAL  
STANDARD DRAWINGS

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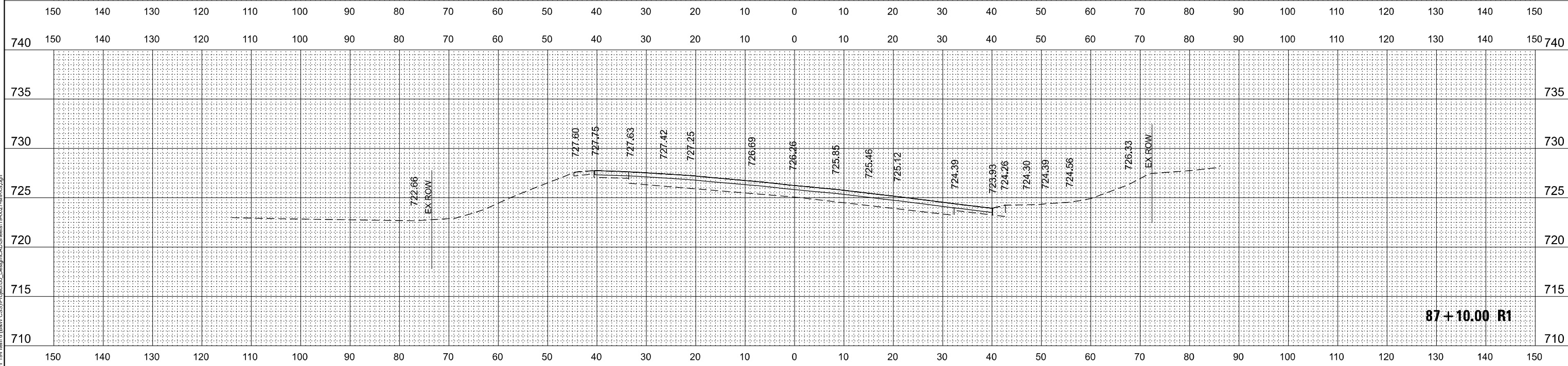
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			DUPAGE	CONTRACT NO. 62P22
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



**87 + 50.00 R1**

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



**87 + 10.00 R1**

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PLOT DATE	= 6/9/2022

DESIGNED	- GS
DRAWN	- GS
CHECKED	- JAC
DATE	- 06-2022

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 59  
CROSS SECTIONS**

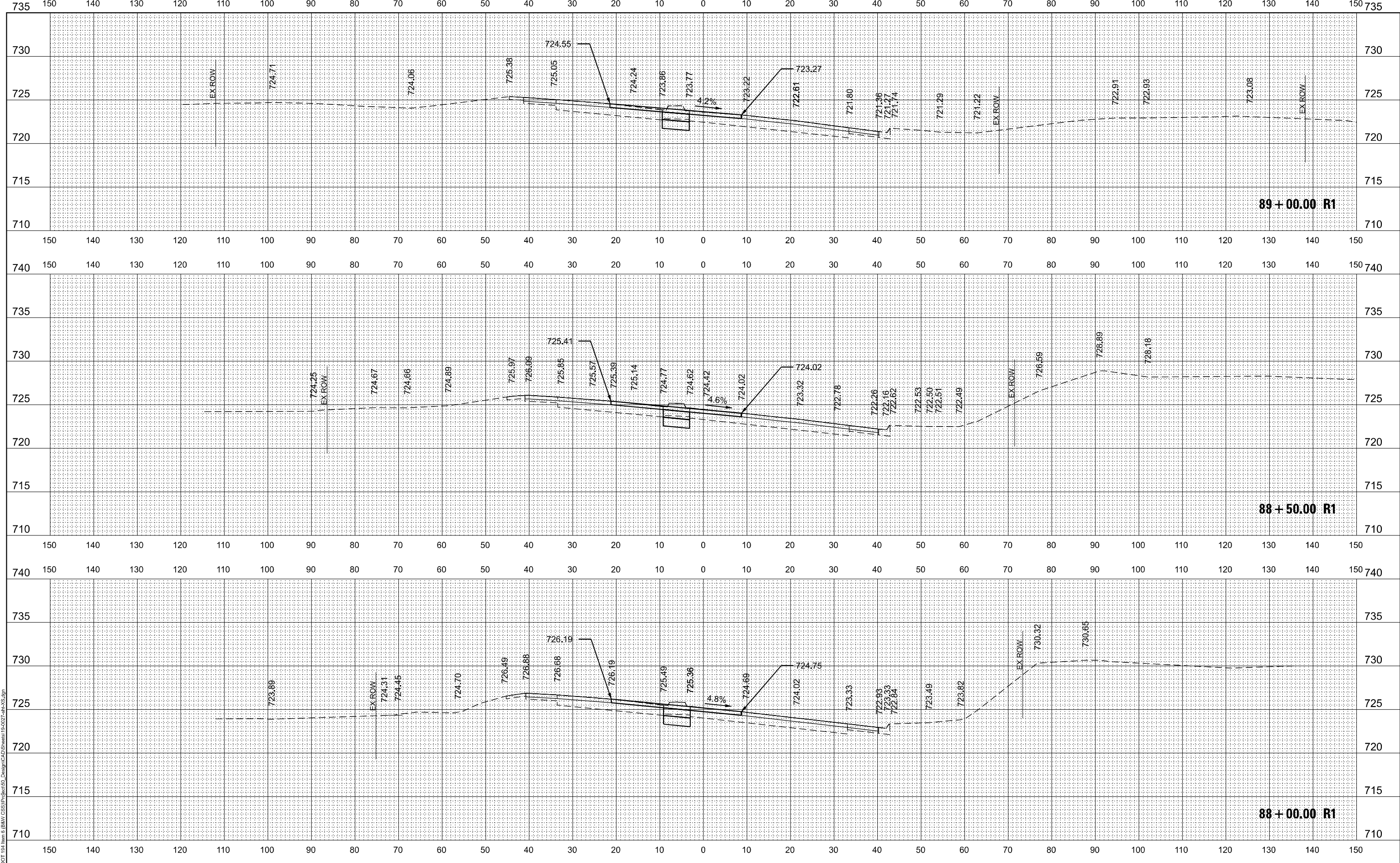
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CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 59  
CROSS SECTIONS**

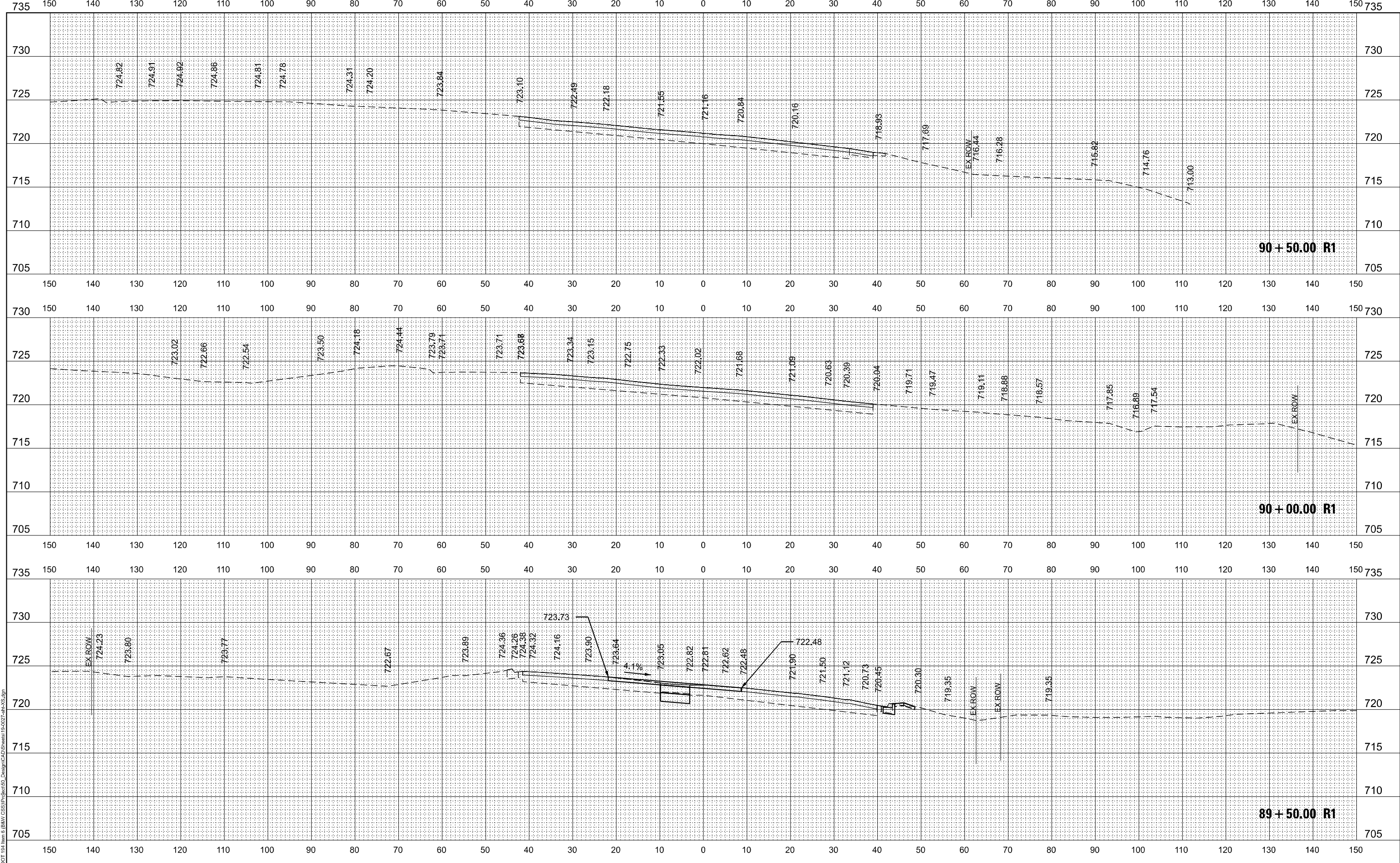
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338	2021-087-TS&N	DUPAGE	82	79
CONTRACT NO. 62P22				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
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NOTE BOOK	
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NO.	

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	DRAWN - GS	REVISED -
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PLOT DATE = 6/9/2022	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

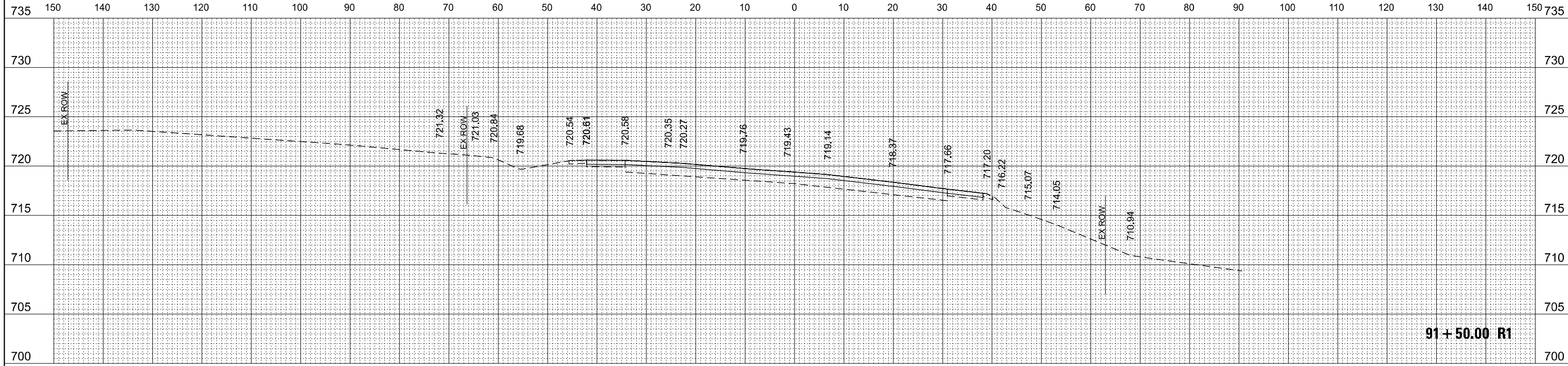
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CROSS SECTIONS**

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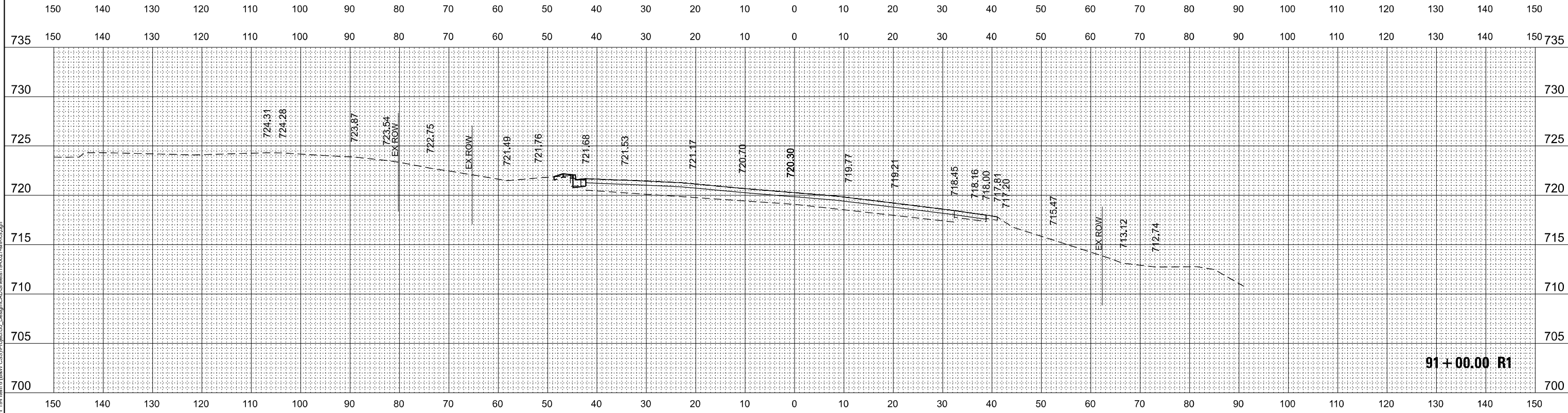
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338	2021-087-TS&N	DUPAGE	82	80
CONTRACT NO. 62P22				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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PLOT DATE =	6/9/2022	DATE -	06-2022	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 59  
CROSS SECTIONS**

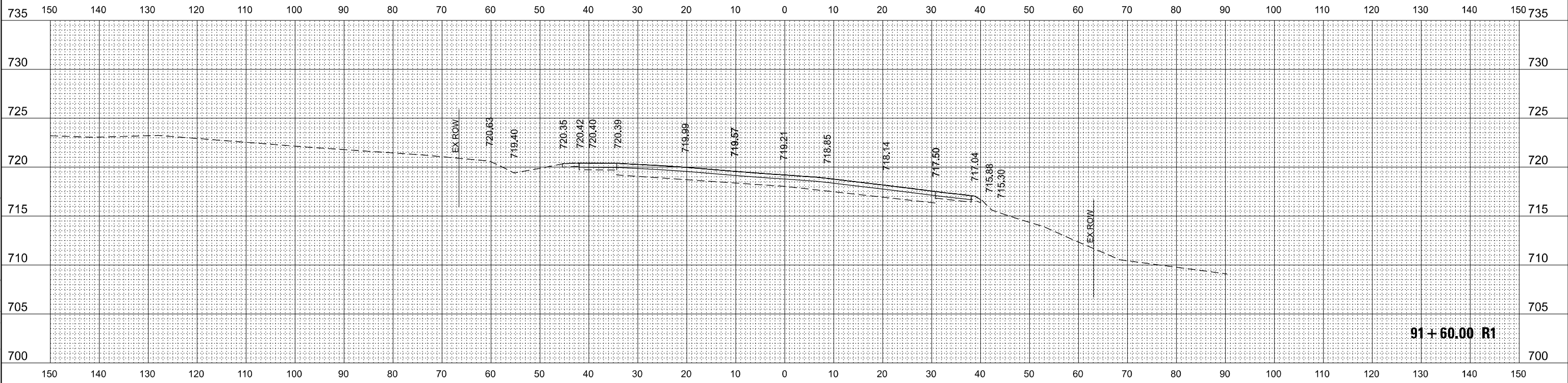
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338	2021-087-TS&N	DUPAGE	82	81
CONTRACT NO. 62P22				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

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PLOT SCALE = 20,0012" / 1"	CHECKED - JAC	REVISED -
PLOT DATE = 6/9/2022	DATE - 06-2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 59  
CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 91+60.00 R1 TO STA. 91+60.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2021-087-TS&N	DUPAGE	82	82
CONTRACT NO. 62P22			ILLINOIS FED. AID PROJECT	