11-06-2026 LETTING ITEM 017

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	1
	ILLINOIS	CONTRACT NO. 80C93		

* 46 + 3 = 49 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAU ROUTE 2711: IL 131 (GREEN BAY ROAD)
SUNSET AVENUE TO NORTH OF SHEELER AVENUE
SECTION: 2025-2132-RS
PROJECT: STP-5P19(554)
STANDARD OVERLAY, ADA IMPROVEMENTS
LAKE COUNTY

C-91-216-26

D-91-183-26

FOR INDEX OF SHEETS, SEE SHEET NO. 2

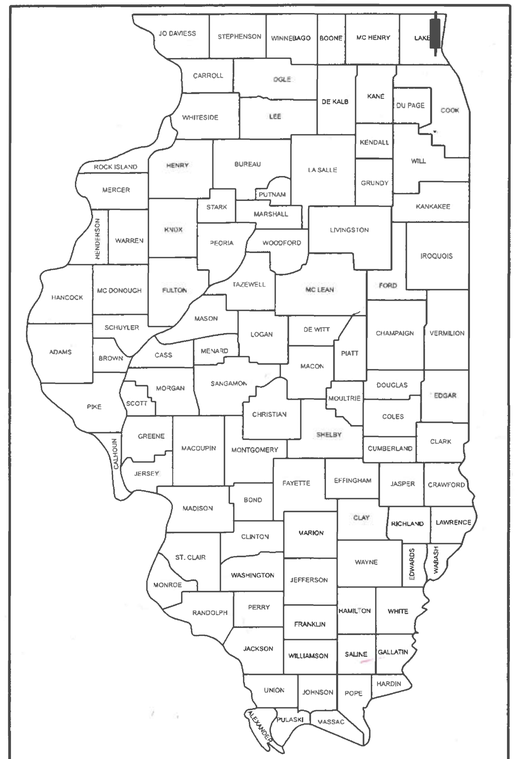
THIS PROJECT IS LOCATED WITHIN THE CITY OF WAUKEGAN AND UNINCORPORATED WAUKEGAN TOWNSHIP

TRAFFIC DATA:

IL ROUTE 131 (MINOR ARTERIAL):

N OF SHEELER AVE TO CRESCENT AVE:
ADT (2025) = 26600 VPD TO 30700 VPD
SPEED LIMIT = 35 MPH

CRESCENT AVE TO SUNSET AVE:
ADT (2025) = 26400 VPD
SPEED LIMIT = 45 MPH



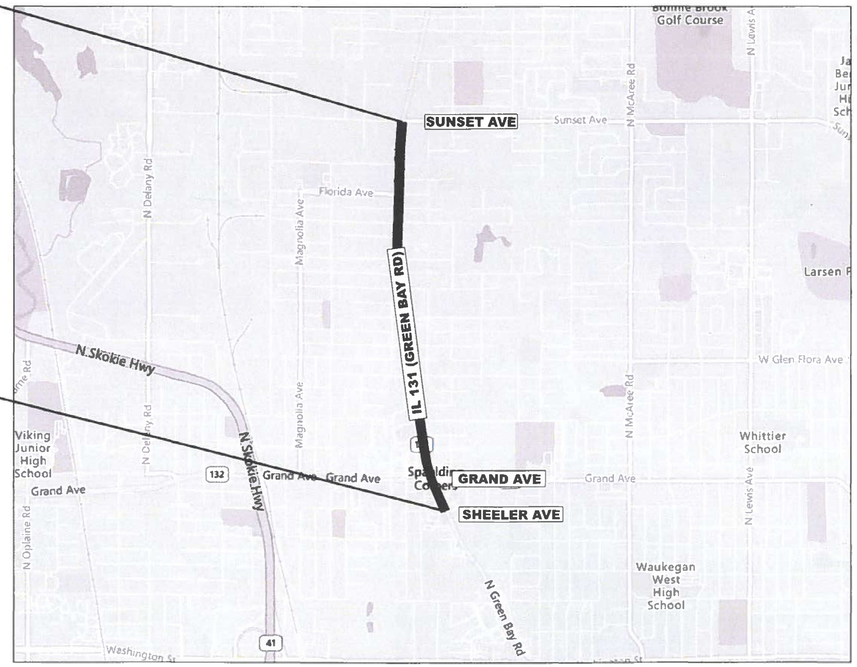
LOCATION OF SECTION INDICATED THUS: -

PROJECT ENDS STA. 103+69

PROJECT BEGINS STA. 17+63

R 12 E

T 45 N



WAUKEGAN TOWNSHIP

GROSS LENGTH = NET LEGNTH = 8606 FT. = 1.630 MILE

N

1

LOCATION MAP
(NOT TO SCALE)

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 11 20 26
Jose Lion
REGIONAL ENGINEER

October 2 20 26
ENGINEER OF DESIGN AND ENVIRONMENT

October 2 20 26
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

CONTRACT NO. 80C93

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	EXISTING AND PROPOSED TYPICAL SECTIONS
8	SCHEDULE OF QUANTITIES - CURB RAMPS IMPROVEMENT
9-12	ROADWAY AND PAVEMENT MARKING PLANS
12A-12C	LANDSCAPING PLANS
13-17	CURB RAMPS IMPROVEMENT PLANS
18	PD-01: PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
19	PD-02: PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS
20-25	TRAFFIC SIGNAL IMPROVEMENT PLANS (APS AND DETECTOR LOOPS)
26	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
27	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
28	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
29	BD-32: BUTT JOINT AND HMA TAPER DETAILS
30	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
31	TC-11: TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
32-33	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS
34	TC-14: TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
35	TC-16: SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
36	TC-22: ARTERIAL ROAD INFORMATION SIGN
37	TC-26: DRIVEWAY ENTRANCE SIGNING
38-44	TS-01: DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEETS 1 TO 7)
45	TS-02: MAST ARM MOUNTED STREET NAME SIGNS
46	TS-07: DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
424026-04	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-04	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS TYPE 1
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS $\geq$ 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS $\leq$ 40 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
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
701901-11	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF WAUKEGAN.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
5. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
6. THE RESIDENT ENGINEER SHALL CONTACT BRANDY KENNEDY, AREA TRAFFIC FIELD ENGINEER, AT BRANDY.KENNEDY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
7. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
8. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
9. THE CONTRACTOR SHALL CONTACT JOSEPH D. JONES, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT JOSEPH.D.JONES@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
12. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
13. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON-SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND CONTAMINATED OR NON-CONTAMINATED, FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.
15. ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, DRAINAGE ADJUSTMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
16. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIANS IN THE FIELD. UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
17. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
18. ALL MILLED SURFACES SHALL BE UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
19. TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE SHALL BE USED FOR ALL SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
20. TEMPORARY PAVEMENT MARKINGS OR SHORT TERM PAVEMENT MARKINGS ON INTERMEDIATE SURFACES SHALL NOT BE REMOVED, UNLESS DIRECTED BY THE ENGINEER,
21. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

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PLOT DATE = 9/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: | SHEET OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	2
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	20200100	EARTH EXCAVATION	CU YD	20	20					
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1690	1690					
	25200100	SODDING	SQ YD	1690	1690					
	25200200	SUPPLEMENTAL WATERING	UNIT	20	20					
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	25	25					
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	100	100					
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	45150	45150					
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	36730	36730					
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	100	100					
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	176	176					
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	395	395					
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	971	971					
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	2755	2755					
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	14	14					
	40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	6540	6540					
	42001300	PROTECTIVE COAT	SQ YD	2555	2555					
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	30	30					
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	40	40					
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1810	1810					
	42400800	DETECTABLE WARNINGS	SQ FT	215	215					
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	62255	62255					

SUMMARY OF QUANTITIES

					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					ROADWAY	ROADWAY	TRAFFIC SIGNALS			
					80% FED 20% STATE	100% STATE	80% FED 20% STATE			
	Code No.	Item	Unit	Total Quantity	0005	0005	0021			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	190	190					
	44000600	SIDEWALK REMOVAL	SQ FT	1640	1640					
	44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SQ YD	4955	4955					
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	20	20					
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1345	1345					
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	1290	1290					
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	2300	2300					
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	22	22					
	60255500	MANHOLES TO BE ADJUSTED	EACH	20	20					
	60260100	INLETS TO BE ADJUSTED	EACH	3	3					
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	10	10					
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	36	36					
	60920015	PIPE CULVERTS TO BE CLEANED 15"	FOOT	1415	1415					
	60920024	PIPE CULVERTS TO BE CLEANED 24"	FOOT	1415	1415					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	20					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1					
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1					
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	8	8					
	67100100	MOBILIZATION	L SUM	1	1					
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					

* = SPECIALTY ITEMS

Δ = NON-PARTICIPATING WORK (100% STATE)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	3
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC SIGNALS 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	21055	21055					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2635	2635					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2548	2548					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	55070	55070					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1170	1170					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	2560	2560					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	1570	1570					
	70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	5265	5265					
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1805	1805					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22245	22245					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5290	5290					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	585	585					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1280	1280					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	790	790					
*	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	20	20					
	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	80	80					
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	40	40					
	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	30	30					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1122	1122					

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC SIGNALS 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1122	1122					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	21			21			
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1			
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	118			118			
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	26			26			
*	87900200	DRILL EXISTING HANDHOLE	EACH	1			1			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	500			500			
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1			1			
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	38			38			
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1			
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1			1			
	X2010100	TREE LIMB REMOVAL (4 TO 10 INCHES DIAMETER)	EACH	3	3					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	4655	4655					
	X2010200	TREE LIMB REMOVAL (OVER 10 INCHES DIAMETER)	EACH	2	2					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	3285	3285					
	X2100002	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	UNIT	7.8	7.8					
	X4406820	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 2 1/2"	SQ YD	4320	4320					
Δ	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	200		200				
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	43	43					
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12					
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	154.2	154.2					
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	3			3			

* = SPECIALTY ITEMS

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PLOT DATE = 8/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	4
		CONTRACT NO. 80C93		
		ILLINOIS FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC SIGNALS 80% FED 20% STATE 0021	URBAN	URBAN	URBAN
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1000			1000			
Δ	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	20		20				
*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1			1			
Ø	Z0076600	TRAINEES	HOUR	500	500					
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500					

SUMMARY OF QUANTITIES

Code No.	Item	Unit	Total Quantity	TYPE CODE URBAN ROADWAY 80% FED 20% STATE 0005	URBAN ROADWAY 100% STATE 0005	URBAN TRAFFIC SIGNALS 80% FED 20% STATE 0021	URBAN	URBAN	URBAN

* = SPECIALTY ITEMS

Δ = NON-PARTICIPATING WORK (100% STATE)

Ø 0042

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	CHECKED -	REVISED -	
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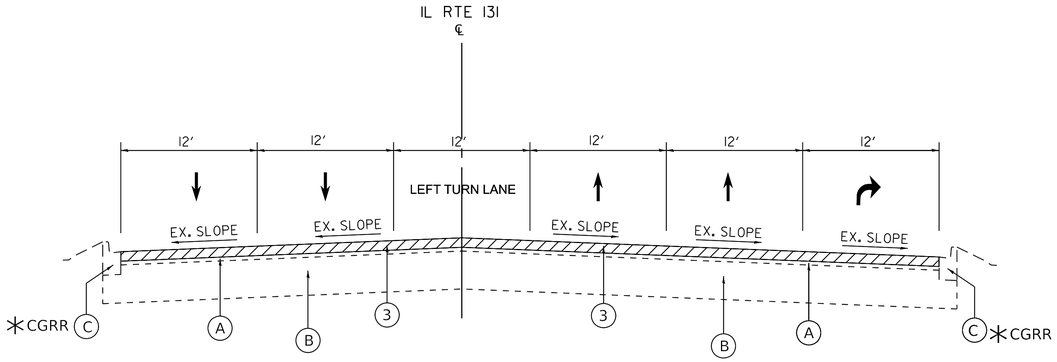
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

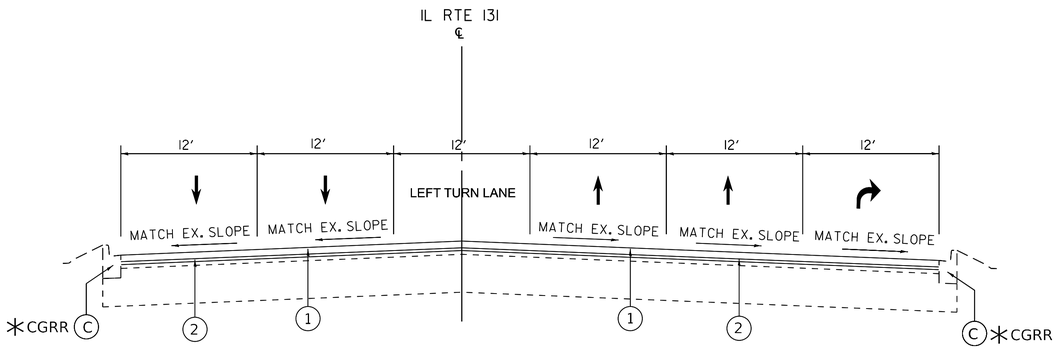
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	5
		CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

MODEL: SOQ 3 FINAL [Sheet]
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EXISTING TYPICAL SECTION
STA 17+63 TO STA 24+85



PROPOSED TYPICAL SECTION
STA 17+63 TO STA 24+85

LEGEND - EXISTING

- (A) HMA PAVEMENT 3.5"
- (B) PCC PAVEMENT 10"
- (C) COMB. CONC. CURB & GUTTER

LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- (3) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

✳CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)

NOTES:

(1) THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

(2) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER COURSE, IL 4.75, N50

HOT–MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS (%) @ NDES	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70; 1.75"	4% @ 70 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 0.75"	3.5% @ 50 GYR.	QC/QA
PCC PAVEMENT OVERLAY		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70; 1.75"	4% @ 70 GYR.	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 0.75"	3.5% @ 50 GYR.	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50; 2"	4% @ 50 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19.0); P.E 6", C.E 8"	4% @ 50 GYR.	QC/QA
PATCHING		
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0); 3.5"	4% @ 70 GYR.	QC/QA
CLASS D PATCH (HMA BINDER IL-19.0), 10"	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); 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

MODEL: Typical 1 [Sheet]
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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	6
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		

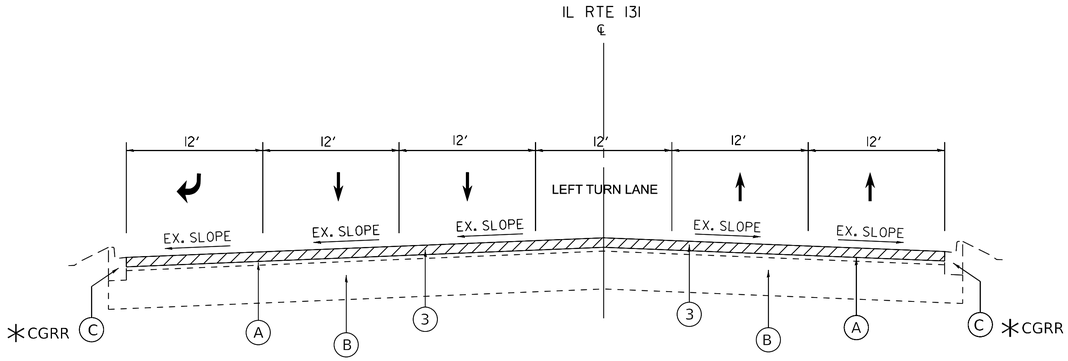
LEGEND - EXISTING

- (A) HMA PAVEMENT 3.5"
- (B) PCC PAVEMENT 10"
- (C) COMB. CONC. CURB & GUTTER

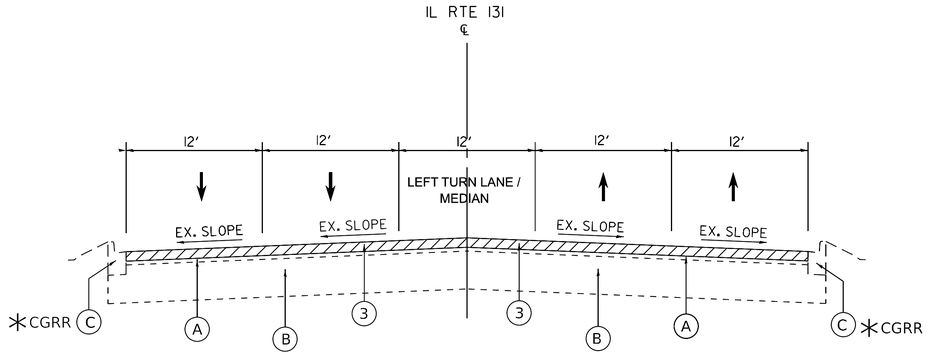
LEGEND - PROPOSED

- (1) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1.75"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 0.75"
- (3) HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"

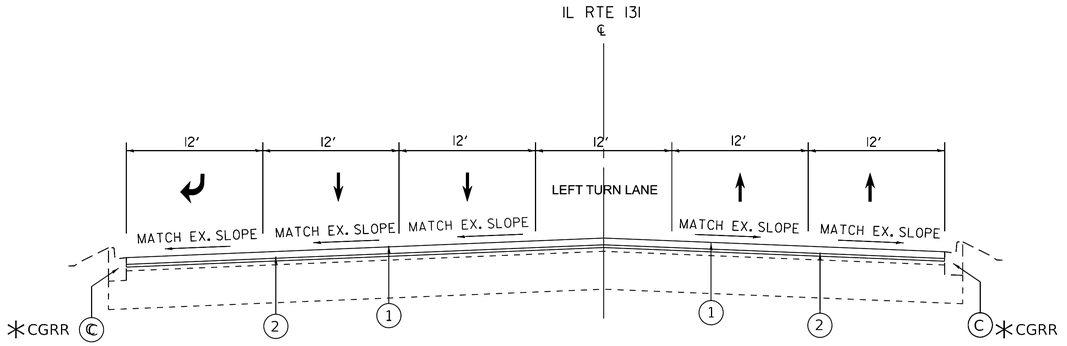
*CGRR CURB AND GUTTER REMOVAL AND REPLACEMENT (LOCATION AS DIRECTED BY THE ENGINEER)



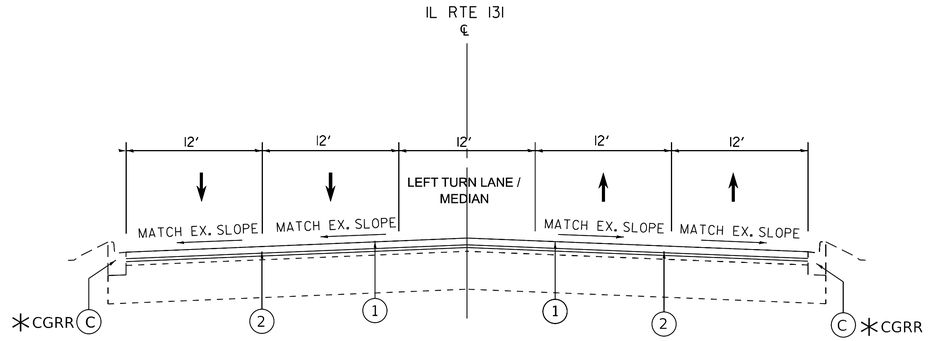
EXISTING TYPICAL SECTION
STA 24+85 to STA 28+35



EXISTING TYPICAL SECTION
STA 28+35 TO STA 103+69



PROPOSED TYPICAL SECTION
STA 24+85 TO STA 28+35



PROPOSED TYPICAL SECTION
STA 28+35 TO STA 103+69

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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/14/2026	DATE -	REVISED -	

EXISTING AND PROPOSED TYPICAL SECTIONS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	7
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES - CURB RAMPS IMPROVEMENT

STATE ROUTE	CROSS STREET	CORNER	20200100 EARTH EXACAVATION CU YD	21101615 TOPSOIL FURNISH AND PLACE, 4" SQ YD	25200110 SODDING, SALT TOLERANT SQ YD	25200200 SUPPLEMENTAL WATERING UNIT	42001300 PROTECTIVE COAT SQ YD	42400200 PORTLAND CEMENT CONCRETE SIDEWALK, 5INCH SQ FT	42400800 DETECTABLE WARNINGS SQ FT	44000600 SIDEWALK REMOVAL SQ FT	60250200 CATCH BASINS TO BE ADJUSTED EACH	60260100 INLETS TO BE ADJUSTED EACH	85000200 MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION EACH	X4400503 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET FOOT
IL 131 (GREEN BAY ROAD)	THORNTONS ENTRANCE (NORTHBOUND, STA 20+55)	NE	1.53	13.0	13.0	0.1	22.0	153.0	18.4	124.8				17.5
		Island	0.00	27.5	27.5	0.3	37.2	254.5	20.0	254.5	1	1		31.1
		SE	1.04	9.3	9.3	0.1	16.6	104.1	14.7	83.0		2		17.5
	PEPBOYS ENTRANCE (SOUTHBOUND, STA 20+15)	NW	0.50	5.6	5.6	0.1	9.6	50.0	10.0	50.0				14.0
		SW	0.50	5.6	5.6	0.1	9.6	50.0	10.0	50.0				14.0
	ATI-PHYSICAL THERAPY ENTRANCE (NORTHBOUND, STA 36+90)	NE	0.25	3.3	3.3	0.0	6.8	25.0	10.0	25.0				14.0
		SE	0.25	3.3	3.3	0.0	6.8	25.0	10.0	25.0				14.0
	GRANDVILLE AVENUE	NE	0.60	3.1	3.1	0.0	13.2	60.0	16.0	0.0	1			22.8
		SE	1.00	10.0	10.0	0.1	15.1	100.0	10.0	100.0				14.0
	WAUKEGAN IMMEDIATE CARE ENTRANCE (NORTHBOUND, STA 43+30)	NE	2.00	19.3	19.3	0.2	26.8	200.0	12.0	200.0				16.0
		SE	2.00	19.3	19.3	0.2	26.8	200.0	12.0	200.0				16.0
	CRESCENT AVENUE	NW	2.82	35.3	35.3	0.4	48.0	282.0	20.0	275.1				58.0
		NE	0.56	4.9	4.9	0.0	11.6	56.3	10.0	30.7			1	18.6
		SW	1.09	13.4	13.4	0.1	18.0	108.8	10.0	122.0				20.6
	BROOKE AVENUE	NE	1.00	10.4	10.4	0.1	15.7	100.0	12.0	100.0				16.0
		SE	0.42	1.2	1.2	0.0	8.8	41.7	10.0	0.0				14.5
TOTAL			16	185	185	1.9	292	1810	205	1640	2	3	1	319

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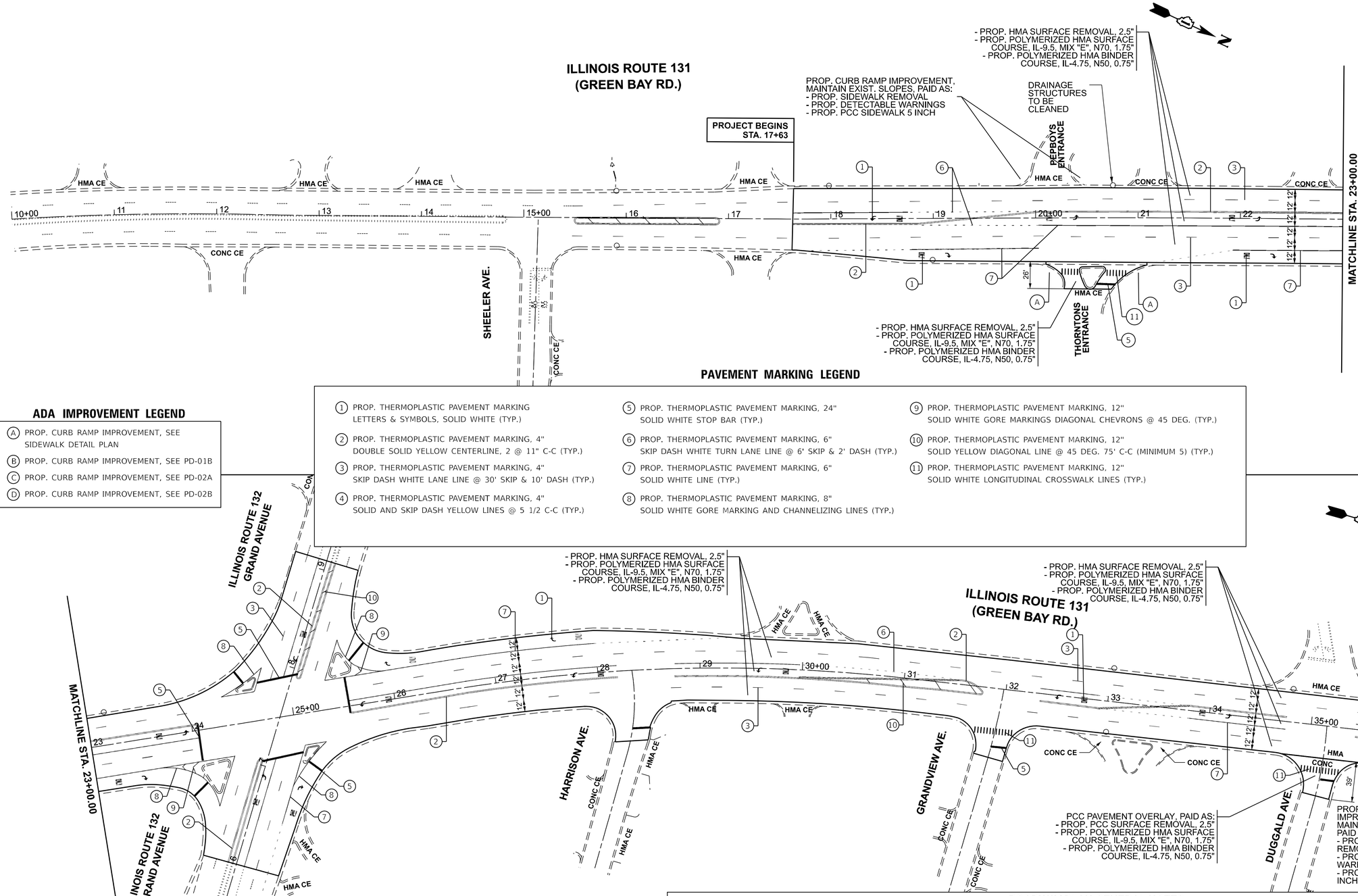
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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 9/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES - CURB RAMPS IMPROVEMENT
IL 131 (GREEN BAY ROAD) (SUNSET AVENUE TO N OF SHEELER AVENUE)

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	8
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		



ADA IMPROVEMENT LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
- (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-02B

PAVEMENT MARKING LEGEND

1. PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)
2. PROP. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
3. PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH (TYP.)
4. PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID AND SKIP DASH YELLOW LINES @ 5 1/2 C-C (TYP.)
5. PROP. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
6. PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE LINE @ 6' SKIP & 2' DASH (TYP.)
7. PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
8. PROP. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKINGS DIAGONAL CHEVRONS @ 45 DEG. (TYP.)
10. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE @ 45 DEG. 75' C-C (MINIMUM 5) (TYP.)
11. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL CROSSWALK LINES (TYP.)

ROADWAY PLAN GENERAL NOTES:

1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.

2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).

3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.

4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

USER NAME = Aya.Elkhatib	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2026	DATE -	REVISED -

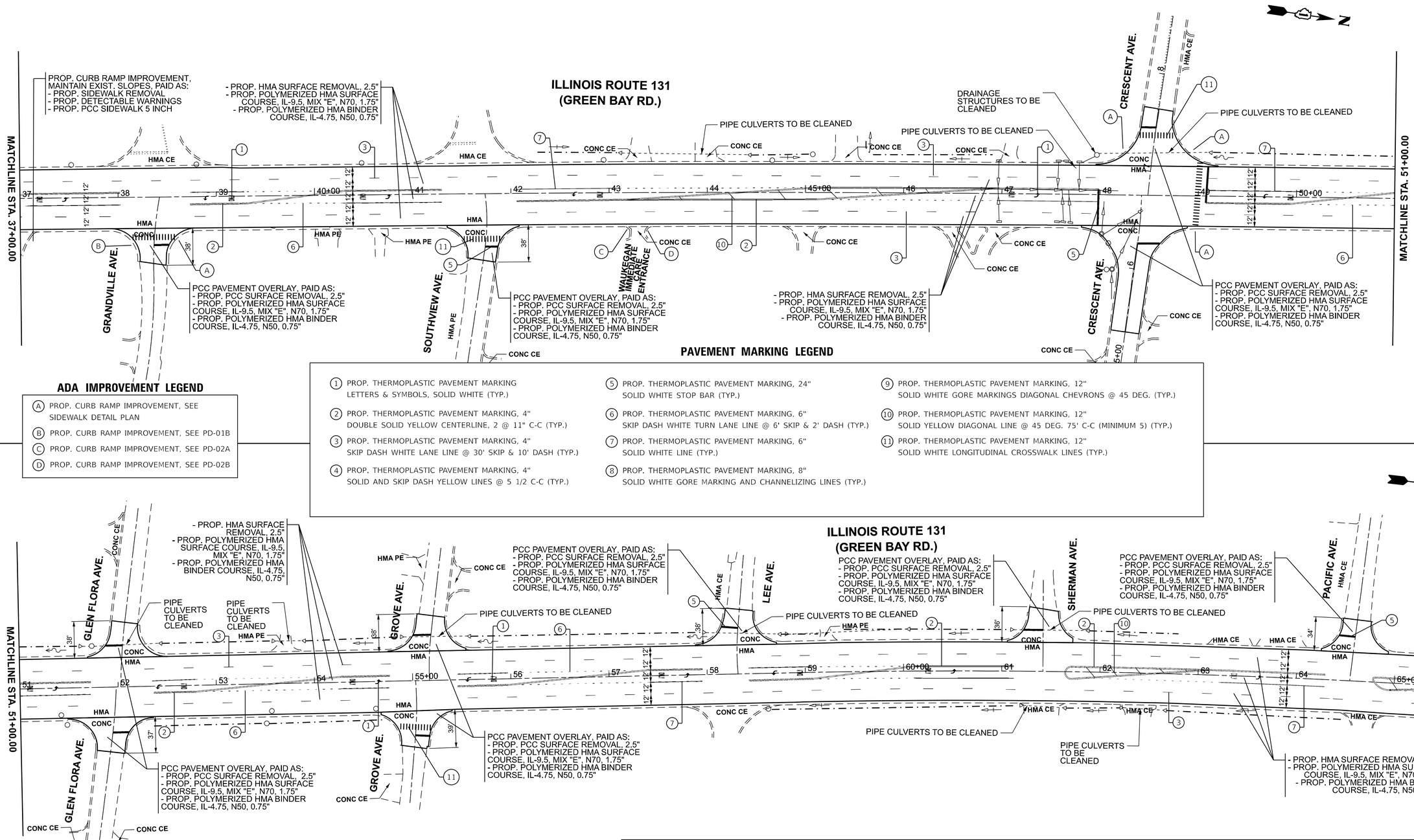
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: 1"=50' | SHEET 1 OF 4 SHEETS | STA. 10+00.00 | TO STA. 37+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	9
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	

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ADA IMPROVEMENT LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
- (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-02B

PAVEMENT MARKING LEGEND

1. PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)
2. PROP. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
3. PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH (TYP.)
4. PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID AND SKIP DASH YELLOW LINES @ 5 1/2 C-C (TYP.)
5. PROP. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
6. PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE LINE @ 6' SKIP & 2' DASH (TYP.)
7. PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
8. PROP. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKINGS DIAGONAL CHEVRONS @ 45 DEG. (TYP.)
10. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE @ 45 DEG. 75' C-C (MINIMUM 5) (TYP.)
11. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL CROSSWALK LINES (TYP.)

ROADWAY PLAN GENERAL NOTES:

1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.

2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).

3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.

4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

USER NAME = Aya.Elkhatib	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 9/25/2026	DATE -	REVISED -

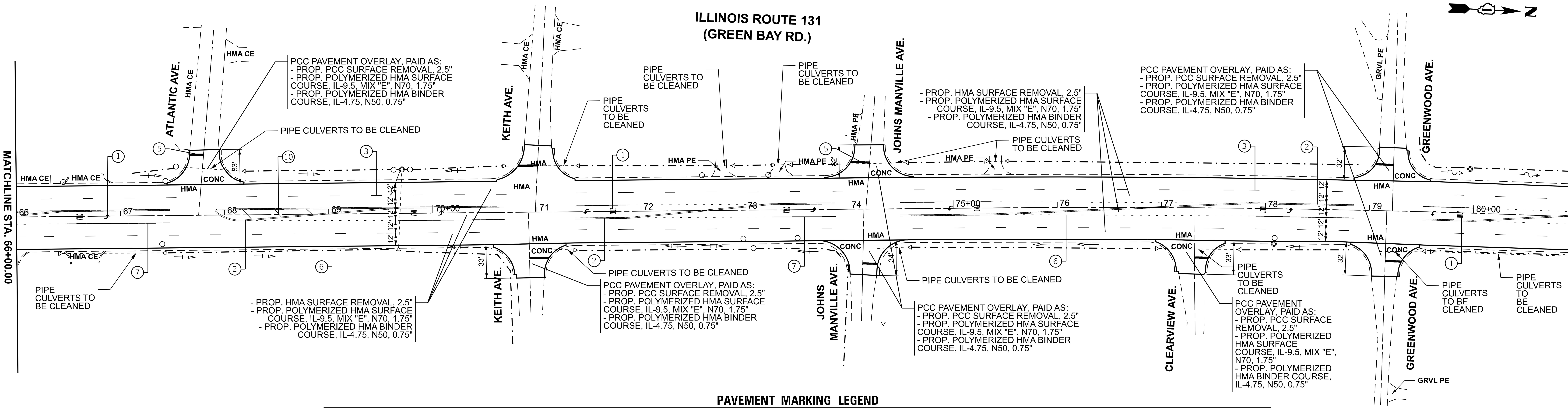
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: 1"=50' | SHEET 2 OF 4 SHEETS | STA. 37+00.00 TO STA. 66+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	10
		CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

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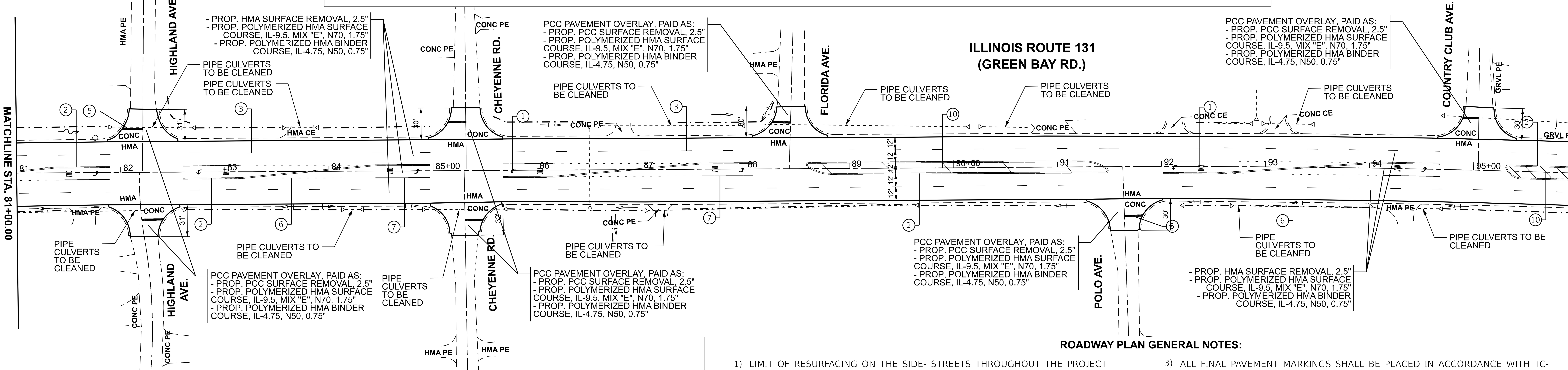


ADA IMPROVEMENT LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
- (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-02B

PAVEMENT MARKING LEGEND

- (1) PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)
- (2) PROP. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
- (3) PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH (TYP.)
- (4) PROP. THERMOPLASTIC PAVEMENT MARKING, 4" SOLID AND SKIP DASH YELLOW LINES @ 5 1/2 C-C (TYP.)
- (5) PROP. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
- (6) PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE LINE @ 6' SKIP & 2' DASH (TYP.)
- (7) PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
- (8) PROP. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
- (9) PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKINGS DIAGONAL CHEVRONS @ 45 DEG. (TYP.)
- (10) PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE @ 45 DEG. 75' C-C (MINIMUM 5) (TYP.)
- (11) PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL CROSSWALK LINES (TYP.)
- (12) PROP. MODIFIED URETHANE PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL CROSSWALK LINES (TYP.)
- (13) PROP. MODIFIED URETHANE PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)



ROADWAY PLAN GENERAL NOTES:

1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.

2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).

3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.

4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

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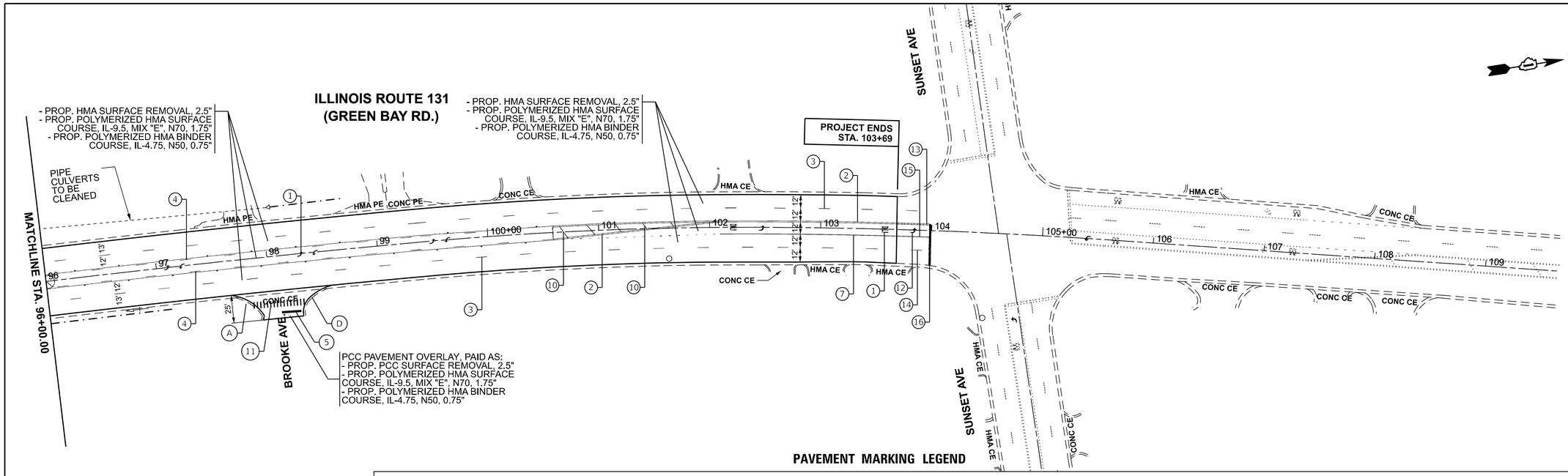
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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 9/25/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLANS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: 1"=50' | SHEET 3 OF 4 SHEETS | STA. 66+00.00 TO STA. 96+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	11
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	



ADA IMPROVEMENT LEGEND

- (A) PROP. CURB RAMP IMPROVEMENT, SEE SIDEWALK DETAIL PLAN
- (B) PROP. CURB RAMP IMPROVEMENT, SEE PD-01B
- (C) PROP. CURB RAMP IMPROVEMENT, SEE PD-02A
- (D) PROP. CURB RAMP IMPROVEMENT, SEE PD-02B

PAVEMENT MARKING LEGEND

1. PROP. THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)
2. PROP. THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
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5. PROP. THERMOPLASTIC PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)
6. PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SKIP DASH WHITE TURN LANE LINE @ 6' SKIP & 2' DASH (TYP.)
7. PROP. THERMOPLASTIC PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
8. PROP. THERMOPLASTIC PAVEMENT MARKING, 8" SOLID WHITE GORE MARKING AND CHANNELIZING LINES (TYP.)
9. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE GORE MARKINGS DIAGONAL CHEVRONS @ 45 DEG. (TYP.)
10. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID YELLOW DIAGONAL LINE @ 45 DEG. 75' C-C (MINIMUM 5) (TYP.)
11. PROP. THERMOPLASTIC PAVEMENT MARKING, 12" SOLID WHITE LONGITUDINAL CROSSWALK LINES (TYP.)
12. PROP. MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS, SOLID WHITE (TYP.)
13. PROP. MODIFIED URETHANE PAVEMENT MARKING, 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)
14. PROP. MODIFIED URETHANE PAVEMENT MARKING, 4" SKIP DASH WHITE LANE LINE @ 30' SKIP & 10' DASH (TYP.)
15. PROP. MODIFIED URETHANE PAVEMENT MARKING, 6" SOLID WHITE LINE (TYP.)
16. PROP. MODIFIED URETHANE PAVEMENT MARKING, 24" SOLID WHITE STOP BAR (TYP.)

ROADWAY PLAN GENERAL NOTES:

1) LIMIT OF RESURFACING ON THE SIDE- STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER / TECHNICIAN.
2) ALL FINAL PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
4) ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" STANDARD DETAIL.

USER NAME = Aya.Elkhatib	DESIGNED -	REVISED -
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PLOT DATE = 9/25/2026	DATE -	REVISED -

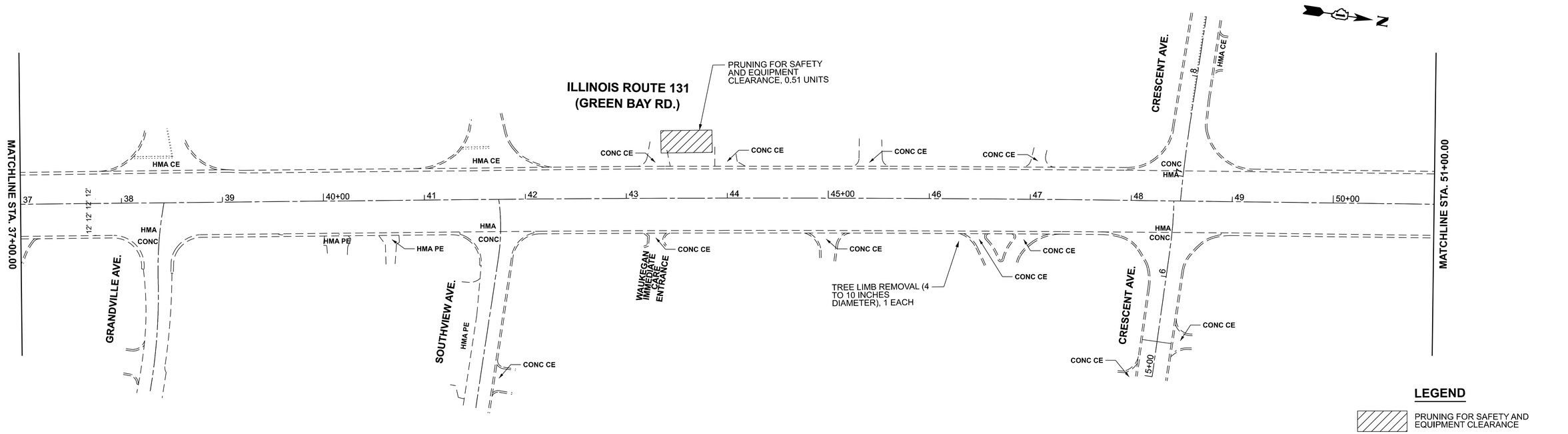
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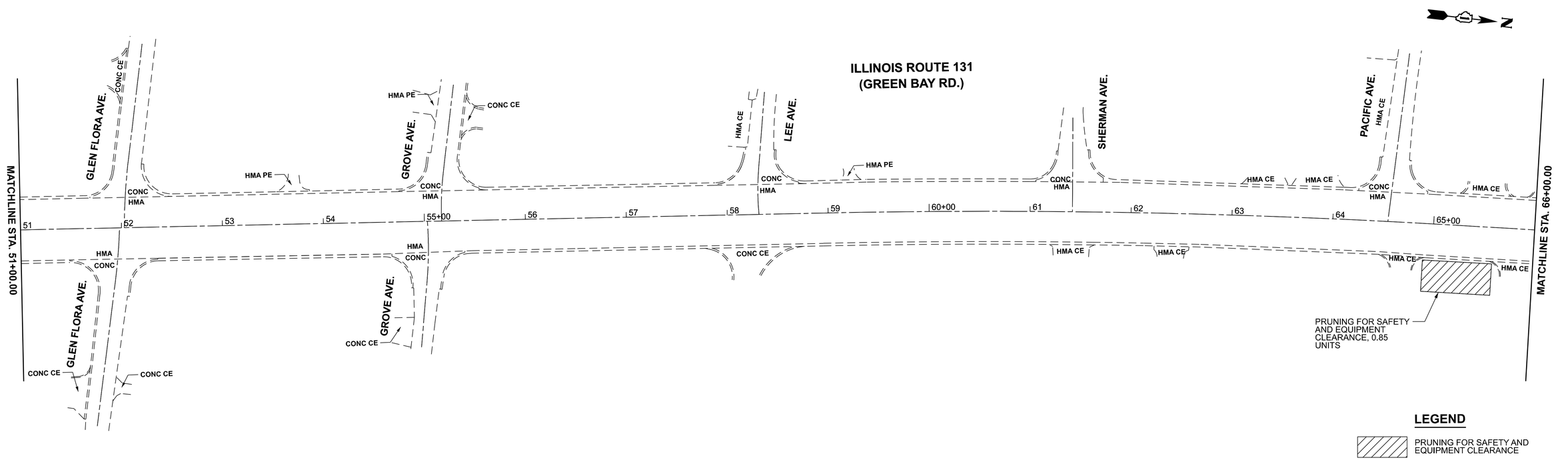
ROADWAY AND PAVEMENT MARKING PLANS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: 1"=50' | SHEET 4 OF 4 SHEETS | STA. 96+00.00 | TO STA. 111+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	12
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		

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MODEL: IL 131 Green Bay Rd - Plan 3 [Sheet] - Landscaping
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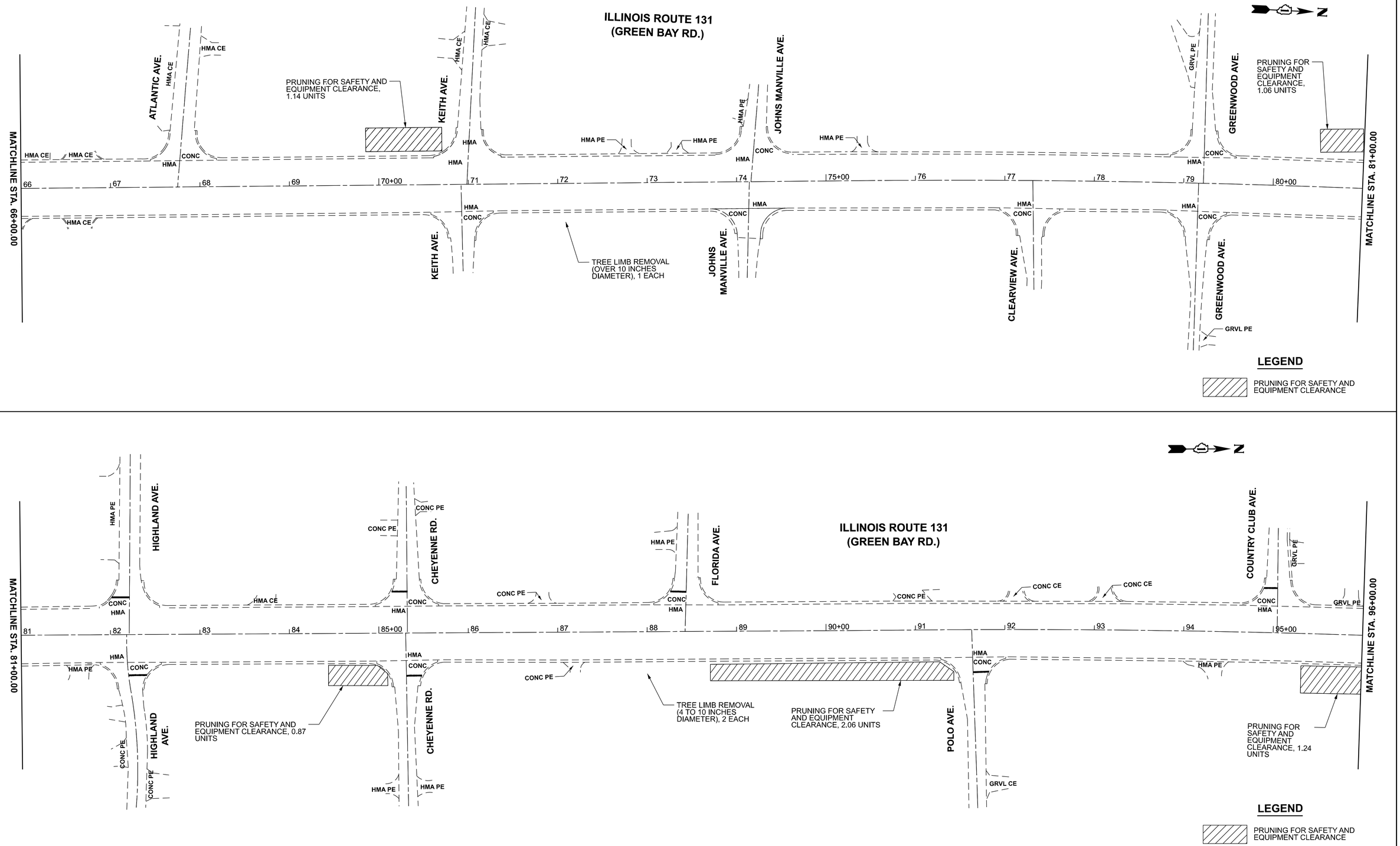
USER NAME = Aya.Elkhatib	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 9/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: 1"=50' | SHEET 2 OF SHEETS | STA. 37+00.00 | TO STA. 66+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	12A
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	



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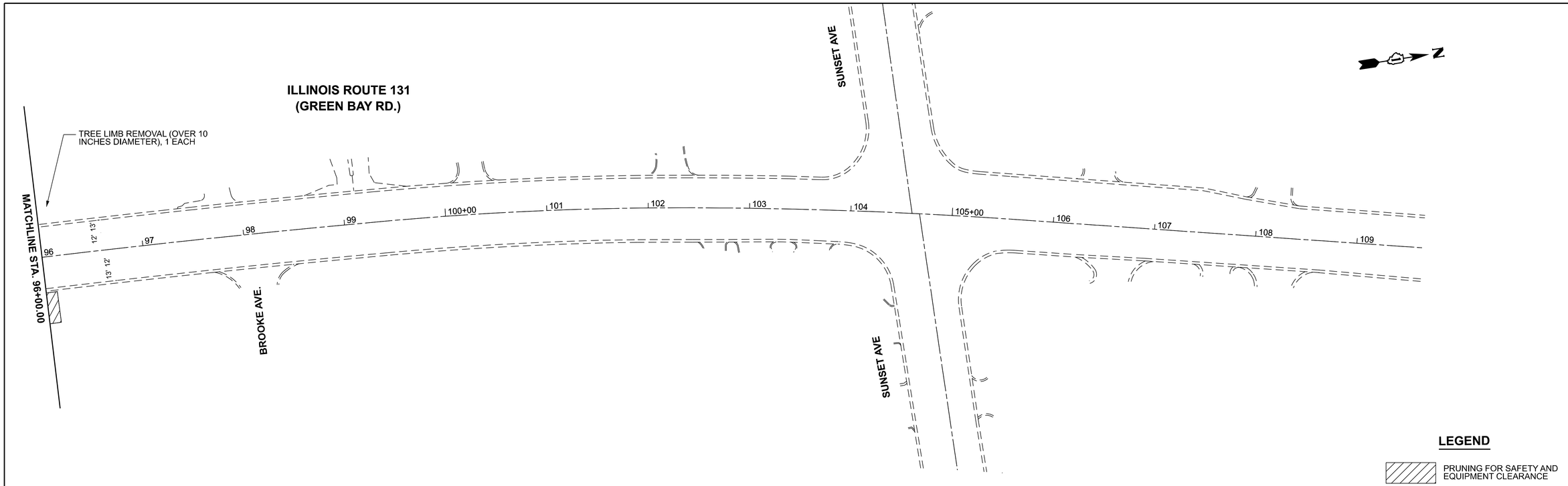
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PLOT DATE = 9/23/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: 1"=50' | SHEET 3 OF SHEETS | STA. 66+00.00 | TO STA. 96+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	12B
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	



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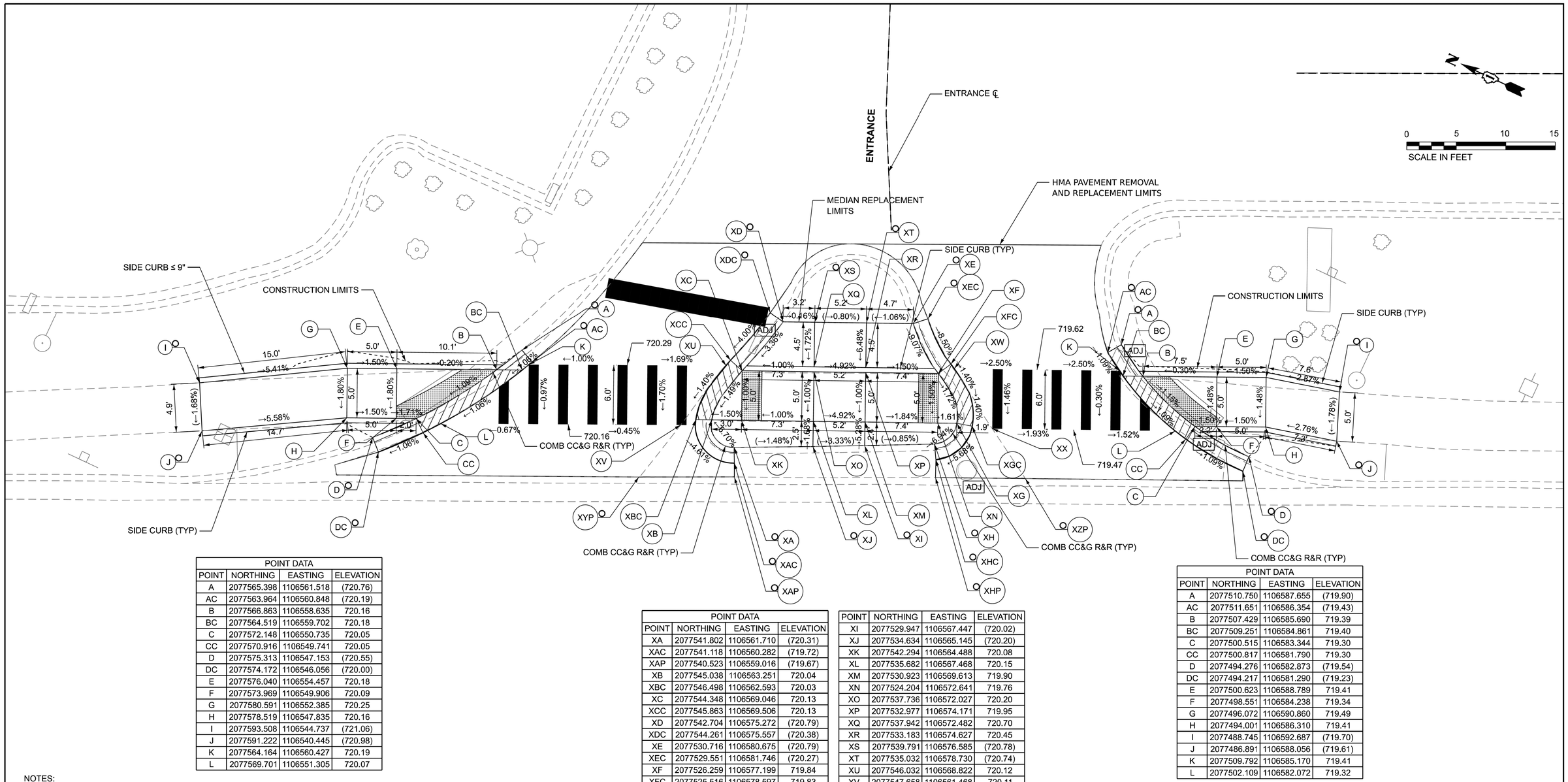
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PLOT DATE = 9/23/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
IL ROUTE 131 (GREEN BAY RD) (SUNSET AVE TO N OF SHEELER AVE)

SCALE: 1"=50' | SHEET 4 OF SHEETS | STA. 96+00.00 | TO STA. 111+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	12C
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		



POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
A	2077565.398	1106561.518	(720.76)
AC	2077563.964	1106560.848	(720.19)
B	2077566.863	1106558.635	720.16
BC	2077564.519	1106559.702	720.18
C	2077572.148	1106550.735	720.05
CC	2077570.916	1106549.741	720.05
D	2077575.313	1106547.153	(720.55)
DC	2077574.172	1106546.056	(720.00)
E	2077576.040	1106554.457	720.18
F	2077573.969	1106549.906	720.09
G	2077580.591	1106552.385	720.25
H	2077578.519	1106547.835	720.16
I	2077593.508	1106544.737	(721.06)
J	2077591.222	1106540.445	(720.98)
K	2077564.164	1106560.427	720.19
L	2077569.701	1106551.305	720.07

POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
XA	2077541.802	1106561.710	(720.31)
XAC	2077541.118	1106560.282	(719.72)
XAP	2077540.523	1106559.016	(719.67)
XB	2077545.038	1106563.251	720.04
XBC	2077546.498	1106562.593	720.03
XC	2077544.348	1106569.046	720.13
XCC	2077545.863	1106569.506	720.13
XD	2077542.704	1106575.272	(720.79)
XDC	2077544.261	1106575.557	(720.38)
XE	2077530.716	1106580.675	(720.79)
XEC	2077529.551	1106581.746	(720.27)
XF	2077526.259	1106577.199	719.84
XFC	2077525.516	1106578.597	719.83
XG	2077522.447	1106573.433	719.73
XGC	2077520.915	1106573.835	719.74
XH	2077523.600	1106570.573	(719.96)
XHC	2077522.799	1106569.208	(719.43)
XHP	2077522.083	1106567.563	(719.32)

POINT	NORTHING	EASTING	ELEVATION
XI	2077529.947	1106567.447	(720.02)
XJ	2077534.634	1106565.145	(720.20)
XK	2077542.294	1106564.488	720.08
XL	2077535.682	1106567.468	720.15
XM	2077530.923	1106569.613	719.90
XN	2077524.204	1106572.641	719.76
XO	2077537.736	1106572.027	720.20
XP	2077532.977	1106574.171	719.95
XQ	2077537.942	1106572.482	720.70
XR	2077533.183	1106574.627	720.45
XS	2077539.791	1106576.585	(720.78)
XT	2077535.032	1106578.730	(720.74)
XU	2077546.032	1106568.822	720.12
XV	2077547.658	1106561.468	720.11
XW	2077525.013	1106578.311	719.83
XX	2077518.971	1106574.458	719.63
XYP	2077549.251	1106554.925	(719.72)
XZP	2077513.820	1106571.320	(719.34)

POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
A	2077510.750	1106587.655	(719.90)
AC	2077511.651	1106586.354	(719.43)
B	2077507.429	1106585.690	719.39
BC	2077509.251	1106584.861	719.40
C	2077500.515	1106583.344	719.30
CC	2077500.817	1106581.790	719.30
D	2077494.276	1106582.873	(719.54)
DC	2077494.217	1106581.290	(719.23)
E	2077500.623	1106588.789	719.41
F	2077498.551	1106584.238	719.34
G	2077496.072	1106590.860	719.49
H	2077494.001	1106586.310	719.41
I	2077488.745	1106592.687	(719.70)
J	2077486.891	1106588.056	(719.61)
K	2077509.792	1106585.170	719.41
L	2077502.109	1106582.072	719.32

NOTES:
EXISTING CROSS SLOPES OF THE BARE PCC SURFACE ARE NON-COMPLIANT (EXCEEDING 2%). CONTRACTOR SHALL ATTEMPT TO CORRECT CROSSWALK CROSS SLOPES VIA MILLING AND PAVING.

- (X) EXISTING ELEVATION
- (X) PROPOSED ELEVATION
- (X) APPROXIMATE EXISTING ELEVATION
- X.X% SIDEWALK PAVEMENT SLOPE
- ( ) EXISTING ELEVATION SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB
- VARIABLE DEPTH RESURFACING
- APS PROPOSED PEDESTRIAN PUSHBUTTON
- ADJ DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

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SUITE 201
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(630) 443-7755

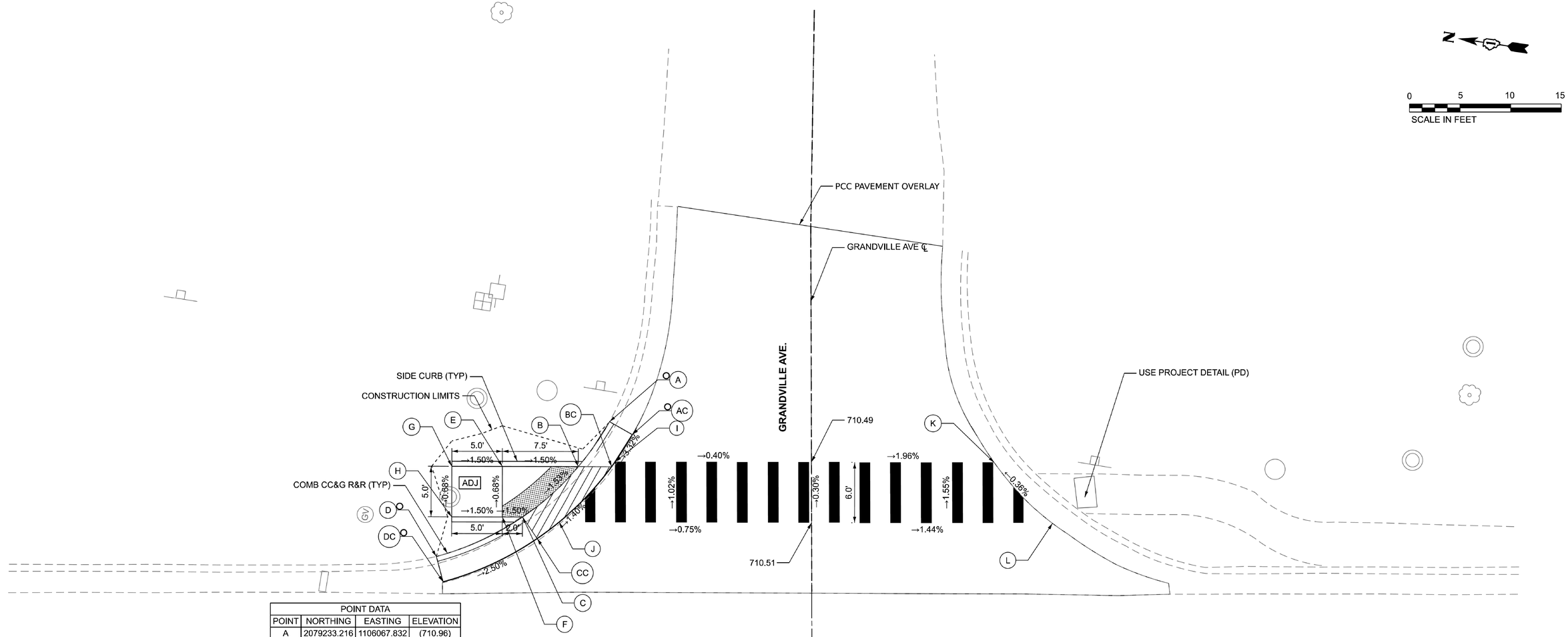
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENT PLAN
IL 131 (GREEN BAY ROAD) (SUNSET AVE TO N OF SHEELER AVENUE)

SCALE: | SHEET 000 OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	13
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		



POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
A	2079233.216	1106067.832	(710.96)
AC	2079230.794	1106066.932	(710.47)
B	2079235.552	1106062.962	710.58
BC	2079232.307	1106063.478	710.59
C	2079240.231	1106057.154	710.70
CC	2079238.454	1106055.279	710.74
D	2079248.014	1106051.944	(711.39)
DC	2079246.958	1106049.587	(710.99)
E	2079242.992	1106061.778	710.70
F	2079242.206	1106056.840	710.73
G	2079247.930	1106060.992	710.77
H	2079247.144	1106056.054	710.81
I	2079232.031	1106064.028	710.57
J	2079236.571	1106057.230	710.70
K	2079195.014	1106069.918	710.14
L	2079188.370	1106064.900	710.17

NOTES:
EXISTING CROSS SLOPES OF THE BARE PCC SURFACE ARE NON-COMPLIANT (EXCEEDING 2%). CONTRACTOR SHALL ATTEMPT TO CORRECT CROSSWALK CROSS SLOPES VIA MILLING AND PAVING.

- X — EXISTING ELEVATION
- X — PROPOSED ELEVATION
- X — APPROXIMATE EXISTING ELEVATION
- X.X% — SIDEWALK PAVEMENT SLOPE
- ( ) — EXISTING ELEVATION SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB
- VARIABLE DEPTH RESURFACING
- APS — PROPOSED PEDESTRIAN PUSHBUTTON
- ADJ — DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

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SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENT PLAN
IL 131 (GREEN BAY ROAD) (SUNSET AVENUE TO N OF SHEELER AVENUE)

SCALE: | SHEET 000 OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	14
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	

POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
A	2080262.781	1105829.264	(706.78)
AB	2080253.111	1105829.693	706.42
ABP	2080253.473	1105835.027	(706.34)
AC	2080262.461	1105831.827	(706.31)
AD	2080224.760	1105805.229	707.10
ADP	2080216.288	1105805.215	(707.04)
AE	2080222.204	1105799.224	707.19
AEP	2080216.312	1105799.215	(707.16)
AFP	2080216.145	1105840.392	(706.32)
AG	2080227.395	1105799.733	707.14
AP	2080262.211	1105833.811	(706.34)
B	2080258.930	1105828.618	706.32
BC	2080259.118	1105831.269	706.35
C	2080253.818	1105827.211	706.38
CC	2080252.978	1105829.654	706.42
D	2080227.387	1105804.733	707.05
DC	2080225.099	1105805.932	707.09
E	2080225.130	1105799.729	707.13
EC	2080222.374	1105799.725	707.18
F	2080223.104	1105792.880	(707.79)
FC	2080220.578	1105793.420	(707.31)
FP	2080216.332	1105794.328	(707.32)
G	2080258.805	1105826.858	706.35
H	2080258.452	1105821.871	706.43
I	2080253.464	1105822.224	706.45
J	2080256.359	1105817.251	706.52
K	2080252.899	1105820.861	706.47
L	2080252.750	1105813.792	706.69
M	2080249.290	1105817.401	706.63
N	2080244.418	1105805.806	707.08
O	2080240.958	1105809.415	707.01
P	2080240.804	1105802.346	707.25
Q	2080237.223	1105805.835	707.17
R	2080235.903	1105799.747	707.18
S	2080235.895	1105804.747	707.15
T	2080230.903	1105799.739	707.17
U	2080230.895	1105804.739	707.10
X	2080235.659	1105789.162	(707.21)
Y	2080231.121	1105789.196	(707.36)
Z	2080259.233	1105831.286	706.34
ZP	2080259.431	1105834.198	(706.34)

POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
A	2080268.968	1105896.503	(706.83)
AC	2080268.634	1105893.941	(706.41)
AP	2080268.109	1105889.976	(706.61)
B	2080263.194	1105897.206	706.45
BC	2080263.011	1105894.628	706.49
C	2080258.233	1105897.942	706.52
CC	2080257.763	1105895.402	706.56
D	2080250.680	1105899.777	(706.87)
DC	2080249.938	1105897.303	(706.42)
DP	2080248.788	1105893.472	(706.54)
E	2080263.574	1105902.576	706.54
F	2080258.587	1105902.929	706.61
G	2080263.833	1105906.236	706.61
H	2080258.846	1105906.589	706.67
I	2080263.530	1105894.576	706.48
IP	2080263.251	1105890.461	(706.62)
J	2080257.575	1105895.440	706.56
JP	2080257.302	1105891.410	(706.61)

IL ROUTE 131 (GREEN BAY RD.)

IL ROUTE 131 ℄

CRESCENT AVE ℄

CRESCENT AVE.

CONSTRUCTION LIMITS

SIDE CURB (TYP)

COMB CC&G R&R (TYP)

N

0 5 10 15

SCALE IN FEET

X	EXISTING ELEVATION
X	PROPOSED ELEVATION
X	APPROXIMATE EXISTING ELEVATION
X.X%	SIDEWALK PAVEMENT SLOPE
( )	EXISTING ELEVATION SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS
	DEPRESSED CURB
	VARIABLE DEPTH RESURFACING
APS	PROPOSED PEDESTRIAN PUSHBUTTON
ADJ	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

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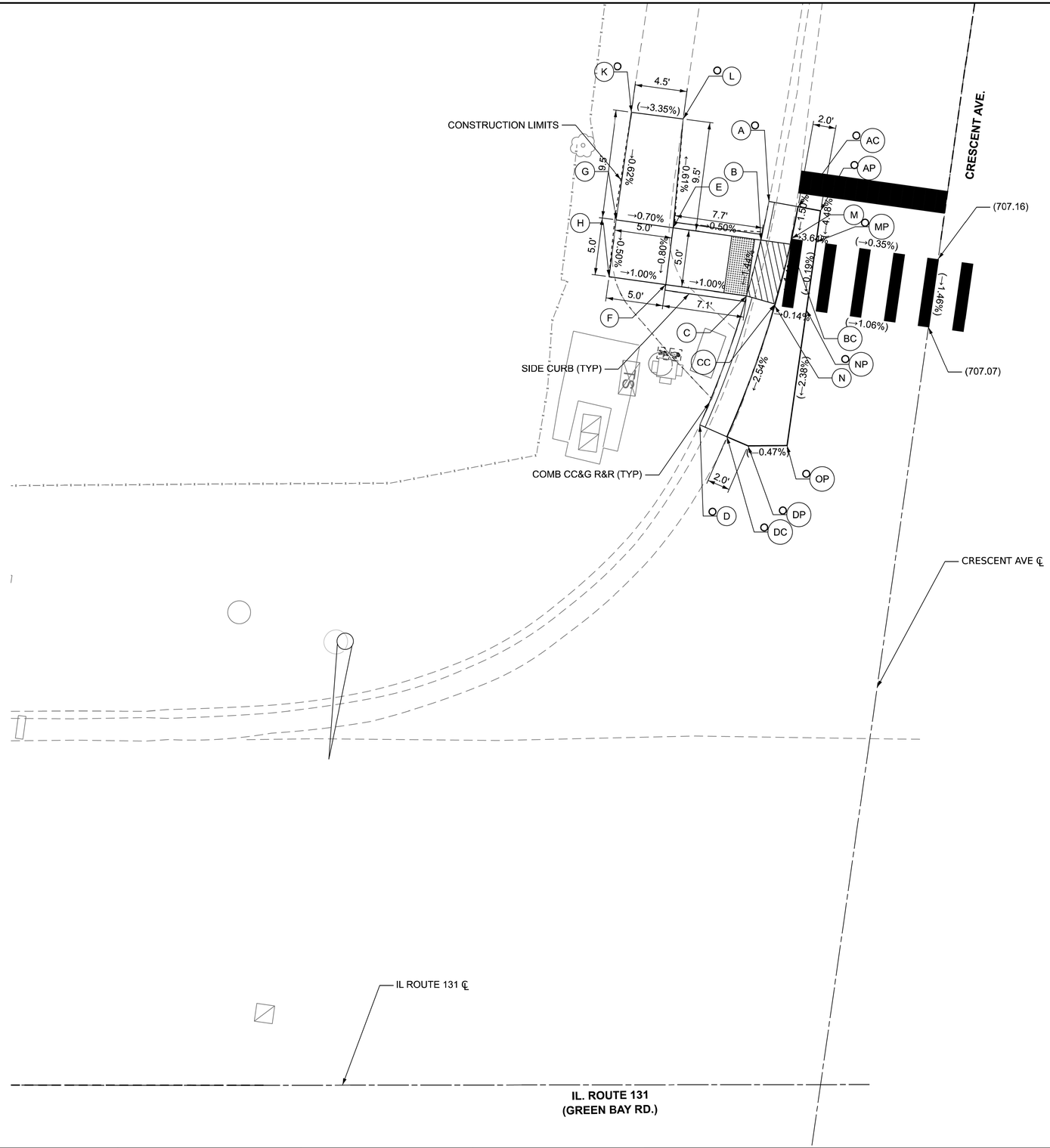
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PLOT DATE = 9/10/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENT PLAN
IL 131 (GREEN BAY ROAD) (SUNSET AVENUE TO N OF SHEELER AVENUE)

SCALE: | SHEET 000 OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	15
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	



POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
A	2080190.364	1105796.227	(707.73)
AC	2080192.945	1105796.339	(707.32)
AP	2080194.943	1105796.426	(707.32)
B	2080190.139	1105799.671	707.23
BC	2080192.731	1105799.676	707.27
C	2080189.569	1105804.670	707.16
CC	2080192.126	1105805.036	707.20
D	2080187.067	1105816.404	(707.49)
DC	2080189.554	1105817.104	(706.88)
DP	2080191.481	1105817.639	(706.89)
E	2080182.398	1105799.659	707.27
F	2080182.440	1105804.659	707.23
G	2080177.398	1105799.650	707.30
H	2080177.440	1105804.650	707.28
K	2080177.435	1105790.162	(707.36)
L	2080181.971	1105790.129	(707.21)
M	2080192.764	1105799.176	707.28
MP	2080194.932	1105799.179	(707.20)
N	2080192.106	1105805.175	707.19
NP	2080194.908	1105805.179	(707.19)
OP	2080194.859	1105817.147	(706.90)

N

0 5 10 15
SCALE IN FEET

- X EXISTING ELEVATION
- X PROPOSED ELEVATION
- X APPROXIMATE EXISTING ELEVATION
- X.X% SIDEWALK PAVEMENT SLOPE
- ( ) EXISTING ELEVATION SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB
- VARIABLE DEPTH RESURFACING
- APS PROPOSED PEDESTRIAN PUSHBUTTON
- ADJ DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

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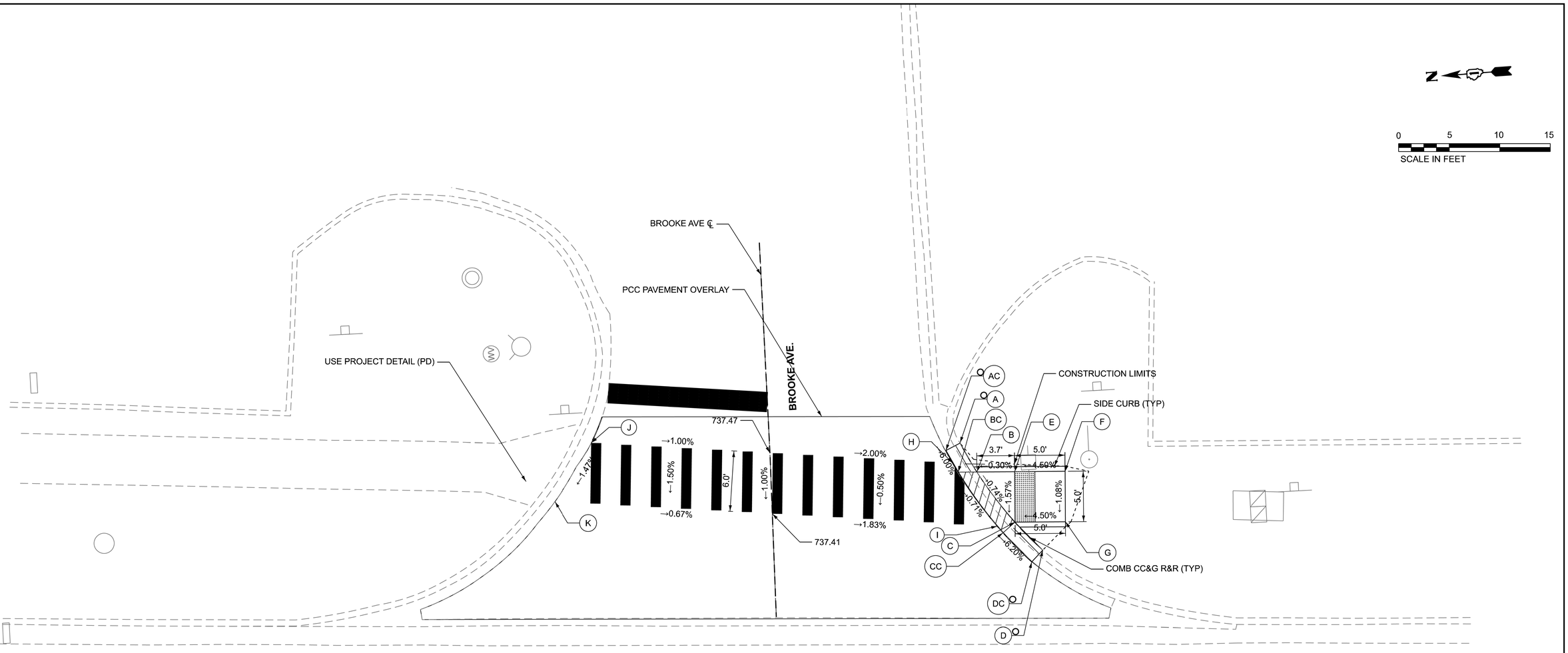
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA IMPROVEMENT PLAN
IL 131 (GREEN BAY ROAD) (SUNSET AVENUE TO N OF SHEELER AVENUE)

SCALE: | SHEET 000 OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	16
		CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



POINT DATA			
POINT	NORTHING	EASTING	ELEVATION
A	2085131.853	1105658.269	(737.72)
AC	2085133.290	1105657.606	(737.19)
B	2085130.338	1105655.320	737.03
BC	2085132.193	1105655.405	737.05
C	2085126.832	1105650.154	736.99
CC	2085128.067	1105649.164	736.99
D	2085124.237	1105647.228	(737.23)
DC	2085125.385	1105646.138	(736.74)
E	2085126.603	1105655.148	737.05
F	2085121.608	1105654.919	737.27
G	2085121.837	1105649.924	737.22
H	2085132.670	1105656.321	737.10
I	2085128.597	1105649.839	737.00
J	2085168.343	1105660.229	737.65
K	2085172.246	1105654.621	737.55

NOTES:
EXISTING CROSS SLOPES OF THE BARE PCC SURFACE ARE NON-COMPLIANT (EXCEEDING 2%). CONTRACTOR SHALL ATTEMPT TO CORRECT CROSSWALK CROSS SLOPES VIA MILLING AND PAVING.

- (X) EXISTING ELEVATION
- (X) PROPOSED ELEVATION
- (X) APPROXIMATE EXISTING ELEVATION
- X.X% SIDEWALK PAVEMENT SLOPE
- ( ) EXISTING ELEVATION SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- DEPRESSED CURB
- VARIABLE DEPTH RESURFACING
- APS PROPOSED PEDESTRIAN PUSHBUTTON
- ADJ DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED

MODEL: ADA 01 [Sheet]
FILE NAME: c:\pw_work\wbk\wbk-projects-1\dms57052\D118326-sht-ada.dgn

Bodwé WBK Engineering
116 WEST MAIN STREET
SUITE 201
ST. CHARLES, IL 60174
(630) 443-7755

USER NAME = StefanCiucur	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/10/2026	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

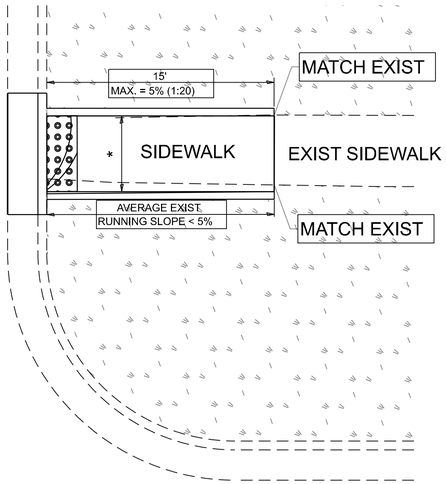
ADA IMPROVEMENT PLAN
IL 131 (GREEN BAY ROAD) (SUNSET AVENUE TO N OF SHEELER AVENUE)

SCALE: | SHEET 000 OF SHEETS | STA. | TO STA.

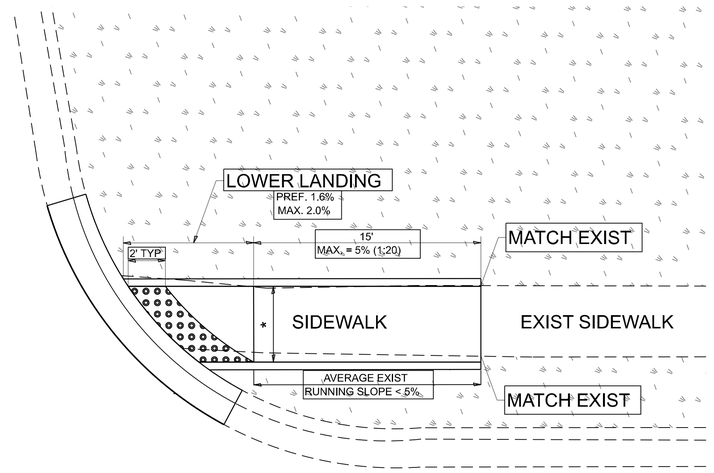
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2711	2025-2132-RS	LAKE	46	17
		CONTRACT NO. 80C93		
	ILLINOIS	FED. AID PROJECT		

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR LESS RUN. SLOPE

PD-01A



PD-01B



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Aya.Elkhatib	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/14/2026	DATE - 12/03/2025	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)

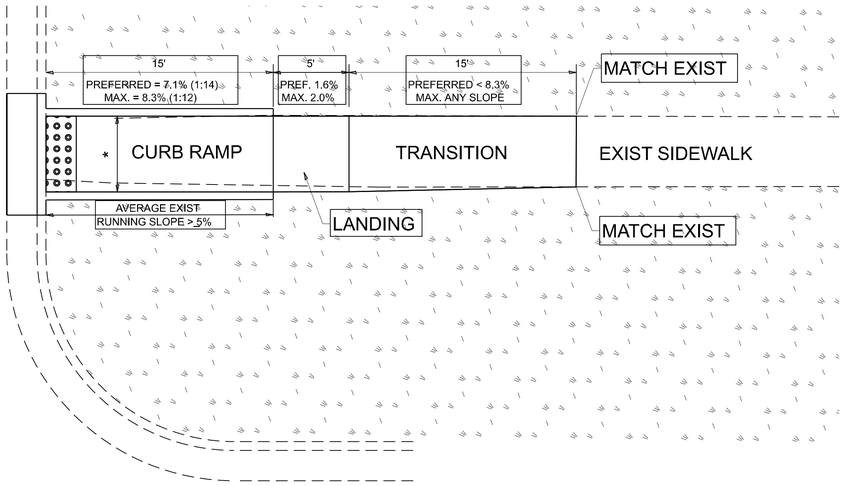
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PD-01	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

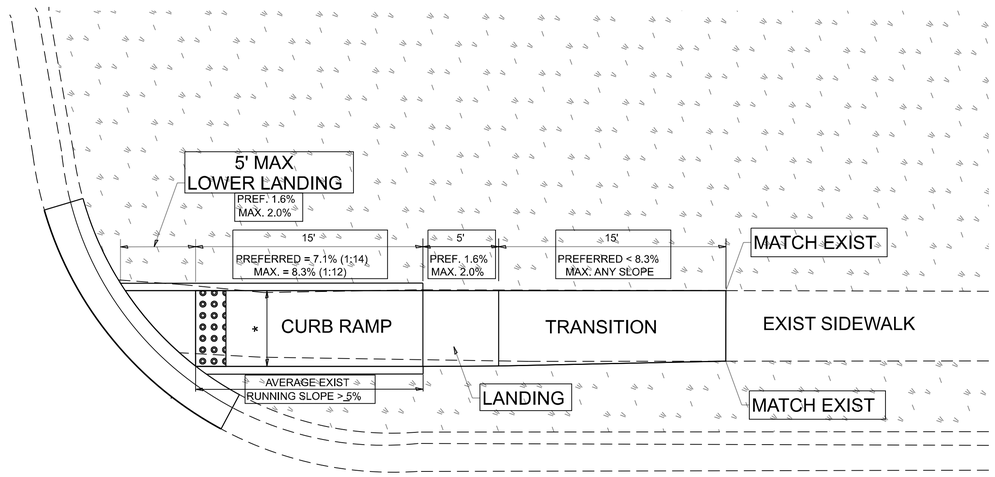
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ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ EXIST. 5% OR GREATER RUN. SLOPE

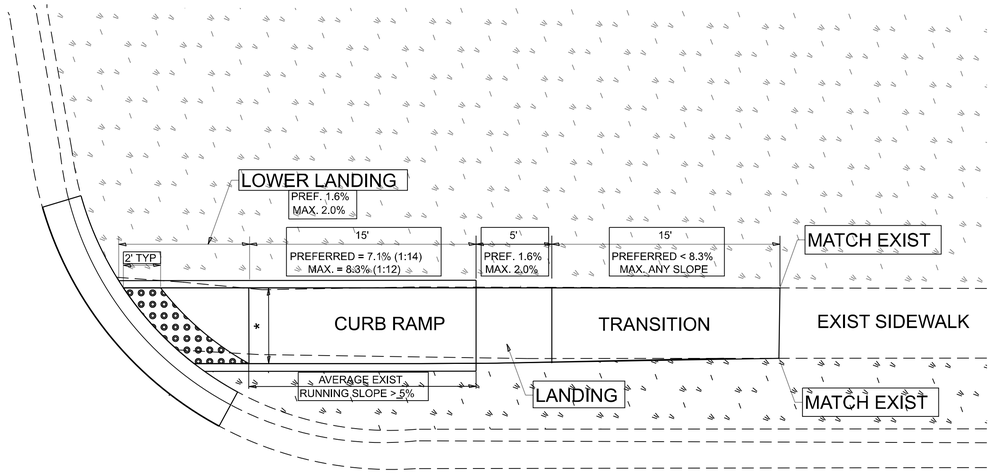
PD-02A



PD-02B



PD-02C



LEGEND

PROPOSED SIDE CURB

EXIST. GRASS

PROPOSED SIDEWALK

DETECTABLE WARNINGS

CONSTRUCTION NOTES:

1) ALL CROSS SLOPES ARE PREFERRED 1.6% (1:64), MAXIMUM 2% (1:50) EXCEPT WHEN TRANSITIONING TO EXISTING SIDEWALK

* MATCH EXISTING SIDEWALK WIDTH

USER NAME = Aya.Elkhatib	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/14/2026	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-02)

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	19
	PD-02	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

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NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)".

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.

N

MATCHLINE A–A

IL ROUTE 131

EXISTING REDLIGHT PHOTO ENFORCEMENT CAMERA *(TO REMAIN)*

EXISTING INTERCONNECT TO CRESCENT AVE. (IDOT SYSTEM 4P) *(TO REMAIN)*

EXISTING R.O.W.

SIDEWALK

WALGREENS

COMMERCIAL

LANDSCAPE

(106 FT)

(280 FT)

(229 FT)

(110 FT)

EXISTING REDLIGHT PHOTO ENFORCEMENT CABINET *(TO REMAIN)*

EXISTING REDLIGHT PHOTO ENFORCEMENT CAMERA *(TO REMAIN)*

IL. ROUTE 132 (GRAND AVE)

RESURFACING LIMITS

EXISTING INTERCONNECT AND SAMPLING (SYSTEM) DETECTORS

McDONALD'S

BANK

GREEN BAY RD.

EXISTING INTERCONNECT TO BROOKSIDE AVE. (IDOT SYSTEM 4P) *(TO REMAIN)*

MATCHLINE B–B

TS 15020
EAGLE 4P

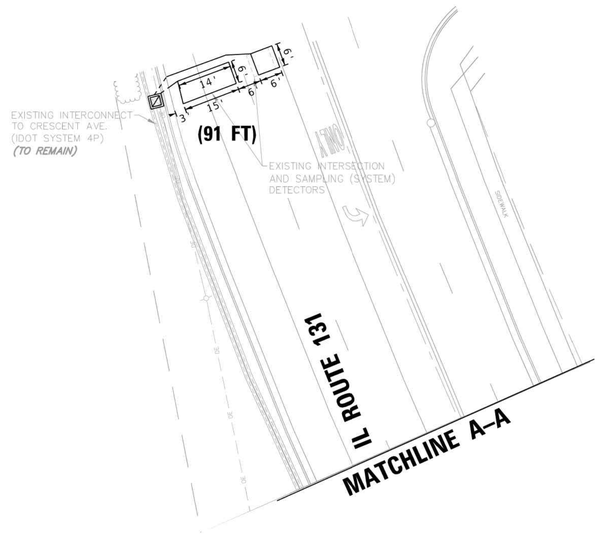
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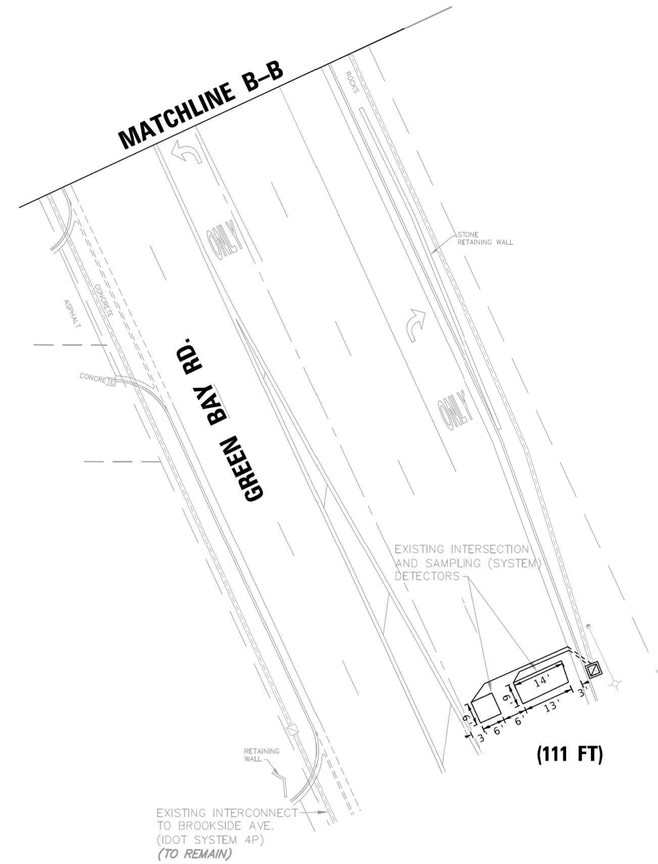
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	CHECKED -	REVISED -	
PLOT DATE = 8/13/2026	DATE -	REVISED -	

DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 132 (GRAND AVE) AND IL ROUTE 131 (GREEN BAY RD)

SCALE: | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	20
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	





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

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	927	FOOT

TS 15020
EAGLE 4P

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PLOT DATE = 8/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 132 (GRAND AVE) AND IL ROUTE 131 (GREEN BAY RD)

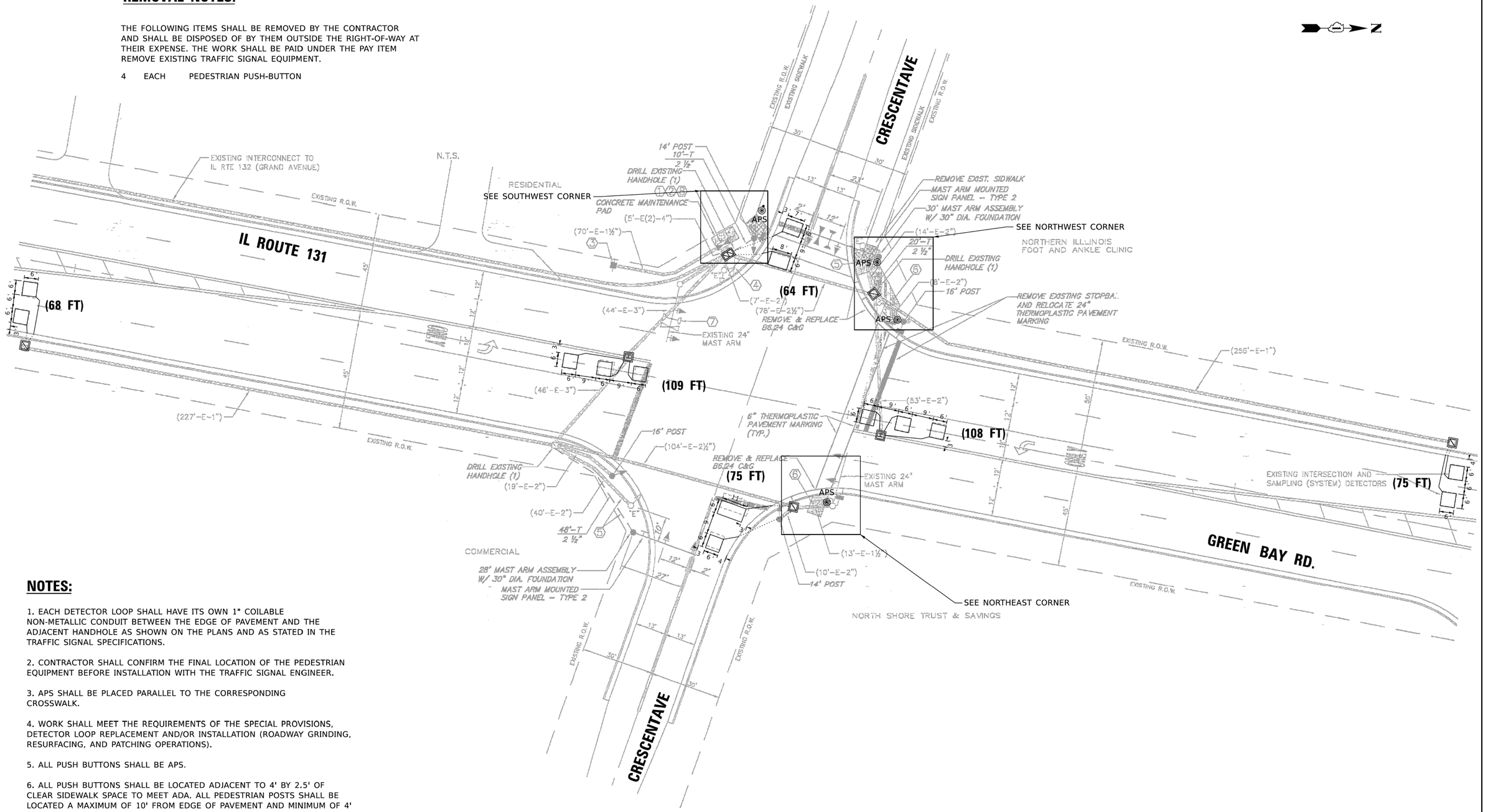
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	21
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	

REMOVAL 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 WORK SHALL BE PAID UNDER THE PAY ITEM REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

4 EACH PEDESTRIAN PUSH-BUTTON



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.

2. CONTRACTOR SHALL CONFIRM THE FINAL LOCATION OF THE PEDESTRIAN EQUIPMENT BEFORE INSTALLATION WITH THE TRAFFIC SIGNAL ENGINEER.

3. APS SHALL BE PLACED PARALLEL TO THE CORRESPONDING CROSSWALK.

4. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISIONS, DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING, AND PATCHING OPERATIONS).

5. ALL PUSH BUTTONS SHALL BE APS.

6. ALL PUSH BUTTONS SHALL BE LOCATED ADJACENT TO 4' BY 2.5' OF CLEAR SIDEWALK SPACE TO MEET ADA. ALL PEDESTRIAN POSTS SHALL BE LOCATED A MAXIMUM OF 10' FROM EDGE OF PAVEMENT AND MINIMUM OF 4' FROM BACK OF CURB.

7. ALL EXISTING TRAFFIC SIGNAL CABLE NO LONGER REQUIRED SHALL BE REMOVED.

8. SIDEWALK AND SIDEWALK RAMPS ARE TO BE IMPROVED AT SOUTHWEST, NORTHWEST, NORTHEAST CORNERS OF THE INTERSECTION. SEE ROADWAY PLANS.

TS 20485
EAGLE 4P

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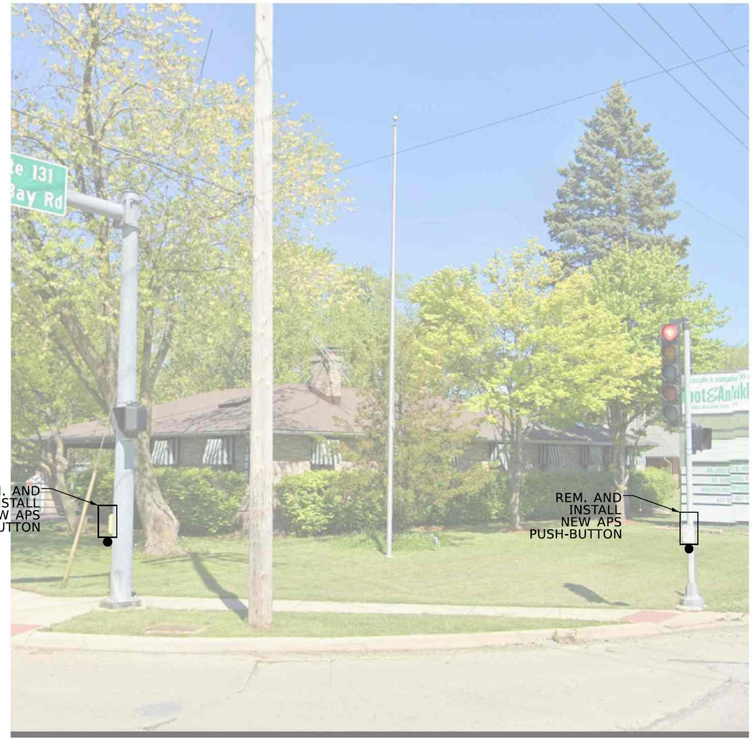
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	CHECKED -	REVISED -	
PLOT DATE = 8/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

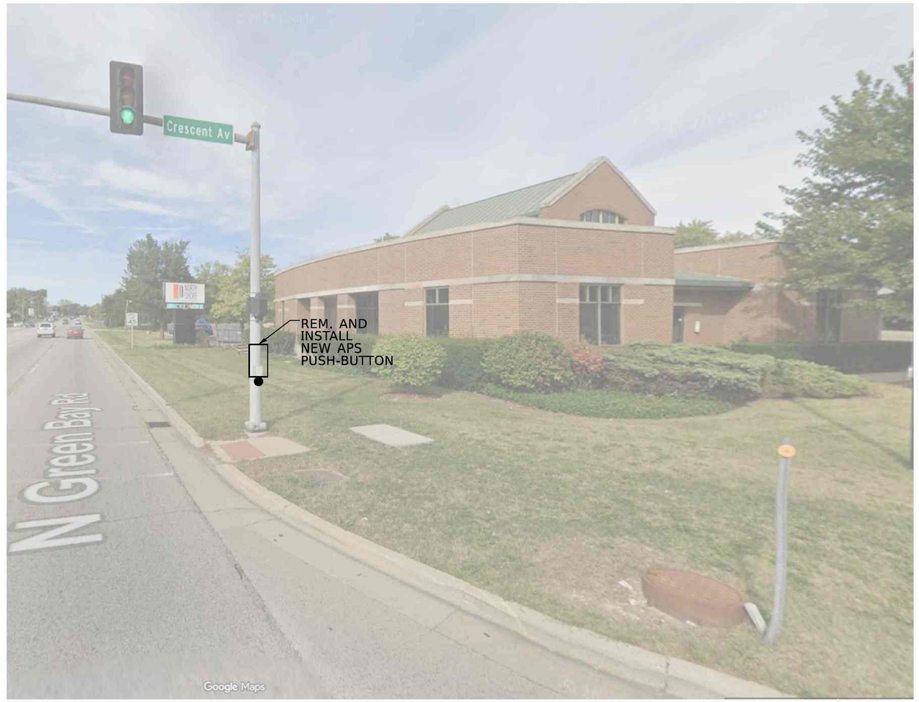
TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 131 (GREEN BAY RD) AND CRESCENT AVE

SCALE: | SHEET 3 OF 6 SHEETS | STA. | TO STA.

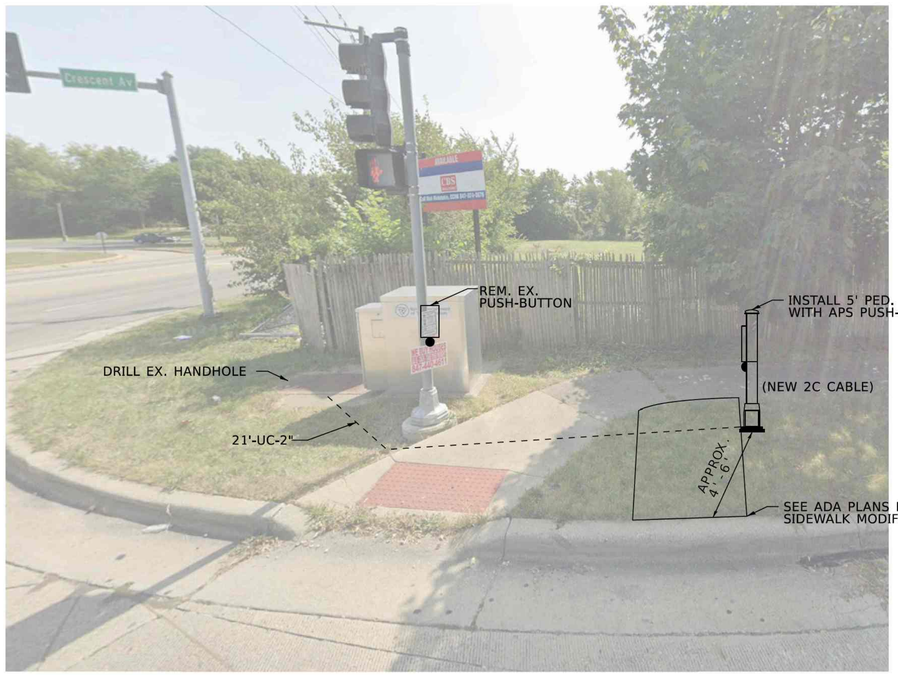
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2711	2025-2132-RS	LAKE	46	22
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	



NORTHWEST CORNER



NORTHEAST CORNER



SOUTHWEST CORNER

SOUTHEAST CORNER

TS 20485
EAGLE 4P

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	DRAWN -	REVISED -
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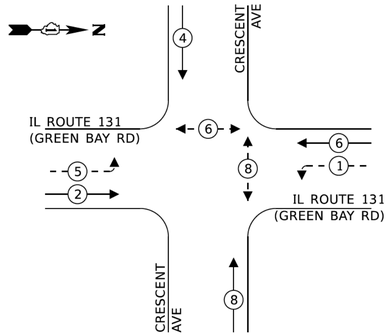
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC MODERNIZATION PLAN
IL ROUTE 131 (GREEN BAY RD) AND CRESCENT AVE

SCALE: | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	23
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	

EXISTING AND PROPOSED CONTROLLER SEQUENCE



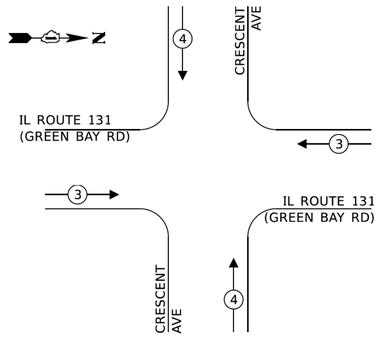
LEGEND:

PROTECTED PHASE

PROTECTED/PERMITTED PHASE

PEDESTRIAN PHASE

EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

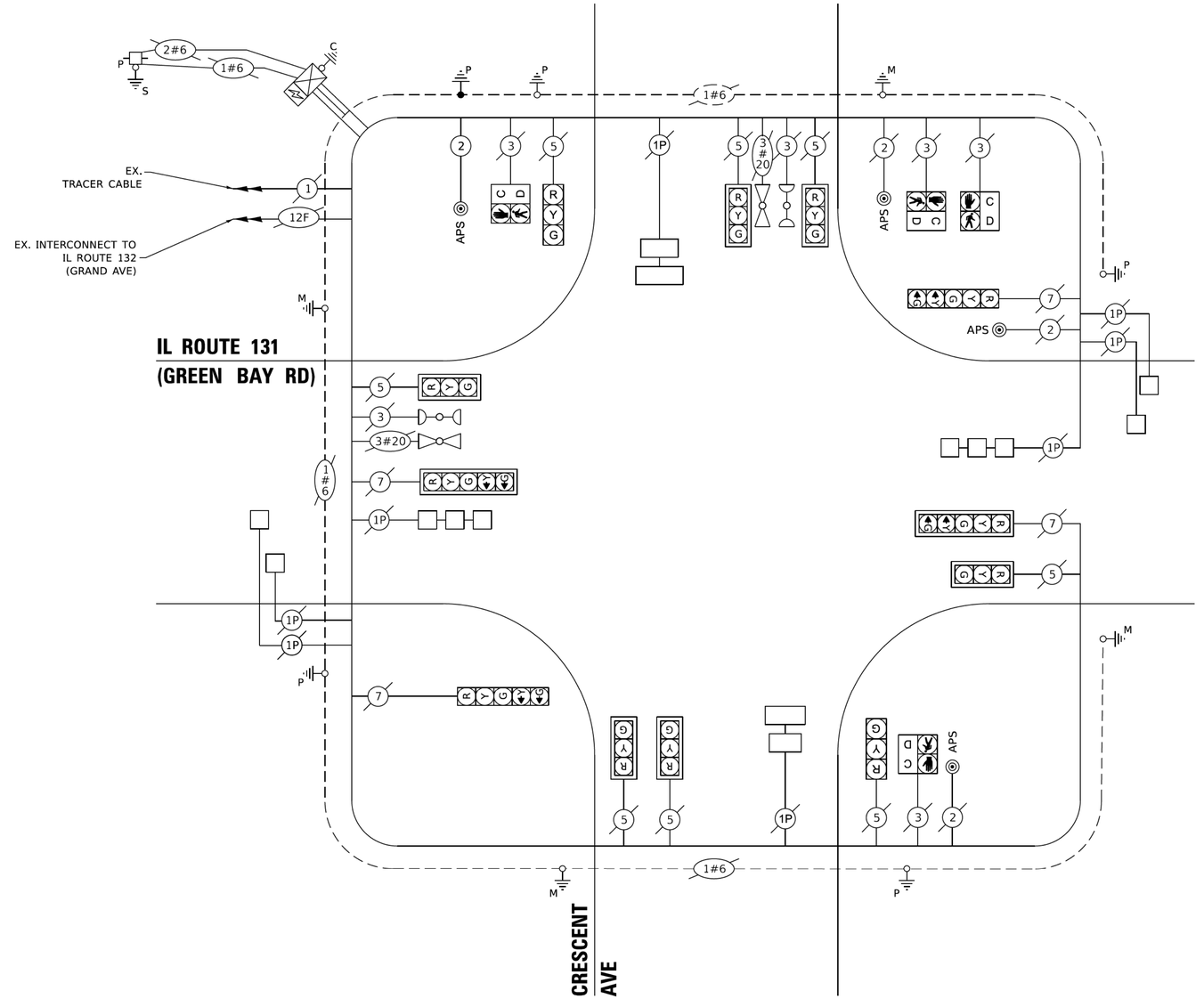


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	8	11	88
	4-SECTION	-	14	-
	5-SECTION	4	13	52
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		4	15	60
CONTROLLER		1	150	150
MASTER CONTROLLER		-	100	-
UPS		1	25	25
DETECTION	RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN		-	25	-
NETWORK SWITCH	II OR III	1	35	35
CELLULAR MODEM		-	15	-
TOTAL UPS SIZING				410
UPS CHARGING		1	225	225
BATTERY HEATER MAT		1	180	180
CABINET HEATER		1	200	200
FLASHER		-	15	-
LED STREET NAME SIGN		-	120	-
LUMINAIRE		-	240	-
TOTAL SERVICE WIRE SIZING				1015

ENERGY COSTS TO:
CITY OF MCHENRY
333 SOUTH GREEN STREET
MCHENRY, ILLINOIS 60050

ENERGY SUPPLY:
CONTACT: NEW BUSINESS DEPARTMENT
PHONE: (886) 629-3532
COMPANY: COMED
ACCOUNT NUMBER: 68835-56000
METER NUMBER: 272348601



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	21
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	55
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	26
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	500
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	38
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

TS 20485
EAGLE 4P

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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 131 (GREEN BAY RD) AND CRESCENT AVE

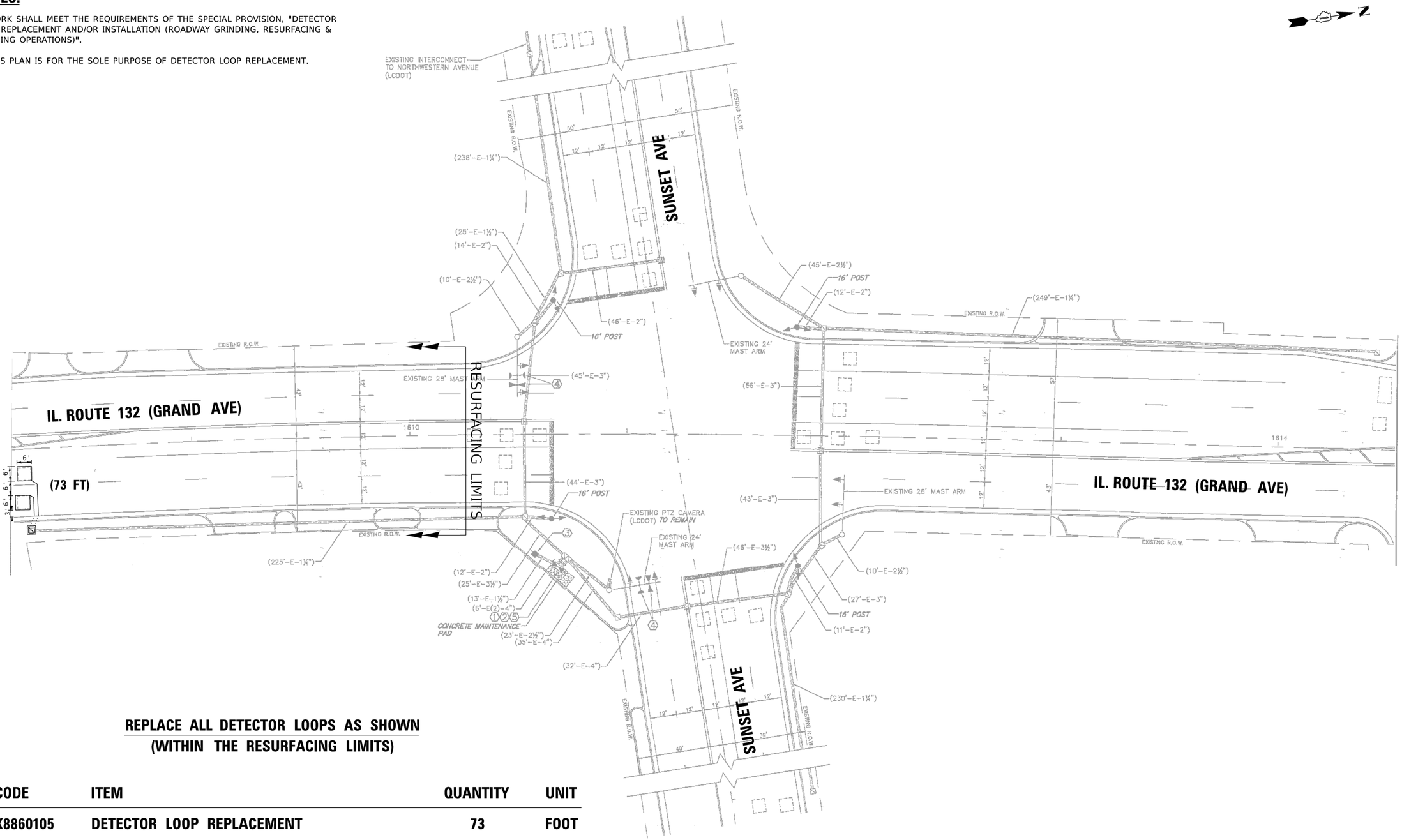
SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	24
		CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS)".

2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



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

CODE	ITEM	QUANTITY	UNIT
X8860105	DETECTOR LOOP REPLACEMENT	73	FOOT

IDOT
TS 15025
EAGLE 4P

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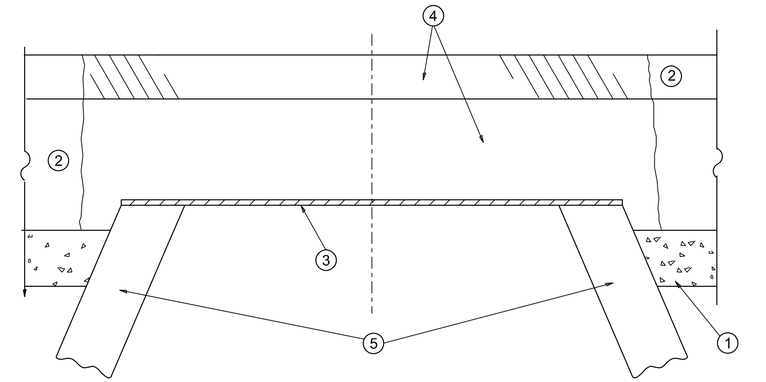
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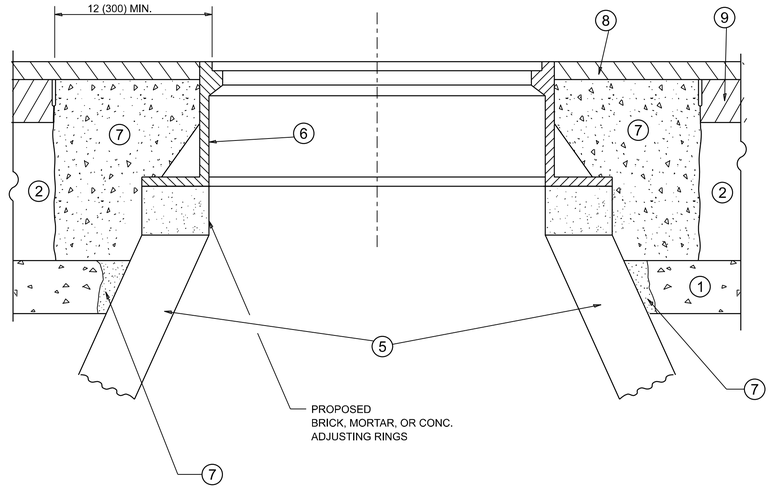
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN
IL ROUTE 131 (GREEN BAY RD) AND SUNSET AVE

SCALE: | SHEET 6 OF 6 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	25
		CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			





DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

NOTES

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

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

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

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

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

MODEL: BD-08 [Sheet]
FILE NAME: c:\pw_work\pwidot\elkhatib\d1206048\D118326-sht-DistStds.dgn

USER NAME = Aya.Elkhatib	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11	
	DRAWN -	REVISED - R. BORO 12-06-11	
	CHECKED -	REVISED - K. SMITH 11-18-22	
PLOT DATE = 8/14/2026	DATE - 10-25-94	REVISED - K. SMITH 09-15-23	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

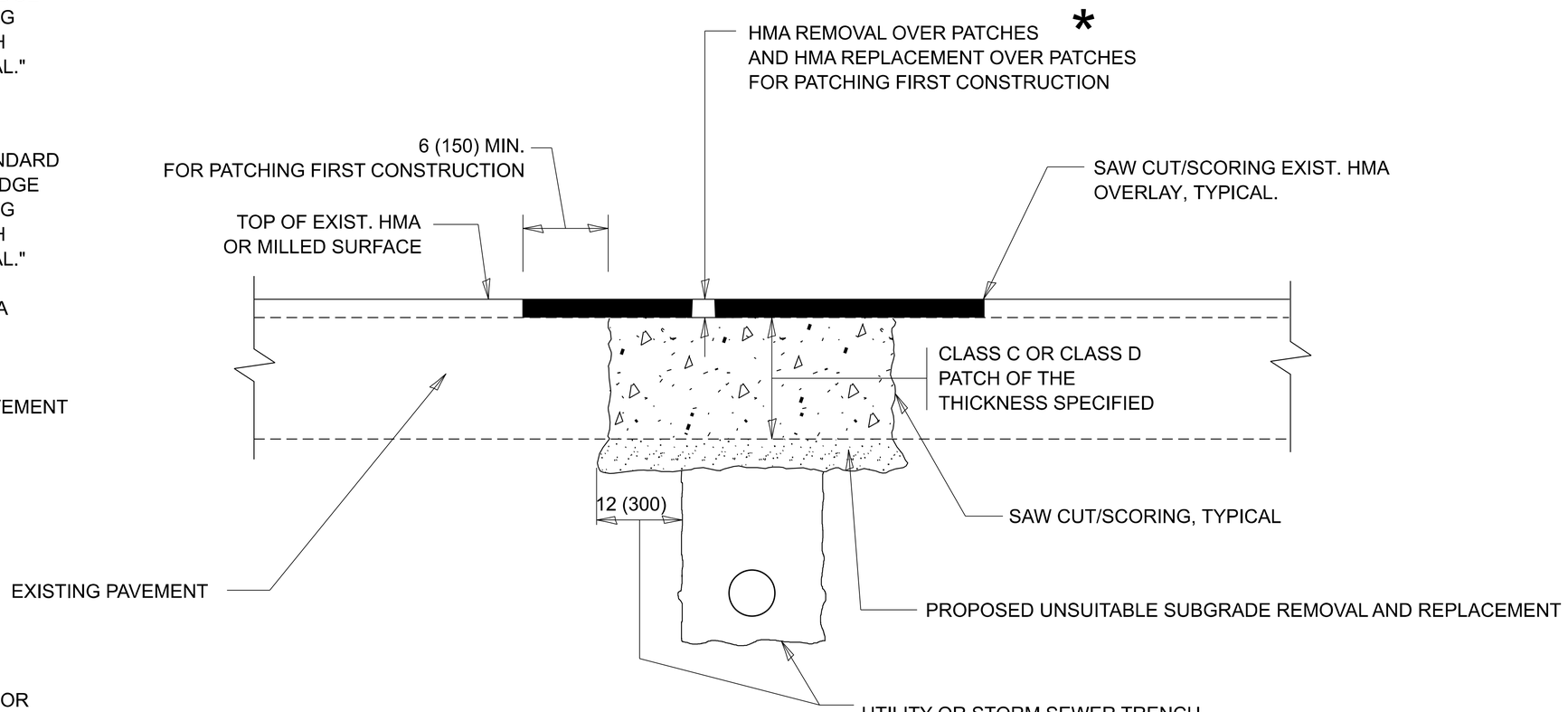
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	26
	BD600-03 (BD-08)	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

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

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

USER NAME = Aya.Elkhatib	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 8/14/2026	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

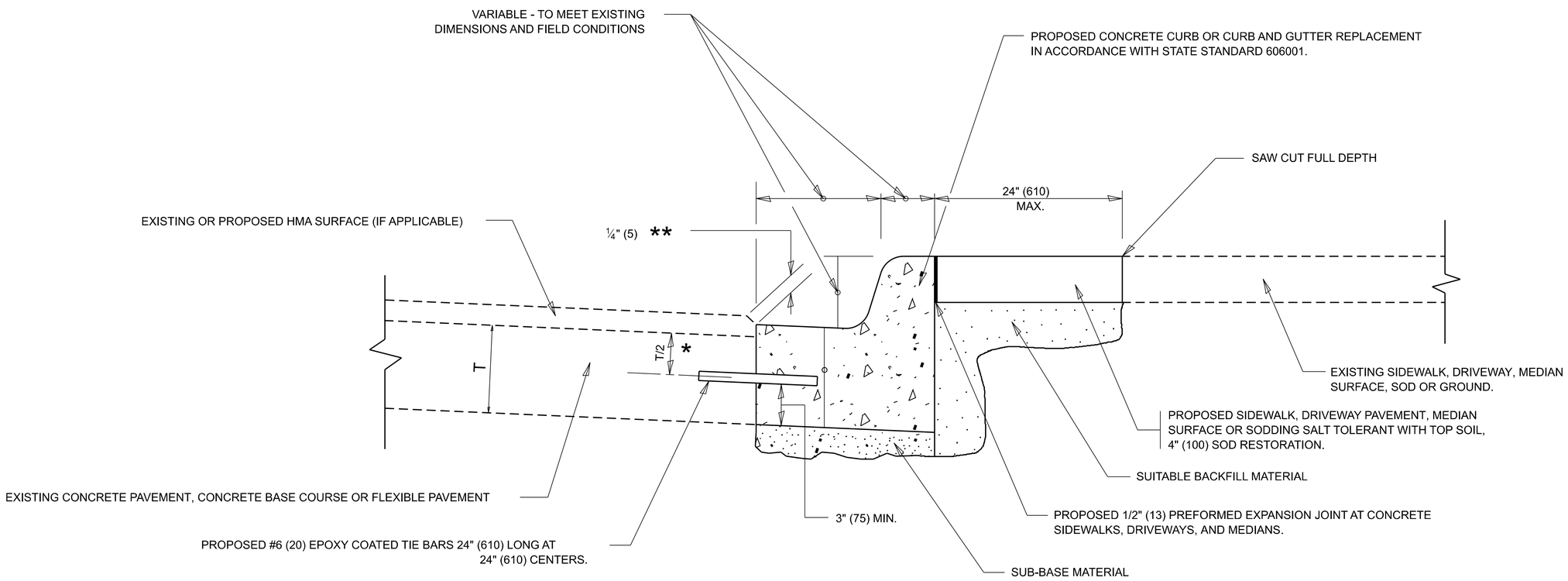
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	27
	BD400-04 (BD-22)	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

MODEL: BD-22 [Sheet]
FILE NAME: c:\pw_work\pwidot\elkhatibaj\d1206048\D118326-sht-DistStds.dgn



* 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.

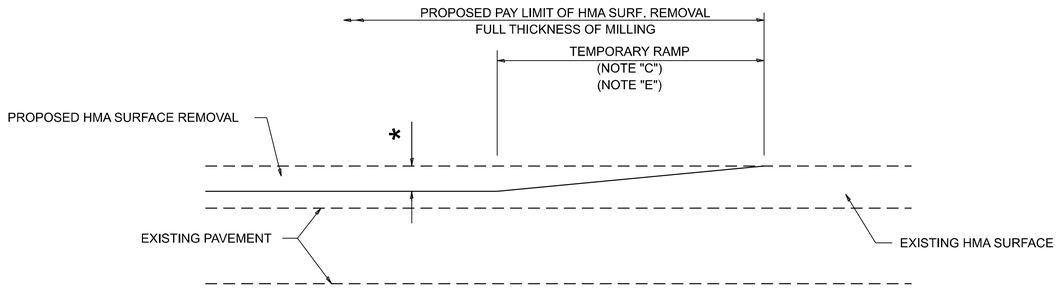
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USER NAME = Aya.Elkhatib	DESIGNED - A. HOUSEH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - M. GOMEZ 01-22-01	
	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 8/13/2026	DATE - 03-11-94	REVISED - K. SMITH 07-11-19	

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

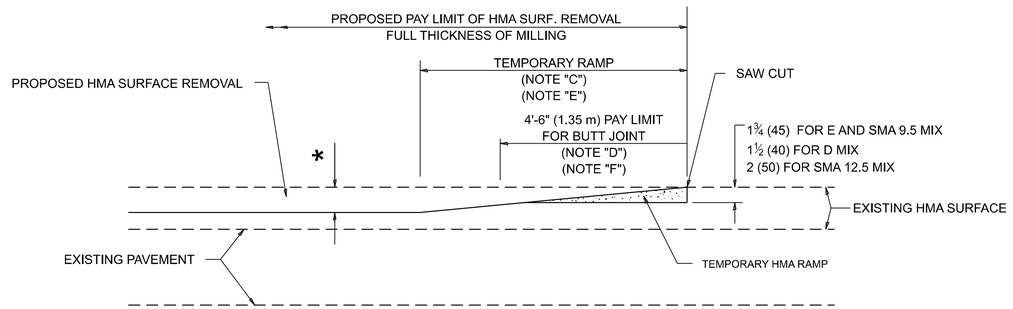
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	28
	BD600-06 (BD-24)	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

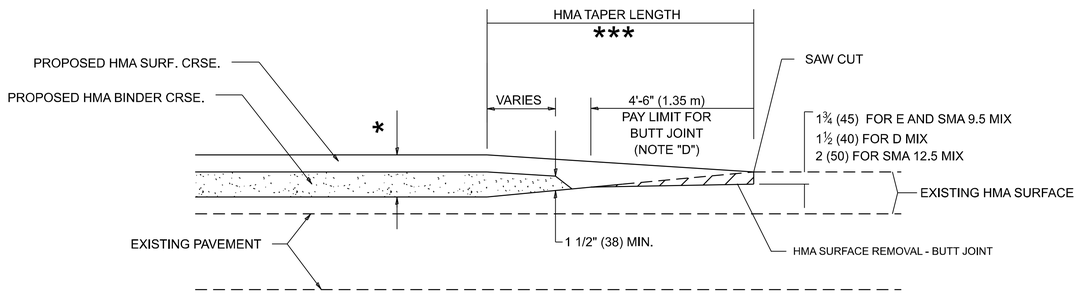


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

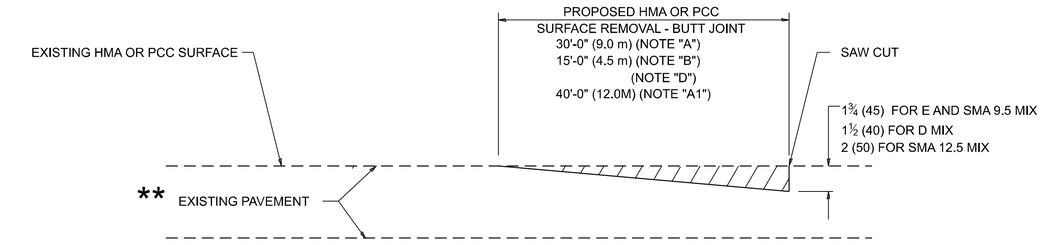
OPTION 2

TYPICAL TEMPORARY RAMP

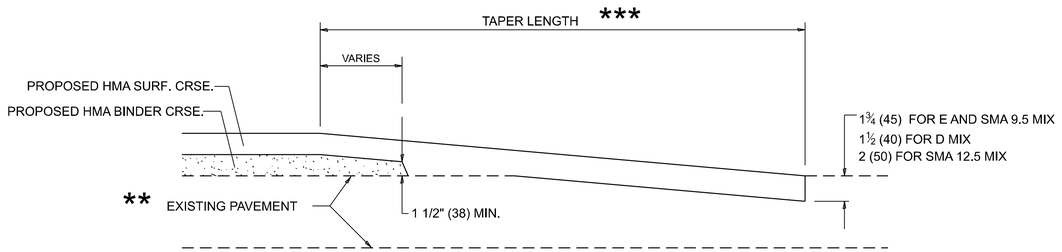


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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".

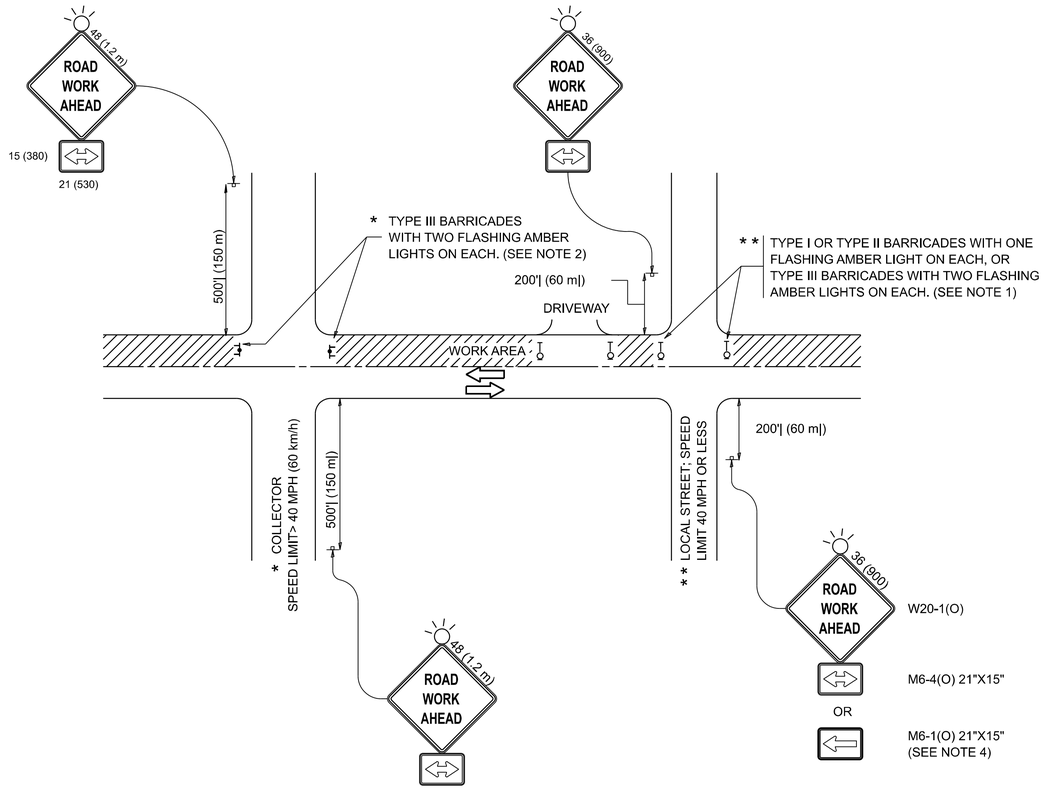
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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

USER NAME = Aya.Elkhatib	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS	
	DRAWN -	REVISED - M. GOMEZ 04-06-01			
	CHECKED -	REVISED - R. BORO 01-01-07			
PLOT DATE = 8/14/2026	DATE - 06-13-90	REVISED - K. SMITH 11-18-22		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	29
	BD400-05 BD-32	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

MODEL: BD-32 [Sheet]
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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 WORK 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 WORK AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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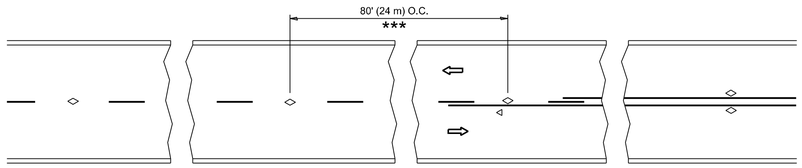
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	DRAWN -	REVISED - A. SCHUETZE 09-15-06	
	CHECKED -	REVISED - D. SENDERAK 05-03-25	
PLOT DATE = 8/14/2026	DATE - 06-89	REVISED - D. SENDERAK 09-15-26	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: | SHEET OF SHEETS | STA. | TO STA.

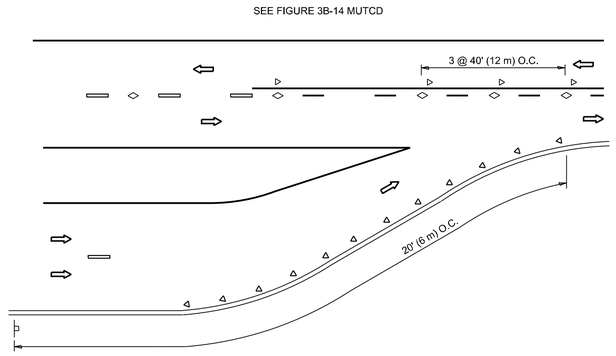
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	TC-10	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



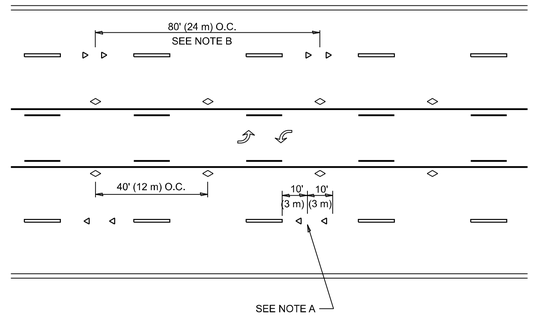
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

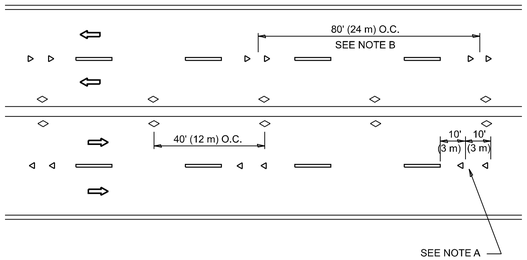
SEE FIGURE 3B-14 MUTCD



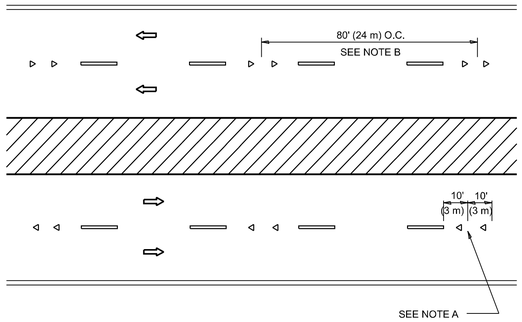
LANE REDUCTION TRANSITION



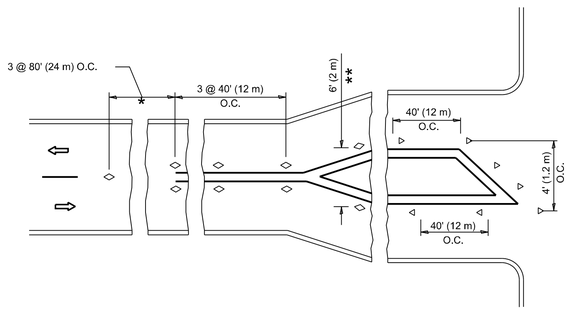
TWO-WAY LEFT TURN

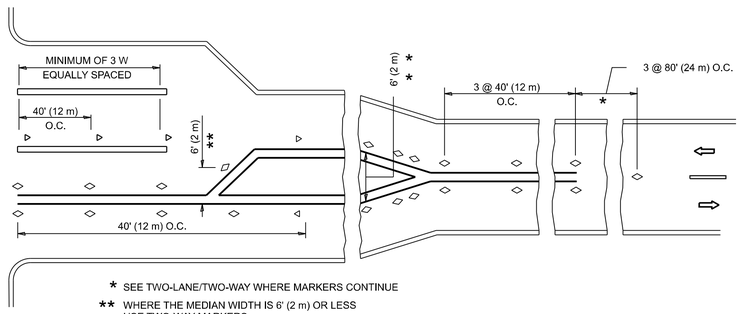


MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

TURN LANES

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
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.

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

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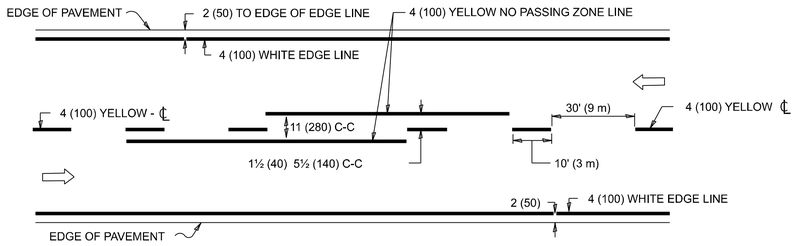
USER NAME = Aya.Elkhatib	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
	CHECKED -	REVISED - C. JUCIUS 09-09-09	
PLOT DATE = 8/14/2026	DATE -	REVISED - C. JUCIUS 07-01-13	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

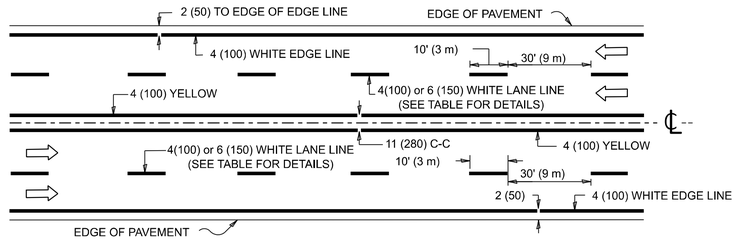
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

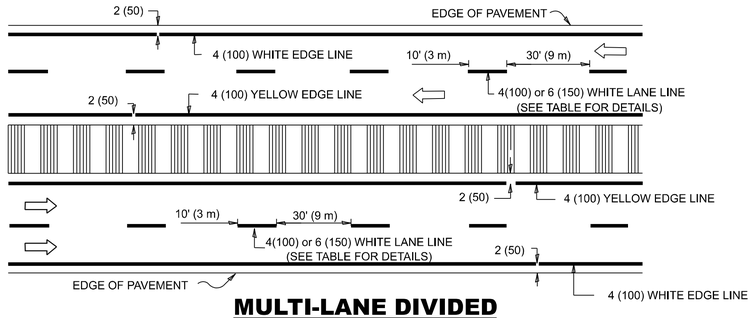
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	31
	TC-11	CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	



2-LANE ROADWAY

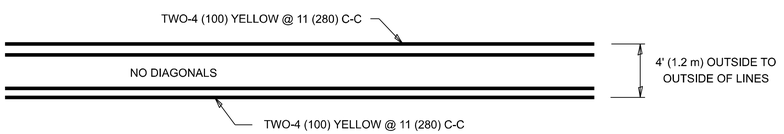


MULTI-LANE UNDIVIDED

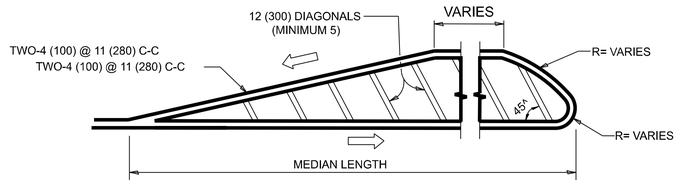


MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



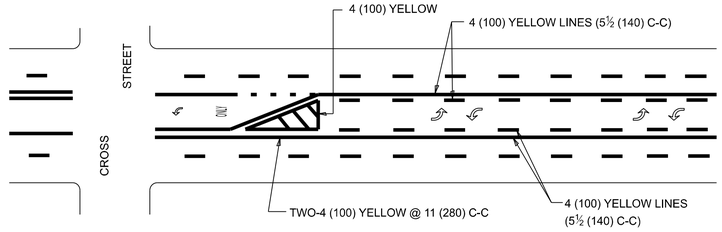
4' (1.2 m) WIDE MEDIANS ONLY



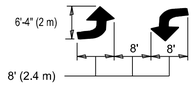
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

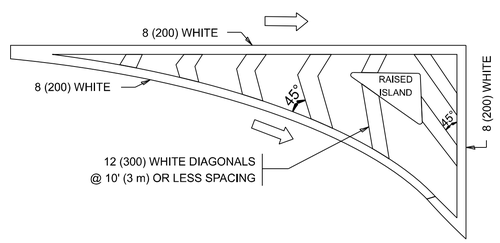


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR.
ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

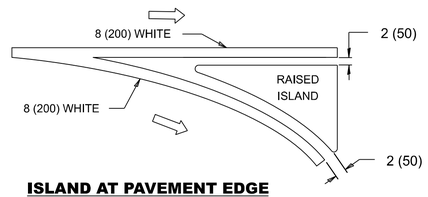


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

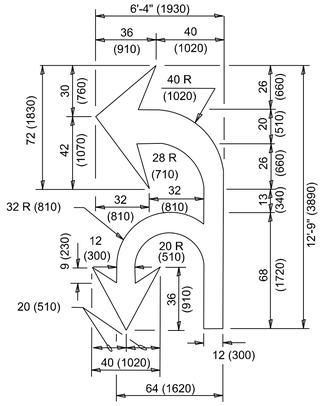


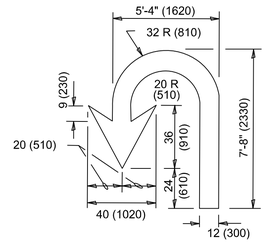
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

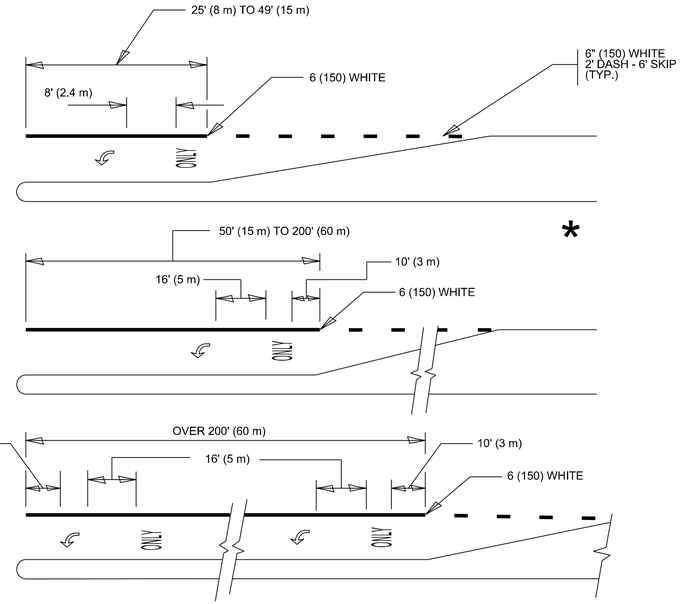
TYPICAL ISLAND MARKING





COMBINATION LEFT AND U-TURN

U-TURN



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

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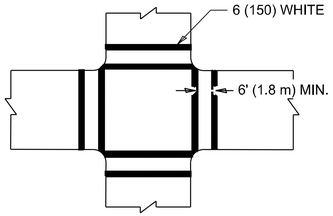
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	DRAWN -	REVISED - C. JUCIUS 12-21-15	
	CHECKED -	REVISED - C. JUCIUS 04-12-16	
PLOT DATE = 8/14/2026	DATE - 03-19-90	REVISED - K. KANNAN-HOSADURGA 06-29-26	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

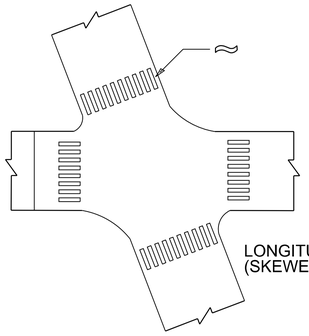
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

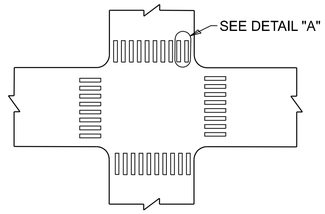
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-13A	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



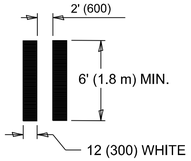
TRANSVERSE CROSSWALK



LONGITUDINAL CROSSWALK
(SKEWED INTERSECTION)



LONGITUDINAL CROSSWALK

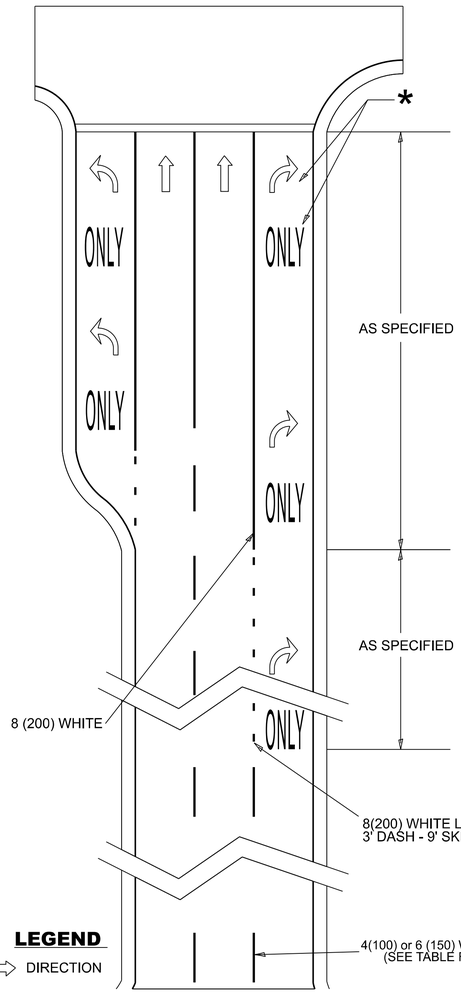


DETAIL "A"

TYPICAL CROSSWALK MARKING

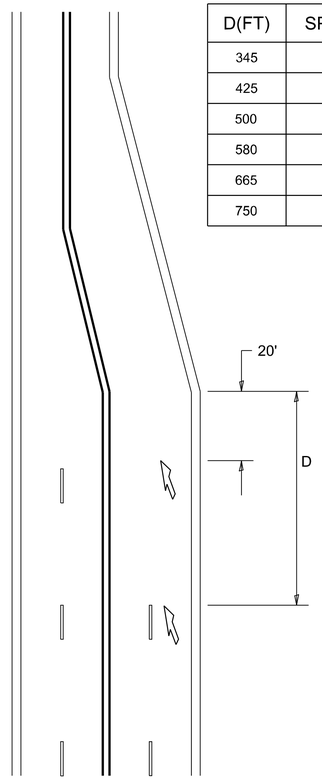
≈ THE INDIVIDUAL LONGITUDINAL ELEMENTS OF A LONGITUDINAL BAR CROSSWALK SHOULD BE ANGLED SUCH THAT THEY ARE PARALLEL TO THE TRAVEL PATH OF APPROACHING TRAFFIC

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



ARTERIAL ROAD LANE-DROP MARKINGS

* FOLLOW TYPICAL TURN LANE MARKINGS FOR PLACEMENT AND SIZE DETAILS OF 'ARROW' AND 'ONLY' MARKINGS IN THE TURN LANE.



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES FOR SPEED LIMIT <= 45 MPH LANE LINES FOR SPEED LIMIT > 45 MPH	4 (100) 6 (150)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (TYPICAL FOR EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS, EXCEPT AT LANE-DROP MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (0.60m) 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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
TRANSVERSE CROSSWALK LONGITUDINAL BARS CROSSWALK	2 @ 6 (150) 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART AND PARALLEL TO TRAFFIC FLOW SEE TYPICAL CROSSWALK MARKING DETAIL 'A'.
STOP LINES	24 (600)	SOLID	WHITE	PLACE MINIMUM 4' (1.2 m) IN ADVANCE OF CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, NO MORE THAN 30' (9.1 m) OR LESS THAN 4' (1.2 m) FROM NEAREST EDGE OF INTERSECTING TRAVELED WAY.
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, TC 23 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF
ARTERIAL LANE-DROP MARKINGS DOTTED LINES FOR LANE-DROP TURN LANE MARKINGS	 8 (200) 8 (200)	 SKIP - DASH SOLID	 WHITE WHITE	3' (0.91 m) LINE WITH 9' (2.74 m) SPACE

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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	DRAWN -	REVISED - C. JUCIUS 12-21-15	
	CHECKED -	REVISED - C. JUCIUS 04-12-16	
PLOT DATE = 8/14/2026	DATE - 03-19-90	REVISED - K. KANNAN-HOSADURGA 06-29-26	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	33
	TC-13B	CONTRACT NO. 80C93		
		ILLINOIS | FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

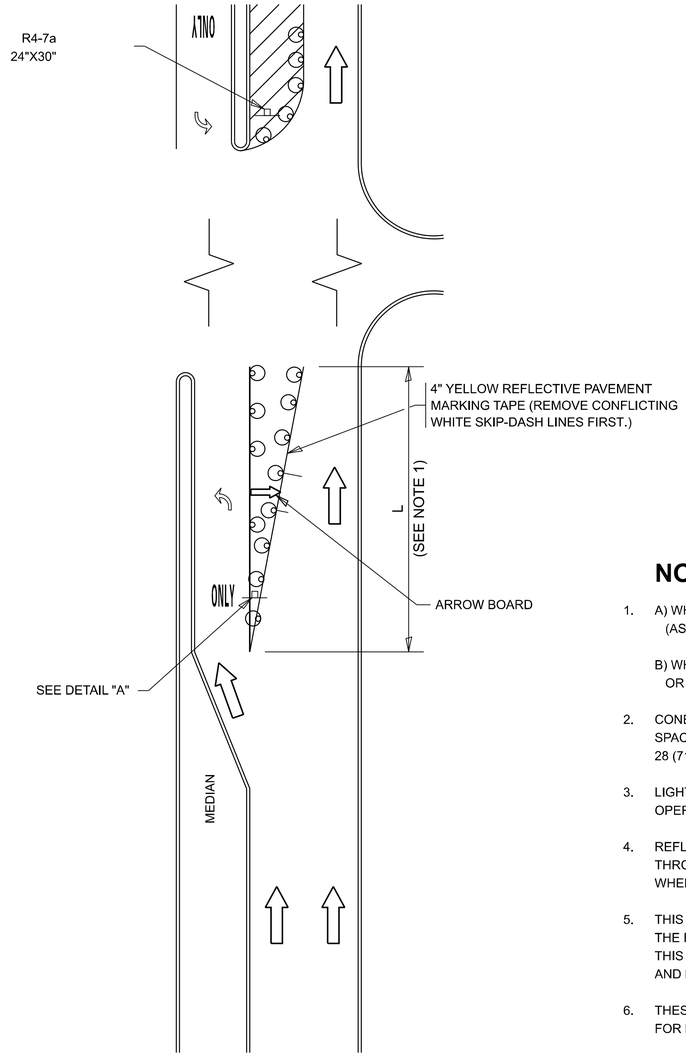


FIGURE 1

LEGEND

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

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

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

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

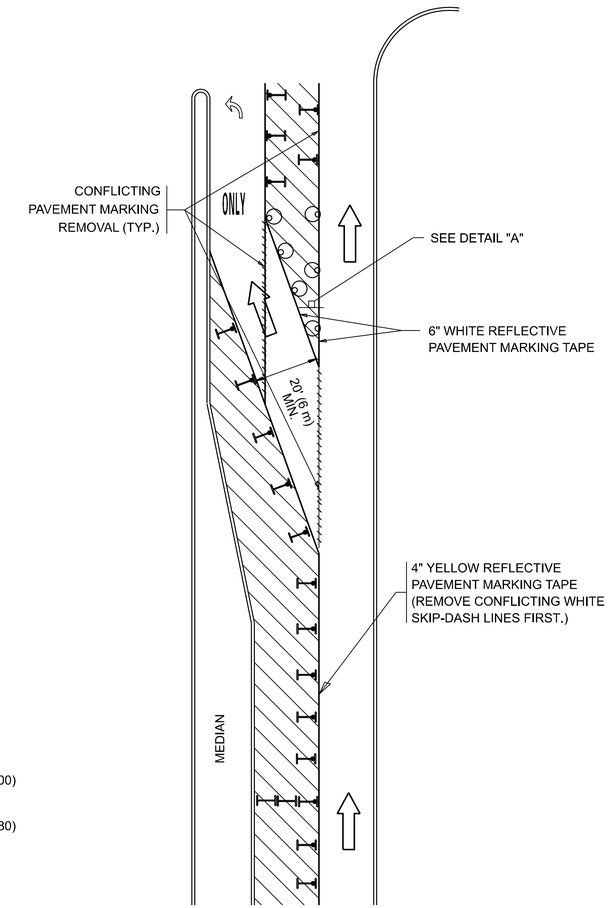
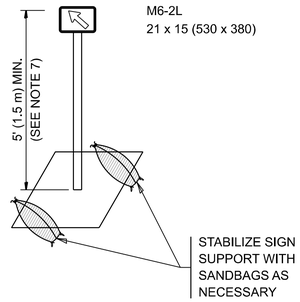


FIGURE 2



DETAIL A

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

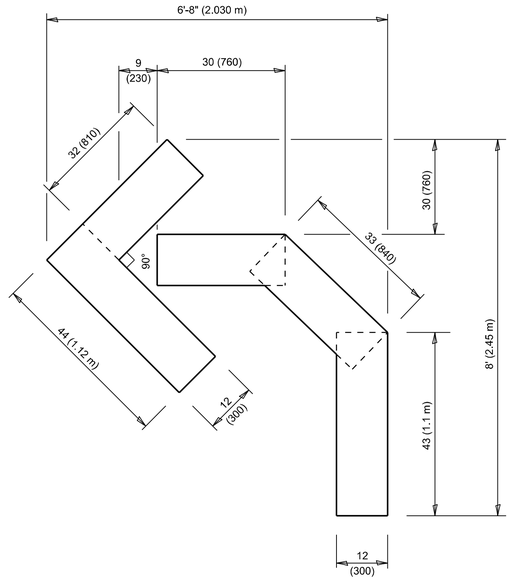
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USER NAME = Aya.Elkhatib	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 8/14/2026	DATE - T. RAMMACHER 01-06-00	REVISED -	

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

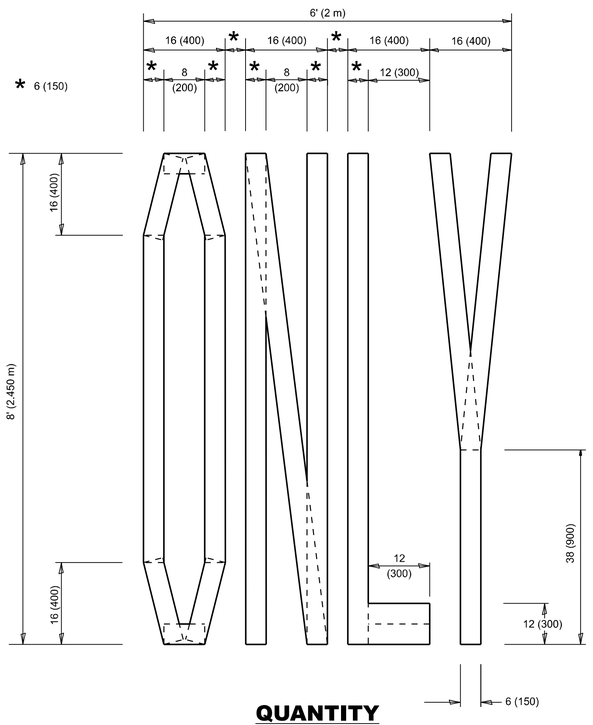
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-14	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



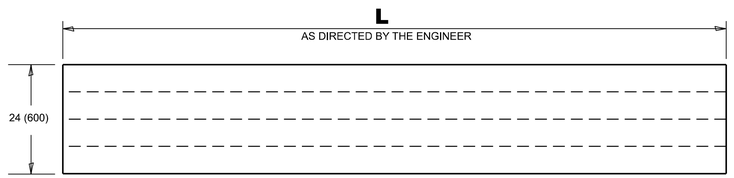
QUANTITY

6 (150) LINE = 30.4 ft. (9.27 m)
15.2 sq. ft. (1.41 sq. m)



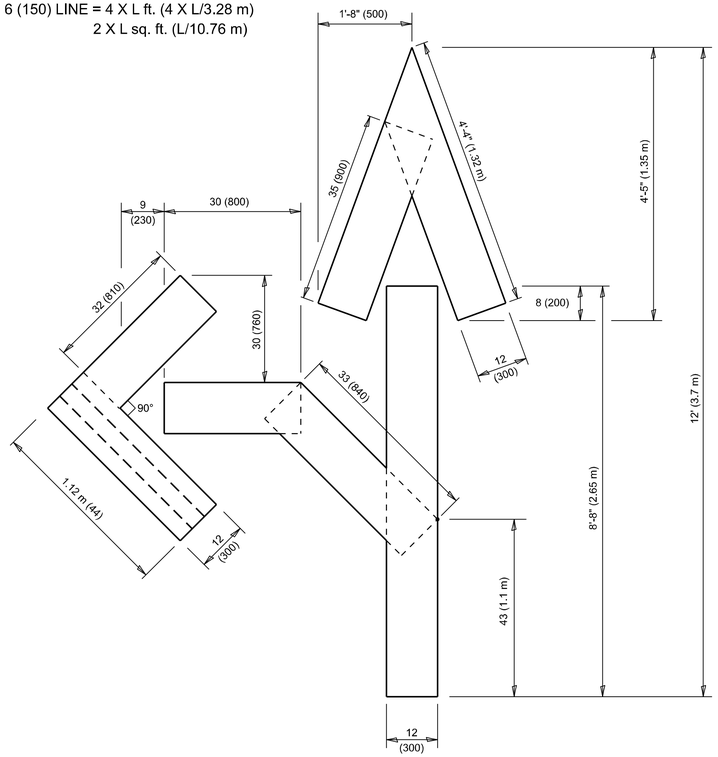
QUANTITY

6 (150) LINE = 64.1 ft. (19.5 m)
32.05 sq. ft. (2.98 sq. m)



QUANTITY

6 (150) LINE = 4 X L ft. (4 X L/3.28 m)
2 X L sq. ft. (L/10.76 m)

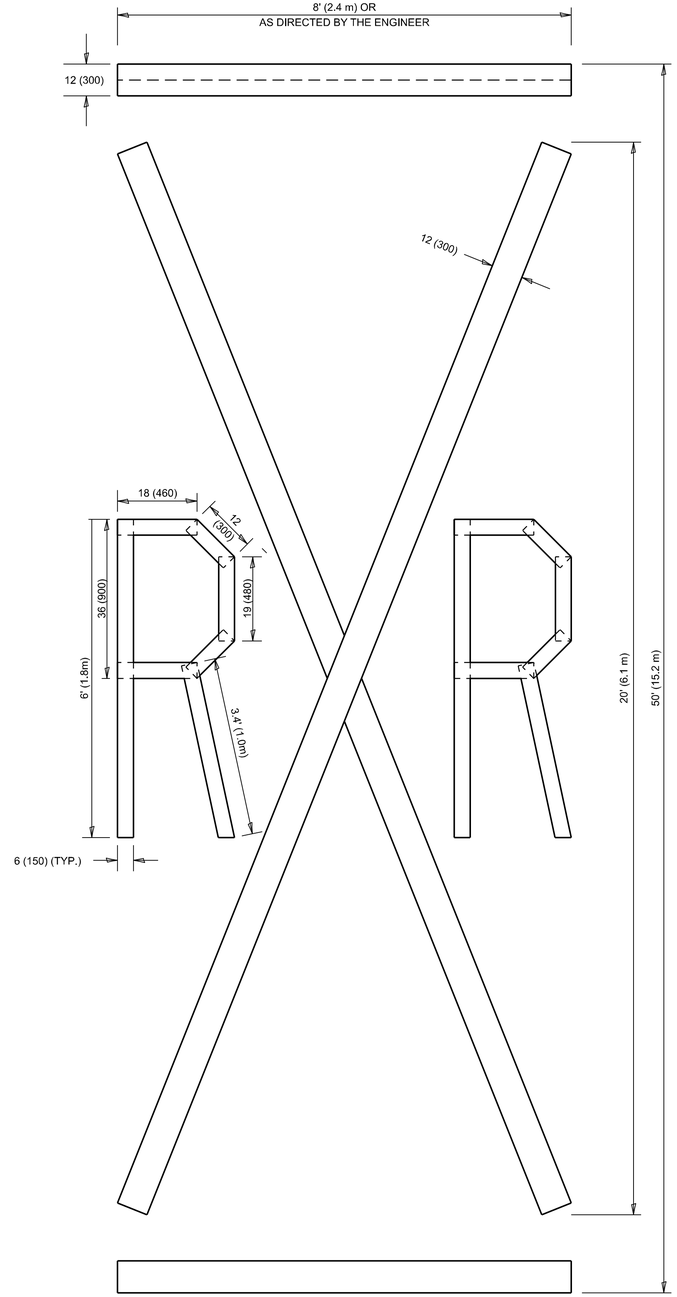


QUANTITY

6 (150) LINE = 55 ft. (16.76 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 6" LINES TO MATCH THE 6" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 6" TAPE REQUIRED.



QUANTITY

6 (150) LINE = 225.9 ft. (68.9 m)
112.95 sq. ft. (10.5 sq. m)

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

USER NAME = Eric.L.thomas	DESIGNED -	REVISED - E. GOMEZ 08-28-00	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
	CHECKED -	REVISED - A. SCHUETZE 09-15-16	
PLOT DATE = 12/2/2024	DATE - 09-18-94	REVISED - J. JONES 09-15-26	

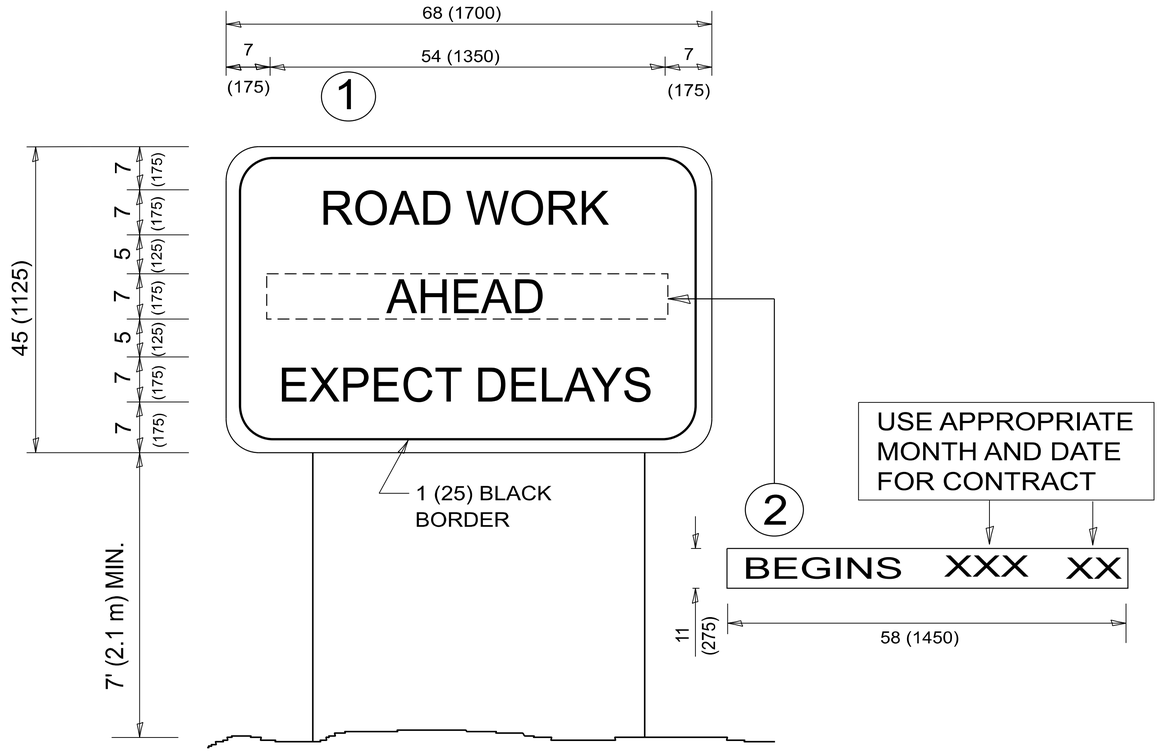
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TC-16	CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	

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NOTES:

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

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

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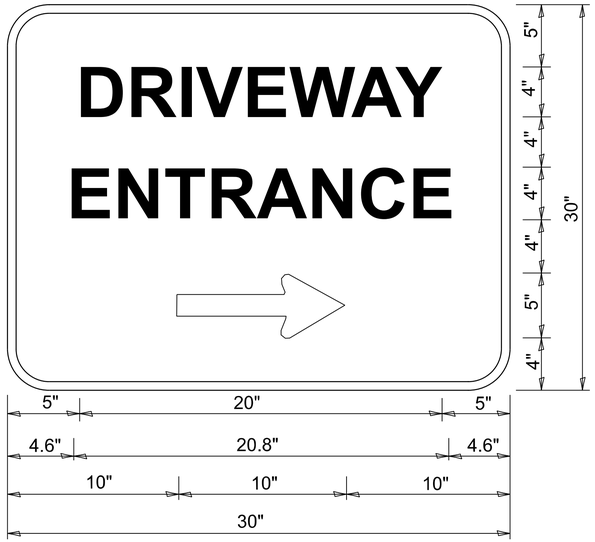
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	DRAWN -	REVISED -	R. MIRS 12-11-97
	CHECKED -	REVISED -	T. RAMMACHER 02-02-99
PLOT DATE = 8/14/2026	DATE -	REVISED -	C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	36
	TC-22	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



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

NOTES:

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

MODEL: TC-26 [Sheet]
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USER NAME = Aya.Elkhatib	DESIGNED -	REVISED - C. JUCIUS 02-15-07	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/14/2026	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	37
	TC-26	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED
TRAFFIC SIGNAL CABINET		
UNINTERRUPTABLE POWER SUPPLY		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
CELLULAR MODEM	CM	CM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD - PROGRAMMABLE	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIRMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
DOUBLE HANDHOLE		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER BUNGALOW	R	R
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVAL ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P	P
WIRELESS DETECTOR SENSOR	W	W

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	R Y G — P EV	R Y G — P EV
SIGNAL HEAD WITH BACKPLATE -(RB) RETROREFLECTIVE BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(EV) ELONGATED VISORS	R Y G — RB P EV	R Y G — RB P EV
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED LED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
ELECTRIC CABLE, SIGNAL, NO. 14 - 2/C, 3/C, 5/C, 7/C	5	5
ELECTRIC CABLE, LEAD-IN, NO. 14, 1 PAIR	1P	1P
SERVICE CABLE, 2/C - NO. 2, NO. 4, NO. 6	2#2 2#4 2#6	2#2 2#4 2#6
GROUND CABLE NO. 6 SOLID COPPER (GREEN), 1/C	1#6	1#6
ELECTRIC CABLE, TRACER, NO. 14, 1/C	1	1
ELECTRIC CABLE, RAILROAD, NO. 14, 3/C	RAILROAD NO. 14 3/C — 3	RAILROAD NO. 14 3/C — 3
ELECTRIC CABLE, STREET NAME SIGN NO. 14, 3/C, TYPE SOOW	SOOW — 3	SOOW — 3
VENDOR CABLE	V	V
EMERGENCY VEHICLE PRIORITY LINE SENSOR CABLE, NO. 20, 3/C	3#20	3#20
OUTDOOR RATED NETWORK CABLE	ONC	ONC
FIBER OPTIC CABLE -12F: 12 MULTIMODE -24F: 12 MULTIMODE / 12 SINGLE MODE -36F: 12 MULTIMODE / 24 SINGLE MODE -24SM: 24 SINGLE MODE -48SM: 48 SINGLE MODE	12F 24F 36F 24SM 48SM	24F 36F 24SM 48SM
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

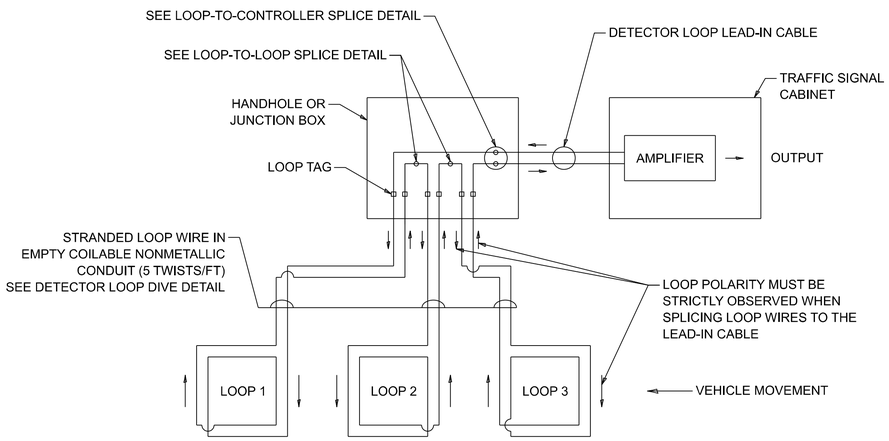
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

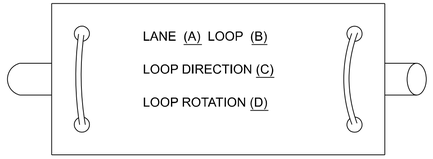
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	38
	TS-01	CONTRACT NO. 80C93		
		ILLINOIS FED. AID PROJECT		

DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. 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.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES 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" APART.
9. 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.
10. PREFORMED DETECTOR LOOPS SHALL BE USED 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.



DETECTOR LOOP WIRING SCHEMATIC



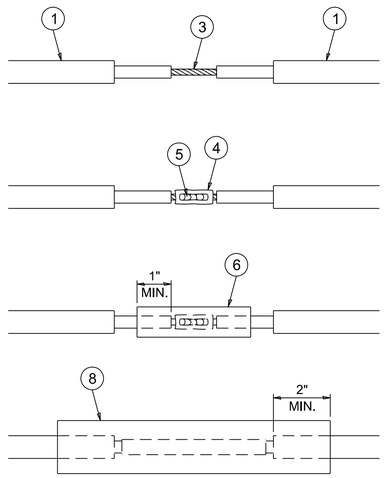
A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY.

B. LOOP #1 IS THE LOOP CLOSEST TO THE INTERSECTION.

C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

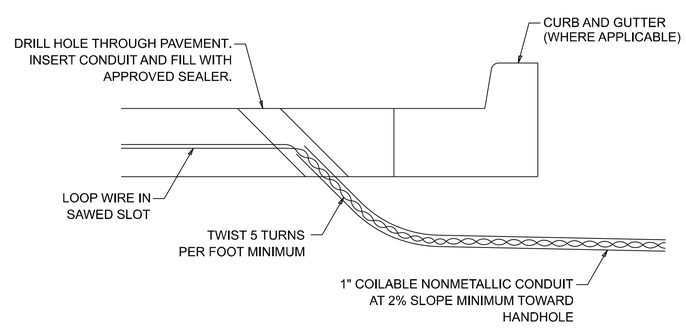
D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

DETECTOR LOOP LEAD-IN CABLE TAG

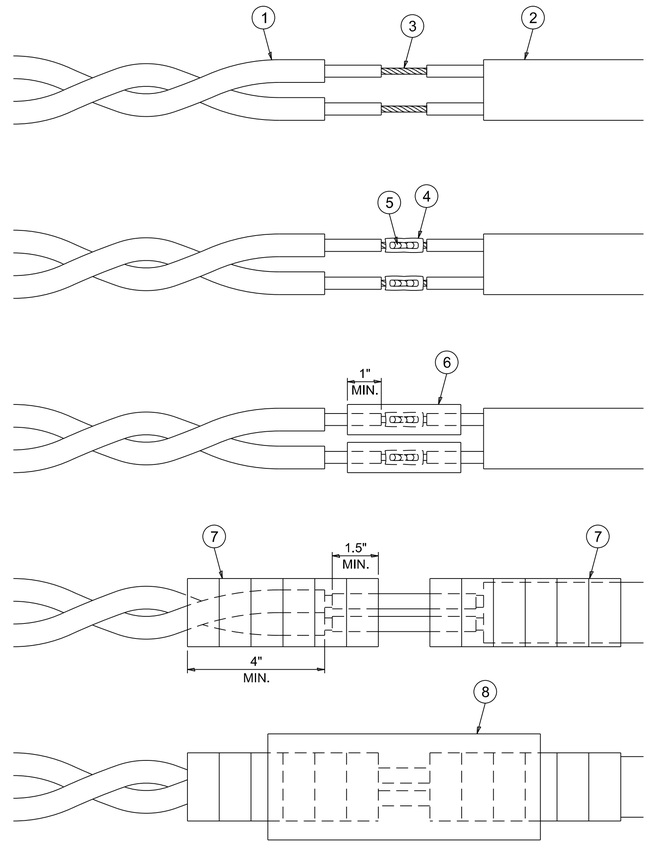


LOOP-TO-LOOP SPLICE DETAIL

1. DETECTOR LOOP CABLE.
2. DETECTOR LOOP LEAD-IN CABLE
3. BARE CONDUCTORS TWISTED TOGETHER.
4. BUTT SPLICE CRIMP CONNECTOR.
5. SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE SPLICES SHALL BE STAGGERED.
6. WCSMW 30/100 HEAT SHRINK TUBE, 3" MINIMUM LENGTH, UNDERWATER GRADE.
7. SELF-INFUSED, SILICONE ELECTRICAL TAPE TIGHTLY WRAPPED AROUND CABLES.
8. WCS 200/750 HEAT SHRINK TUBE, 8" MINIMUM LENGTH, UNDERWATER GRADE.



DETECTOR LOOP DIVE DETAIL



LOOP-TO-CONTROLLER SPLICE DETAIL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

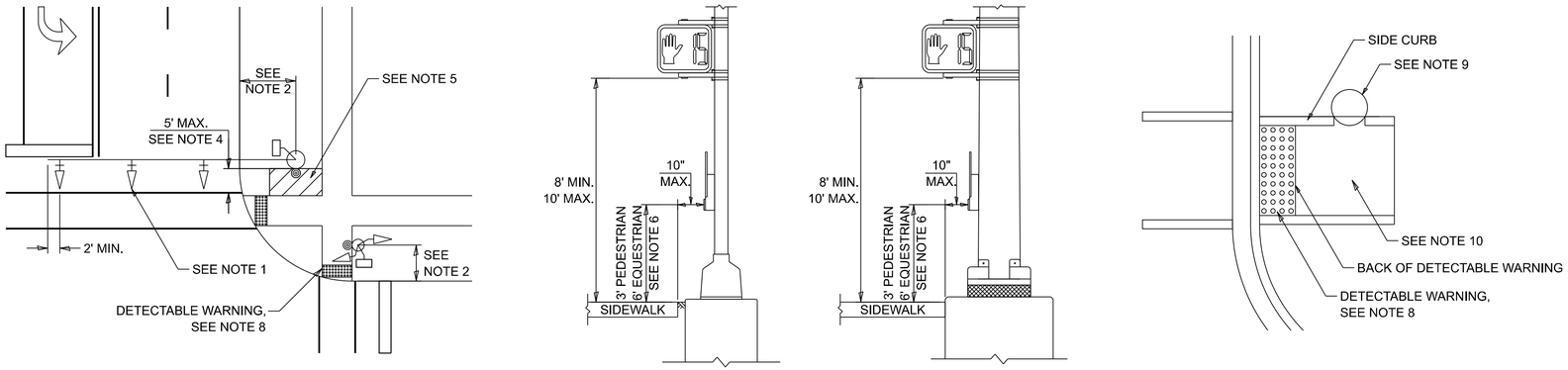
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	39
	TS-01	CONTRACT NO. 80C93		
		ILLINOIS	FED. AID PROJECT	

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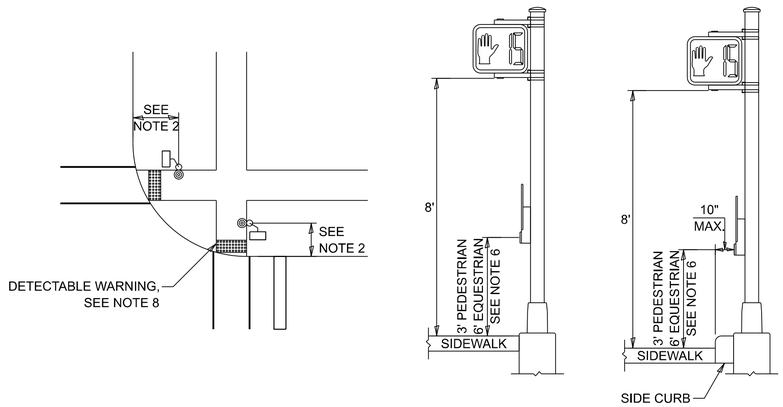
NOTES:

1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHAL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

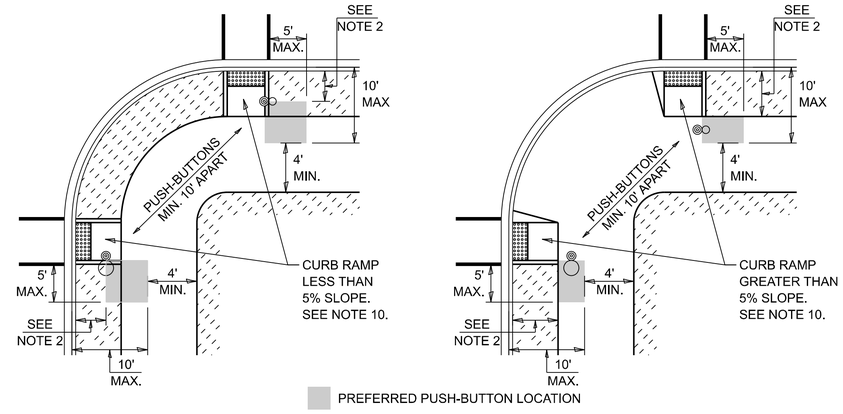
TRAFFIC SIGNAL MAST ARM AND SIGNAL POST



PEDESTRIAN SIGNAL POST



PUSH-BUTTON LOCATIONS



TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
MAST ARM ASSEMBLY AND POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
SIGNAL POST	4'	SHOULDER WIDTH + 2', MINIMUM 10'
PEDESTRIAN SIGNAL POST	4'	4' - SEE NOTE 2
TEMPORARY WOOD POLE	6'	SHOULDER WIDTH + 2', MINIMUM 10'
TRAFFIC SIGNAL CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3
SERVICE CABINET	6' - SEE NOTE 3	SHOULDER WIDTH + 6', MINIMUM 16' - SEE NOTE 3

TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE 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" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

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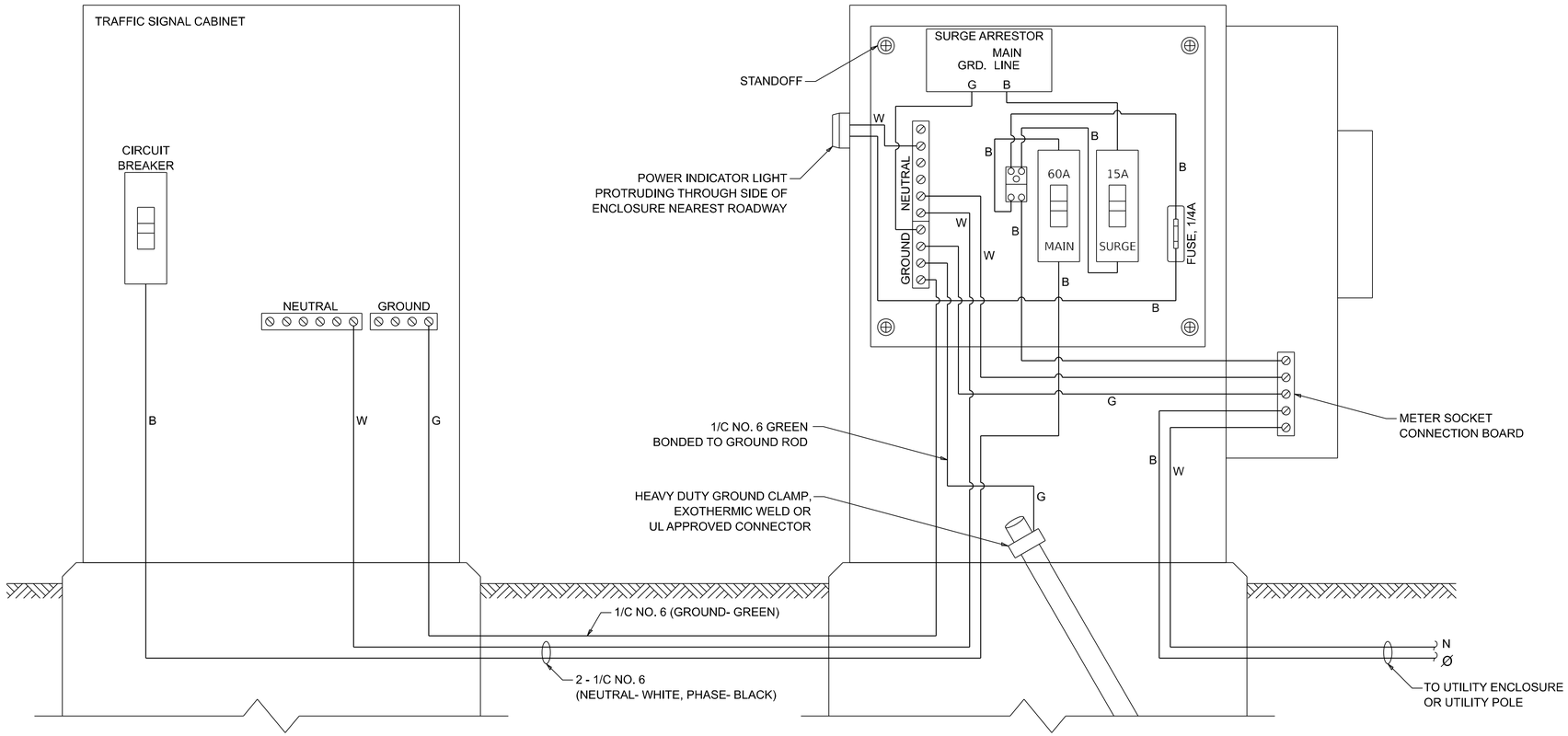
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

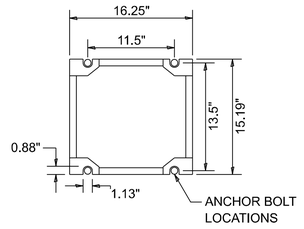
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-01	CONTRACT NO. 80C93		
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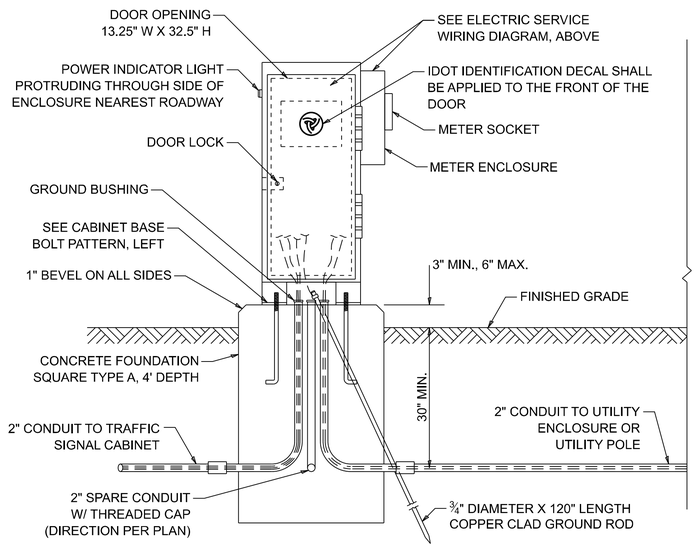
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

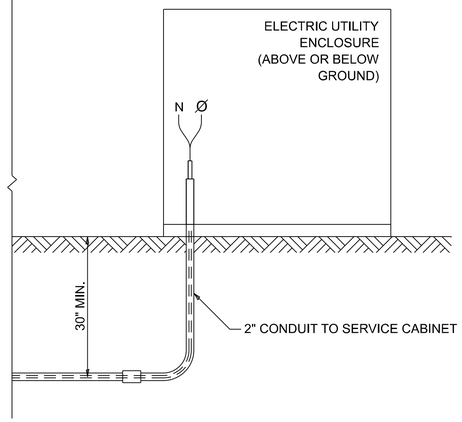
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR. THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



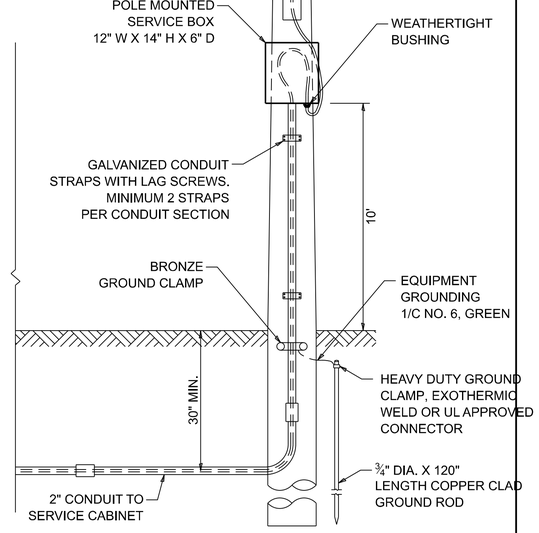
CABINET BASE BOLT PATTERN



SERVICE INSTALLATION - GROUND MOUNTED WITH METER



CONNECTION TO UTILITY ENCLOSURE

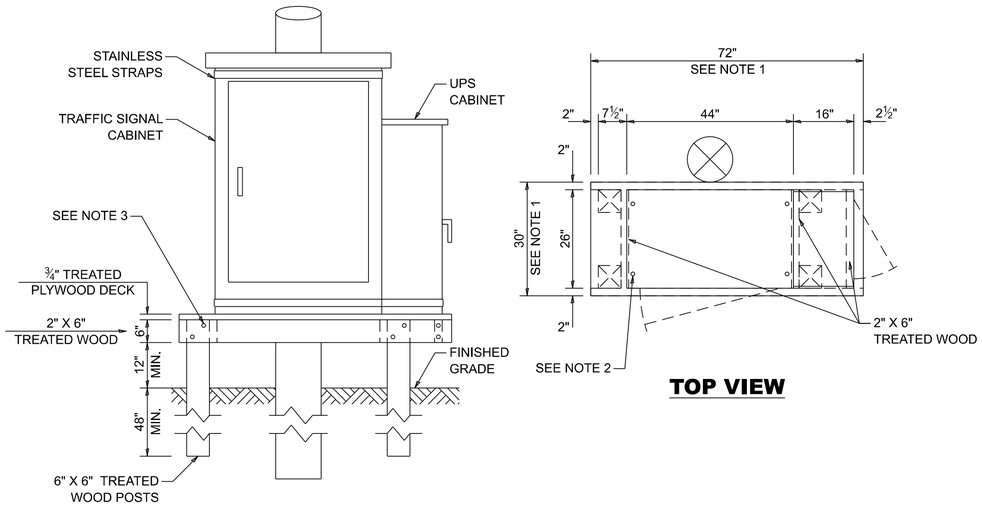


CONNECTION TO UTILITY POLE

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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	41
	TS-01	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

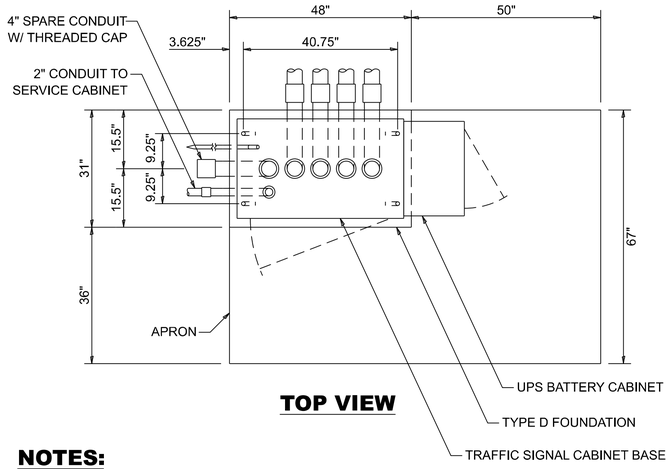


TOP VIEW

NOTES:

1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" X 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" X 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

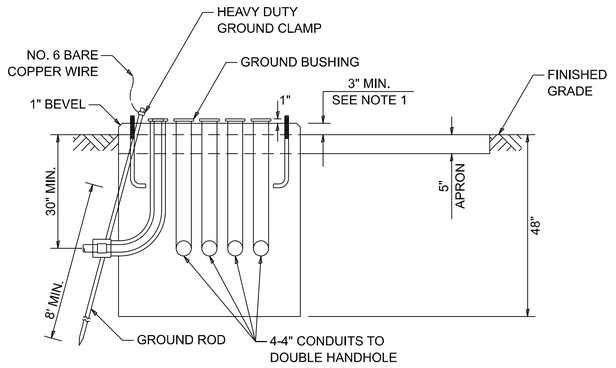
TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM



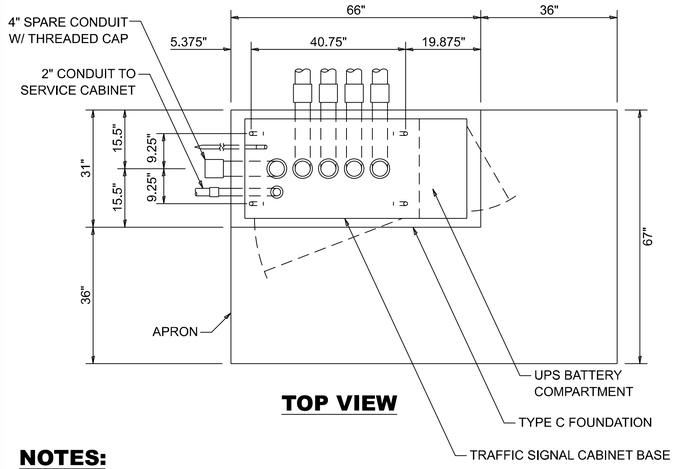
TOP VIEW

NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



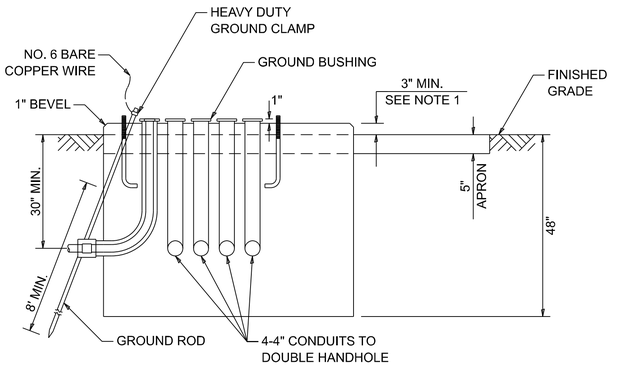
TYPE D FOUNDATION
TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET



TOP VIEW

NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



TYPE C FOUNDATION
SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
LESS THAN 30'	10'	30"	24"	8	#6
GREATER THAN OR EQUAL TO 30' AND LESS THAN 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 40' AND LESS THAN 50'	13'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 50' AND UP TO 55'	15'	36"	30"	12	#7
GREATER THAN OR EQUAL TO 56' AND LESS THAN 65'	21'	42"	36"	16	#8
GREATER THAN OR EQUAL TO 65' AND UP TO 75'	25'	42"	36"	16	#8

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FOUNDATION	DEPTH
TYPE A - SIGNAL POST, SERVICE CABINET	4'
TYPE C - TRAFFIC SIGNAL CABINET WITH UPS	4'
TYPE D - TRAFFIC SIGNAL CABINET	4'

DEPTH OF FOUNDATIONS TYPES A, C & D

TYPE E FOUNDATION NOTES:

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

VERTICAL CABLE	LENGTH
MAST ARM MOUNTED SIGNAL HEAD (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20'+L
BRACKET MOUNTED SIGNAL HEAD (MAST ARM POLE OR SIGNAL POLE)	13'
PEDESTRIAN SIGNAL HEAD	10'
PEDESTRIAN PUSH BUTTON	6'
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5'
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5'
SERVICE INSTALLATION GROUND MOUNT	6'
FOUNDATION (SIGNAL POST, MAST ARM, TRAFFIC SIGNAL CABINET, SERVICE CABINET)	3'

VERTICAL CABLE LENGTH

CABLE SLACK	LENGTH
HANDHOLE	6.5'
DOUBLE HANDHOLE	13'
SIGNAL POST	2'
MAST ARM	2'
TRAFFIC SIGNAL CABINET OR SERVICE CABINET	1.5'
FIBER OPTIC CABLE AT TRAFFIC SIGNAL CABINET	13'
GROUND CABLE AT SIGNAL POST, MAST ARM, OR CABINET	1.5'
GROUND CABLE AT HANDHOLE OR DOUBLE HANDHOLE	6.5'
GROUND CABLE BETWEEN HANDHOLE FRAME AND COVER	5'

CABLE SLACK LENGTH

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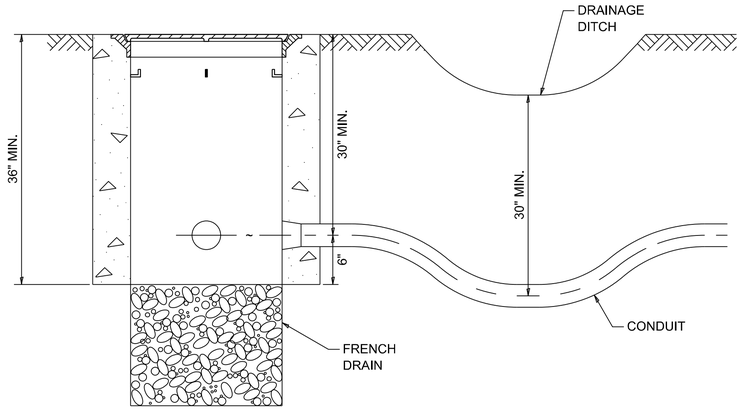
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

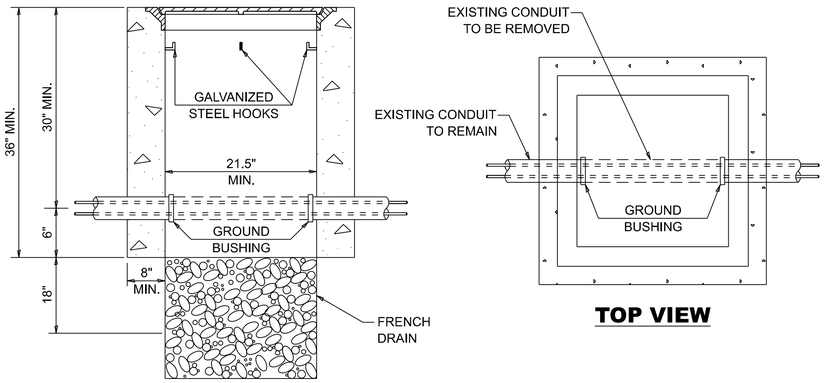
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	42
	TS-01	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" 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

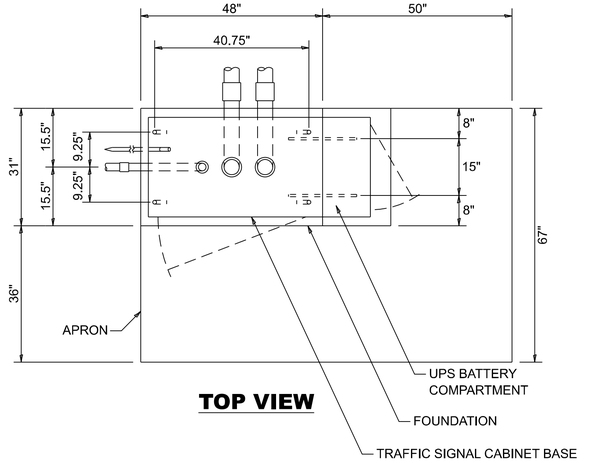


TOP VIEW

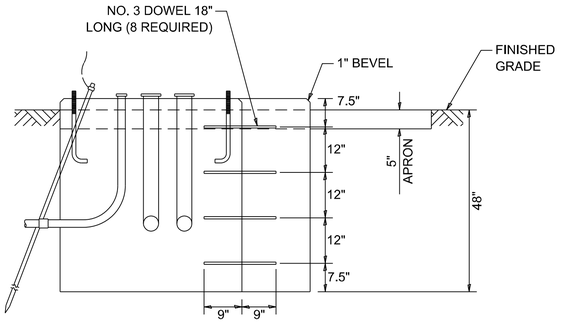
NOTES:

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.

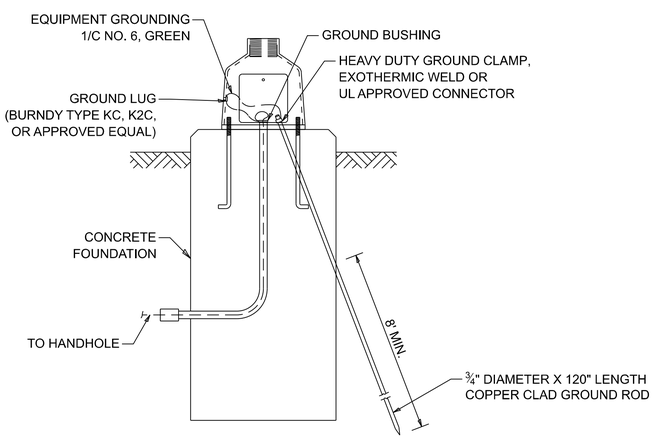
HANDHOLE TO INTERCEPT EXISTING CONDUIT



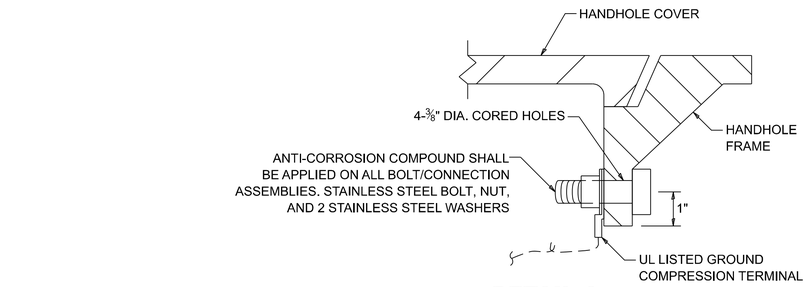
TOP VIEW



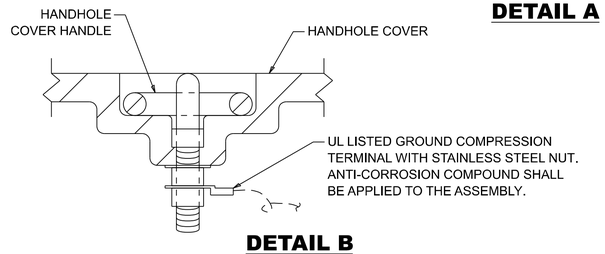
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



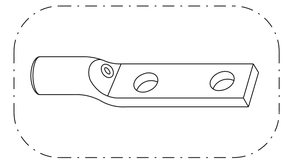
MAST ARM / POST GROUNDING DETAIL



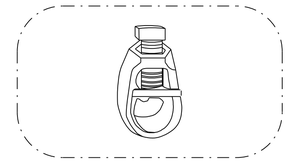
DETAIL A



DETAIL B



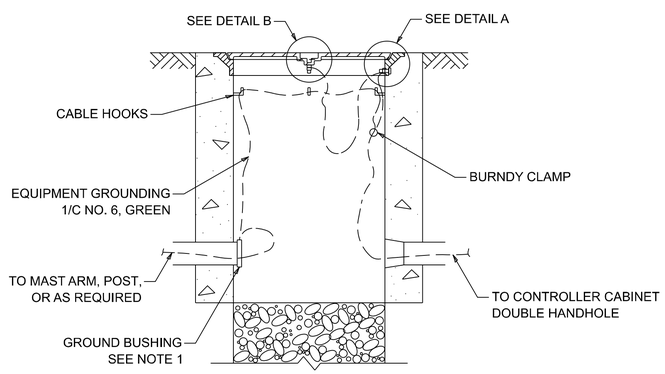
HEAVY-DUTY COMPRESSION TERMINAL
(BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" HEAVY-DUTY GROUND ROD CLAMP
BRONZE OR COPPER, UL APPROVED
(BURNDY TYPE GRC OR APPROVED EQUAL)

NOTES:

1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDED.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



HANDHOLE GROUNDING DETAIL

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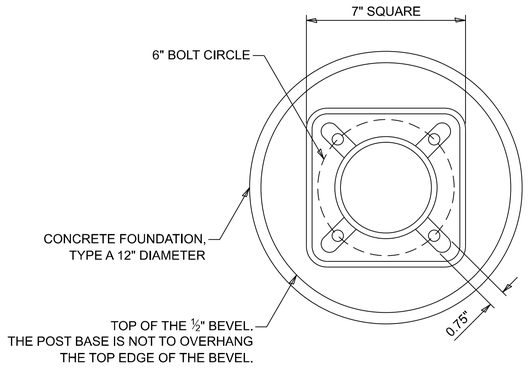
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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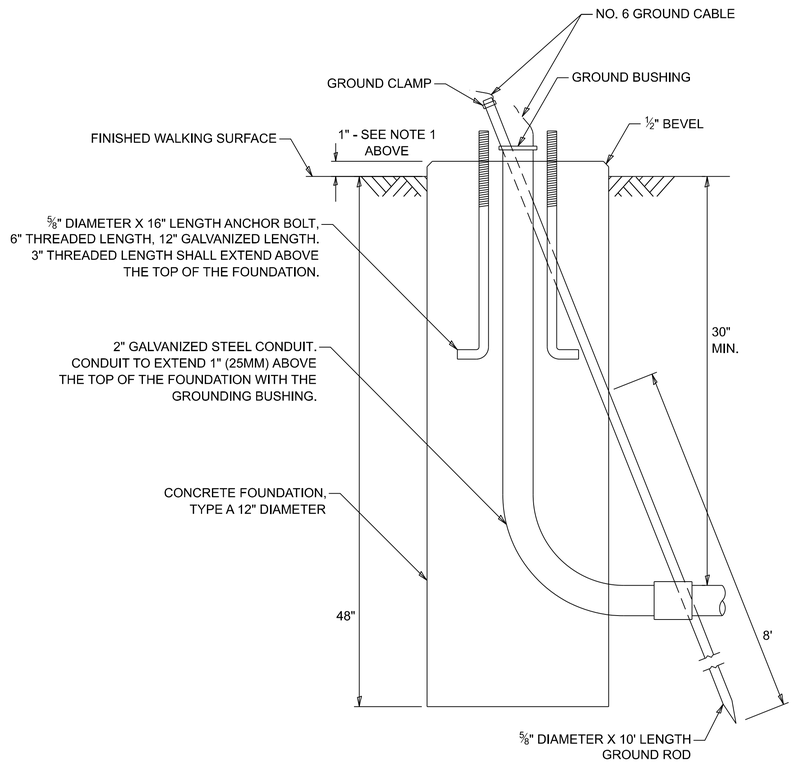
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	TS-01	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			



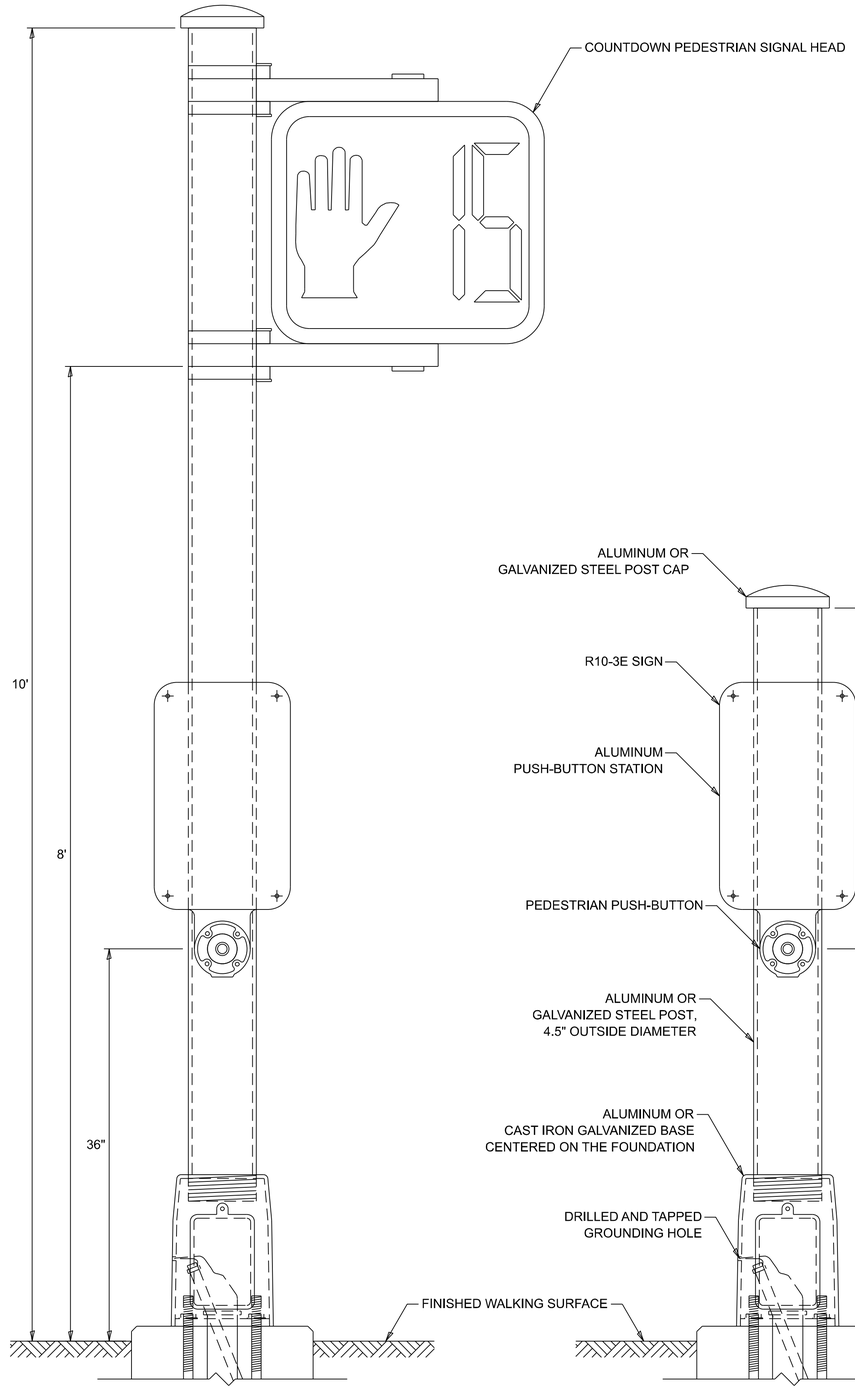
BOLT PATTERN

NOTES:

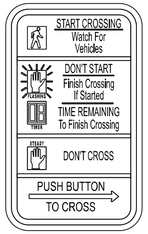
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN A SIDEWALK CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK CURB.



CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



R10-3E
9" X 15"



W10-I101
18" X 24"

SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3E IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-I101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

PEDESTRIAN SIGNAL POST, 5 FT.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

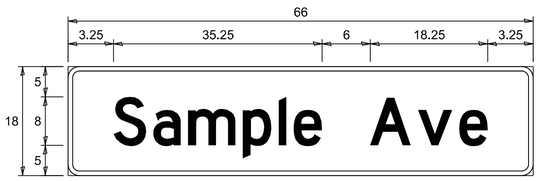
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

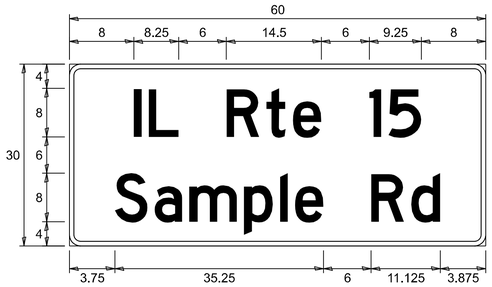
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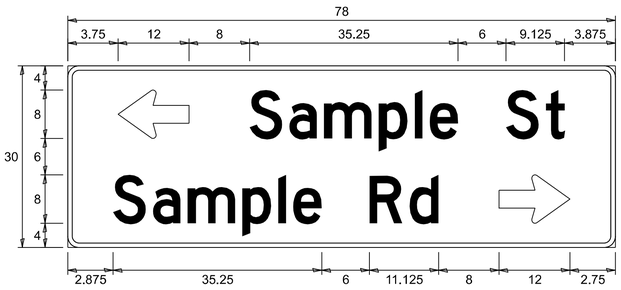
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2711	2025-2132-RS	LAKE	46	44
	TS-01	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

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 OR D	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS

NAME	ABBREVIATION	LENGTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15	18.25
BOULEVARD	Blvd	17.125	20
CIRCLE	Cir	11.125	13
COURT	Ct	8.25	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22
ILLINOIS	IL	7	8.25
LANE	Ln	9.125	10.75
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.75
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.5
STREET	St	8	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.75	9.125
UNITED STATES	US	10.375	12.25

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ONSTANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO 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.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. 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", BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. THE SPACING BETWEEN THE LEFT OR RIGHT ARROW AND THE ADJACENT WORD SHOULD BE 8", BUT MAY BE REDUCED TO 6" 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.
4. THE PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE THE SERIES "D" ALPHABET ON A ONE-LINE SIGN THAT IS 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 ONE-LINE 8'-0" SIGN, A 30" HEIGHT TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION (I.E. STREET, AVENUE, ETC.) SHALL BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENTS AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. 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

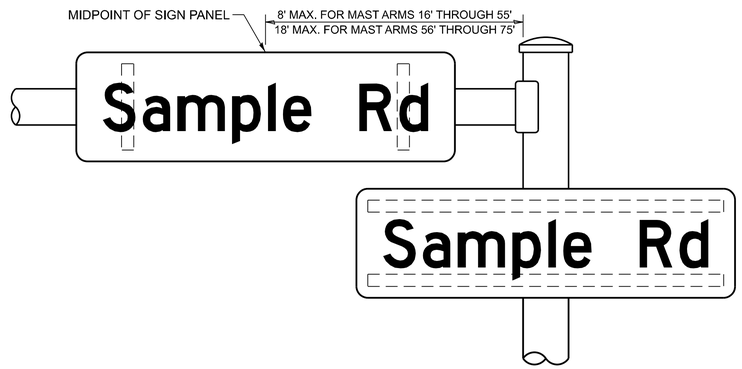
PARTS LISTING:

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

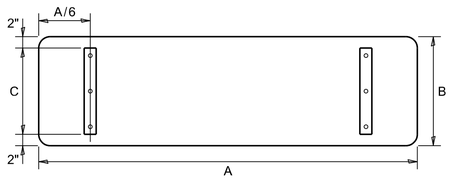
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATIONS

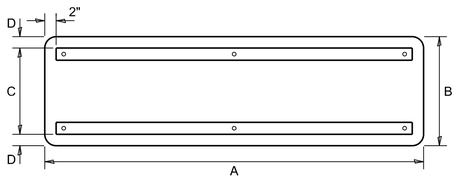
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
VAR.	18"	14"
VAR.	30"	26"



A	B	C	D
VAR.	18"	12"	3"
VAR.	30"	22"	4"

STANDARD ALPHABETS SPACING CHART

MEASUREMENTS BASED ON 8" UPPER CASE LETTER HEIGHT

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	4.962	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	4.002	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	3.362	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	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	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	4.962	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

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	CHECKED - NB/KK	REVISED -	
PLOT DATE = 8/14/2026	DATE - 10/15/2025	REVISED -	

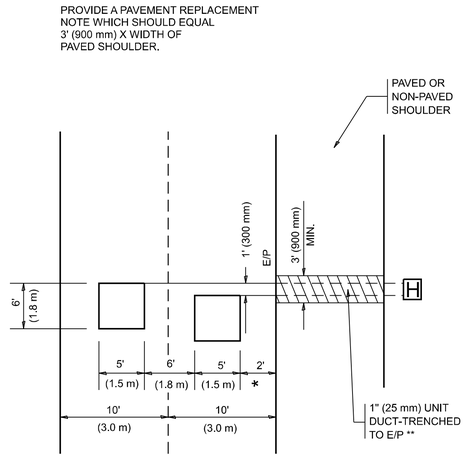
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	45
	TS-02	CONTRACT NO. 80C93		
	ILLINOIS FED. AID PROJECT			

LOOPS NEXT TO SHOULDERS



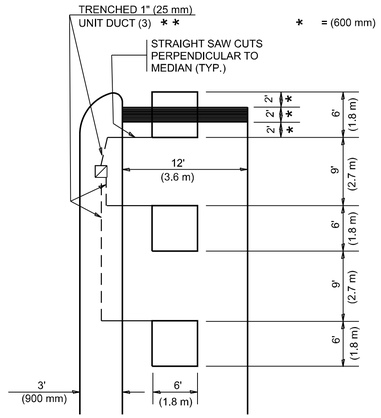
* = (600 mm)

* * 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.



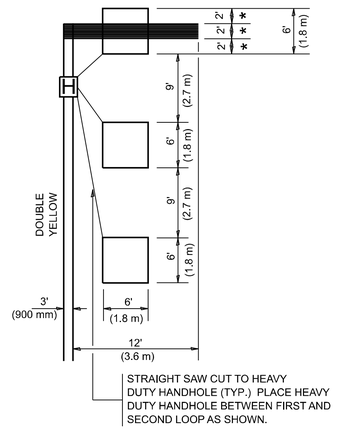
* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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.

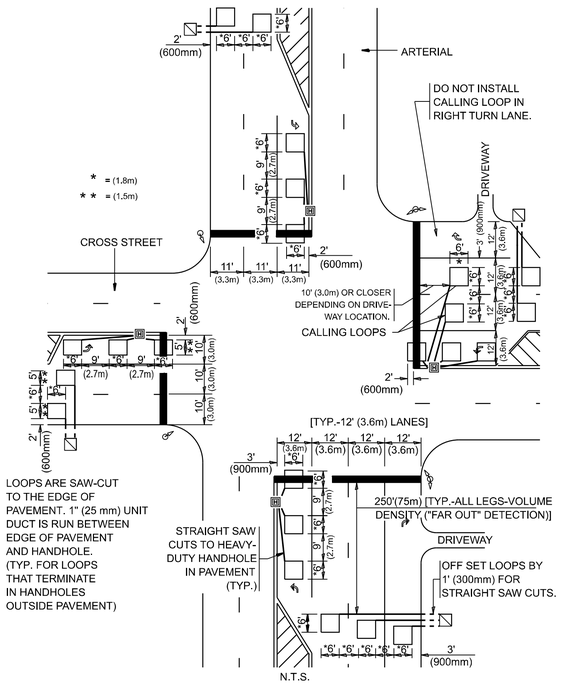
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

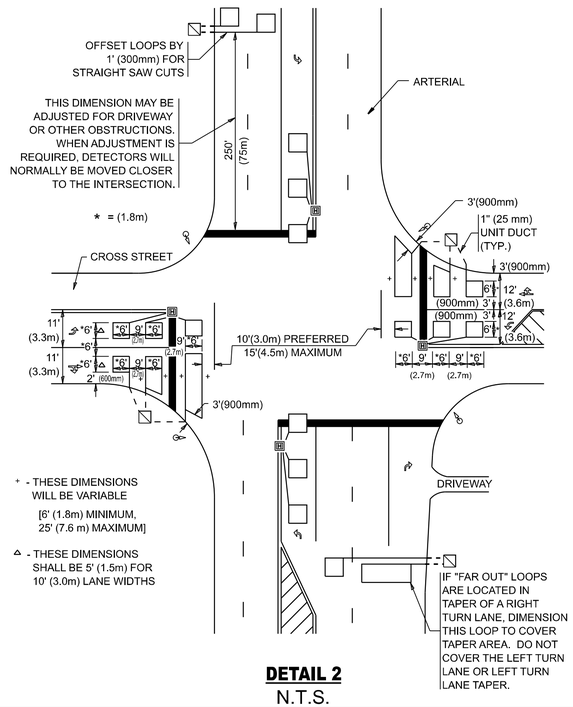
ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1

N.T.S.

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



DETAIL 2

N.T.S.

USER NAME = Aya.Elkhatib	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED - R.K.F.	REVISED -	
PLOT DATE = 8/14/2026	DATE -	REVISED -	

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2711	2025-2132-RS	LAKE	46	46
	TS-07	CONTRACT NO. 80C93		
		ILLINOIS FED. AID PROJECT		

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