06-13-2025 LETTING ITEM 207

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS*	SHEET NO.
360	2024-1017-RS	KANE	77	1
	ILLINOIS	CONTRACT NO. 62X59		

* 77 + 5 = 82 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

D-91-051-25

PROPOSED HIGHWAY PLANS

FAP ROUTE 360 [IL ROUTE 25 (DUNDEE AVENUE)] SOUTH OF I-90 (JANE ADDAMS TOLLWAY) TO PAGE AVENUE SECTION 2024-1017-RS

DESIGNED OVERLAY, ADA IMPROVEMENTS, TRAFFIC SIGNAL MODERNIZATION KANE COUNTY

C-91-070-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

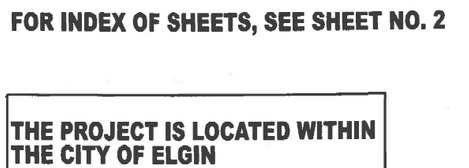
THE PROJECT IS LOCATED WITHIN THE CITY OF ELGIN

TRAFFIC DATA

2023 ADT - 8,900 TO 20,200 VPD

POSTED SPEED LIMIT - 30 TO 35 MPH

OTHER PRINCIPAL ARTERIAL

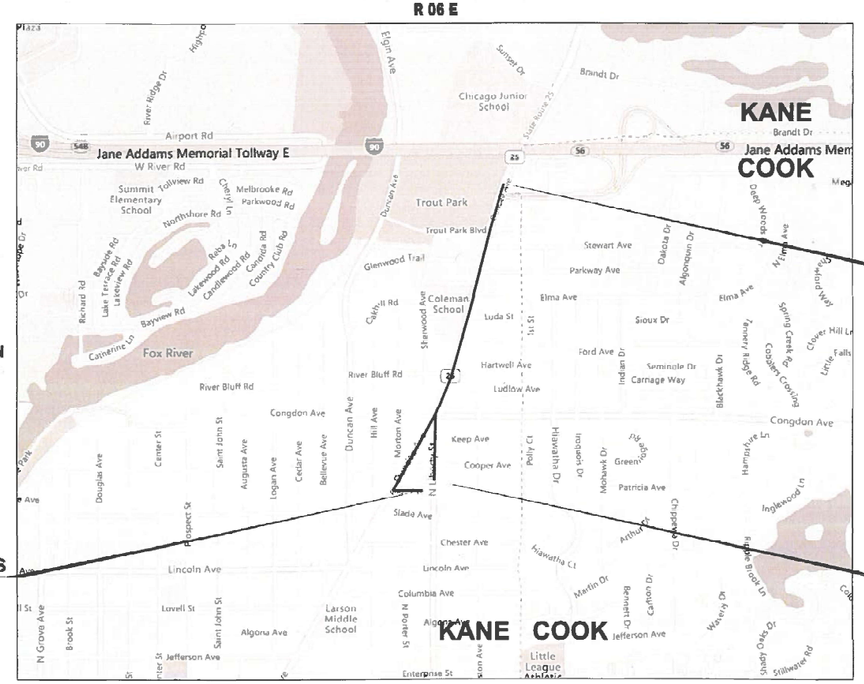


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

R 06 E

T 41 N



N

LOCATION MAP (NOT TO SCALE)

PROJECT ENDS
STA. 58+93

PROJECT BEGINS
STA. 16+60

PROJECT BEGINS
STA. 16+40

ELGIN TOWNSHIP

GROSS LENGTH = NET LENGTH = 5939.0 FT. = 1.12 MILES

LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 20th 2025

REGIONAL ENGINEER

May 9 2025

ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2025

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255
PROJECT MANAGER: VESELIN VELICHKOV

CONTRACT NO. 62X59

REV-SEP

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRSVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

1. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
3. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
4. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
5. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

GENERAL NOTES CONTINUED

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
8. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE RESIDENT ENGINEER.
9. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
10. THE RESIDENT ENGINEER SHALL CONTACT EMAD ALHUSSEINI, AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT EMAD.ALHUSSEINI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
11. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
12. THE CONTRACTOR SHALL 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 SHALL DELIVER THE RECORD TO THE ENGINEER.
13. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
14. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
15. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKINGS.
16. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
17. 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 SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
18. 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.
19. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITAION PROJECTS INVLOLVING 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.
20. MILLING, RESURFACING, AND PAVEMENT REPLACEMENT UNDER THE BRIDGE STRUCTURE MUST NOT CHANGE OR NEGATIVELY IMPACT THE MINIMUM VERTICAL CLEARANCE UNDER THE STRUCTURE.
21. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.
22. THE RESIDENT ENGINEER SHALL CONTACT THE CITY OF ELGIN TO LAYOUT EXISTING DETERIORATED SIDEWALKS TO BE REPLACED OUTSIDE OF THE PROPOSED PEDESTRIAN RAMP DESIGNS SHOWN IN THE PLANS.
23. THE RESIDENT ENGINEER SHALL CONTACT THE CITY OF ELGIN TO LAYOUT EXISTING DETERIORATED BRICK PAVERS TO BE REMOVED AND REINSTALLED TO GRADE OUTSIDE OF THE PROPOSED PEDESTRIAN RAMP AND CURB AND GUTTER REMOVAL AND REPLACEMENT RESTORATION.

SUMMARY OF QUANTITIES

Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 100% STATE 0005	URBAN SIGNAL 100% STATE 0021	URBAN SIGNAL PAGE AVE. 93.3% STATE 6.7% ELGIN 0021	URBAN ROADWAY 100% STATE 0005	URBAN EVP SIDEWALK 100% ELGIN 0021	URBAN INTER-CONNECT 100% STATE 07--
20200100	EARTH EXCAVATION	CU YD	255	255					
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	32	32					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1174	1174					
25200110	SODDING, SALT TOLERANT	SQ YD	1174	1174					
25200200	SUPPLEMENTAL WATERING	UNIT	17.6	17.6					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	11	11					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	128	128					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	112	112					
35600728	HOT-MIX ASPHALT BASE COURSE WIDENING, 13"	SQ YD	128	128					
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	287	287					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	21978	21978					
40600370	LONGITUDINAL JOINT SEALANT	FOOT	13739	13739					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	49	49					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	421	421					
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N90	TON	2273	2273					
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1536	1536					
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	13	13					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	3012	3012					
42001300	PROTECTIVE COAT	SQ YD	2356	2356					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	14235	14235					
42400800	DETECTABLE WARNINGS	SQ FT	684	684					

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES

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	44000100	PAVEMENT REMOVAL	SQ YD	209	209					
	44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	32474	32474					
	44000600	SIDEWALK REMOVAL	SQ FT	19165	14165				5000	
	44003100	MEDIAN REMOVAL	SQ FT	2524	2524					
	44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	2226	2226					
	44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	100	100					
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	500	500					
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	300	300					
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	250	250					
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5					
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2	2					
	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5					
	60255500	MANHOLES TO BE ADJUSTED	EACH	2	2					
	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	17	17					
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5					
	60406001	FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	EACH	1	1					
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	220	220					
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1442	1442					
	67100100	MOBILIZATION	L SUM	1	1					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	255	255					
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3					
*	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	16	16					
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
	70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1					

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 100% STATE 0005	URBAN SIGNAL 100% STATE 0021	URBAN SIGNAL PAGE AVE. 93.3% STATE 6.7% ELGIN 0021	URBAN ROADWAY 100% STATE 0005	URBAN EVP SIDEWALK 100% ELGIN 0021	URBAN INTER-CONNECT 100% STATE 07--
	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	23370	23370					
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	9747	9747					
	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	1548	1548					
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	27321	27321					
	70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2952	2952					
	70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1443	1443					
	70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	7161	7161					
	70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	1536	1536					
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	5843	5843					
*	72000100	SIGN PANEL - TYPE 1	SQ FT	25			25			
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	516	516					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9107	9107					
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	984	984					
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	481	481					
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2387	2387					
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	512	512					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	380	380					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	380	380					
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	7775	7775					
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4835		1340	96			3399

* = SPECIALTY ITEM

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*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	174		22	152			
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	347		155	192			
*	81400100	HANDHOLE	EACH	15		6	3			6
*	81400200	HEAVY-DUTY HANDHOLE	EACH	1		1				
*	81400300	DOUBLE HANDHOLE	EACH	1			1			
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4		3	1			
*										
*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4870						4870
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2994		2415	579			
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3550		1853	578		1119	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2274		1301	801			
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	200		200				
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4083		3780	303			
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	87			87			
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1355		897	458			
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		1	3			
*	87700110	STEEL MAST ARM ASSEMBLY AND POLE, 14 FT.	EACH	1			1			
*	87700120	STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1			1			
*	87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1			1			
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		4	16			
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4			

* = SPECIALTY ITEM

MODEL: SOQ-2 [Sheet]
FILE NAME: c:\pw_work\pw/dot/nicholas.babul@illinois.gov/d1052107D105125-sht-SOQ.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/4/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 25 (DUNDEE AVE.) [S/O I-90 TO PAGE AVE.]

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	4
		CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		

REV-SEP

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 100% STATE 0005	URBAN SIGNAL 100% STATE 0021	URBAN SIGNAL PAGE AVE. 93.3% STATE 6.7% ELGIN 0021	URBAN ROADWAY 100% STATE 0005	URBAN EVP SIDEWALK 100% ELGIN 0021	URBAN INTER-CONNECT 100% STATE 07--
*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30			30			
*	87900200	DRILL EXISTING HANDHOLE	EACH	13		11				2
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6			6			
*	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7		2	5			
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10		4	6			
*	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6			6			
	88500100	INDUCTIVE LOOP DETECTOR	EACH	12		9	3			
*	88600100	DETECTOR LOOP, TYPE I	FOOT	1017		695	322			
*	88700200	LIGHT DETECTOR	EACH	6					6	
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	3					3	
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1			
*	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	4		4				
*	89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	3		3				
*	89502200	MODIFY EXISTING CONTROLLER	EACH	2		2				
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		2	1			
*	89502380	REMOVE EXISTING HANDHOLE	EACH	6		3	3			
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	10		4	6			
	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1					
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	1183					1183	
	X0325922	CELLULAR MODEM	EACH	1						1
	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	1180	180				1000	
	X0328020	CENTRACS LICENSE EXANSION	EACH	4						4
*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1			
	X1400216	LAYER II (DATALINK) SWITCH	EACH	4						4
*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4		1	3			
*	X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3		3				

* = SPECIALTY ITEM

SUMMARY OF QUANTITIES

	Code No.	Item	Unit	Total Quantity	TYPE CODE: URBAN ROADWAY 100% STATE 0005	URBAN SIGNAL 100% STATE 0021	URBAN SIGNAL PAGE AVE. 93.3% STATE 6.7% ELGIN 0021	URBAN ROADWAY 100% STATE 0005	URBAN EVP SIDEWALK 100% ELGIN 0021	URBAN INTER-CONNECT 100% STATE 07--
	X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	375	375					
	X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	200	200					
	X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	3063	3063					
	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	300				300		
	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	66	66					
	X6700407	ENGINEER'S FIELD OFFICE, TYPEA (D1)	CAL MO	12	12					
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	366.8	366.8					
*	X8100863	INTERCEPT EXISTING CONDUIT	EACH	1		1				
*	X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	2		1	1			
*	X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1			1			
	X8710013	FIBER OPTIC CABLE IN CONDUIT, 12 FIBERS, SINGLE MODE	FOOT	4870						4870
*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	22		16	6			
*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	40		28	12			
*	X8809005	LED SIGNAL FACE, LENS COVER	EACH	13		2	11			
*	X8950508	REMOVE CABLE FROM CONDUIT	FOOT	18		18				
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	50				50		
	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1				
*	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1				
*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		1	1			
	60257900	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1					
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2					
	X1400217	TERMINATE FIBER IN CABINET	EACH	40						40
	X8710070	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	4						4
	X8710317	SPLICE FIBER IN CABINET	EACH	16						16

* = SPECIALTY ITEM

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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/5/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 25 (DUNDEE AVE.) [S/O I-90 TO PAGE AVE.]

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

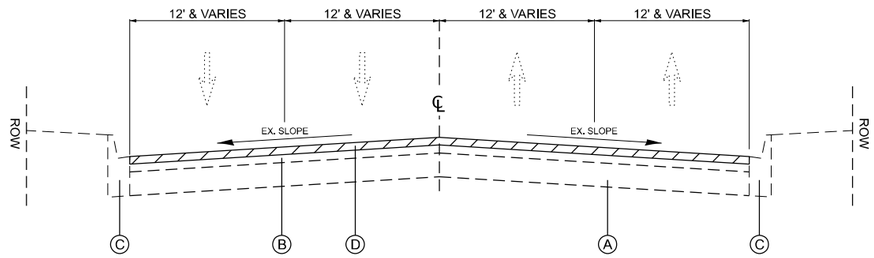
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	5

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT

REV-SEP

IL 25 (DUNDEE AVENUE)

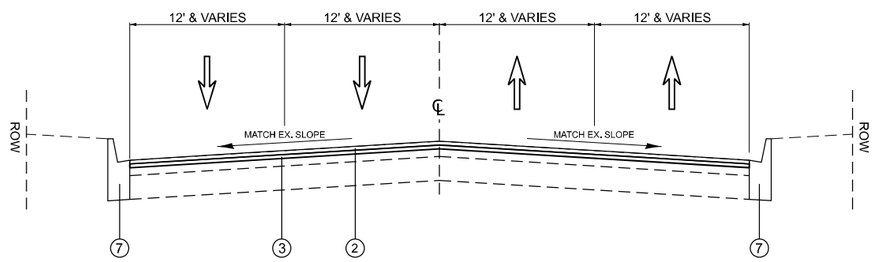


EXISTING TYPICAL SECTION

STA. 27+14 TO STA. 58+93

NOTE: PCC CORRUGATED MEDIAN STA 27+14 TO STA 29+00 TO BE PARTIAL DEPTH REMOVED TO ADJACENT SURFACE REMOVAL AND REPLACED WITH HMA

IL 25 (DUNDEE AVENUE)



PRPOSED TYPICAL SECTION

STA. 27+14 TO STA. 58+93

NOTE: PCC CORRUGATED MEDIAN STA 27+14 TO STA 29+00 TO BE PARTIAL DEPTH REMOVED TO ADJACENT SURFACE REMOVAL AND REPLACED WITH HMA

LEGEND - EXISTING

- (A) CONCRETE PAVEMENT ±10"
- (B) HOT MIX ASPHALT SURFACE BEFORE MILLING, ±6"
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (D) HOT MIX ASPHALT SURFACE REMOVAL 3-3/4"
- (E) FULL CONCRETE MEDIAN REMOVAL
- (F) EARTH EXCAVATION TO PROPOSED REPLACEMENT DEPTHS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER

LEGEND - PROPOSED

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-3/4"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
- (6) AGGREGATE SUBBASE IMPROVEMENT, 12"
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-1/2" & 1-3/4"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"	4% @ 70 GYR.	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"	4% @ 90 GYR.	QC/QA
IL 25 P.C.C. MEDIAN REMOVAL		
HMA BASE COURSE WIDENING (HMA BINDER IL-19.0), 13"	4% @ 90 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR.	QC/QA
DRIVEWAY RESTORATION		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 2"	4% @ 50 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19.0), 8"	4% @ 50 GYR.	QC/QA
TEMPORARY RAMP (SPECIAL)		
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 (VARIABLE)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

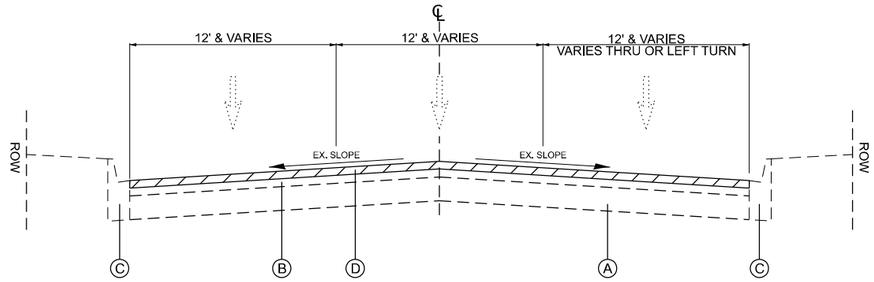
NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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

NOTE 3: THE CONTRACTOR SHALL MILL FIRST THEN PATCH.

NOTE 4: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HMA BINDER COURSE.

IL 25 (DUNDEE AVENUE / LIBERTY STREET)

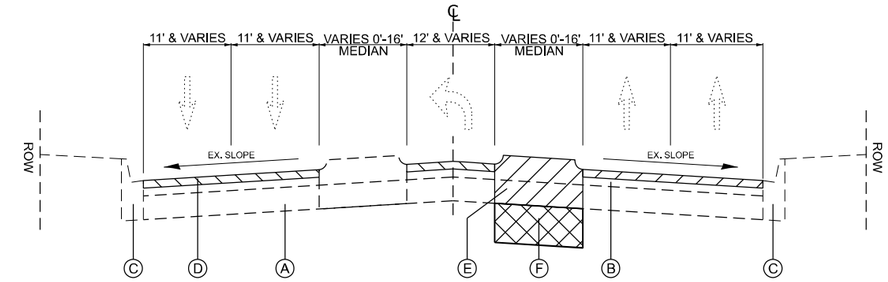


EXISTING TYPICAL SECTION

STA. 16+40 TO STA. 24+00 (NB)

STA. 16+60 TO STA. 31+50 (SB)

IL 25 (DUNDEE AVENUE / LIBERTY STREET)

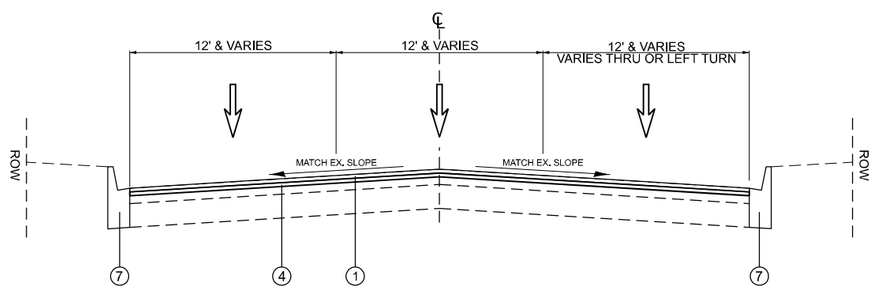


EXISTING TYPICAL SECTION

STA. 24+00 TO STA. 27+14

NOTE: PCC RAISED MEDIAN STA 24+00 TO STA 25+30
TO BE REMOVED AND REPLACED WITH HMA

IL 25 (DUNDEE AVENUE / LIBERTY STREET)

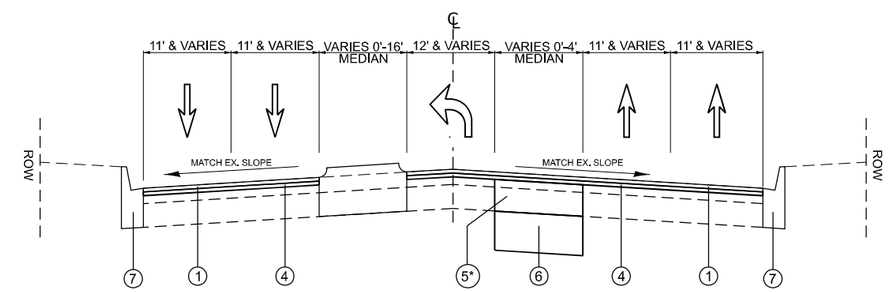


PRPOSED TYPICAL SECTION

STA. 16+40 TO STA. 24+00 (NB)

STA. 16+60 TO STA. 31+50 (SB)

IL 25 (DUNDEE AVENUE / LIBERTY STREET)



PRPOSED TYPICAL SECTION

STA. 24+00 TO STA. 27+14

NOTE: PCC RAISED MEDIAN STA 24+00 TO STA 25+30
TO BE REMOVED AND REPLACED WITH HMA

*THE HMA BASE COURSE WIDENING 13" SHALL BE PLACED
TO MATCH EXISTING PAVEMENT ELEVATION AND SHALL BE
MILLED DURING HMA SURFACE REMOVAL 3-3/4" OPERATION

LEGEND - EXISTING

- (A) CONCRETE PAVEMENT ±10"
- (B) HOT MIX ASPHALT SURFACE BEFORE MILLING, ±6"
- (C) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (D) HOT MIX ASPHALT SURFACE REMOVAL 3-3/4"
- (E) FULL CONCRETE MEDIAN REMOVAL
- (F) EARTH EXCAVATION TO PROPOSED REPLACEMENT DEPTHS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER

LEGEND - PROPOSED

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1-3/4"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 2"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"
- (5) HOT-MIX ASPHALT BASE COURSE WIDENING, 13"
- (6) AGGREGATE SUBBASE IMPROVEMENT, 12"
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

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	CHECKED -	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL ROUTE 25 (DUNDEE AVENUE)

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

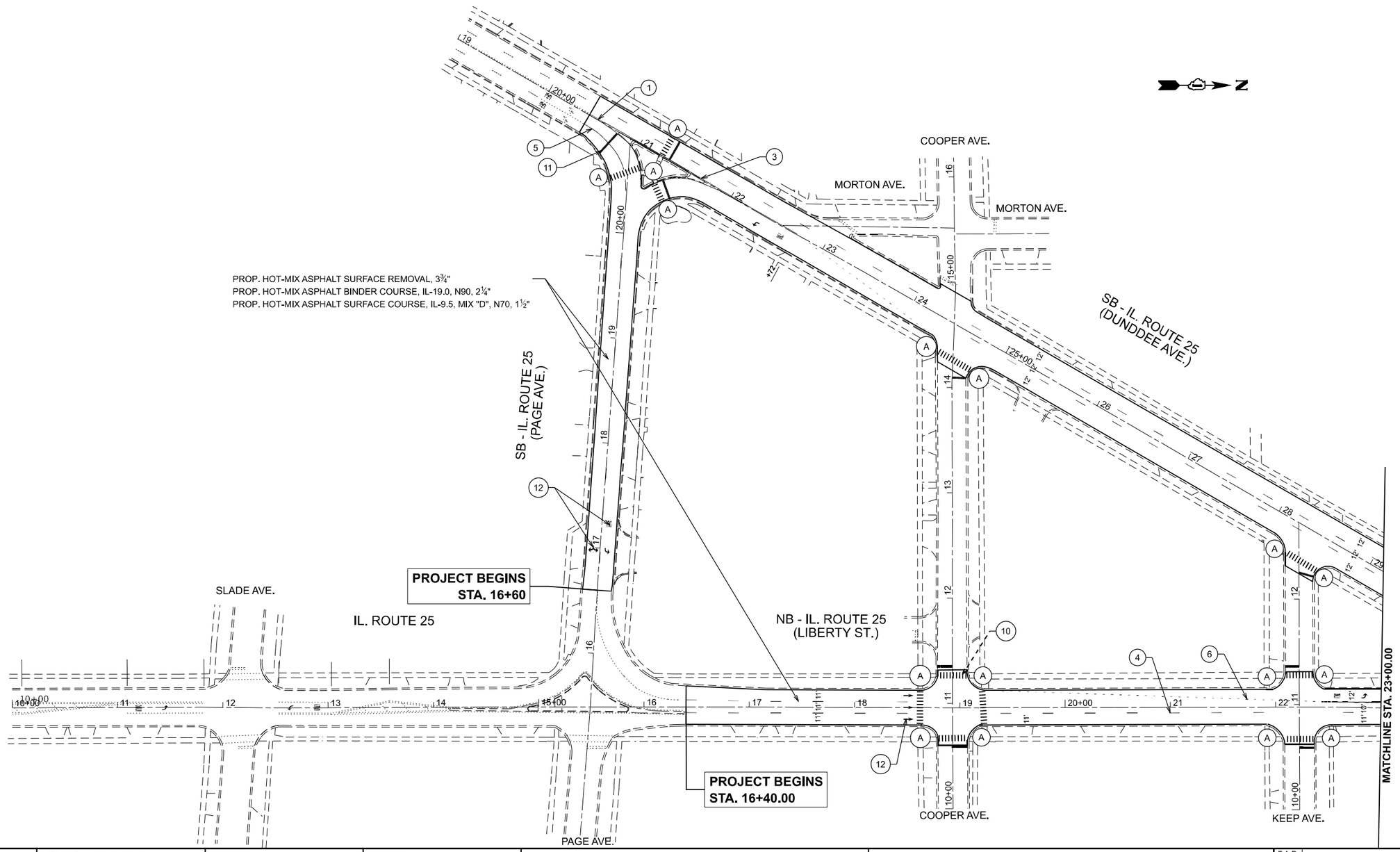
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	7
		CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		

THERMOPLASTIC PAVEMENT MARKING LEGEND

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

ROADWAY LEGEND

A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
B. PROPOSED MEDIAN & PEDESTRIAN RAMP IMPROVEMENT, SEE MEDIAN & ADA DETAILS



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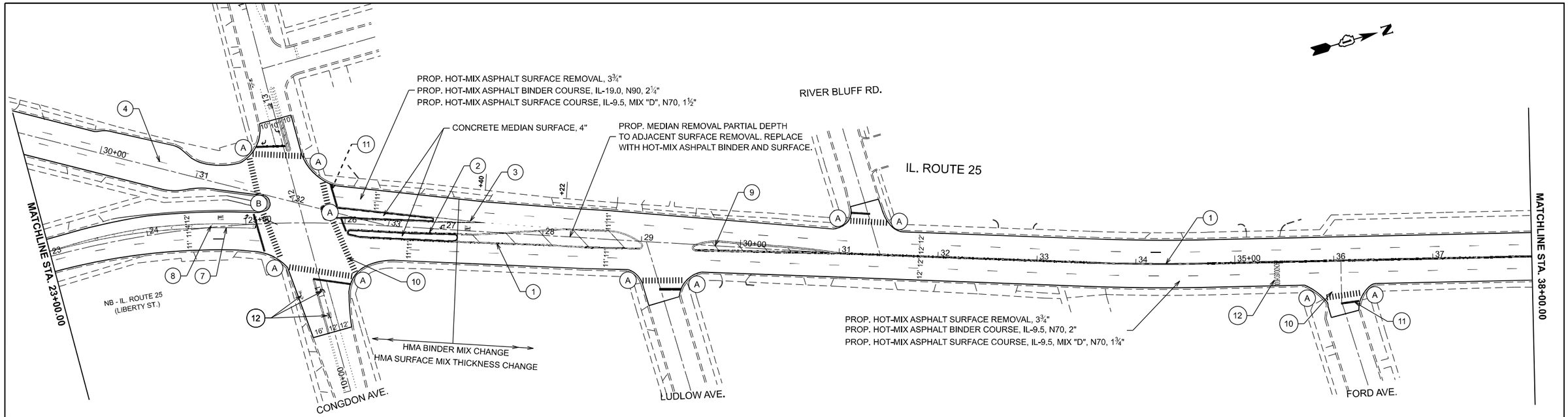
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/21/2025	DATE -	REVISED -	

ROADWAY PLAN
IL. ROUTE 25 (DUNDEE AVE.) (S. OF I-90 TO PAGE AVE.)

SCALE: 1"=50' | SHEET 1 OF 3 SHEETS | STA. 10+00.00 TO STA. 23+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	8
		CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		

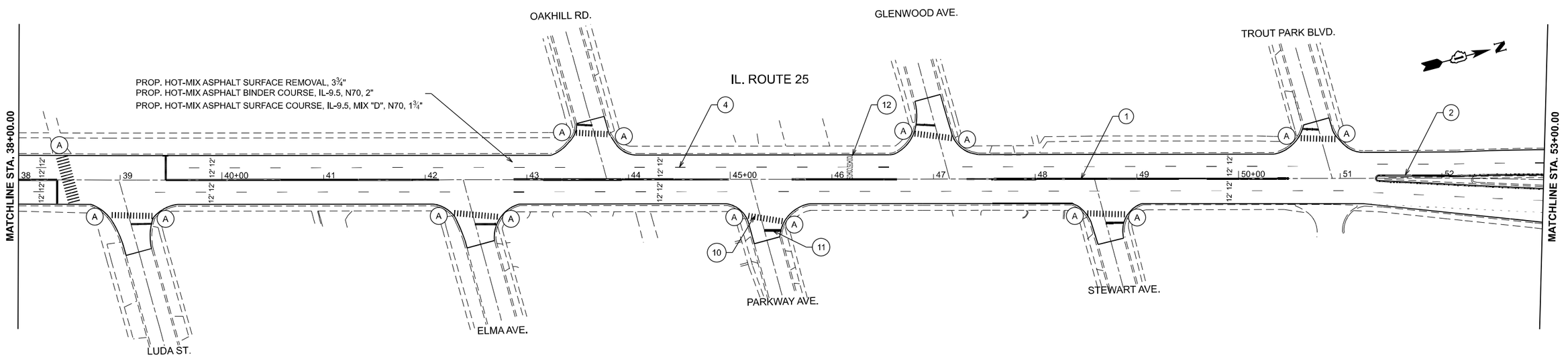


THERMOPLASTIC PAVEMENT MARKING LEGEND

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

ROADWAY LEGEND

A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
B. PROPOSED MEDIAN & PEDESTRIAN RAMP IMPROVEMENT, SEE MEDIAN & ADA DETAILS



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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 4/28/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

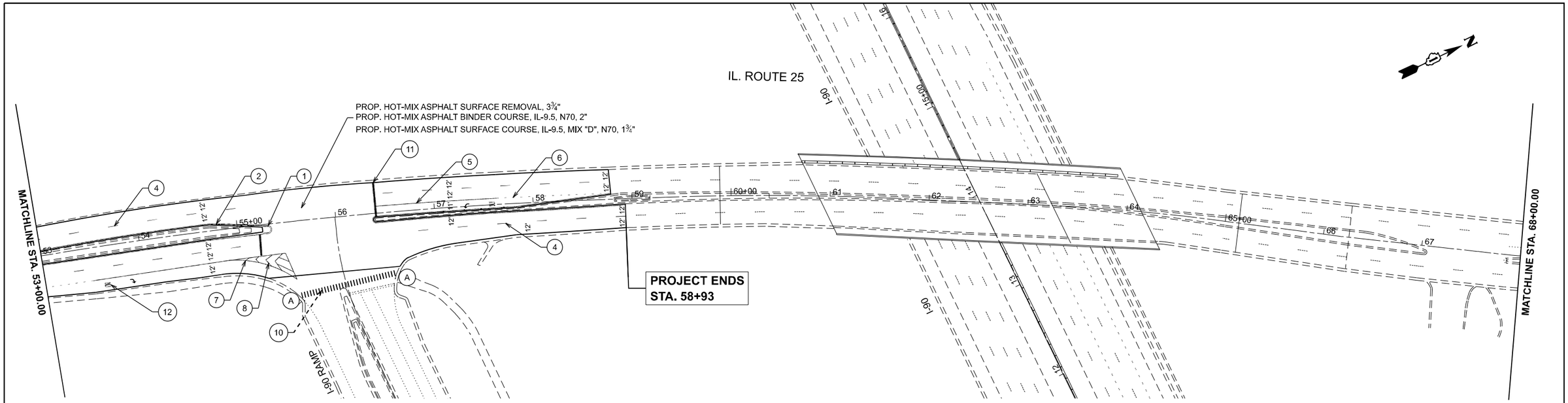
ROADWAY PLAN
IL. ROUTE 25 (DUNDEE AVE.) (S. OF I-90 TO PAGE AVE.)

SCALE: 1"=50' | SHEET 2 OF 3 SHEETS | STA. 23+00.00 TO STA. 53+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	9

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



THERMOPLASTIC PAVEMENT MARKING LEGEND

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

ROADWAY LEGEND

A. PROPOSED PEDESTRIAN RAMP IMPROVEMENT, SEE ADA DETAILS
B. PROPOSED MEDIAN & PEDESTRIAN RAMP IMPROVEMENT, SEE MEDIAN & ADA DETAILS

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PLOT DATE = 3/18/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

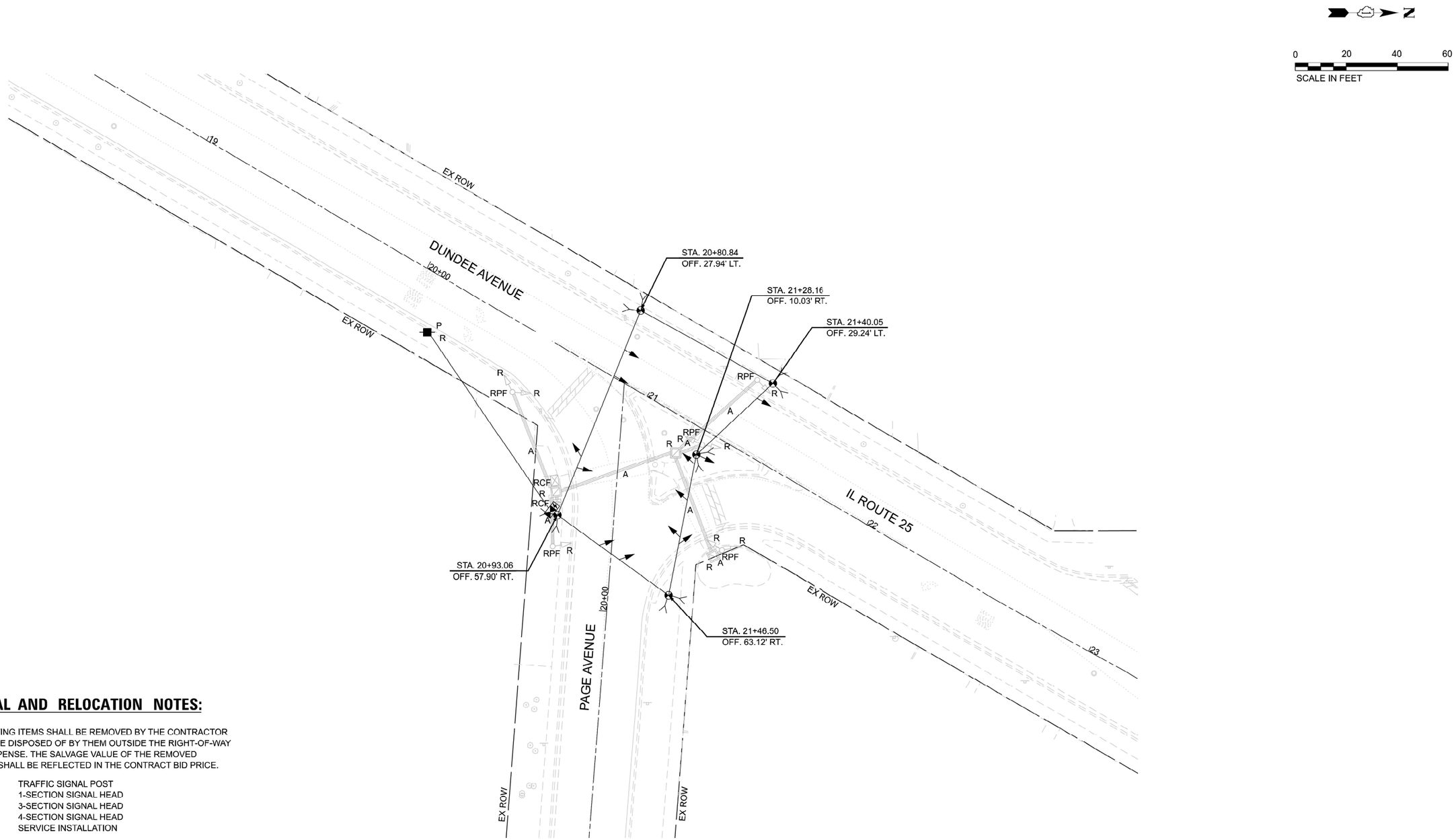
ROADWAY PLAN
IL. ROUTE 25 (DUNDEE AVE.) (S. OF I-90 TO PAGE AVE.)

SCALE: 1"=50' | SHEET 3 OF 3 SHEETS | STA. 53+00.00 TO STA. 83+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	10

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



REMOVAL AND RELOCATION NOTES:

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

5	EACH	TRAFFIC SIGNAL POST
1	EACH	1-SECTION SIGNAL HEAD
6	EACH	3-SECTION SIGNAL HEAD
1	EACH	4-SECTION SIGNAL HEAD
1	EACH	SERVICE INSTALLATION

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY

1	EACH	CONTROLLER AND CABINET (COMPLETE)

TS 13275

IDOT CENTRACS

PLOT DRIVER: CPDTORIL5
PENTABLE: SPENTBL5
PLOT DATE: 4/22/2025
PLOT TIME: $TIME$
PLOT COMMAND: $$$$NAME$
MODEL NAME: '-Xref-Bit
FILE NAME: pw://p-c-pw.bentley.com:pc-sw-01/Documents/Projects/24-0003-IDOT 211 Item 3 Various Phase II/004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sh-TS-Page Temporary.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED -	MGT, BJD	REVISED -		
	DRAWN -	MGT, BJD	REVISED -		
PLOT SCALE = 40.000 ' / in.	CHECKED -	CMP, ASH	REVISED -		
PLOT DATE = 4/22/2025	DATE -	4/1/2025	REVISED -		

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $$SHEETSIZE$

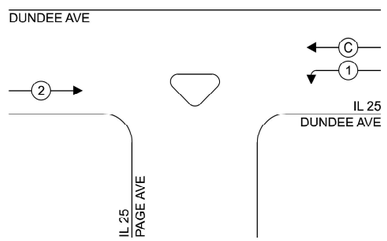
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
IL ROUTE 25 AT PAGE AVENUE

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

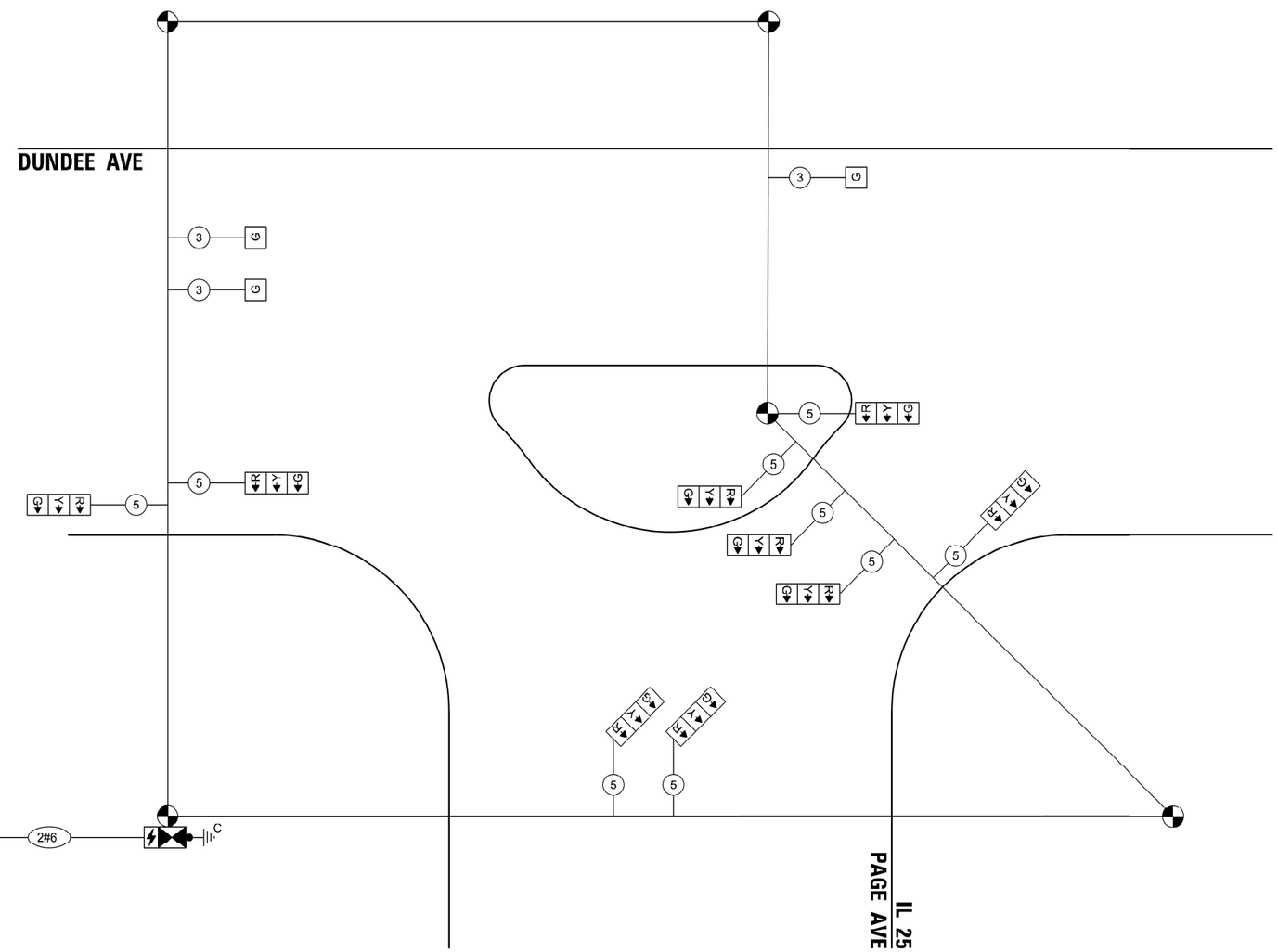
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	11
		CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		

PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP
- CONTINUOUS PHASE



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	12	11	132
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	-	15	-
CONTROLLER	1	150	150
MASTER CONTROLLER	-	100	-
UPS	1	25	25
DETECTION RADAR OR VIDEO	-	20	-
BLANK-OUT SIGN	-	25	-
NETWORK SWITCH II OR III	-	35	-
CELLULAR MODEM	-	15	-
TOTAL UPS SIZING			307
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			912

ENERGY COSTS TO:
CITY OF ELGIN
150 Dexter Court
Elgin, IL 60120

ENERGY SUPPLY:
CONTACT: ---
PHONE: ---
COMPANY: COMED
ACCOUNT NUMBER: #46305-42222
METER NUMBER: ---

TS 13275
IDOT CENTRACS

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM
IL ROUTE 25 AT PAGE AVENUE

SCALE: N.T.S. | SHEET 2 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	12

CONTRACT NO. 62X59
ILLINOIS | FED. AID PROJECT

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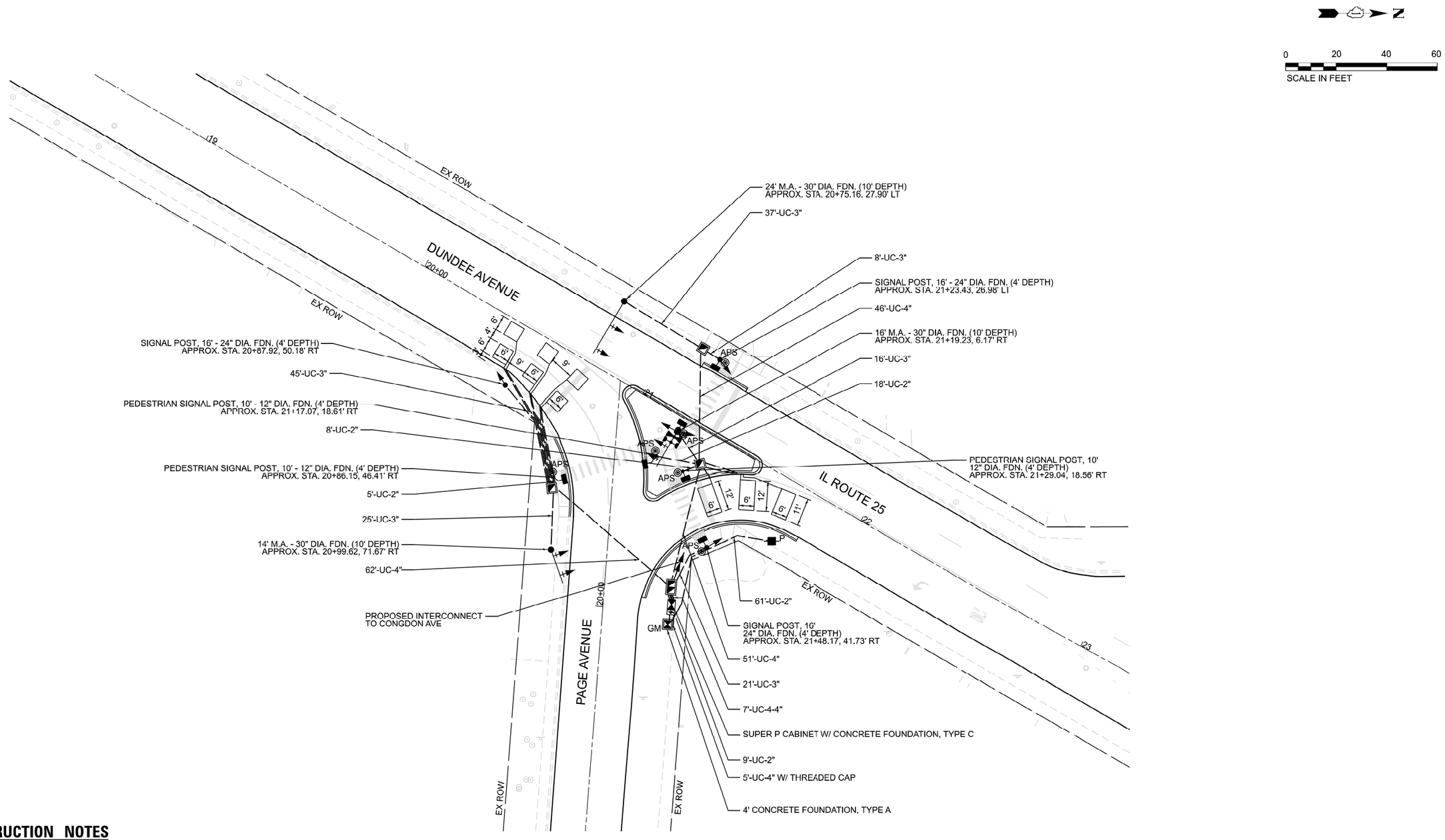


CONSTRUCTION NOTES

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

TS 13275
IDOT CENTRACS

PLOT DRIVER: SPNTDRV15
PENTABLE: SPENTBL.S
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOT USER: brandon.dengel
MODEL NAME: 3d-plan
ILL NAME: pw://p-c-pw.bentley.com:p-c-pw02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004-IL 25 (190 to Page Ave)/90_Design/CAD/P-C/Sheets/0105125-sht-TS-Page Proposed.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $SHEETSIZE$

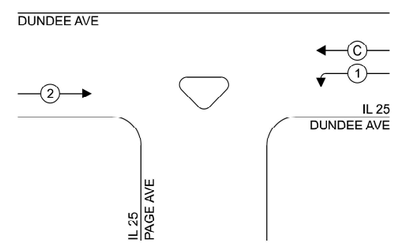
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODERNIZATION PLAN
IL ROUTE 25 AT PAGE AVENUE

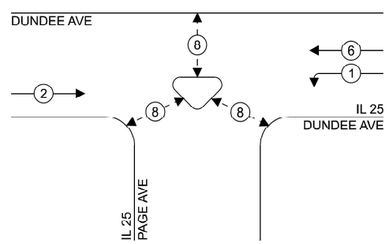
SCALE: 1" = 20' | SHEET 3 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	13
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

EXISTING CONTROLLER SEQUENCE



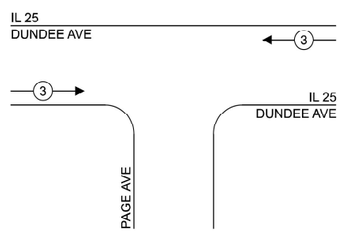
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP
- CONTINUOUS PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

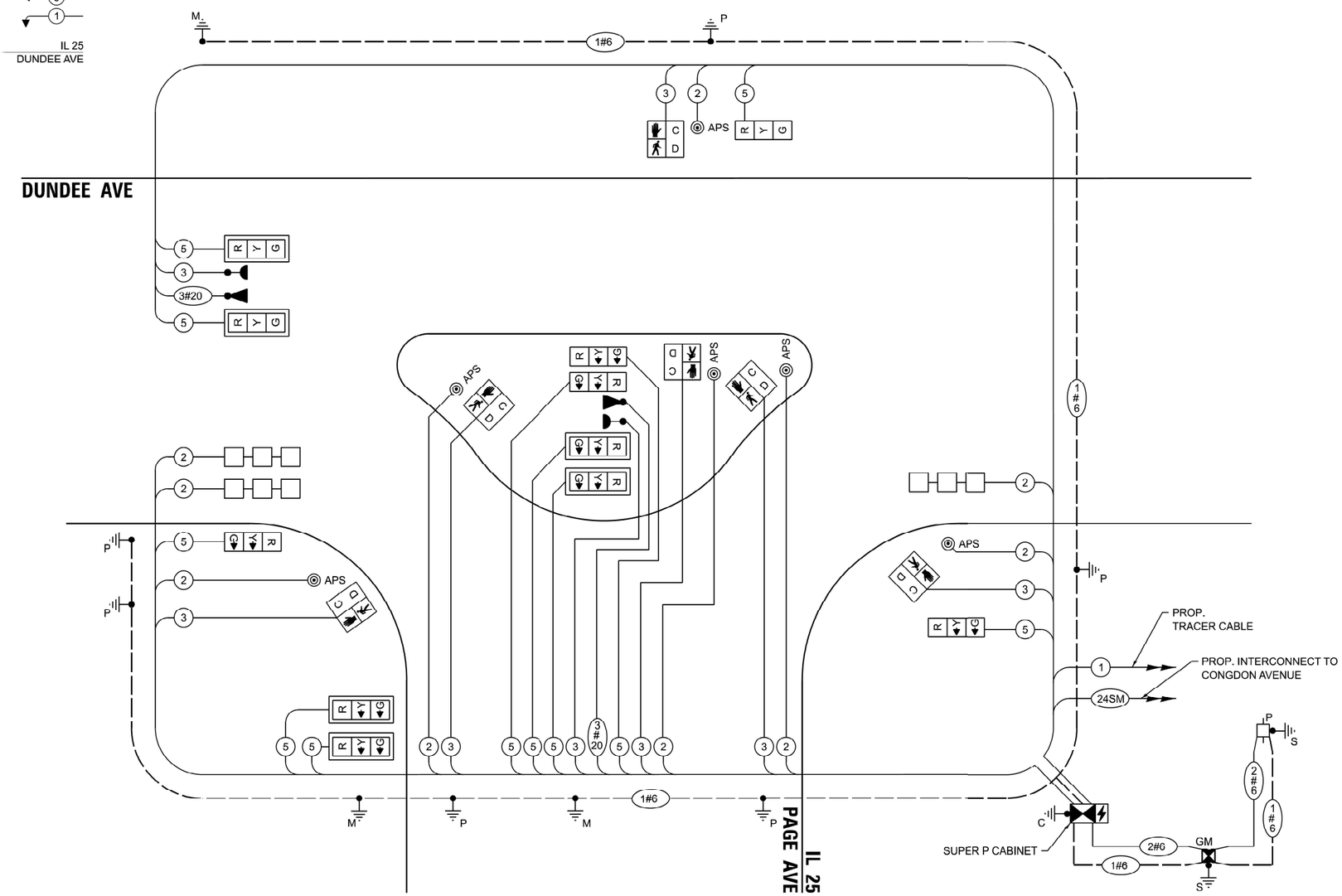


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE	QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD 1 OR 3-SECTION	11	11	121
4-SECTION	-	14	-
5-SECTION	-	13	-
PROGRAMMABLE 3-SECTION	-	22	-
4-SECTION	-	32	-
5-SECTION	-	28	-
PEDESTRIAN SIGNAL	6	15	90
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			420
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			1,025

ENERGY COSTS TO:
CITY OF ELGIN
150 Dexter Court
Elgin, IL 60120

ENERGY SUPPLY:
CONTACT: ---
PHONE: ---
COMPANY: COMED
ACCOUNT NUMBER: #46305-42222
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

NOTES:

ALL RED INDICATIONS SHALL HAVE A LENS COVER.

TS 13275
IDOT CENTRACS

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 25 AT PAGE AVENUE

SCALE: N.T.S. | SHEET 4 OF 20 SHEETS | STA. | TO STA.

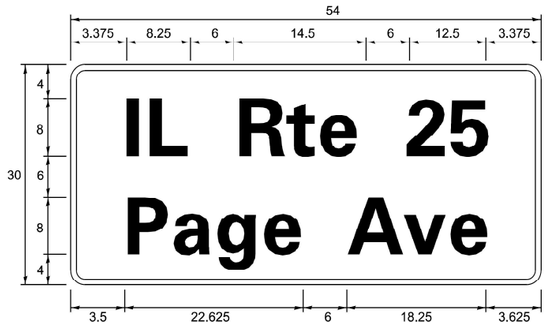
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	14
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

PLOT DRIVER: SYNTORVILS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOT TIME: 3:09:04 PM
MODEL NAME: Default
FILE NAME: pw://pc-pw.bentley.com:pc-cow-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004- IL 25 (I-90 to Page Ave)/SO_Design/CAD/P-C/Sheets/0105125-sht-15-Page Proposed Cable Plan
PLOT TIME: STIMES

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $SHEETSIZE$

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	12.5	1	ZZ	2

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	SIGN PANEL - TYPE 1	SQ FT	25
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	96
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	152
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	192
	HANDHOLE	EACH	3
	DOUBLE HANDHOLE	EACH	1
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	579
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	708
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1473
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	303
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	87
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	458
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
	STEEL MAST ARM ASSEMBLY AND POLE, 14 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 16 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	16
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	6
	INDUCTIVE LOOP DETECTOR	EACH	3
	DETECTOR LOOP, TYPE I	FOOT	322
*	LIGHT DETECTOR	EACH	1
*	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	3
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
*	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	130
	SERVICE INSTALLATION - GROUND MOUNTED, METERED	EACH	1
	TERMINATE FIBER IN CABINET	EACH	12
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	3
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6
	FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	12
	LED SIGNAL FACE, LENS COVER	EACH	11
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE CITY OF ELGIN

TS 13275

IDOT CENTRACS

PLOT DRIVER: SINTORN15
PENTABLE: SPENTBL5
PLOT DATE: 4/22/2025
PLOT TIME: 3:09 PM
PLOT TIVE: STIMES
PLOT STYLE: USERNAME15
MODEL NAME: Default
FILE NAME: pw://pw-pw.bentley.com:pw-02/Documents/Project/24-0003 - IDOT 211 Item 2 Various Phase I/004 - IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-TS-Page $001

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 2.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

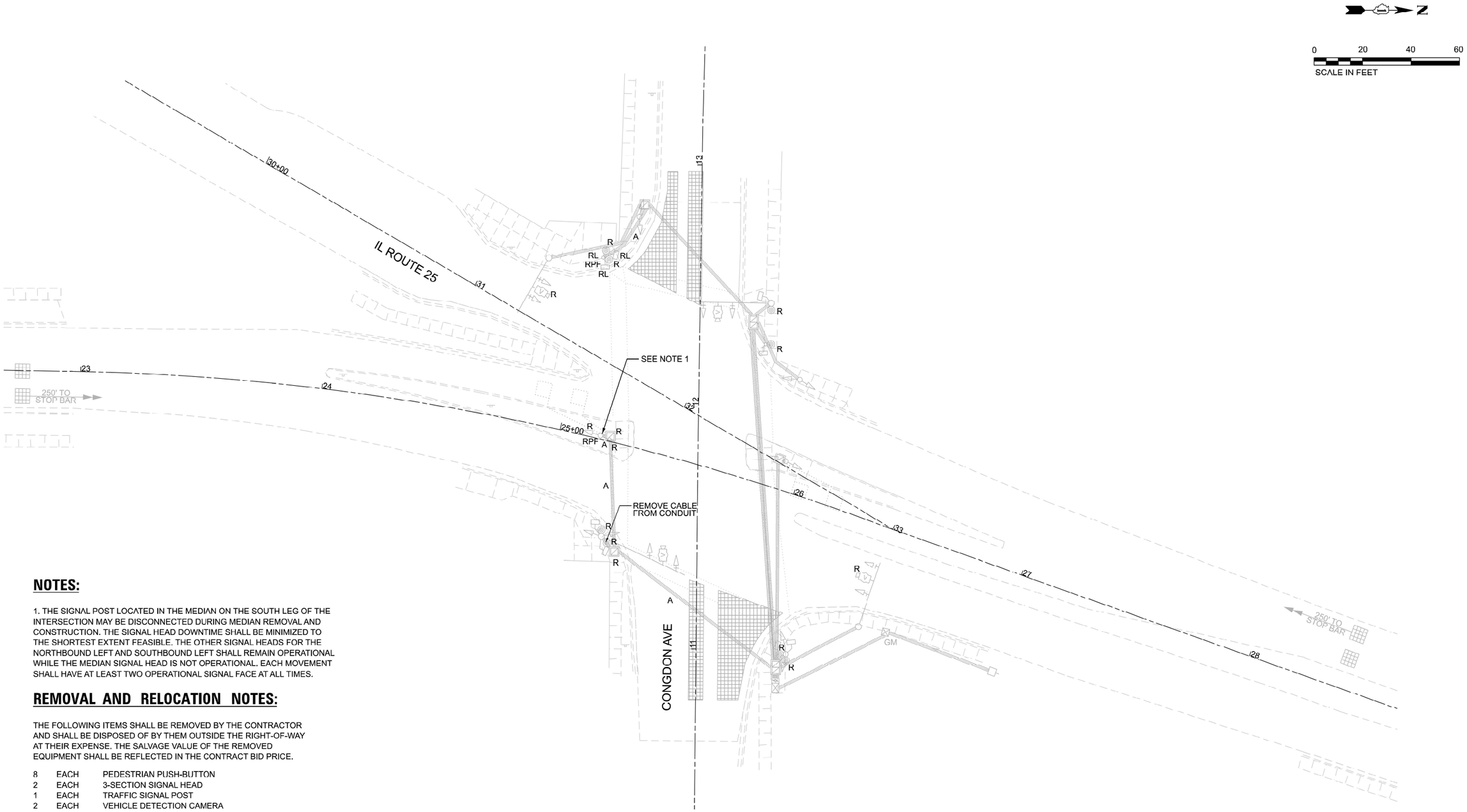
PLOT SCALE: 2.000 ' / in. PAGE SIZE: $SHEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGN AND SCHEDULE OF QUANTITIES
IL ROUTE 25 AT PAGE AVENUE

SCALE: N.T.S. | SHEET 5 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	15
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. THE SIGNAL POST LOCATED IN THE MEDIAN ON THE SOUTH LEG OF THE INTERSECTION MAY BE DISCONNECTED DURING MEDIAN REMOVAL AND CONSTRUCTION. THE SIGNAL HEAD DOWNTIME SHALL BE MINIMIZED TO THE SHORTEST EXTENT FEASIBLE. THE OTHER SIGNAL HEADS FOR THE NORTHBOUND LEFT AND SOUTHBOUND LEFT SHALL REMAIN OPERATIONAL WHILE THE MEDIAN SIGNAL HEAD IS NOT OPERATIONAL. EACH MOVEMENT SHALL HAVE AT LEAST TWO OPERATIONAL SIGNAL FACE AT ALL TIMES.

REMOVAL AND RELOCATION NOTES:

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

8	EACH	PEDESTRIAN PUSH-BUTTON
2	EACH	3-SECTION SIGNAL HEAD
1	EACH	TRAFFIC SIGNAL POST
2	EACH	VEHICLE DETECTION CAMERA

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THEIR PROPOSED LOCATIONS.

1	EACH	10' PEDESTRIAN SIGNAL POST
2	EACH	PEDESTRIAN SIGNAL HEAD

TS 13265
IDOT CENTRACS

PLOT DRIVER: SPNTDRIVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOTTER: SSPLOTTER SSPNAMES
MODEL NAME: 3d-Plan
ILL NAME: pw://ps-pw.bentley.com:pw-02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004-IL 25 (I-90 to Page Ave)/90_Design/CAD/P-C/Sheets/0105125-sht-TS-Congdon Removal.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

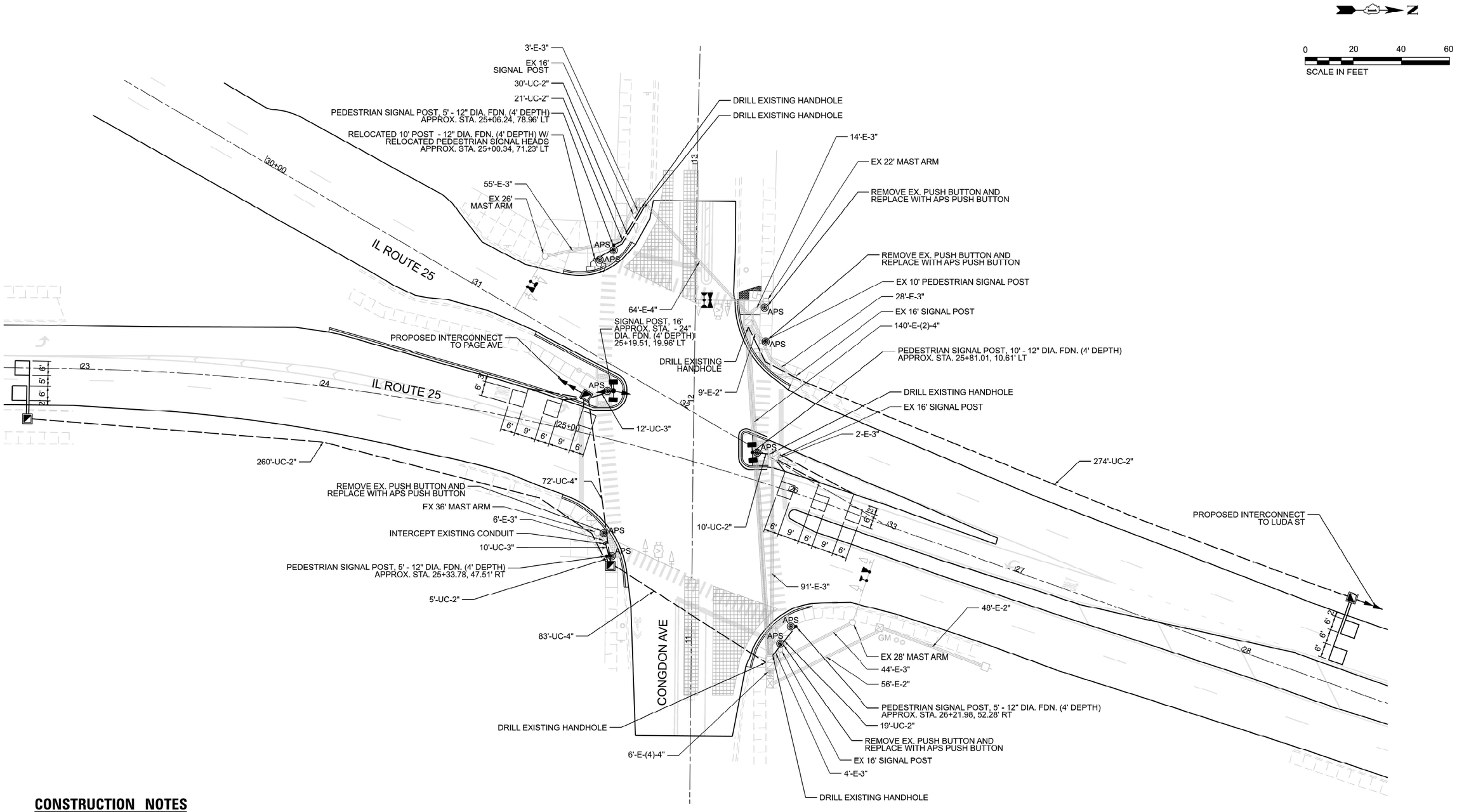
PLOT SCALE: 40.000 ' / in. PAGE SIZE: $SHEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN
IL ROUTE 25 AT CONGDON AVENUE

SCALE: 1" = 20' | SHEET 6 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	16
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



CONSTRUCTION NOTES

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

TS 13265

IDOT CENTRACS

PLOT DRIVER: SPWTBWLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOTTER NAME: SCHEDULNAMES
MODEL NAME: Default
FILE NAME: pw://p-cow.bentley.com:pc-pw02/Documents/Projects/24-C003-IDOT 211 Item 2 Various Phase II/004- IL 25 (I-90 to Page Ave)/90_Design/CADD/P-C/Sheets/0105125-sht-TS-Congdon Proposed.dgn

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $$SHEETSIZE$$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

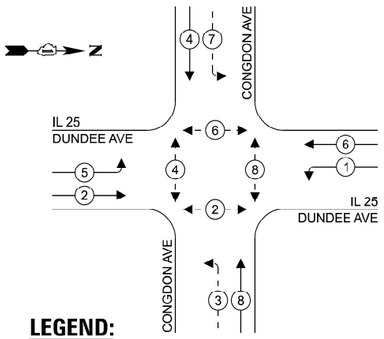
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 25 AT CONGDON AVENUE

SCALE: 1" = 20' | SHEET 7 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	17
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

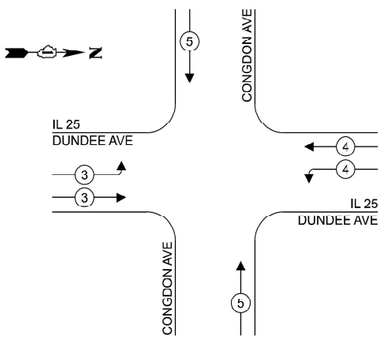
EXISTING / PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

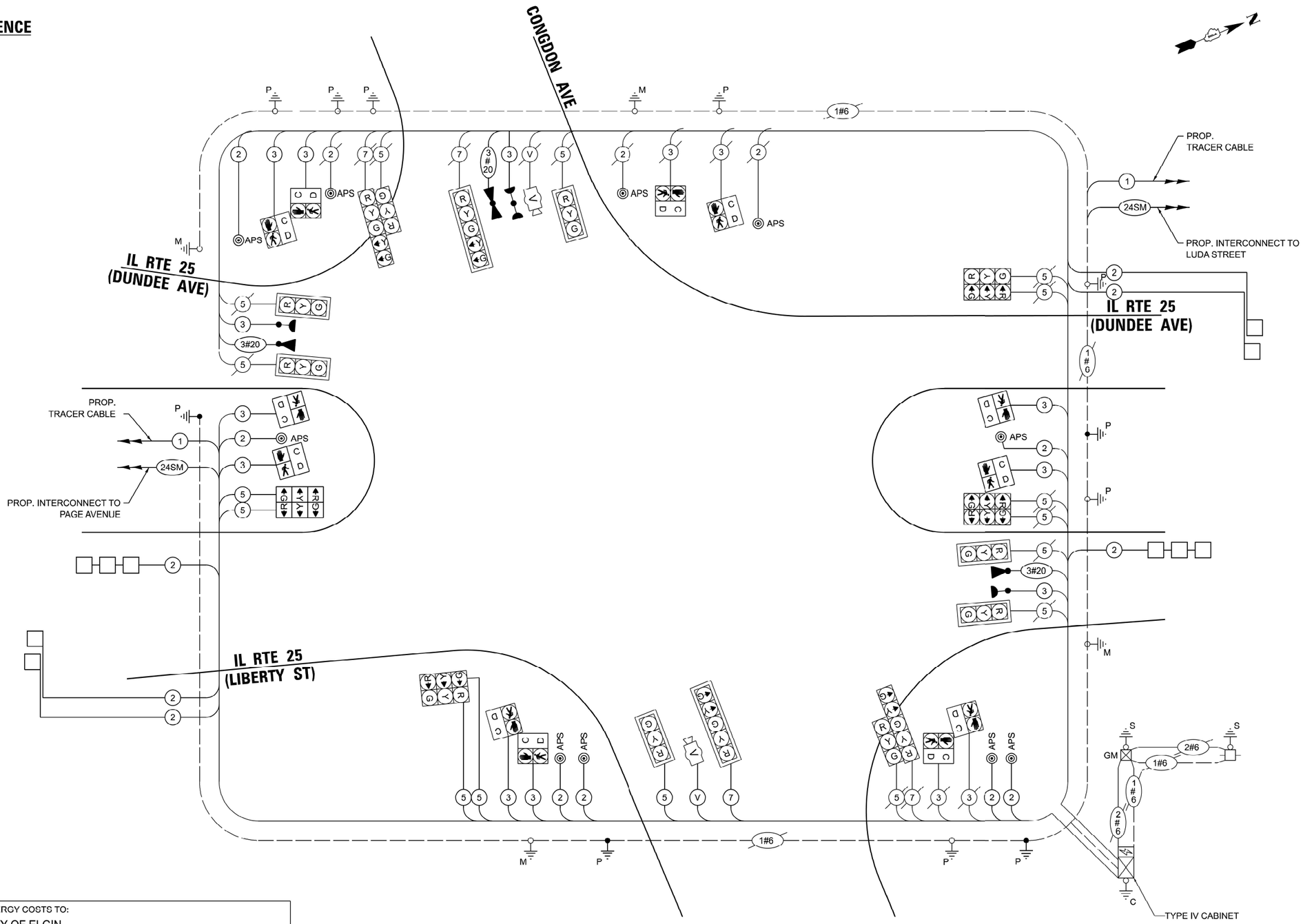


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	15	11	165
	4-SECTION	-	14	-
	5-SECTION	4	13	52
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	-	28	-
PEDESTRIAN SIGNAL		12	15	180
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				607
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				1,212

ENERGY COSTS TO:
CITY OF ELGIN
150 Dexter Court
Elgin, IL 60120

ENERGY SUPPLY:
CONTACT: ---
PHONE: ---
COMPANY: COMED
ACCOUNT NUMBER: #46305-42222
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

NOTES:

ALL RED INDICATIONS SHALL HAVE A LENS COVER.

TS 13265
IDOT CENTRACS

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 25 AT CONGDON AVENUE

SCALE: N.T.S. | SHEET 8 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	18
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $SHEETSIZE$

PLOT DRIVER: $PLOTDRIVER$
PENTABLE: $PENTABLE$
PLOT DATE: 4/22/2025
PLOT TIME: $TIME$
MODEL NAME: Default
FILE NAME: pw://pc-pw.bentley.com:pc-pw-02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004-IL 25 (I-90 to Page Ave)/SO_Design/CAD/P-C/Sheets/0105125-sht-TS-Congdon Cable Plan
PLOT TIME: $TIMES

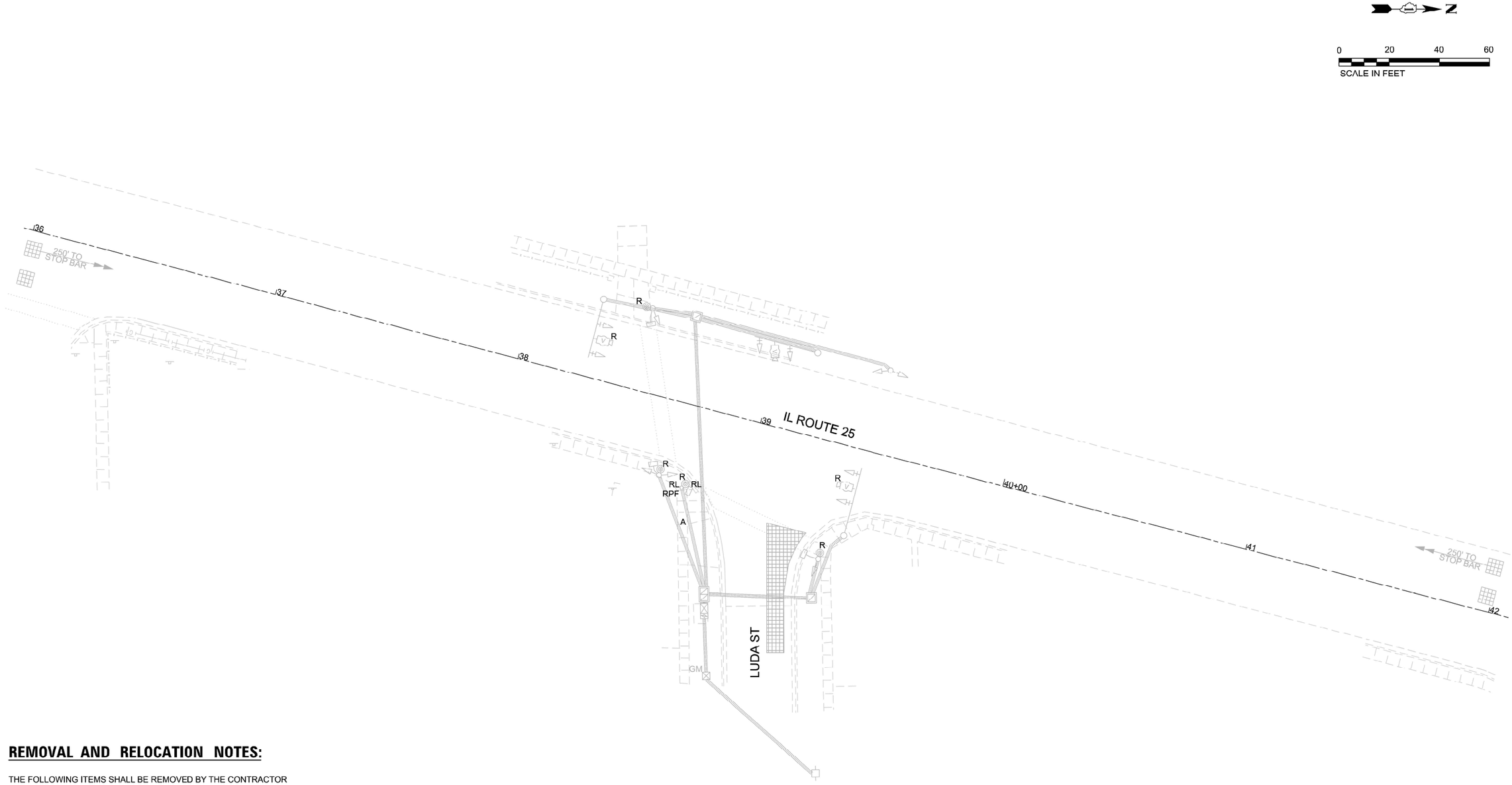
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	619
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	22
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	155
HANDHOLE	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1847
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2139
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	801
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	200
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2075
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	830
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
DETECTOR LOOP, TYPE I	FOOT	367
* LIGHT DETECTOR	EACH	3
* LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	677
TERMINATE FIBER IN CABINET	EACH	8
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	3
INTERCEPT EXISTING CONDUIT	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	8
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	10
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20
LED SIGNAL FACE, LENS COVER	EACH	2
REMOVE CABLE FROM CONDUIT	FOOT	18
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

* 100% COST TO THE CITY OF ELGIN

TS 13265

IDOT CENTRACS



REMOVAL AND RELOCATION NOTES:

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

4	EACH	PEDESTRIAN PUSH-BUTTON
2	EACH	VEHICLE DETECTION CAMERA

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THEIR PROPOSED LOCATIONS.

1	EACH	10' PEDESTRIAN SIGNAL POST
1	EACH	PEDESTRIAN SIGNAL HEAD

TS 13270
IDOT CENTRACS

PLOT DRIVER: PSPTORIL5
PENTABLE: SPENTBL5
PLOT DATE: 4/22/2025
PLOT TYPE: SSHEETSIZE
MODEL NAME: 3d-built
PLOT TIME: $TIMES
FILE NAME: pw://pc-pw.bentley.com:pc-aw-02/Documents/Project/24-0003-IDOT 211 Item 2 Various Phase II/004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-TS-Luda Removal.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED -	MGT, BJD	REVISED -		
	DRAWN -	MGT, BJD	REVISED -		
PLOT SCALE = 40.000 ' / in.	CHECKED -	CMP, ASH	REVISED -		
PLOT DATE = 4/22/2025	DATE -	4/1/2025	REVISED -		

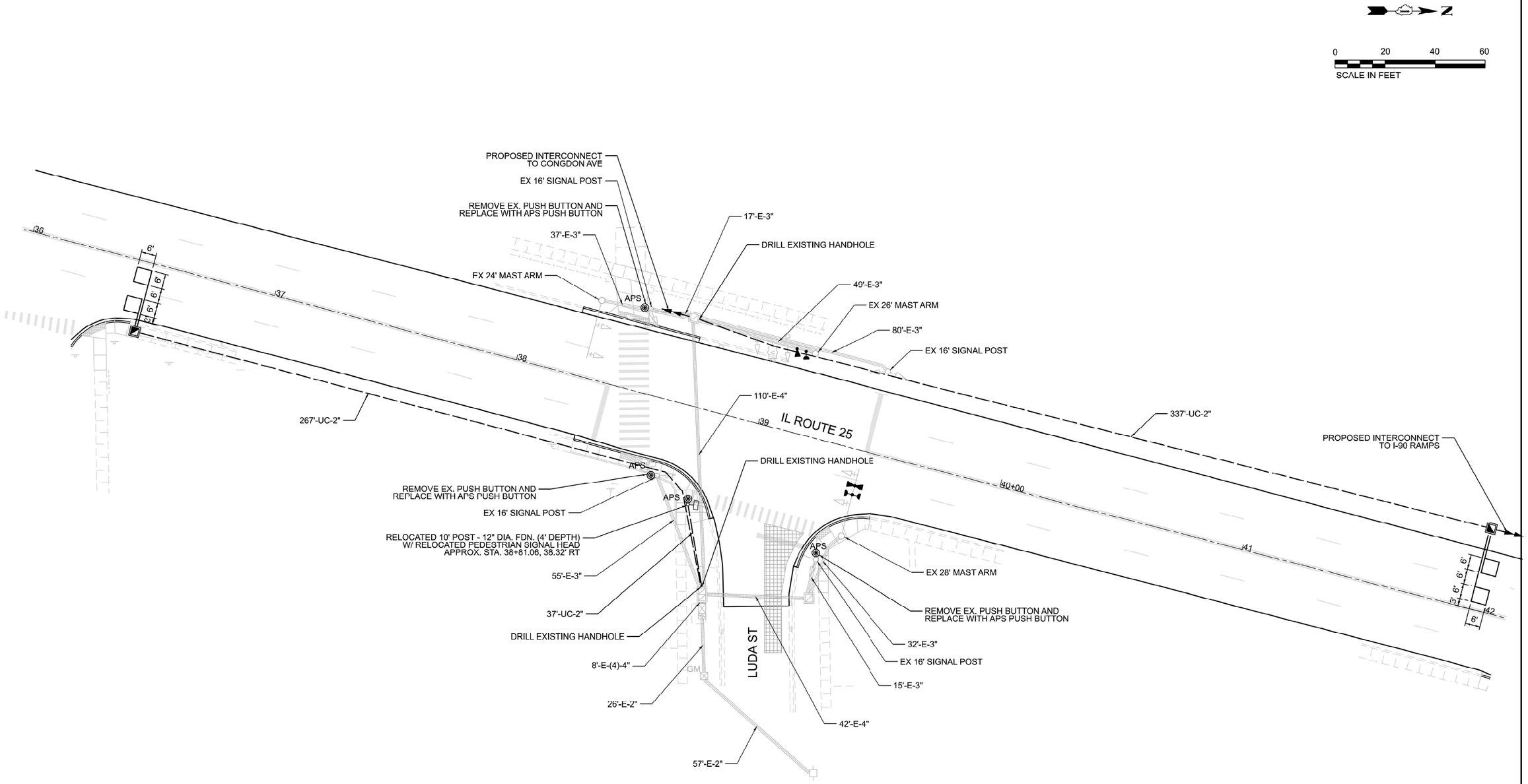
PLOT SCALE: 40.000 ' / in. PAGE SIZE: $SHEETSIZES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN
IL ROUTE 25 AT LUDA STREET

SCALE: 1" = 20' | SHEET 10 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	20
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



CONSTRUCTION NOTES

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

TS 13270
IDOT CENTRACS

PLOT DRIVER: SPDTDRVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: $TIME$
PLOT TYPE: DGN/DWG/DXF
MODEL NAME: Default
FILE NAME: pw://pc-cow.bentley.com:pc-pw01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004-IL 25 (I-90 to Pige Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-TS-luda Proposed.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $SHEETSIZE$

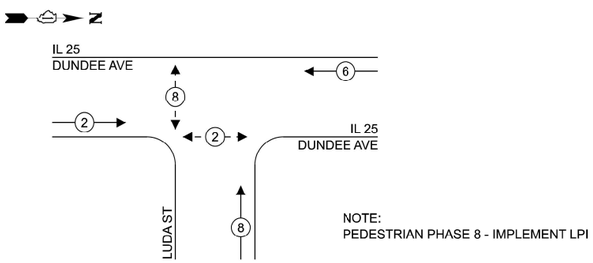
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 25 AT LUDA STREET

SCALE: 1" = 20' | SHEET 11 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	21
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

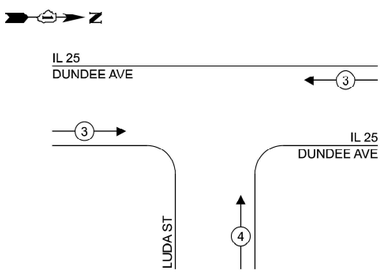
EXISTING / PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

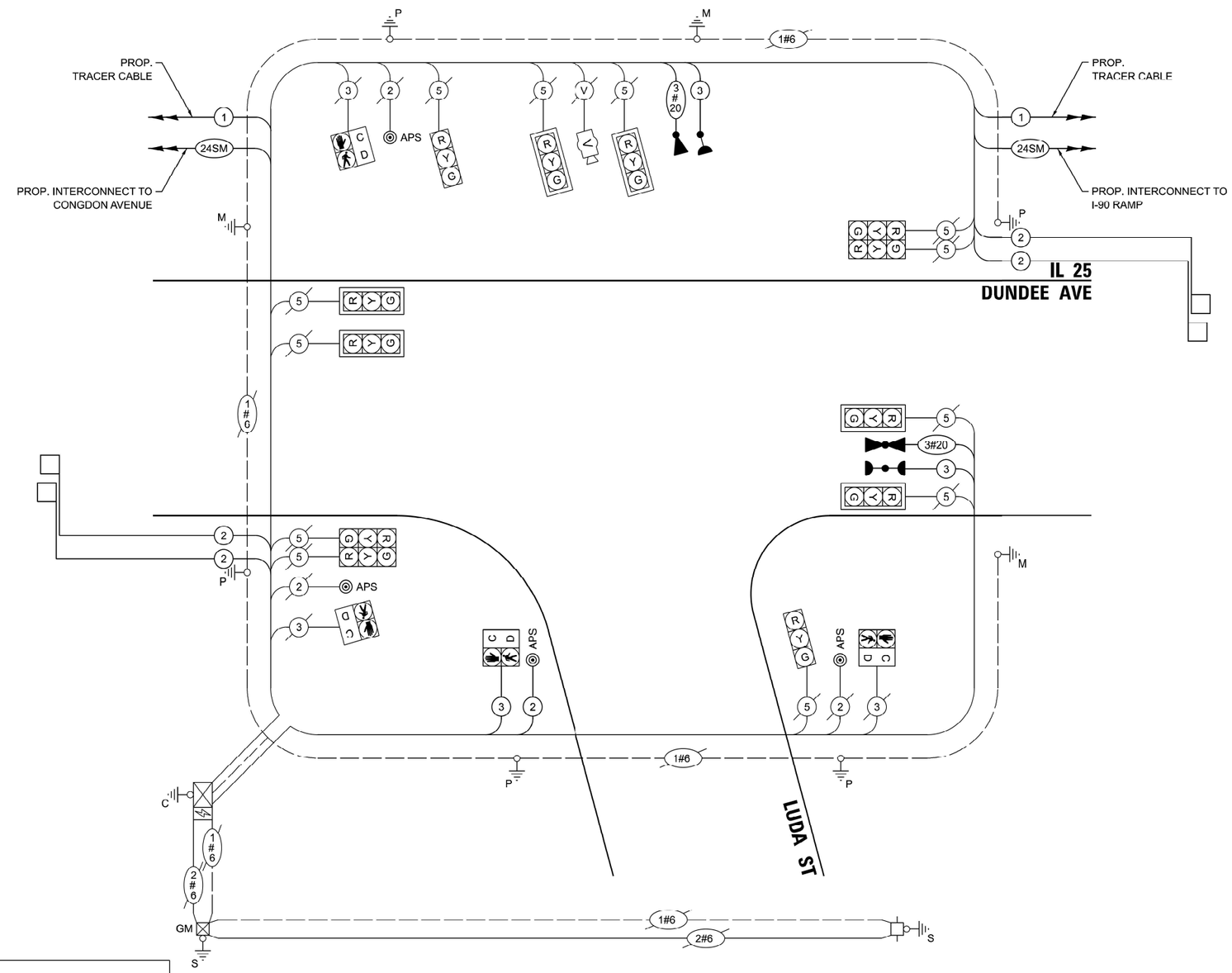


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	12	11	132
	4-SECTION	-	14	-
	5-SECTION	-	13	-
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				402
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				1,007

ENERGY COSTS TO:
CITY OF ELGIN
150 Dexter Court
Elgin, IL 60120

ENERGY SUPPLY:
CONTACT: ---
PHONE: ---
COMPANY: COMED
ACCOUNT NUMBER: #46305-42222
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS 13270
IDOT CENTRACS

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 25 AT LUDA STREET

SCALE: N.T.S. | SHEET 12 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	22
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

PLOT DRIVER: SYSTORIALS
PENTABLE: SPENTBL5
PLOT DATE: 4/22/2025
PLOT TIME: 2:55PM
PLOT TYPE: $STIMES
MODEL NAME: Default
FILE NAME: pw://jp-pw.bentley.com:jp-c-pw-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004- IL 25 (I-90 to Page Ave)\50_Design\CAD\P-C\Sheets\0105125-sht-T5-Luda Cable Plan
PLOT SCALE: 40.000 ' / in.
PAGE SIZE: $SHEETSIZES

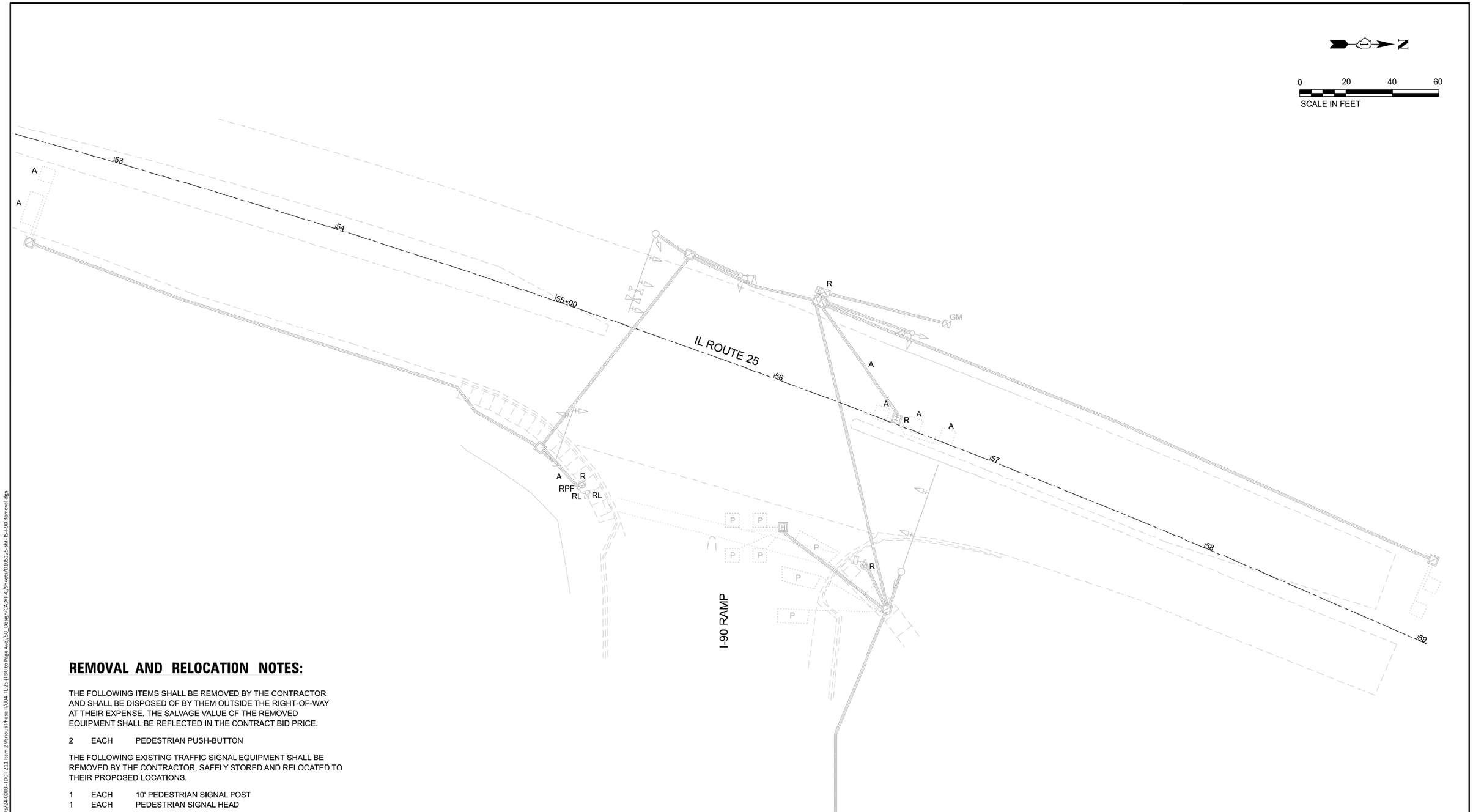
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	641
HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	81
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	441
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1609
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	40
DRILL EXISTING HANDHOLE	EACH	3
DETECTOR LOOP, TYPE I	FOOT	139
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
* EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	376
TERMINATE FIBER IN CABINET	EACH	8
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
SPLICE FIBER IN CABINET	EACH	8
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

* 100% COST TO THE CITY OF ELGIN

TS 13270

IDOT CENTRACS



REMOVAL AND RELOCATION NOTES:

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

2 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THEIR PROPOSED LOCATIONS.

1 EACH 10' PEDESTRIAN SIGNAL POST
1 EACH PEDESTRIAN SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND SHALL BE DELIVERED BY THE CONTRACTOR TO IDOT'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY

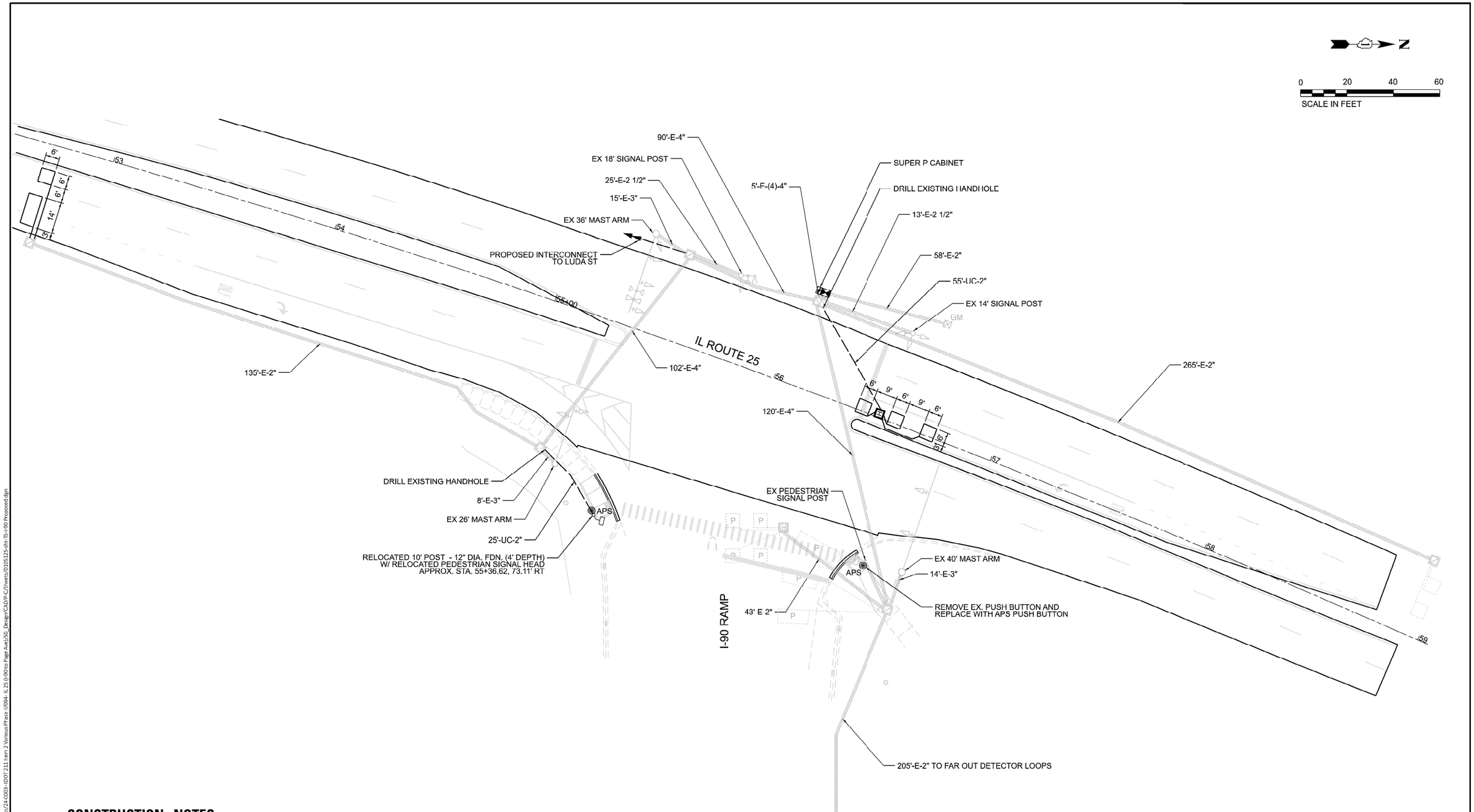
1 EACH CONTROLLER AND CABINET (COMPLETE)

TS 665
IDOT CENTRACS

PLOT DRIVER: SDITRIVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025 PLOT TIME: $TIMES
PLOT TYPE: C-SIZE-LANDSCAPE
MODEL NAME: 2d-built
FILE NAME: pw://p-c-pw.bentley.com:p-cpw-02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase II/004- IL 25 (I-90 to Page Ave)-50_Design/CADD/P-C/Sheets/D105125-sht-TS-I-90 Removal.dgn

Peralte-Clark LLC	USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL REMOVAL PLAN IL ROUTE 25 AT I-90 RAMPS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - MGT, BJD	REVISED -			360	2024-1017-RS	KANE	77 / 24
	PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -					CONTRACT NO. 62X59	
	PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -		SCALE: 1" = 20' SHEET 14 OF 20 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $SHEETSIZES



CONSTRUCTION NOTES:

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

TS 665
IDOT CENTRACS

PLOT DRIVER: SSNTDRIVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025
PLOT TIME: 3:58 PM
PLOT TIVE: STIMES
MODEL NAME: Default
ILL NAME: pw://ps-pw-bentley.com:pw-cs-pw01/Documents/Projects/24-0003 - IDOT 211 Item 2 Various Phase I//004 - IL 25 (I-90 to Page Ave)/50_Design*CAD/P-C/Sheets/0105125-sht-TS-I-90 Proposed.dgn

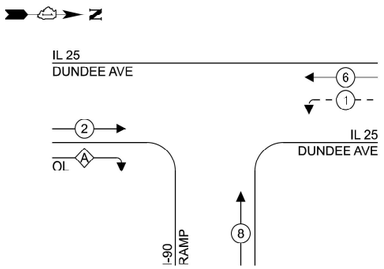
Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL MODIFICATION PLAN IL ROUTE 25 AT I-90 RAMPS	
	DRAWN - MGT, BJD	REVISED -			
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -			
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -		SCALE: 1" = 20' SHEET 15 OF 20 SHEETS STA. TO STA.	

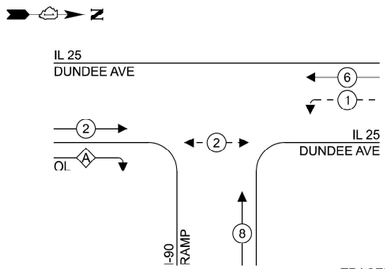
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	25
		CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $$HSTSIZE$

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



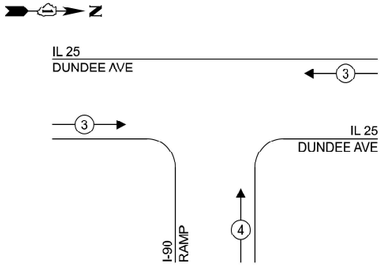
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
A	=	2	+	8

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

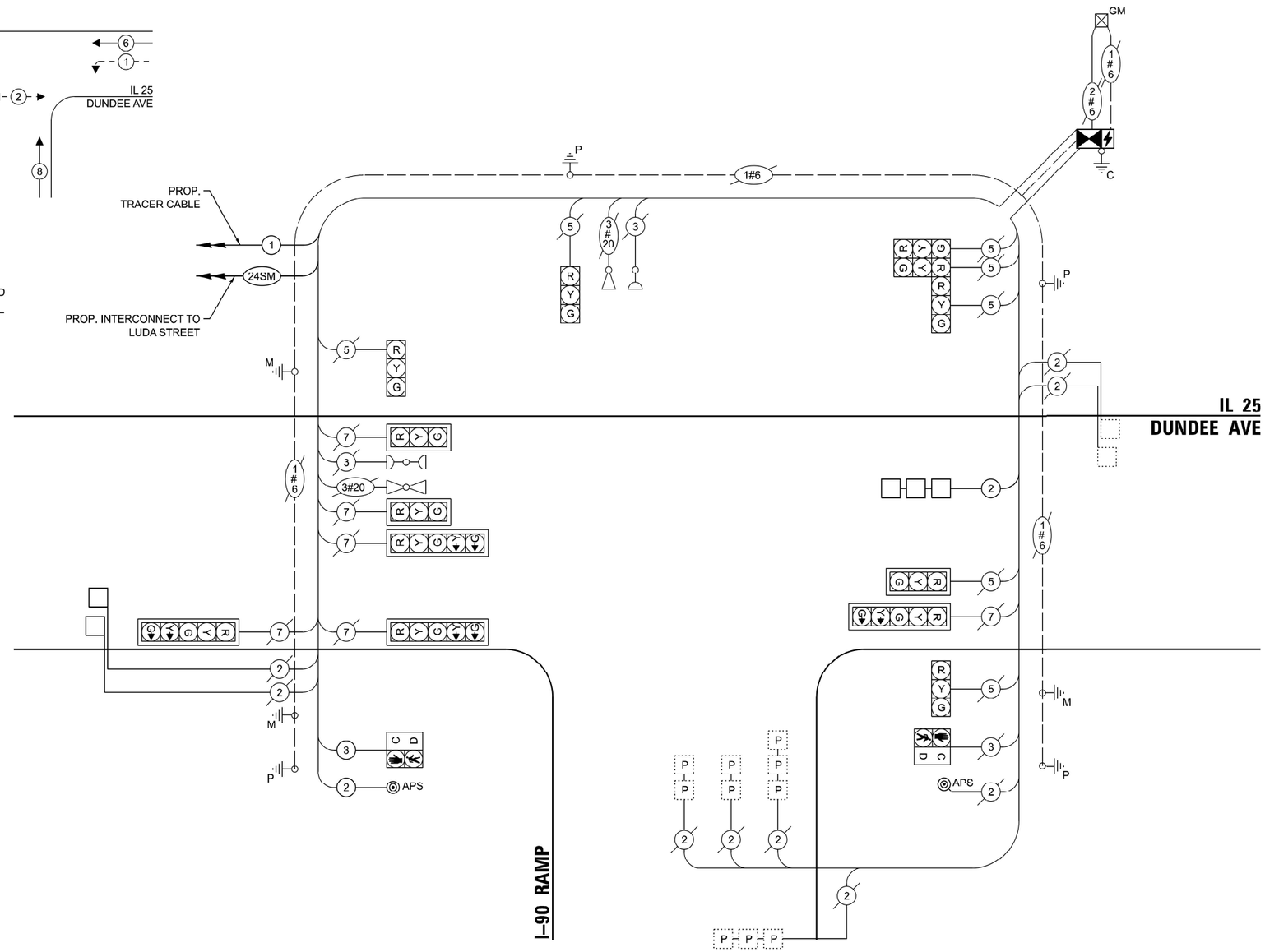


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

EQUIPMENT TYPE		QUANTITY	UNIT WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	1 OR 3-SECTION	9	11	99
	4-SECTION	-	14	-
	5-SECTION	-	13	-
PROGRAMMABLE	3-SECTION	-	22	-
	4-SECTION	-	32	-
	5-SECTION	4	28	112
PEDESTRIAN SIGNAL		2	15	30
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		1	15	15
TOTAL UPS SIZING				466
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				1,071

ENERGY COSTS TO:
CITY OF ELGIN
150 Dexter Court
Elgin, IL 60120

ENERGY SUPPLY: CONTACT: ---
PHONE: ---
COMPANY: COMED
ACCOUNT NUMBER: #46305-42222
METER NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

TS 665
IDOT CENTRACS

PLOT DRIVER: SPYTBRVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOT STYLE: SSHOWNAMES
MODEL NAME: 2x2sub
FILE NAME: pw://p-cpw.bentley.com:pc-pw-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase II/004- IL 25 (I-90 to Page Ave)/90_Design/CAD/P-C/Sheets/0105125-sht-TS-I-90 Cable Plan

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, BJD	REVISED -	
	DRAWN - MGT, BJD	REVISED -	
PLOT SCALE = 40.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 40.000 ' / in. PAGE SIZE: $$SHEETSIZE$$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL ROUTE 25 AT I-90 RAMP

SCALE: N.T.S. | SHEET 16 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	26

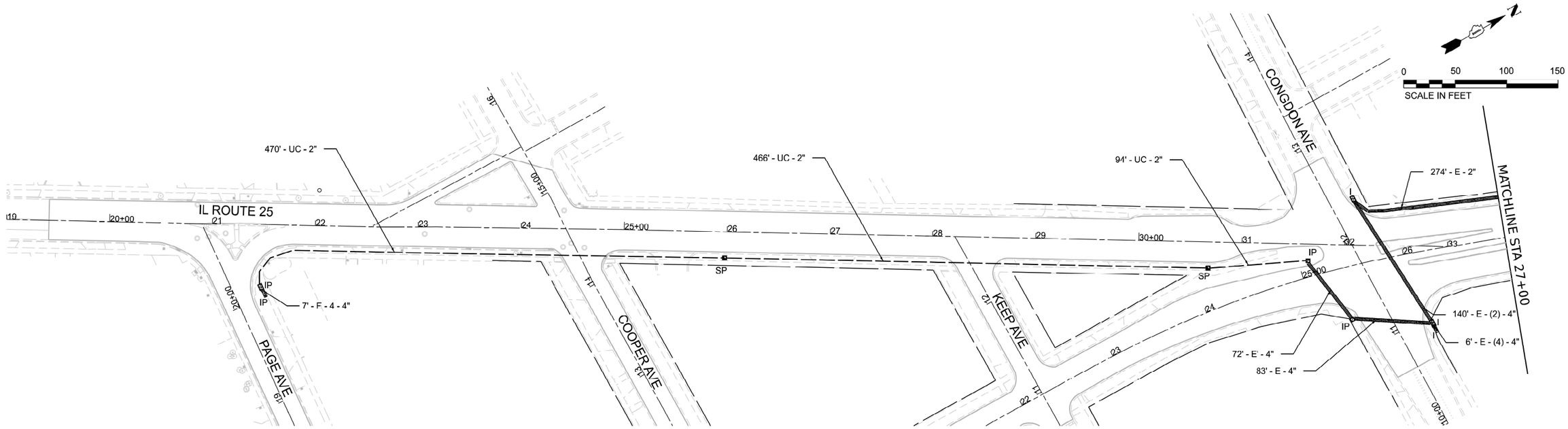
CONTRACT NO. 62X59
ILLINOIS | FED. AID PROJECT

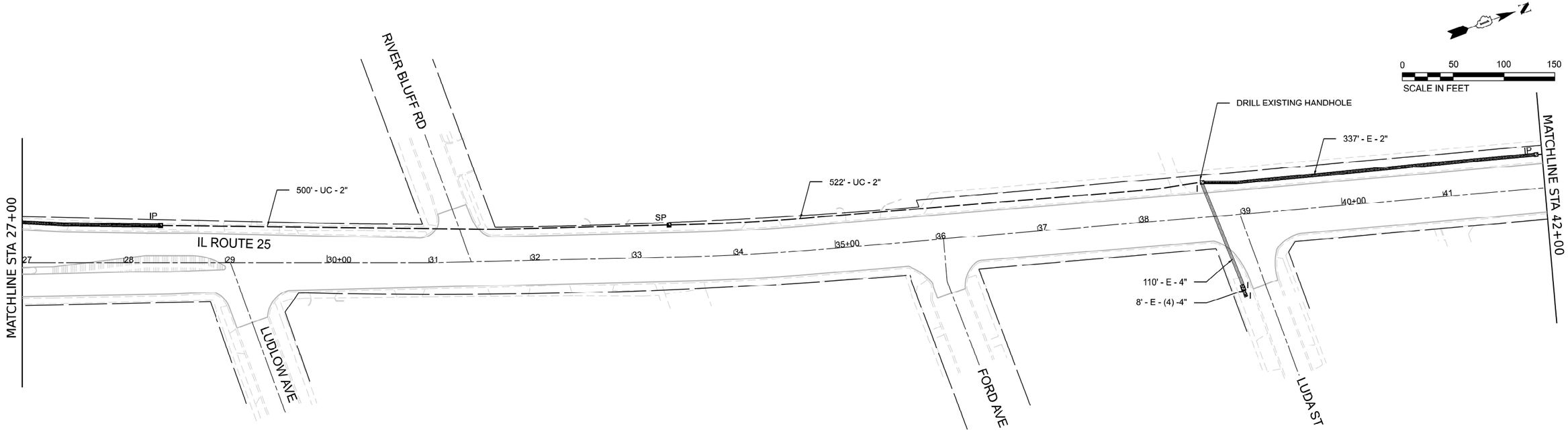
SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	80
HEAVY-DUTY HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	487
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	262
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	96
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	27
DRILL EXISTING HANDHOLE	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	189
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
TERMINATE FIBER IN CABINET	EACH	12
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
FIBER OPTIC INTERCONNECT CENTER, 24 PORT	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4

TS 665

IDOT CENTRACS





IDOT CENTRACS

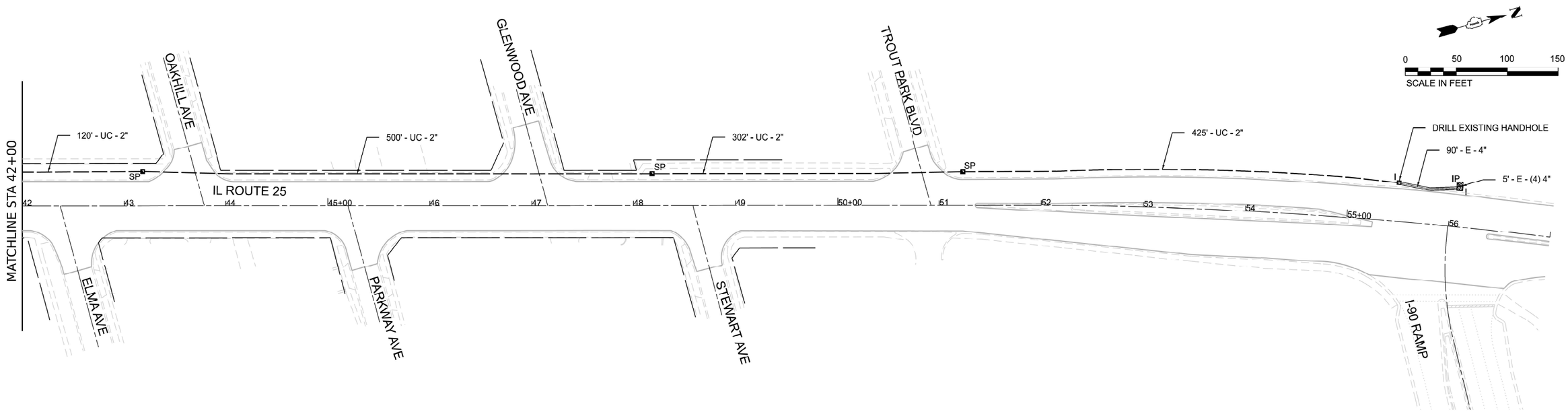
PLOT DRIVER: SPIDTDRV.LS
PENTABLE: SPENTBL.LS
PLOT DATE: 4/22/2025 PLOT TIME: $TIME$
PLOTTED BY: $USERNAME$
MODEL NAME: Default
FILE NAME: pw://p-cow.bentley.com:pc-pw-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004-IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-pht-Interconnect-01

PLOT SCALE: 100.000 ' / in. PAGE SIZE: $$SHEETSIZE$$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL ROUTE 25 - PAGE AVENUE TO I-90 RAMPS	
	DRAWN - BJD	REVISED -			
PLOT SCALE = 100.000 ' / in.	CHECKED - CMP, ASH	REVISED -			
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -		SCALE: 1" = 50' SHEET 18 OF 20 SHEETS STA. TO STA.	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	27A
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



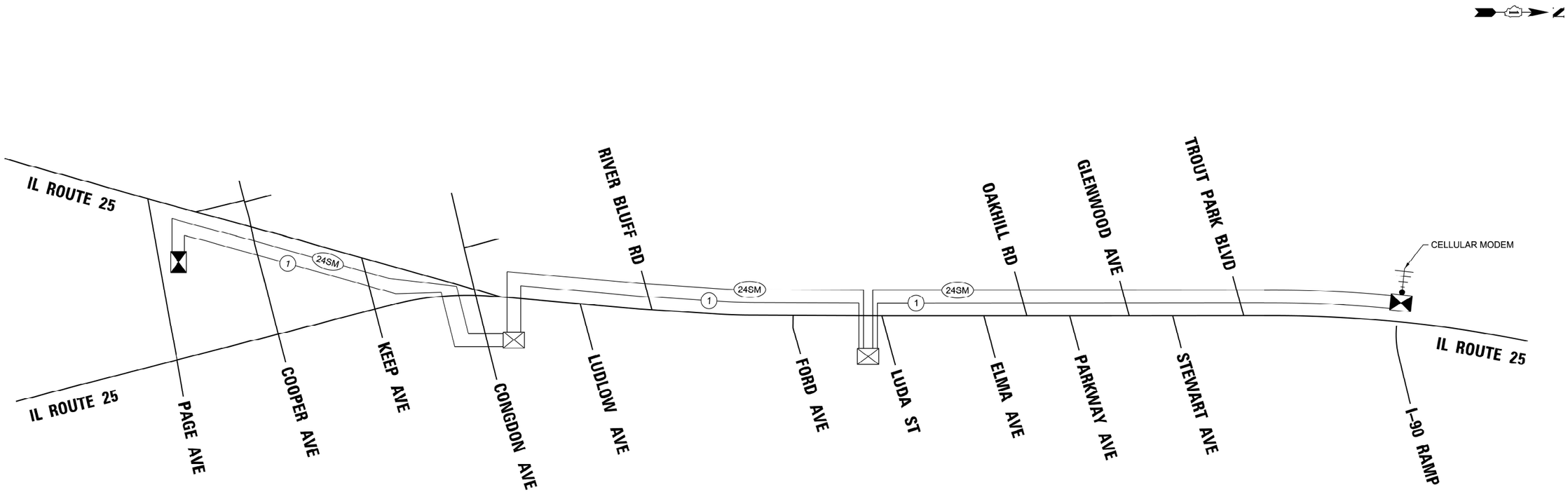
IDOT CENTRACS

Peralte-Clark LLC	USER NAME = brandon.dengel	DESIGNED - BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT PLAN IL ROUTE 25 - PAGE AVENUE TO I-90 RAMPS
		DRAWN - BJD	REVISED -		
	PLOT SCALE = 100.000 ' / in.	CHECKED - CMP, ASH	REVISED -		
	PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -		SCALE: 1" = 50' SHEET 19 OF 20 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	27B
		CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		

PLOT DRIVER: SPITDRVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025 PLOT TIME: 5TIMES
PLOT BY: Brandon Dengel
MODEL NAME: Default
FILE NAME: pw://js-cpw.bentley.com:pc-cpw01/Documents.Project/24-0003 - IDOT 211 Item 2 Various Phase I/004 - IL 25 (I-90 to Page Ave)/02_Design/CAD/P-C/Sheets/0105125-sht-Interconnect-02

PLOT SCALE: 100.000 ' / in. PAGE SIZE: $SHEETSIZE$



SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNITS	TOTAL QTY
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,399
	HANDHOLE	EACH	6
	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,870
	DRILL EXISTING HANDHOLE	EACH	2
*	CENTRACS LICENSE EXPANSION	EACH	4
	LAYER II (DATALINK) SWITCH	EACH	4
	FIBER OPTIC CABLE IN CONDUIT, 24 FIBERS, SINGLE MODE	FOOT	4,870
	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

* IDOT WILL PROVIDE THE NECESSARY CENTRACS LICENSES TO OPERATE THIS SYSTEM

IDOT CENTRACS

PLOT DRIVER: SPNTDRVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOT STYLE: $$STYLENAME$$
MODEL NAME: Default
FILE NAME: pw://p-cpw.bentley.com:p-cw-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I//004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-Interconnect-Schematic.dgn
PLOT TIME: $TIME$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - BJD	REVISED -	
	DRAWN - BJD	REVISED -	
PLOT SCALE = 350.000 ' / in.	CHECKED - CMP, ASH	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 350.000 ' / in. PAGE SIZE: $$SHEETSIZE$$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

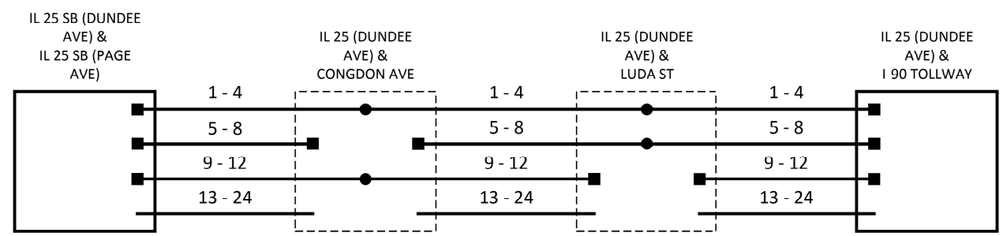
PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
IL ROUTE 25 - PAGE AVENUE TO I-90 RAMPS

SCALE: N.T.S. | SHEET 20 OF 20 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	27C

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



N

EXISTING CONNECTOR/
EXISTING FIBER

NEW CONNECTOR/
EXISTING FIBER

EXISTING FUSION SPLICE/
EXISTING FIBER

NEW FUSION SPLICE/
EXISTING FIBER

NEW CONNECTOR/
NEW FIBER

NEW FUSION SPLICE/
NEW FIBER

FIBER SPLICING DIAGRAM

IDOT CENTRACS

MODEL: Traffic Signal Sheet 21 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-TS.dgn

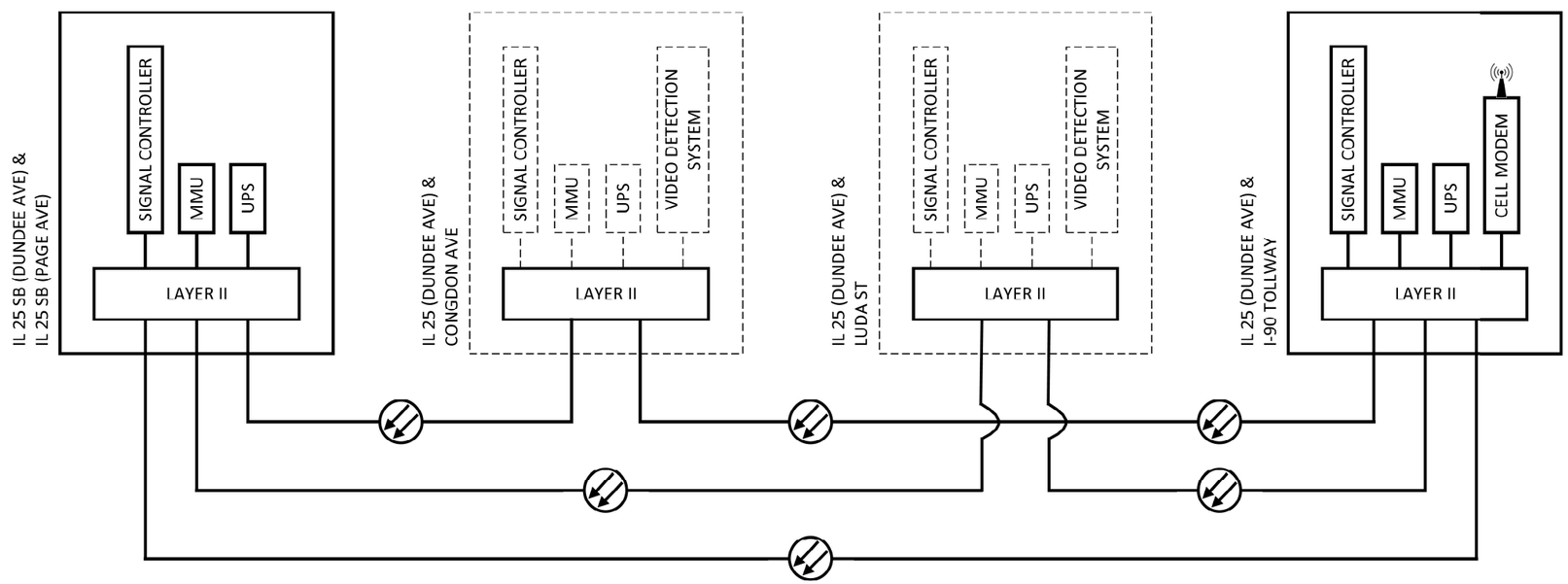
USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 4/28/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT FIBER SPLICING DIAGRAM
IL 25 (DUNDEE AVE.) [S/O I-90 TO PAGE AVE.]

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	27D
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



N

EXISTING FIBER CONNECTION

PROPOSED FIBER CONNECTION

EXISTING EQUIPMENT

PROPOSED EQUIPMENT

CABINET DETAIL SHEET

IDOT CENTRACS

MODEL: Traffic Signal Sheet 22 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-TS.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 4/28/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

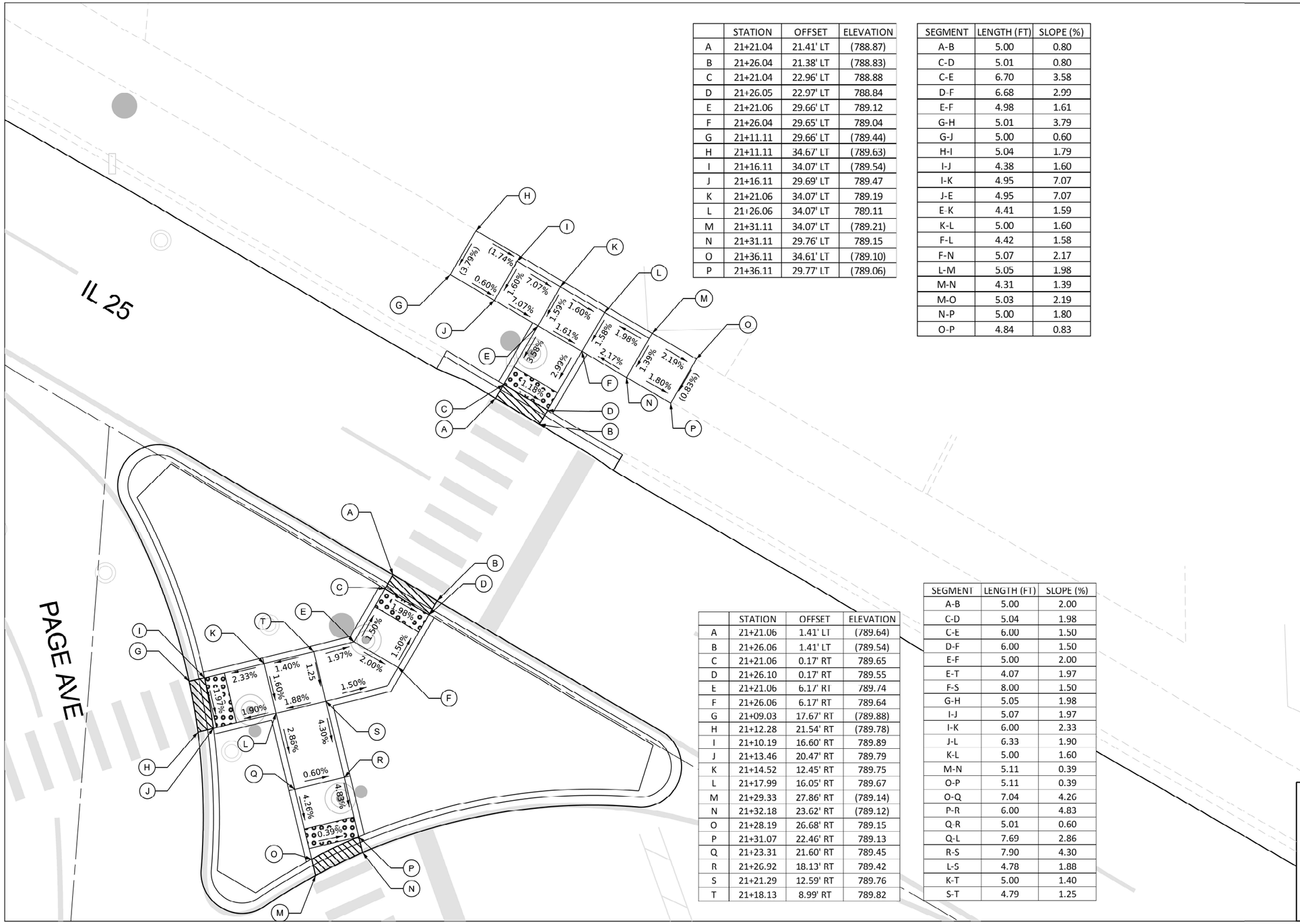
PROPOSED INTERCONNECT CABINET DETAIL SHEET
IL 25 (DUNDEE AVE.) [S/O I-90 TO PAGE AVE.]

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	27E
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

ADA CURB RAMP SCHEDULE

MAIN ROAD	CROSS ROAD	CORNER	20200100 EARTH EXCAVATION	21101615 TOPSOIL FURNISH AND PLACE, 4"	25200110 SODDING, SALT TOLERANT	42001300 PROTECTIVE COAT	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	42400800 DETECTABLE WARNINGS	44000100 PAVEMENT REMOVAL	44000600 SIDEWALK REMOVAL	44003100 MEDIAN REMOVAL	60250500 CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	60300105 FRAMES AND GRATES TO BE ADJUSTED	60406001 FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	X4400503 COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET
			CU YD	SQ YD	SQ YD	SQ YD	SQ FT	SQ FT	SQ YD	SQ FT	SQ FT	EACH	EACH	EACH	FOOT
IL ROUTE 25	PAGE AVE	W	1.7	7	7	23	167	10		167					20
IL ROUTE 25	PAGE AVE	ISLAND	2.1			58	210	30	59	210	1087	1			155
IL ROUTE 25	PAGE AVE	SE	1.5			25	153	10		153					33
IL ROUTE 25	PAGE AVE	NE	2.1	13	13	41	209	10		209					76
SB IL ROUTE 25	COOPER AVE	SE	1.4	7	7	19	140	10		140					14
SB IL ROUTE 25	COOPER AVE	NE	1.5	8	8	22	148	10		148			1		21
SB IL ROUTE 25	KEEP AVE	SE	2.4	5	5	31	235	10		235					20
SB IL ROUTE 25	KEEP AVE	NE	1.8	5	5	26	179	11		179					26
NB IL ROUTE 25	COOPER AVE	SW	2.1	11	11	33	214	20		214			1		40
NB IL ROUTE 25	COOPER AVE	NW	2.3	10	10	33	231	20		231			1		32
NB IL ROUTE 25	COOPER AVE	SE	2.1	10	10	36	213	20		213			1		52
NB IL ROUTE 25	COOPER AVE	NE	2.0	8	8	30	196	20		196			1		34
NB IL ROUTE 25	KEEP AVE	SW	2.5	7	7	37	245	20		245					41
NB IL ROUTE 25	KEEP AVE	NW	1.5	5	5	22	148	10		148					23
NB IL ROUTE 25	KEEP AVE	SE	2.3	9	9	35	231	20		231					42
NB IL ROUTE 25	KEEP AVE	NE	3.0			42	301	10		301			1		38
NB IL ROUTE 25	CONGDON AVE	SW	2.9	4	4	40	290	11		290					34
NB IL ROUTE 25	CONGDON AVE	NW	3.3	11	11	47	330	24		351			1		45
NB IL ROUTE 25	CONGDON AVE	S ISLAND	2.6	113	113	69	258	20	150	85	1437				178
NB IL ROUTE 25	CONGDON AVE	N ISLAND	1.3			23	129	22		129					35
NB IL ROUTE 25	CONGDON AVE	SE	2.7	3	3	42	272	25		272					49
NB IL ROUTE 25	CONGDON AVE	NE	1.7	7	7	27	165	16		165			1		35
NB IL ROUTE 25	LUDLOW AVE	SE	1.9	8	8	28	185	10		185					32
NB IL ROUTE 25	LUDLOW AVE	NE	1.7	8	8	28	168	15		168			1		41
NB IL ROUTE 25	RIVER BLUFF RD	SW	2.6	8	8	37	263	15		263					32
NB IL ROUTE 25	RIVER BLUFF RD	NW	2.5	10	10	38	247	18		247					45
NB IL ROUTE 25	FORD AVE	SE	3.1	7	7	42	309	10		309					34
NB IL ROUTE 25	FORD AVE	NE	1.4	9	9	22	141	19		141					28
NB IL ROUTE 25	LUDA ST	SW	2.8	8	8	43	283	26		283					49
NB IL ROUTE 25	LUDA ST	SE	4.3			61	425	34		425			1		59
NB IL ROUTE 25	LUDA ST	NE	2.4	12	12	36	243	10		243				1	39
NB IL ROUTE 25	ELMA AVE	SE	1.9	9	9	27	186	10		186					26
NB IL ROUTE 25	ELMA AVE	NE	2.4	12	12	36	243	12		243			1		39
NB IL ROUTE 25	OAKHILL RD	SW	2.1	16	16	28	212	16		212					20
NB IL ROUTE 25	OAKHILL RD	NW	1.0	2	2	15	98	10		98			1		18
NB IL ROUTE 25	PARKWAY AVE	SE	1.5	9	9	25	149	10		149			1		35
NB IL ROUTE 25	PARKWAY AVE	NE	1.8	13	13	26	180	12		180			1		25
NB IL ROUTE 25	GLENWOOD AVE	SW	1.7	8	8	29	166	12		166					46
NB IL ROUTE 25	GLENWOOD AVE	NW	1.4	8	8	23	142	10		142			1		31
NB IL ROUTE 25	STEWART AVE	SE	1.6	9	9	24	155	15		155					28
NB IL ROUTE 25	STEWART AVE	NE	1.9	13	13	29	193	13		193			1		34
NB IL ROUTE 25	TROUT PARK BLVD	SW	1.8	15	15	26	179	14		179			1		25
NB IL ROUTE 25	TROUT PARK BLVD	NW	1.1	11	11	18	107	15		107					24
NB IL ROUTE 25	I-90 ON/OFF RAMP	SE	1.3	8	8	22	135	10		142					23
NB IL ROUTE 25	I-90 ON/OFF RAMP	NE	1.6	21	21	22	158	10		233					17



	STATION	OFFSET	ELEVATION
A	21+21.04	21.41' LT	(788.87)
B	21+26.04	21.38' LT	(788.83)
C	21+21.04	22.96' LT	788.88
D	21+26.05	22.97' LT	788.84
E	21+21.06	29.66' LT	789.12
F	21+26.04	29.65' LT	789.04
G	21+11.11	29.66' LT	(789.44)
H	21+11.11	34.67' LT	(789.63)
I	21+16.11	34.07' LT	(789.54)
J	21+16.11	29.69' LT	789.47
K	21+21.06	34.07' LT	789.19
L	21+26.06	34.07' LT	789.11
M	21+31.11	34.07' LT	(789.21)
N	21+31.11	29.76' LT	789.15
O	21+36.11	34.61' LT	(789.10)
P	21+36.11	29.77' LT	(789.06)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	0.80
C-D	5.01	0.80
C-E	6.70	3.58
D-F	6.68	2.99
E-F	4.98	1.61
G-H	5.01	3.79
G-J	5.00	0.60
H-I	5.04	1.79
I-J	4.38	1.60
I-K	4.95	7.07
J-E	4.95	7.07
E-K	4.41	1.59
K-L	5.00	1.60
F-L	4.42	1.58
F-N	5.07	2.17
L-M	5.05	1.98
M-N	4.31	1.39
M-O	5.03	2.19
N-P	5.00	1.80
O-P	4.84	0.83

	STATION	OFFSET	ELEVATION
A	21+21.06	1.41' LT	(789.64)
B	21+26.06	1.41' LT	(789.54)
C	21+21.06	0.17' RT	789.65
D	21+26.10	0.17' RT	789.55
E	21+21.06	6.17' RT	789.74
F	21+26.06	6.17' RT	789.64
G	21+09.03	17.67' RT	(789.88)
H	21+12.28	21.54' RT	(789.78)
I	21+10.19	16.60' RT	789.89
J	21+13.46	20.47' RT	789.79
K	21+14.52	12.45' RT	789.75
L	21+17.99	16.05' RT	789.67
M	21+29.33	27.86' RT	(789.14)
N	21+32.18	23.62' RT	(789.12)
O	21+28.19	26.68' RT	789.15
P	21+31.07	22.46' RT	789.13
Q	21+23.31	21.60' RT	789.45
R	21+26.92	18.13' RT	789.42
S	21+21.29	12.59' RT	789.76
T	21+18.13	8.99' RT	789.82

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	2.00
C-D	5.04	1.98
C-E	6.00	1.50
D-F	6.00	1.50
E-F	5.00	2.00
E-T	4.07	1.97
F-S	8.00	1.50
G-H	5.05	1.98
I-J	5.07	1.97
I-K	6.00	2.33
J-L	6.33	1.90
K-L	5.00	1.60
M-N	5.11	0.39
O-P	5.11	0.39
O-Q	7.04	4.26
P-R	6.00	4.83
Q-R	5.01	0.60
Q-L	7.69	2.86
R-S	7.90	4.30
L-S	4.78	1.88
K-T	5.00	1.40
S-T	4.79	1.25

N

0 5 10 20

SCALE IN FEET

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: CPDTORIL5
PENTABLE: SPENTBL5
PLOT DATE: 4/22/2025
PLOT TIME: 5TIMES
PLOT TYPE: 5SHEETNAMES
MODEL NAME: 30x4ult
FILE NAME: pw://p-c-pw.bentley.com:pc-cw-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-ADA-02.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE5

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

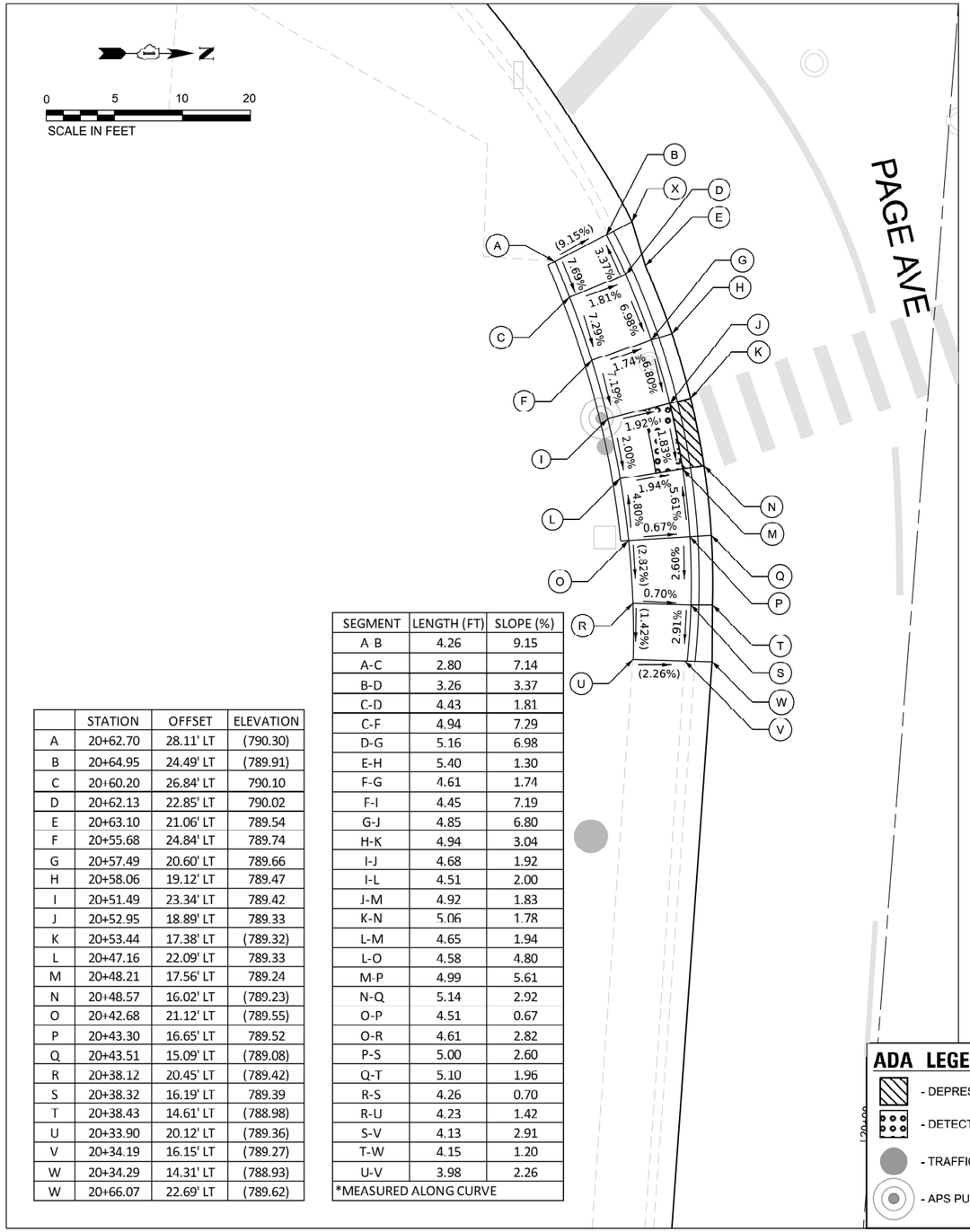
ADA CURB RAMP DETAILS
SOUTHBOUND IL ROUTE 25 AT PAGE AVE

SCALE: 1" = 5' | SHEET 2 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	29

CONTRACT NO. 62X59

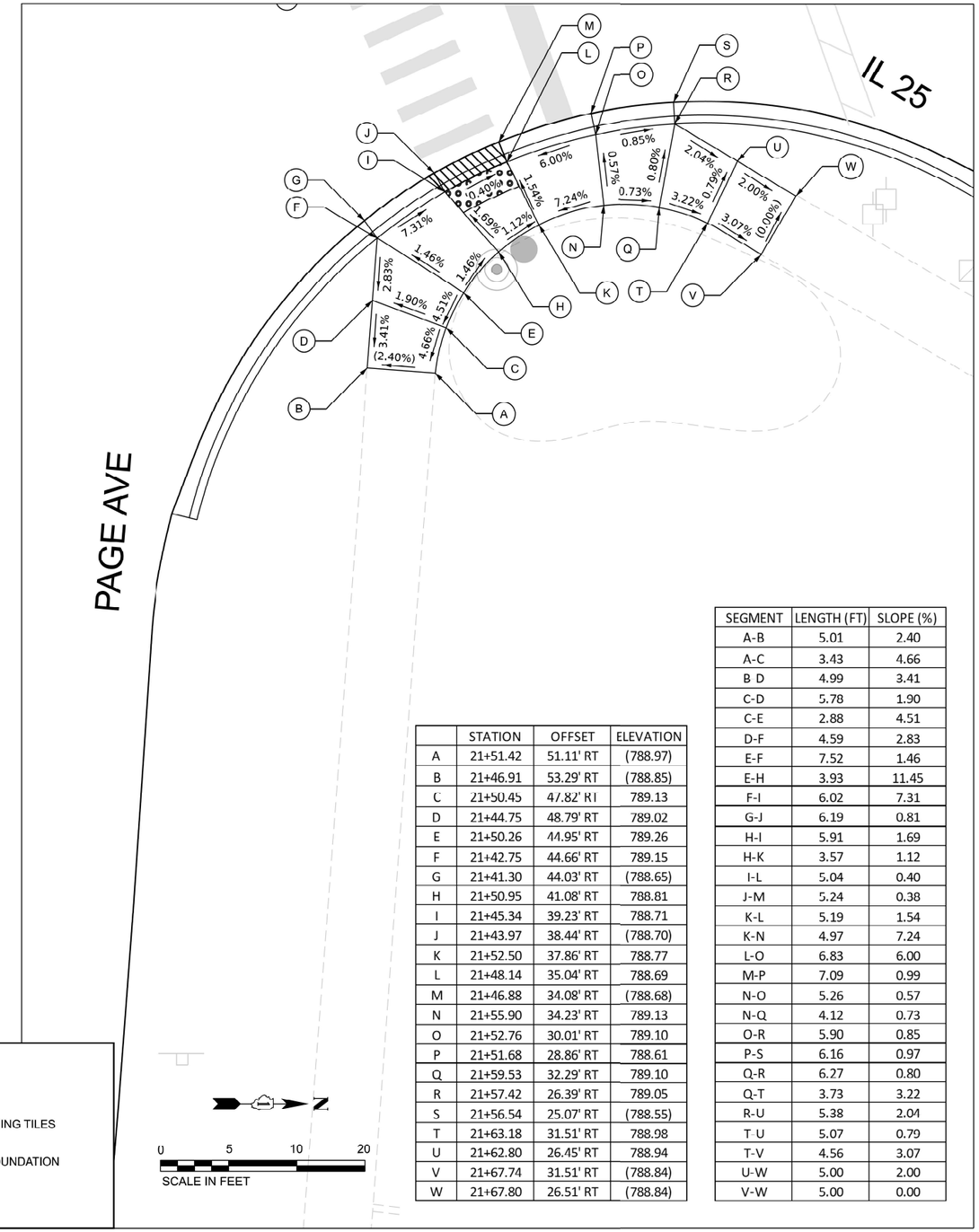
ILLINOIS | FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	20+62.70	28.11' LT	(790.30)
B	20+64.95	24.49' LT	(789.91)
C	20+60.20	26.84' LT	790.10
D	20+62.13	22.85' LT	790.02
E	20+63.10	21.06' LT	789.54
F	20+55.68	24.84' LT	789.74
G	20+57.49	20.60' LT	789.66
H	20+58.06	19.12' LT	789.47
I	20+51.49	23.34' LT	789.42
J	20+52.95	18.89' LT	789.33
K	20+53.44	17.38' LT	(789.32)
L	20+47.16	22.09' LT	789.33
M	20+48.21	17.56' LT	789.24
N	20+48.57	16.02' LT	(789.23)
O	20+42.68	21.12' LT	(789.55)
P	20+43.30	16.65' LT	789.52
Q	20+43.51	15.09' LT	(789.08)
R	20+38.12	20.45' LT	(789.42)
S	20+38.32	16.19' LT	789.39
T	20+38.43	14.61' LT	(788.98)
U	20+33.90	20.12' LT	(789.36)
V	20+34.19	16.15' LT	(789.27)
W	20+34.29	14.31' LT	(788.93)
W	20+66.07	22.69' LT	(789.62)

SEGMENT	LENGTH (FT)	SLOPE (%)
A B	4.26	9.15
A-C	2.80	7.14
B-D	3.26	3.37
C-D	4.43	1.81
C-F	4.94	7.29
D-G	5.16	6.98
E-H	5.40	1.30
F-G	4.61	1.74
F-I	4.45	7.19
G-J	4.85	6.80
H-K	4.94	3.04
I-J	4.68	1.92
I-L	4.51	2.00
J-M	4.92	1.83
K-N	5.06	1.78
L-M	4.65	1.94
L-O	4.58	4.80
M-P	4.99	5.61
N-Q	5.14	2.92
O-P	4.51	0.67
O-R	4.61	2.82
P-S	5.00	2.60
Q-T	5.10	1.96
R-S	4.26	0.70
R-U	4.23	1.42
S-V	4.13	2.91
T-W	4.15	1.20
U-V	3.98	2.26

*MEASURED ALONG CURVE



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.01	2.40
A-C	3.43	4.66
B D	4.99	3.41
C-D	5.78	1.90
C-E	2.88	4.51
D-F	4.59	2.83
E-F	7.52	1.46
E-H	3.93	11.45
F-I	6.02	7.31
G-J	6.19	0.81
H-I	5.91	1.69
H-K	3.57	1.12
I-L	5.04	0.40
J-M	5.24	0.38
K-L	5.19	1.54
K-N	4.97	7.24
L-O	6.83	6.00
M-P	7.09	0.99
N-O	5.26	0.57
N-Q	4.12	0.73
O-R	5.90	0.85
P-S	6.16	0.97
Q-R	6.27	0.80
Q-T	3.73	3.22
R-U	5.38	2.04
T U	5.07	0.79
T-V	4.56	3.07
U-W	5.00	2.00
V-W	5.00	0.00

	STATION	OFFSET	ELEVATION
A	21+51.42	51.11' RT	(788.97)
B	21+46.91	53.29' RT	(788.85)
C	21+50.45	47.82' RT	789.13
D	21+44.75	48.79' RT	789.02
E	21+50.26	44.95' RT	789.26
F	21+42.75	44.66' RT	789.15
G	21+41.30	44.03' RT	(788.65)
H	21+50.95	41.08' RT	788.81
I	21+45.34	39.23' RT	788.71
J	21+43.97	38.44' RT	(788.70)
K	21+52.50	37.86' RT	788.77
L	21+48.14	35.04' RT	788.69
M	21+46.88	34.08' RT	(788.68)
N	21+55.90	34.23' RT	789.13
O	21+52.76	30.01' RT	789.10
P	21+51.68	28.86' RT	788.61
Q	21+59.53	32.29' RT	789.10
R	21+57.42	26.39' RT	789.05
S	21+56.54	25.07' RT	(788.55)
T	21+63.18	31.51' RT	788.98
U	21+62.80	26.45' RT	788.94
V	21+67.74	31.51' RT	(788.84)
W	21+67.80	26.51' RT	(788.84)

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPNTDRVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOT TIME: 3:58:00 PM
MODEL NAME: Default
ILL NAME: pw://ps-pw.bentley.com:pw-cs-wv01/Documents/Projects/24-0003 - IDOT 211 Item 2 Various Phase I //004 - IL 25 (I-90 to Page Ave)/SD_Design/CAD/P-C/Sheets/0105125-sht-ADA-C3.dgn
PLOT TIVE: STIMES
PAGE NAME: $SHEETNAME$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

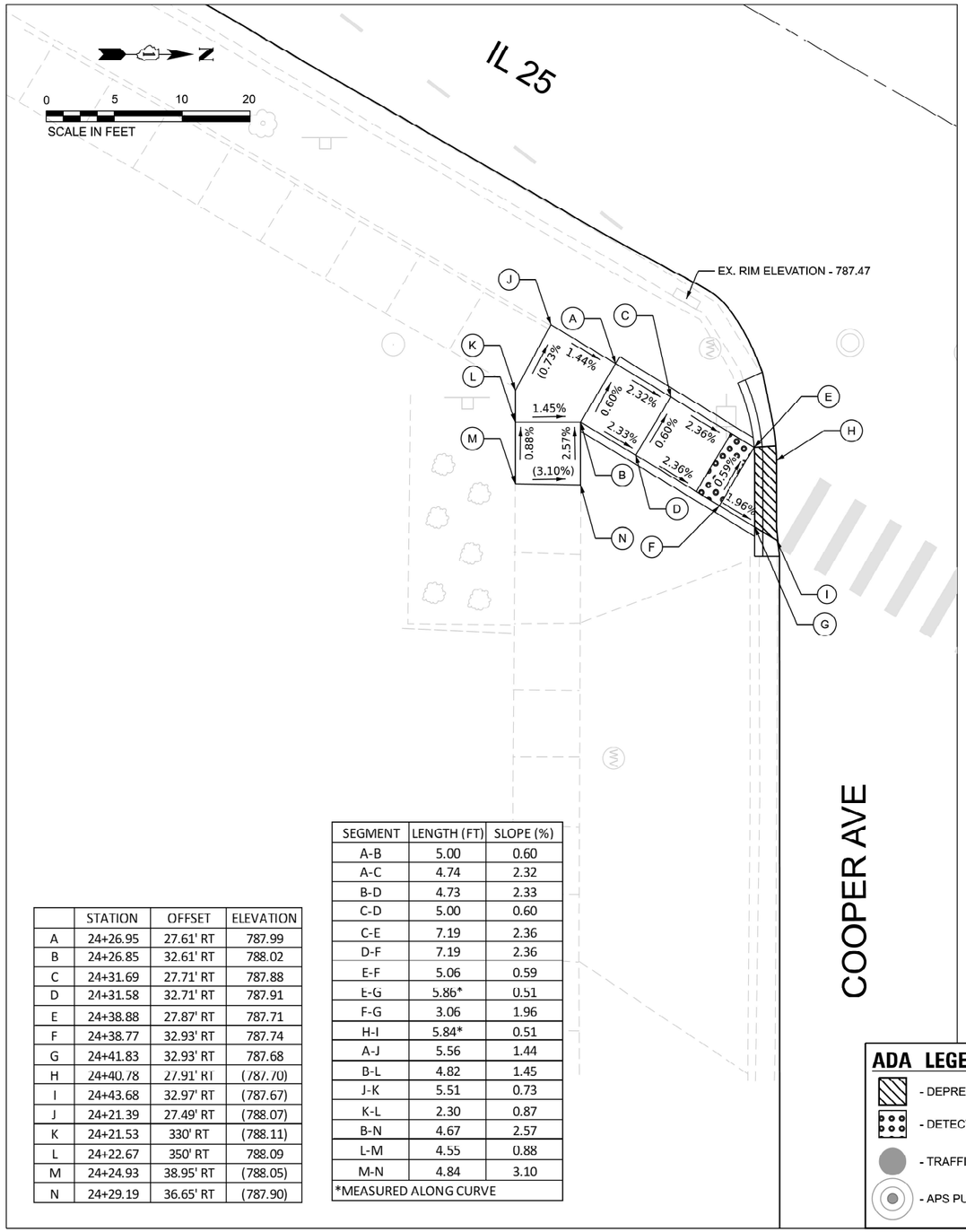
PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
SOUTHBOUND IL ROUTE 25 AT PAGE AVE

SCALE: 1" = 5' | SHEET 3 OF 24 SHEETS | STA. TO STA.

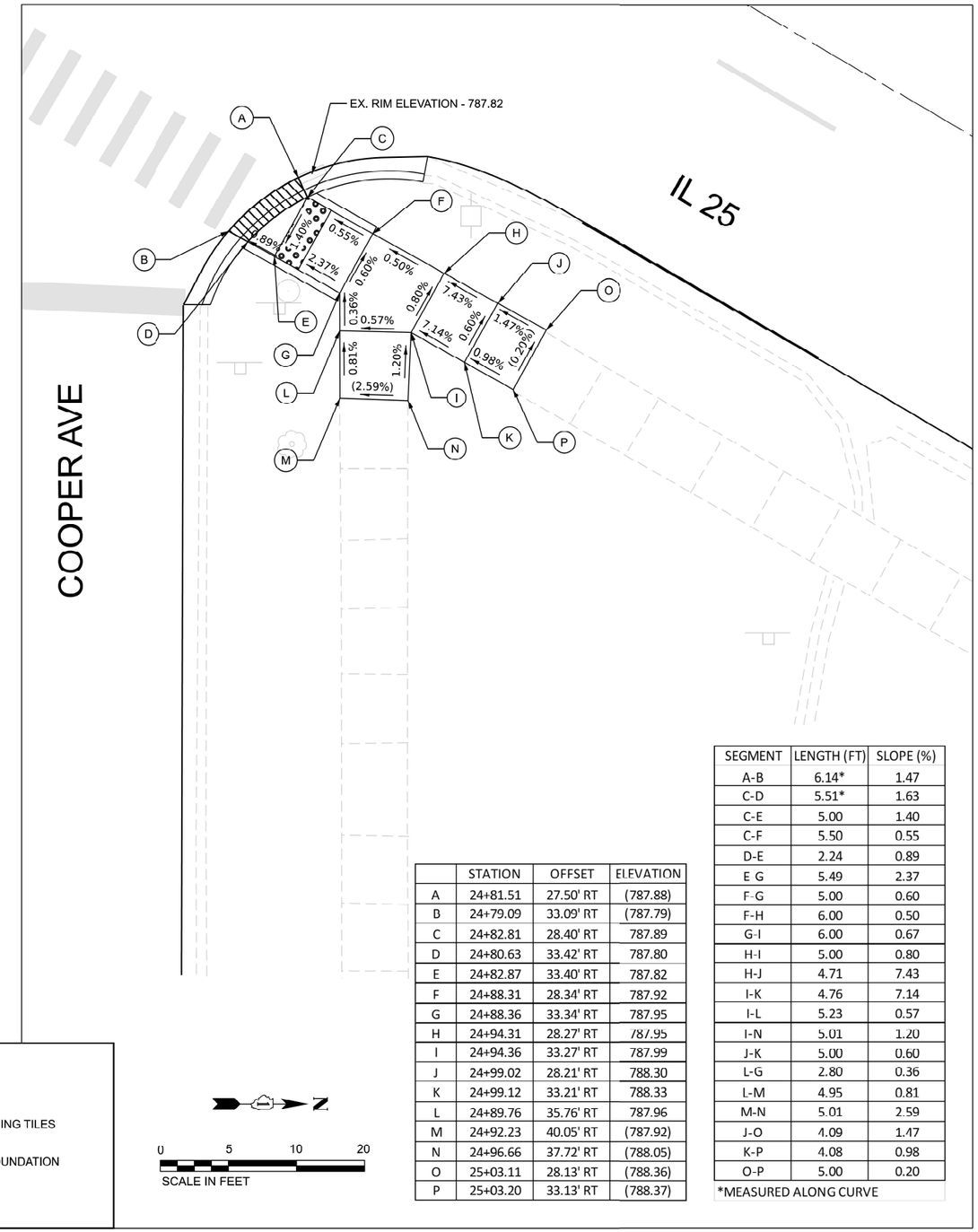
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	30
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



	STATION	OFFSET	ELEVATION
A	24+26.95	27.61' RT	787.99
B	24+26.85	32.61' RT	788.02
C	24+31.69	27.71' RT	787.88
D	24+31.58	32.71' RT	787.91
E	24+38.88	27.87' RT	787.71
F	24+38.77	32.93' RT	787.74
G	24+41.83	32.93' RT	787.68
H	24+40.78	27.91' RT	(787.70)
I	24+43.68	32.97' RT	(787.67)
J	24+21.39	27.49' RT	(788.07)
K	24+21.53	330' RT	(788.11)
L	24+22.67	350' RT	788.09
M	24+24.93	38.95' RT	(788.05)
N	24+29.19	36.65' RT	(787.90)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	0.60
A-C	4.74	2.32
B-D	4.73	2.33
C-D	5.00	0.60
C-E	7.19	2.36
D-F	7.19	2.36
E-F	5.06	0.59
E-G	5.86*	0.51
F-G	3.06	1.96
H-I	5.84*	0.51
A-J	5.56	1.44
B-L	4.82	1.45
J-K	5.51	0.73
K-L	2.30	0.87
B-N	4.67	2.57
L-M	4.55	0.88
M-N	4.84	3.10

*MEASURED ALONG CURVE



	STATION	OFFSET	ELEVATION
A	24+81.51	27.50' RT	(787.88)
B	24+79.09	33.09' RT	(787.79)
C	24+82.81	28.40' RT	787.89
D	24+80.63	33.42' RT	787.80
E	24+82.87	33.40' RT	787.82
F	24+88.31	28.34' RT	787.92
G	24+88.36	33.34' RT	787.95
H	24+94.31	28.27' RT	787.95
I	24+94.36	33.27' RT	787.99
J	24+99.02	28.21' RT	788.30
K	24+99.12	33.21' RT	788.33
L	24+89.76	35.76' RT	787.96
M	24+92.23	40.05' RT	(787.92)
N	24+96.66	37.72' RT	(788.05)
O	25+03.11	28.13' RT	(788.36)
P	25+03.20	33.13' RT	(788.37)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	6.14*	1.47
C-D	5.51*	1.63
C-E	5.00	1.40
C-F	5.50	0.55
D-E	2.24	0.89
E-G	5.49	2.37
F-G	5.00	0.60
F-H	6.00	0.50
G-I	6.00	0.67
H-I	5.00	0.80
H-J	4.71	7.43
I-K	4.76	7.14
I-L	5.23	0.57
I-N	5.01	1.20
J-K	5.00	0.60
L-G	2.80	0.36
L-M	4.95	0.81
M-N	5.01	2.59
J-O	4.09	1.47
K-P	4.08	0.98
O-P	5.00	0.20

*MEASURED ALONG CURVE

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPNTDRVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025 PLOT TIME: 5TIMES
PLOT BY: DUSTIN JAMES
MODEL NAME: Default
FILE NAME: pw://jpc-pw.bentley.com:jpc-csw01/Documents.Projects/24-0003 - IDOT 211 Item 2 Various Phase I//004 - IL 25 (J90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-ADA-04.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

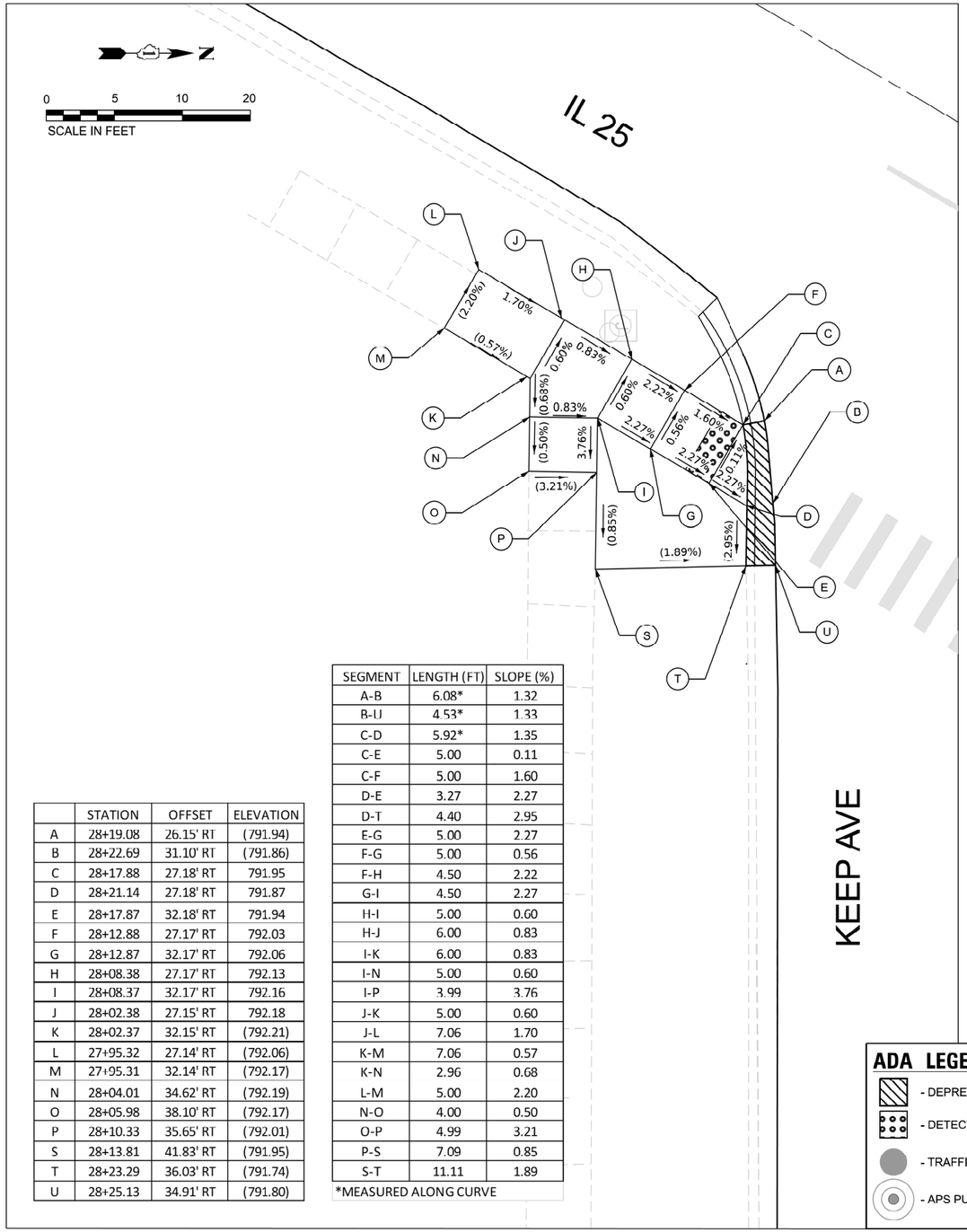
ADA CURB RAMP DETAILS
SOUTHBOUND IL ROUTE 25 AT COOPER AVE

SCALE: 1" = 5' | SHEET 4 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	31

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



	STATION	OFFSET	ELEVATION
A	28+19.08	26.15' RT	(791.94)
B	28+22.69	31.10' RT	(791.86)
C	28+17.88	27.18' RT	791.95
D	28+21.14	27.18' RT	791.87
E	28+17.87	32.18' RT	791.94
F	28+12.88	27.17' RT	792.03
G	28+12.87	32.17' RT	792.06
H	28+08.38	27.17' RT	792.13
I	28+08.37	32.17' RT	792.16
J	28+02.38	27.15' RT	792.18
K	28+02.37	32.15' RT	(792.21)
L	27+95.32	27.14' RT	(792.06)
M	27+95.31	32.14' RT	(792.17)
N	28+04.01	34.62' RT	(792.19)
O	28+05.98	38.10' RT	(792.17)
P	28+10.33	35.65' RT	(792.01)
S	28+13.81	41.83' RT	(791.95)
T	28+23.29	36.03' RT	(791.74)
U	28+25.13	34.91' RT	(791.80)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	6.08*	1.32
B-U	4.53*	1.33
C-D	5.92*	1.35
C-E	5.00	0.11
C-F	5.00	1.60
D-E	3.27	2.27
D-T	4.40	2.95
E-G	5.00	2.27
F-G	5.00	0.56
F-H	4.50	2.22
G-I	4.50	2.27
H-I	5.00	0.60
H-J	6.00	0.83
I-K	6.00	0.83
I-N	5.00	0.60
I-P	3.99	3.76
J-K	5.00	0.60
J-L	7.06	1.70
K-M	7.06	0.57
K-N	2.96	0.68
L-M	5.00	2.20
N-O	4.00	0.50
O-P	4.99	3.21
P-S	7.09	0.85
S-T	11.11	1.89

*MEASURED ALONG CURVE

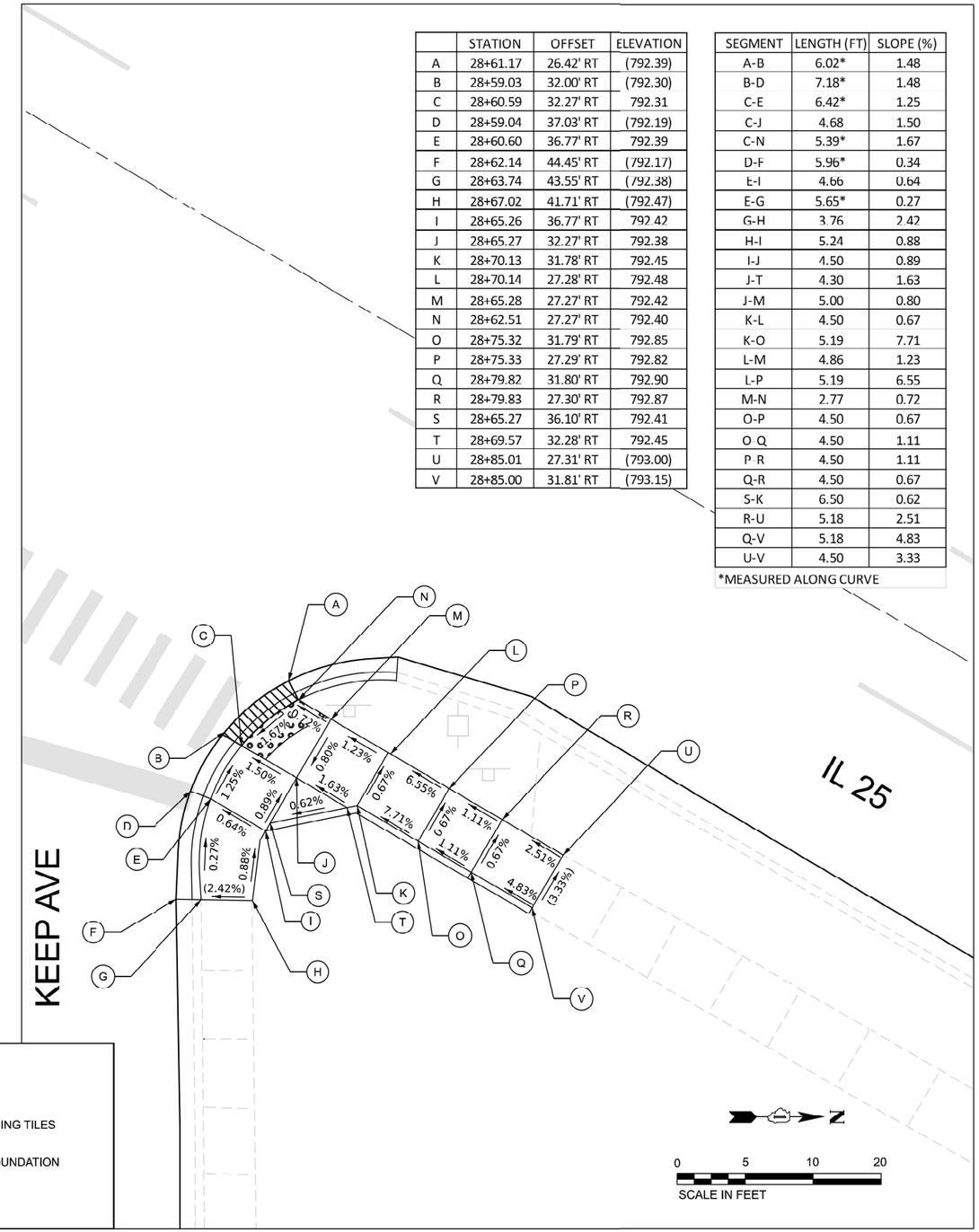
ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

	STATION	OFFSET	ELEVATION
A	28+61.17	26.42' RT	(792.39)
B	28+59.03	32.00' RT	(792.30)
C	28+60.59	32.27' RT	792.31
D	28+59.04	37.03' RT	(792.19)
E	28+60.60	36.77' RT	792.39
F	28+62.14	44.45' RT	(792.17)
G	28+63.74	43.55' RT	(792.38)
H	28+67.02	41.71' RT	(792.47)
I	28+65.26	36.77' RT	792.42
J	28+65.27	32.27' RT	792.38
K	28+70.13	31.78' RT	792.45
L	28+70.14	27.28' RT	792.48
M	28+65.28	27.27' RT	792.42
N	28+62.51	27.27' RT	792.40
O	28+75.32	31.79' RT	792.85
P	28+75.33	27.29' RT	792.82
Q	28+79.82	31.80' RT	792.90
R	28+79.83	27.30' RT	792.87
S	28+65.27	36.10' RT	792.41
T	28+69.57	32.28' RT	792.45
U	28+85.01	27.31' RT	(793.00)
V	28+85.00	31.81' RT	(793.15)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	6.02*	1.48
B-D	7.18*	1.48
C-E	6.42*	1.25
C-J	4.68	1.50
C-N	5.39*	1.67
D-F	5.96*	0.34
E-I	4.66	0.64
E-G	5.65*	0.27
G-H	3.76	2.42
H-I	5.24	0.88
I-J	4.50	0.89
J-T	4.30	1.63
J-M	5.00	0.80
K-L	4.50	0.67
K-O	5.19	7.71
L-M	4.86	1.23
L-P	5.19	6.55
M-N	2.77	0.72
O-P	4.50	0.67
O-Q	4.50	1.11
P-R	4.50	1.11
Q-R	4.50	0.67
S-K	6.50	0.62
R-U	5.18	2.51
Q-V	5.18	4.83
U-V	4.50	3.33

*MEASURED ALONG CURVE



USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

Peralte-Clark LLC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
SOUTHBOUND IL ROUTE 25 AT KEEP AVE

SCALE: 1" = 5' | SHEET 5 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	32

CONTRACT NO. 62X59

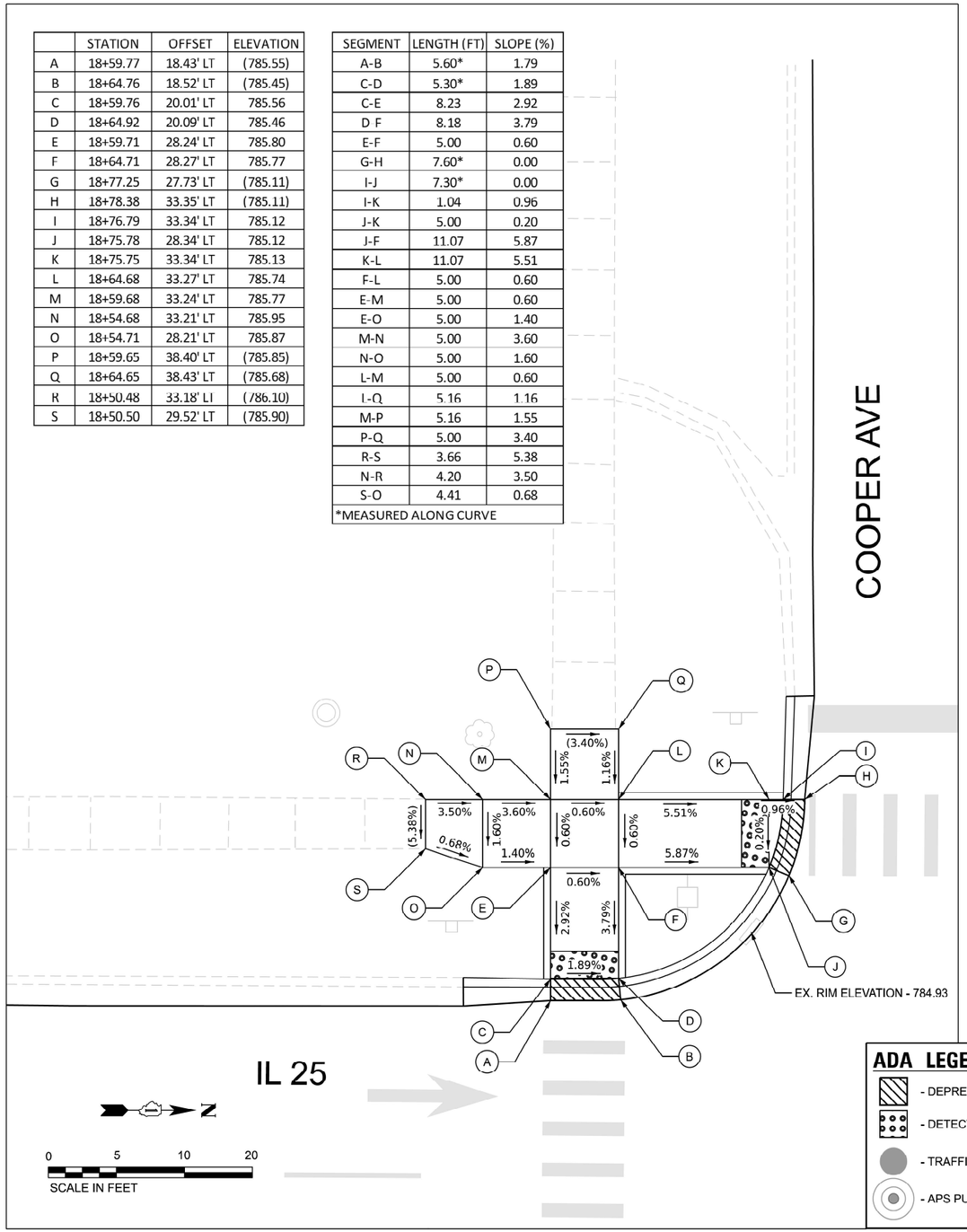
ILLINOIS | FED. AID PROJECT

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

PLOT DRIVER: EPLOTDRV.LS
PENTABLE: SPENTBL.LS
PLOT DATE: 4/22/2025 PLOT TIME: $TIMES
PLOT TYPE: SSCANWMS
MODEL NAME: 2d-built
FILE NAME: pw://pc-pw.bentley.com:pc-aw-02/Documents/Project/24-C003-IDOT 211 Item 2 Various Phase II/004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-IH-ADA-05.dgn

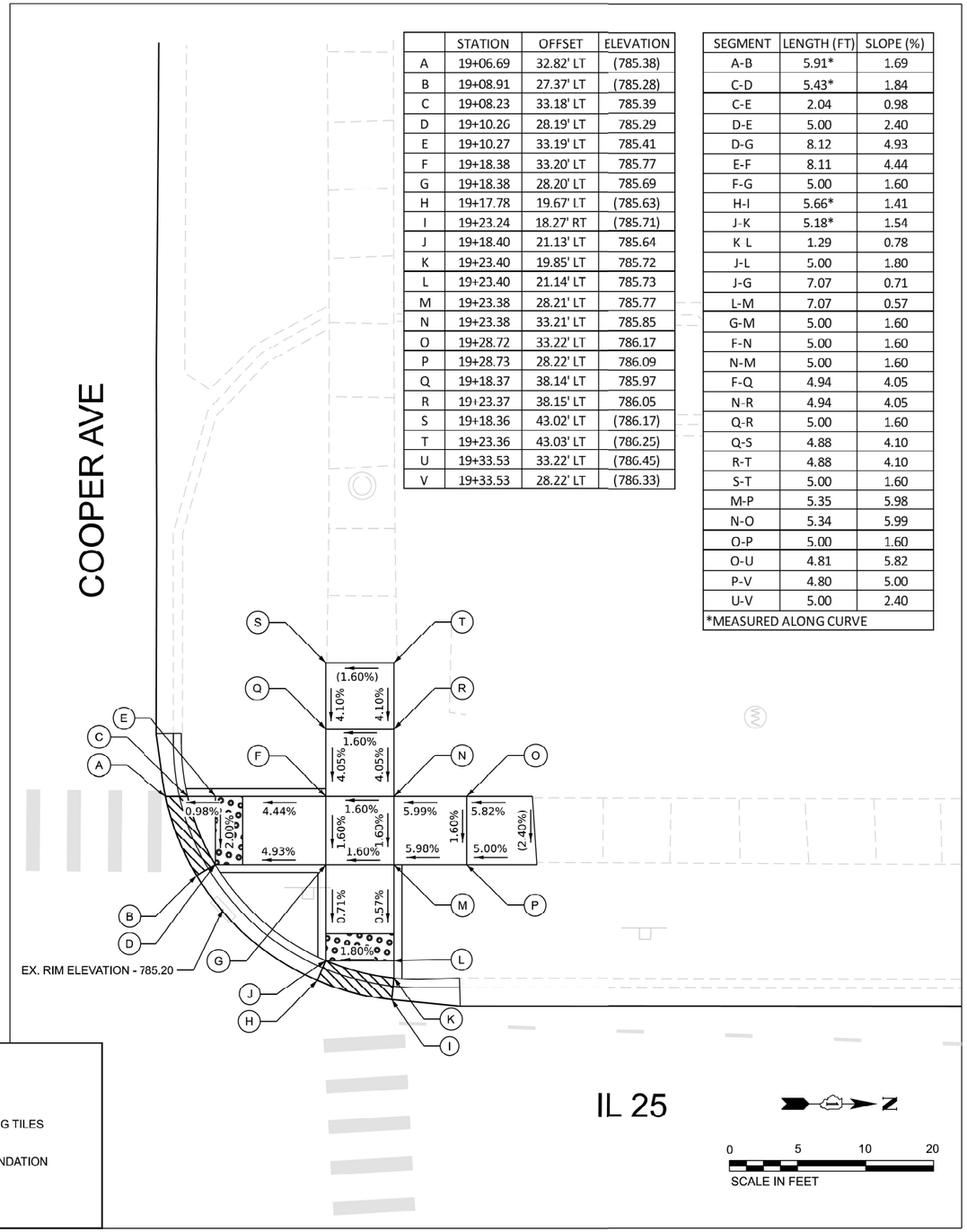
	STATION	OFFSET	ELEVATION
A	18+59.77	18.43' LT	(785.55)
B	18+64.76	18.52' LT	(785.45)
C	18+59.76	20.01' LT	785.56
D	18+64.92	20.09' LT	785.46
E	18+59.71	28.24' LT	785.80
F	18+64.71	28.27' LT	785.77
G	18+77.25	27.73' LT	(785.11)
H	18+78.38	33.35' LT	(785.11)
I	18+76.79	33.34' LT	785.12
J	18+75.78	28.34' LT	785.12
K	18+75.75	33.34' LT	785.13
L	18+64.68	33.27' LT	785.74
M	18+59.68	33.24' LT	785.77
N	18+54.68	33.21' LT	785.95
O	18+54.71	28.21' LT	785.87
P	18+59.65	38.40' LT	(785.85)
Q	18+64.65	38.43' LT	(785.68)
R	18+50.48	33.18' LT	(786.10)
S	18+50.50	29.52' LT	(785.90)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.60*	1.79
C-D	5.30*	1.89
C-E	8.23	2.92
D F	8.18	3.79
E-F	5.00	0.60
G-H	7.60*	0.00
I-J	7.30*	0.00
I-K	1.04	0.96
J-K	5.00	0.20
J-F	11.07	5.87
K-L	11.07	5.51
F-L	5.00	0.60
E-M	5.00	0.60
E-O	5.00	1.40
M-N	5.00	3.60
N-O	5.00	1.60
L-M	5.00	0.60
I-Q	5.16	1.16
M-P	5.16	1.55
P-Q	5.00	3.40
R-S	3.66	5.38
N-R	4.20	3.50
S-O	4.41	0.68
*MEASURED ALONG CURVE		



	STATION	OFFSET	ELEVATION
A	19+06.69	32.82' LT	(785.38)
B	19+08.91	27.37' LT	(785.28)
C	19+08.23	33.18' LT	785.39
D	19+10.26	28.19' LT	785.29
E	19+10.27	33.19' LT	785.41
F	19+18.38	33.20' LT	785.77
G	19+18.38	28.20' LT	785.69
H	19+17.78	19.67' LT	(785.63)
I	19+23.24	18.27' RT	(785.71)
J	19+18.40	21.13' LT	785.64
K	19+23.40	19.85' LT	785.72
L	19+23.40	21.14' LT	785.73
M	19+23.38	28.21' LT	785.77
N	19+23.38	33.21' LT	785.85
O	19+28.72	33.22' LT	786.17
P	19+28.73	28.22' LT	786.09
Q	19+18.37	38.14' LT	785.97
R	19+23.37	38.15' LT	786.05
S	19+18.36	43.02' LT	(786.17)
T	19+23.36	43.03' LT	(786.25)
U	19+33.53	33.22' LT	(786.45)
V	19+33.53	28.22' LT	(786.33)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.91*	1.69
C-D	5.43*	1.84
C-E	2.04	0.98
D-E	5.00	2.40
D-G	8.12	4.93
E-F	8.11	4.44
F-G	5.00	1.60
H-I	5.66*	1.41
J-K	5.18*	1.54
K L	1.29	0.78
J-L	5.00	1.80
J-G	7.07	0.71
L-M	7.07	0.57
G-M	5.00	1.60
F-N	5.00	1.60
N-M	5.00	1.60
F-Q	4.94	4.05
N-R	4.94	4.05
Q-R	5.00	1.60
Q-S	4.88	4.10
R-T	4.88	4.10
S-T	5.00	1.60
M-P	5.35	5.98
N-O	5.34	5.99
O-P	5.00	1.60
O-U	4.81	5.82
P-V	4.80	5.00
U-V	5.00	2.40
*MEASURED ALONG CURVE		



ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SDTDRIVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOT TYPE: CSDSNAMES
MODEL NAME: 2dcalit
FILE NAME: pw://p-c-pw.bentley.com:p-c-pw02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/D105125-sht-ADA-06.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

Peralte-Clark LLC

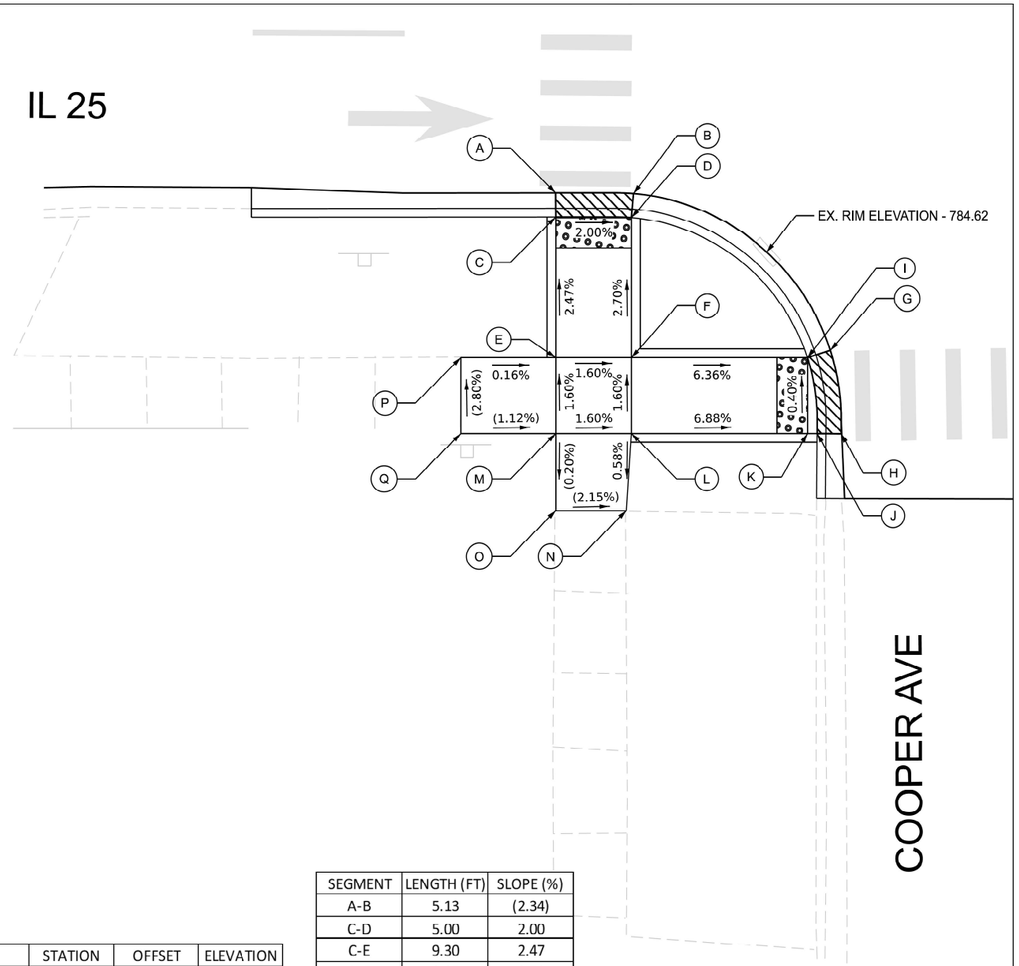
USER NAME = brandon.dengel	DESIGNED -	MGT, NJL, BJD	REVISED -		
	DRAWN -	MGT, NJL, BJD	REVISED -		
PLOT SCALE = 10.000 ' / in.	CHECKED -	MJJ, BT, CMP	REVISED -		
PLOT DATE = 4/22/2025	DATE -	4/1/2025	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
NORTHBOUND IL ROUTE 25 AT COOPER AVE

SCALE: 1" = 5' | SHEET 6 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	33
		CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	18+60.23	15.94' RT	(785.27)
B	18+65.36	15.96' RT	(785.15)
C	18+60.24	17.52' RT	785.28
D	18+65.24	17.54' RT	785.18
E	18+60.30	26.82' RT	785.51
F	18+65.30	26.79' RT	785.43
G	18+78.43	26.23' RT	(784.68)
H	18+79.18	31.72' RT	(784.69)
I	18+76.93	26.72' RT	784.69
J	18+77.60	31.72' RT	784.70
K	18+76.96	31.72' RT	784.71
L	18+65.33	31.79' RT	785.51
M	18+60.33	31.82' RT	(785.59)
N	18+65.02	36.91' RT	(785.48)
O	18+60.36	36.94' RT	(785.58)
P	18+54.03	26.86' RT	(785.52)
Q	18+54.06	31.86' RT	(785.66)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.13	(2.34)
C-D	5.00	2.00
C-E	9.30	2.47
D-F	9.25	2.70
E-F	5.00	1.60
G-H	5.54	(.18)
I-J	5.04	0.20
J-K	0.64	1.56
I-K	5.00	0.40
I-F	11.63	6.36
K-L	11.63	6.88
F-L	5.00	1.60
E-M	5.00	1.60
L-M	5.00	1.60
L-N	5.13	(.58)
M-O	5.12	(.20)
N-O	4.66	(2.15)
E-P	6.27	0.16
M-Q	6.27	(1.12)
P-Q	5.00	(2.80)

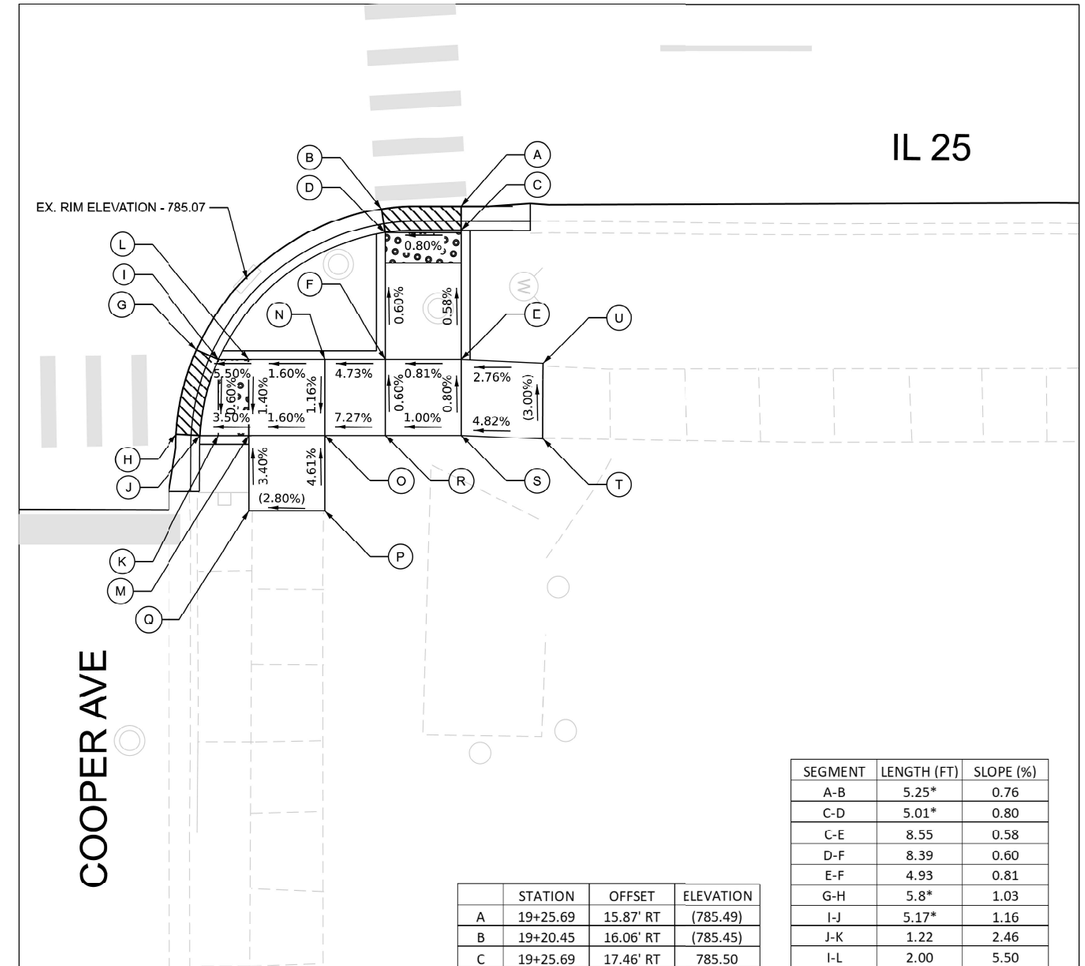
N

0 5 10 20

SCALE IN FEET

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON



	STATION	OFFSET	ELEVATION
A	19+25.69	15.87' RT	(785.49)
B	19+20.45	16.06' RT	(785.45)
C	19+25.69	17.46' RT	785.50
D	19+20.69	17.62' RT	785.46
E	19+25.67	26.01' RT	785.55
F	19+20.74	26.01' RT	785.51
G	19+08.26	25.39' RT	(785.12)
H	19+06.92	30.94' RT	(785.06)
I	19+09.71	26.03' RT	785.13
J	19+08.50	31.03' RT	785.07
K	19+09.72	31.03' RT	785.10
L	19+11.71	26.03' RT	785.24
M	19+11.72	31.03' RT	785.17
N	19+16.72	26.02' RT	785.32
O	19+16.72	31.03' RT	785.25
P	19+16.73	36.02' RT	785.48
Q	19+11.73	36.03' RT	(785.34)
R	19+20.71	31.01' RT	(785.54)
S	19+25.71	31.01' RT	785.59
T	19+31.10	31.24' RT	(785.85)
U	19+31.10	26.24' RT	(785.70)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.25*	0.76
C-D	5.01*	0.80
C-E	8.55	0.58
D-F	8.39	0.60
E-F	4.93	0.81
G-H	5.8*	1.03
I-J	5.17*	1.16
J-K	1.22	2.46
I-L	2.00	5.50
I-K	5.00	0.60
K-M	2.00	3.50
L-M	5.00	1.40
L-N	5.01	1.60
M-O	5.00	1.60
M-Q	5.00	3.40
O-P	4.99	4.61
P-Q	5.00	2.80
N-O	5.01	1.40
N-F	4.02	4.73
O-R	3.99	7.27
F-R	5.00	0.60
R-S	5.00	1.00
E-S	5.00	0.80
E-U	5.43	2.76
S-T	5.39	4.82
T-U	5.00	3.00

*MEASURED ALONG CURVE

N

0 5 10 20

SCALE IN FEET

PLOT DRIVER: SPLTDRIVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025 PLOT TIME: 5TIMES
PLOTTED BY: $USERNAME$
MODEL NAME: Default
FILE NAME: pw://ps-pw.bentley.com:ps-swdt/Documents/Projects/24-0033-IDOT 211 Item 2 Various Phase I/004- IL 25 (J90 to Page Ave)/50_Design/CAD/P-C/sheets/0105125-sht-4DA-07.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
NORTHBOUND IL ROUTE 25 AT COOPER AVE

SCALE: 1" = 5' | SHEET 7 OF 24 SHEETS | STA. TO STA.

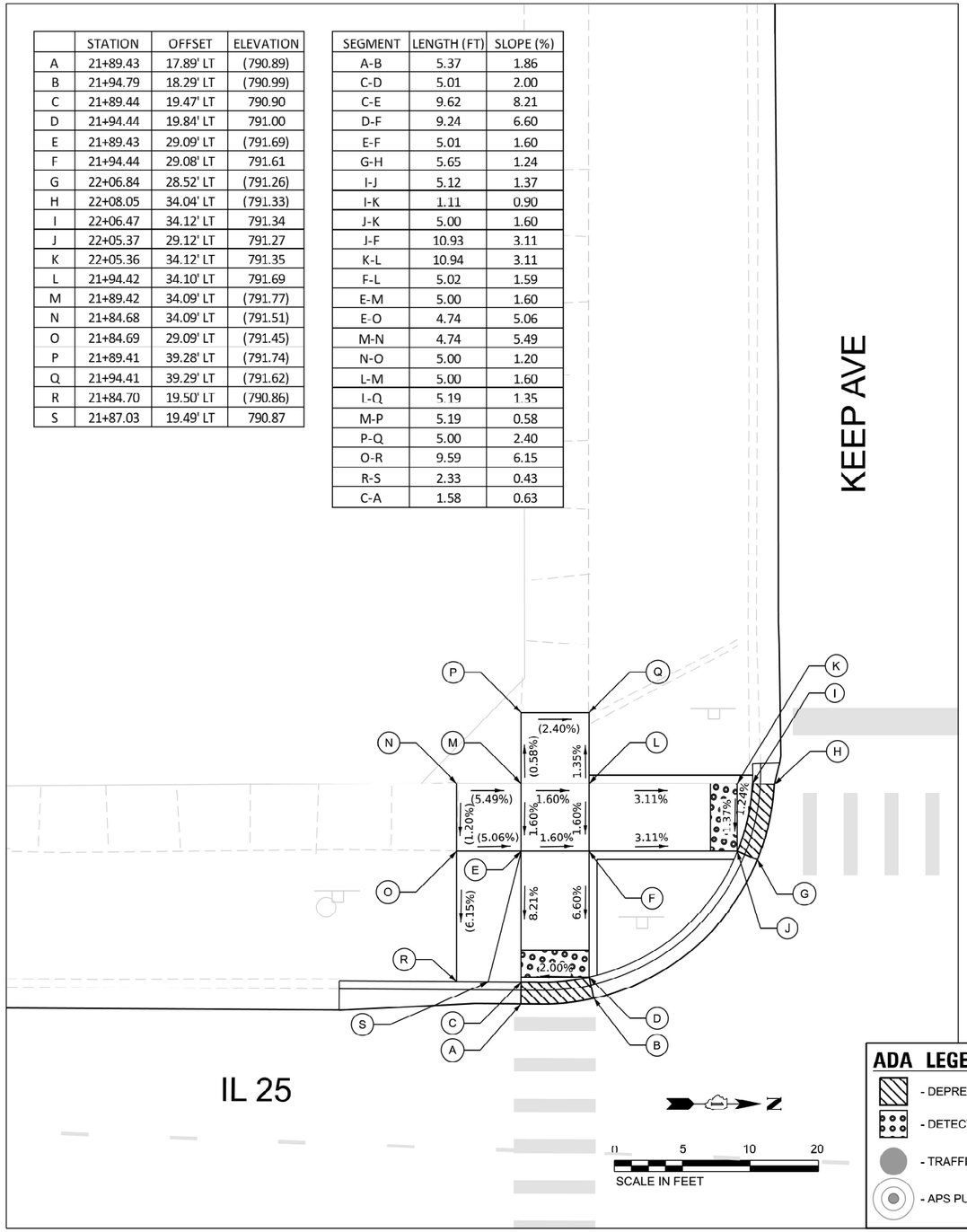
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	34

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT

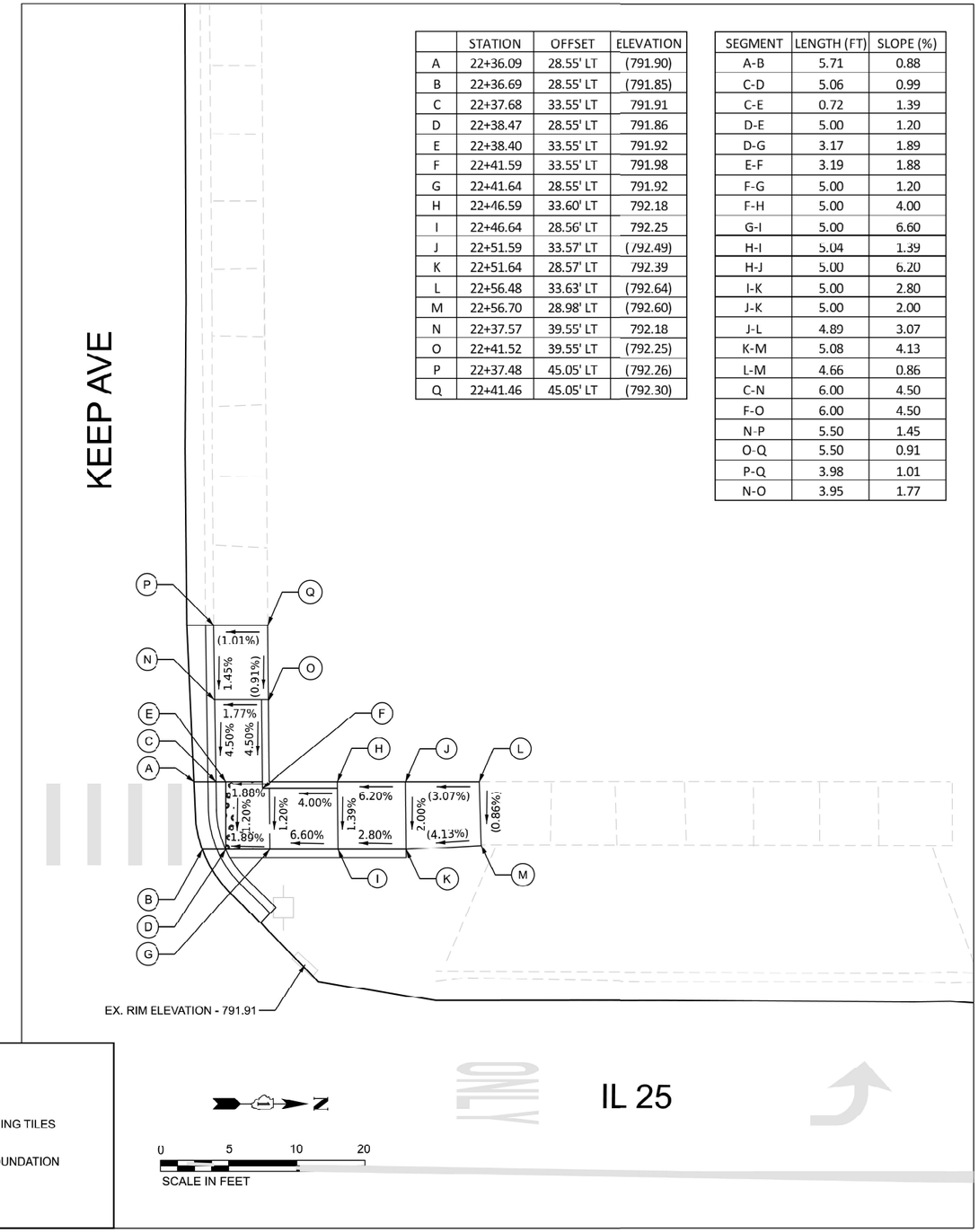
	STATION	OFFSET	ELEVATION
A	21+89.43	17.89' LT	(790.89)
B	21+94.79	18.29' LT	(790.99)
C	21+89.44	19.47' LT	790.90
D	21+94.44	19.84' LT	791.00
E	21+89.43	29.09' LT	(791.69)
F	21+94.44	29.08' LT	791.61
G	22+06.84	28.52' LT	(791.26)
H	22+08.05	34.04' LT	(791.33)
I	22+06.47	34.12' LT	791.34
J	22+05.37	29.12' LT	791.27
K	22+05.36	34.12' LT	791.35
L	21+94.42	34.10' LT	791.69
M	21+89.42	34.09' LT	(791.77)
N	21+84.68	34.09' LT	(791.51)
O	21+84.69	29.09' LT	(791.45)
P	21+89.41	39.28' LT	(791.74)
Q	21+94.41	39.29' LT	(791.62)
R	21+84.70	19.50' LT	(790.86)
S	21+87.03	19.49' LT	790.87

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.37	1.86
C-D	5.01	2.00
C-E	9.62	8.21
D-F	9.24	6.60
E-F	5.01	1.60
G-H	5.65	1.24
I-J	5.12	1.37
I-K	1.11	0.90
J-K	5.00	1.60
J-F	10.93	3.11
K-L	10.94	3.11
F-L	5.02	1.59
E-M	5.00	1.60
E-O	4.74	5.06
M-N	4.74	5.49
N-O	5.00	1.20
L-M	5.00	1.60
I-Q	5.19	1.35
M-P	5.19	0.58
P-Q	5.00	2.40
O-R	9.59	6.15
R-S	2.33	0.43
C-A	1.58	0.63



	STATION	OFFSET	ELEVATION
A	22+36.09	28.55' LT	(791.90)
B	22+36.69	28.55' LT	(791.85)
C	22+37.68	33.55' LT	791.91
D	22+38.47	28.55' LT	791.86
E	22+38.40	33.55' LT	791.92
F	22+41.59	33.55' LT	791.98
G	22+41.64	28.55' LT	791.92
H	22+46.59	33.60' LT	792.18
I	22+46.64	28.56' LT	792.25
J	22+51.59	33.57' LT	(792.49)
K	22+51.64	28.57' LT	792.39
L	22+56.48	33.63' LT	(792.64)
M	22+56.70	28.98' LT	(792.60)
N	22+37.57	39.55' LT	792.18
O	22+41.52	39.55' LT	(792.25)
P	22+37.48	45.05' LT	(792.26)
Q	22+41.46	45.05' LT	(792.30)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.71	0.88
C-D	5.06	0.99
C-E	0.72	1.39
D-E	5.00	1.20
D-G	3.17	1.89
E-F	3.19	1.88
F-G	5.00	1.20
F-H	5.00	4.00
G-I	5.00	6.60
H-I	5.04	1.39
H-J	5.00	6.20
I-K	5.00	2.80
J-K	5.00	2.00
J-L	4.89	3.07
K-M	5.08	4.13
L-M	4.66	0.86
C-N	6.00	4.50
F-O	6.00	4.50
N-P	5.50	1.45
O-Q	5.50	0.91
P-Q	3.98	1.01
N-O	3.95	1.77



ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPKTORIALS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOTTED BY: BRANDON.NAMES
MODEL NAME: Default
FILE NAME: pw://jp-pw.bentley.com:jp-cs-ow-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I//004-IL 25 (1-90 to Page Ave)/50_Design/CADD/Sheets/0105125-sht-4DA-08.dgn
PLOT TIME: 5:11MES

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

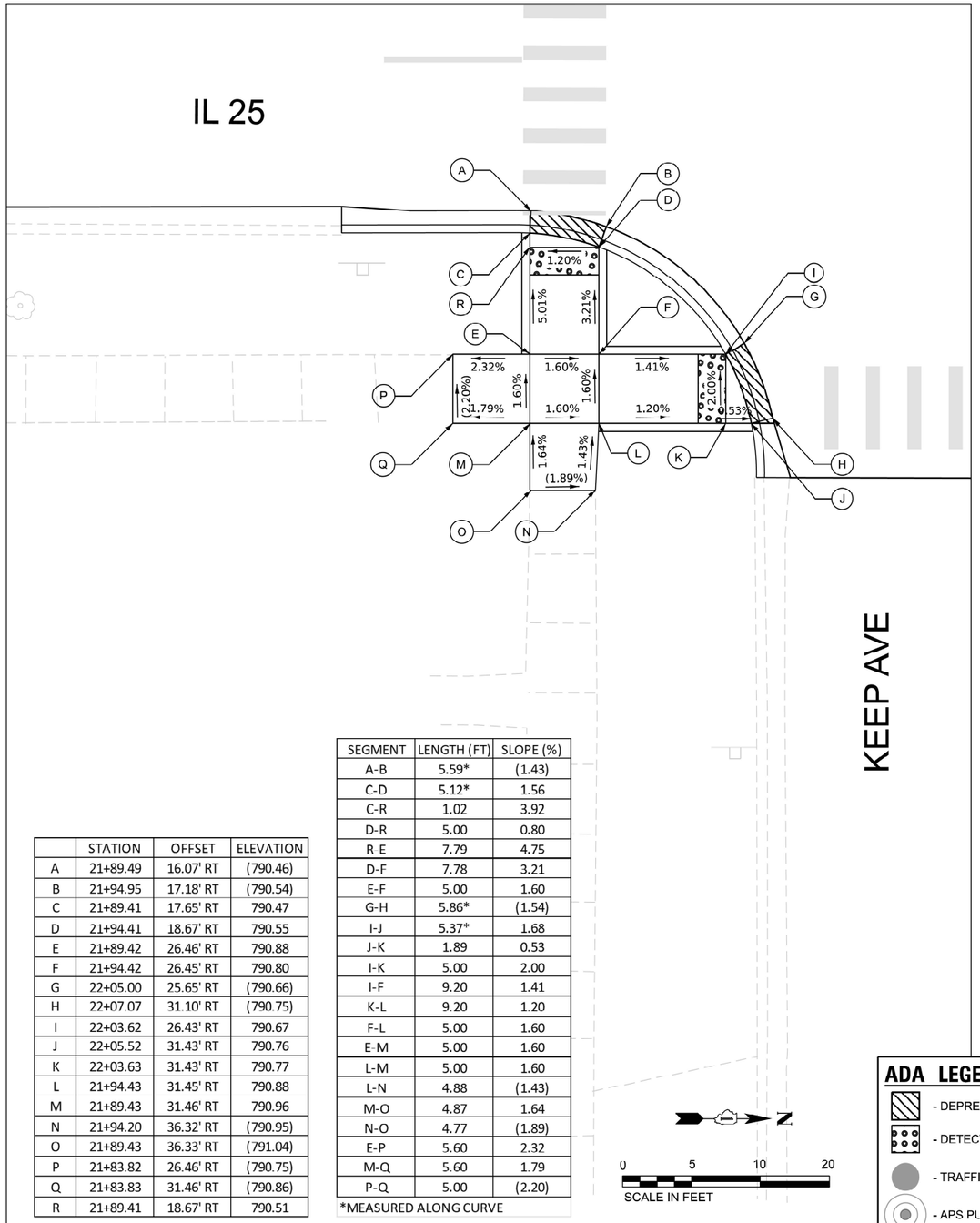
PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
NORTHBOUND IL ROUTE 25 AT KEEP AVE

SCALE: 1" = 5' | SHEET 8 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	35
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

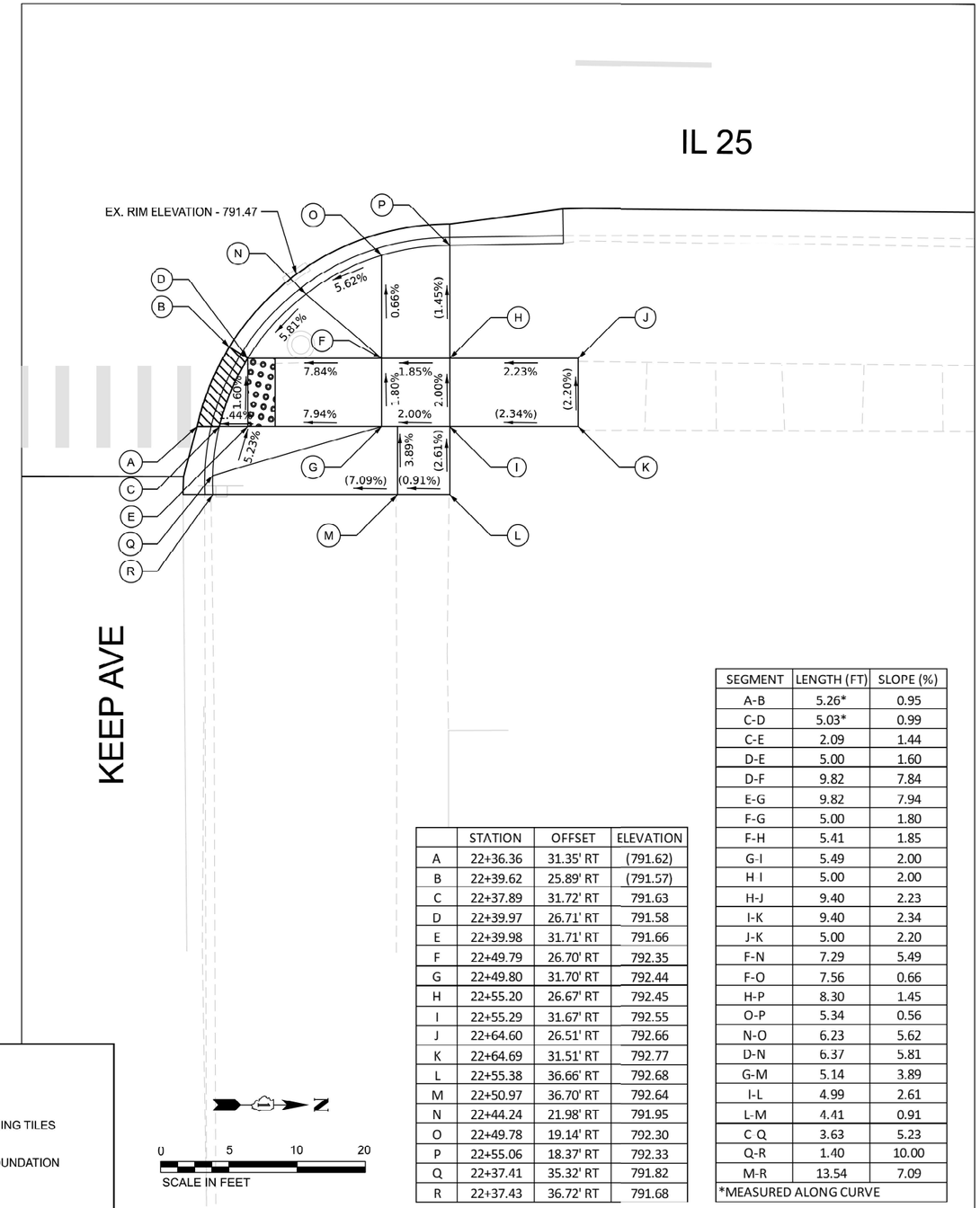


	STATION	OFFSET	ELEVATION
A	21+89.49	16.07' RT	(790.46)
B	21+94.95	17.18' RT	(790.54)
C	21+89.41	17.65' RT	790.47
D	21+94.41	18.67' RT	790.55
E	21+89.42	26.46' RT	790.88
F	21+94.42	26.45' RT	790.80
G	22+05.00	25.65' RT	(790.66)
H	22+07.07	31.10' RT	(790.75)
I	22+03.62	26.43' RT	790.67
J	22+05.52	31.43' RT	790.76
K	22+03.63	31.43' RT	790.77
L	21+94.43	31.45' RT	790.88
M	21+89.43	31.46' RT	790.96
N	21+94.20	36.32' RT	(790.95)
O	21+89.43	36.33' RT	(791.04)
P	21+83.82	26.46' RT	(790.75)
Q	21+83.83	31.46' RT	(790.86)
R	21+89.41	18.67' RT	790.51

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.59*	(1.43)
C-D	5.12*	1.56
C-R	1.02	3.92
D-R	5.00	0.80
R E	7.79	4.75
D-F	7.78	3.21
E-F	5.00	1.60
G-H	5.86*	(1.54)
I-J	5.37*	1.68
J-K	1.89	0.53
I-K	5.00	2.00
I-F	9.20	1.41
K-L	9.20	1.20
F-L	5.00	1.60
E-M	5.00	1.60
L-M	5.00	1.60
L-N	4.88	(1.43)
M-O	4.87	1.64
N-O	4.77	(1.89)
E-P	5.60	2.32
M-Q	5.60	1.79
P-Q	5.00	(2.20)

*MEASURED ALONG CURVE

0 5 10 20
SCALE IN FEET



	STATION	OFFSET	ELEVATION
A	22+36.36	31.35' RT	(791.62)
B	22+39.62	25.89' RT	(791.57)
C	22+37.89	31.72' RT	791.63
D	22+39.97	26.71' RT	791.58
E	22+39.98	31.71' RT	791.66
F	22+49.79	26.70' RT	792.35
G	22+49.80	31.70' RT	792.44
H	22+55.20	26.67' RT	792.45
I	22+55.29	31.67' RT	792.55
J	22+64.60	26.51' RT	792.66
K	22+64.69	31.51' RT	792.77
L	22+55.38	36.66' RT	792.68
M	22+50.97	36.70' RT	792.64
N	22+44.24	21.98' RT	791.95
O	22+49.78	19.14' RT	792.30
P	22+55.06	18.37' RT	792.33
Q	22+37.41	35.32' RT	791.82
R	22+37.43	36.72' RT	791.68

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.26*	0.95
C-D	5.03*	0.99
C-E	2.09	1.44
D-E	5.00	1.60
D-F	9.82	7.84
E-G	9.82	7.94
F-G	5.00	1.80
F-H	5.41	1.85
G-I	5.49	2.00
H I	5.00	2.00
H-J	9.40	2.23
I-K	9.40	2.34
J-K	5.00	2.20
F-N	7.29	5.49
F-O	7.56	0.66
H-P	8.30	1.45
O-P	5.34	0.56
N-O	6.23	5.62
D-N	6.37	5.81
G-M	5.14	3.89
I-L	4.99	2.61
L-M	4.41	0.91
C Q	3.63	5.23
Q-R	1.40	10.00
M-R	13.54	7.09

*MEASURED ALONG CURVE

0 5 10 20
SCALE IN FEET

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SSHTDRVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025 PLOT TIME: $TIMES
PLOT USER: brandon.dengel
MODEL NAME: Default
ILL NAME: pw://pw-pw.bentley.com:pw-cow-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I//004-IL 25 (I-90 to Page Ave)/SO_Design/CAD/P-C/Sheets/0105125-sht-ADA-C9.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

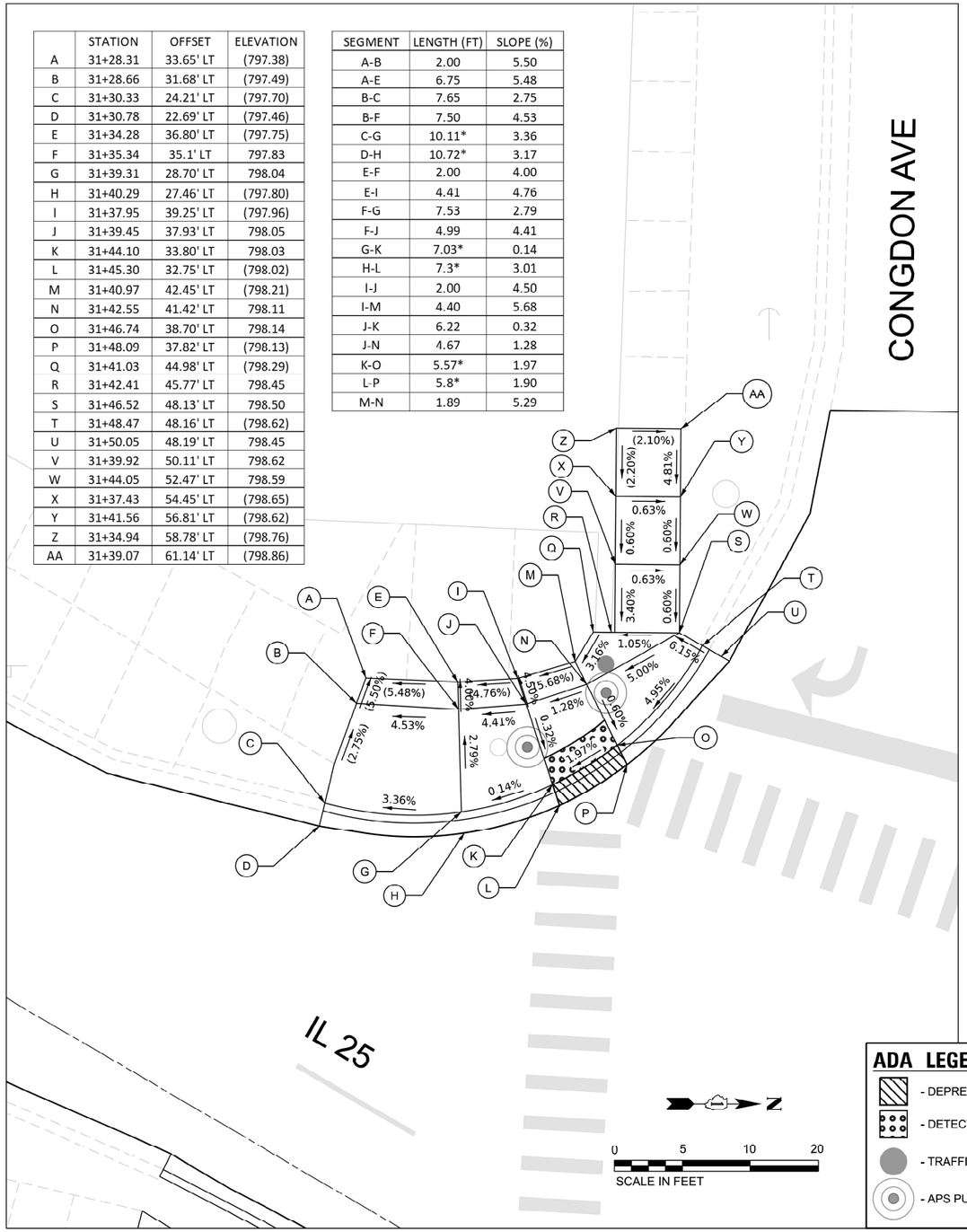
ADA CURB RAMP DETAILS
NORTHBOUND IL ROUTE 25 AT KEEP AVE

SCALE: 1" = 5' | SHEET 9 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	36
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

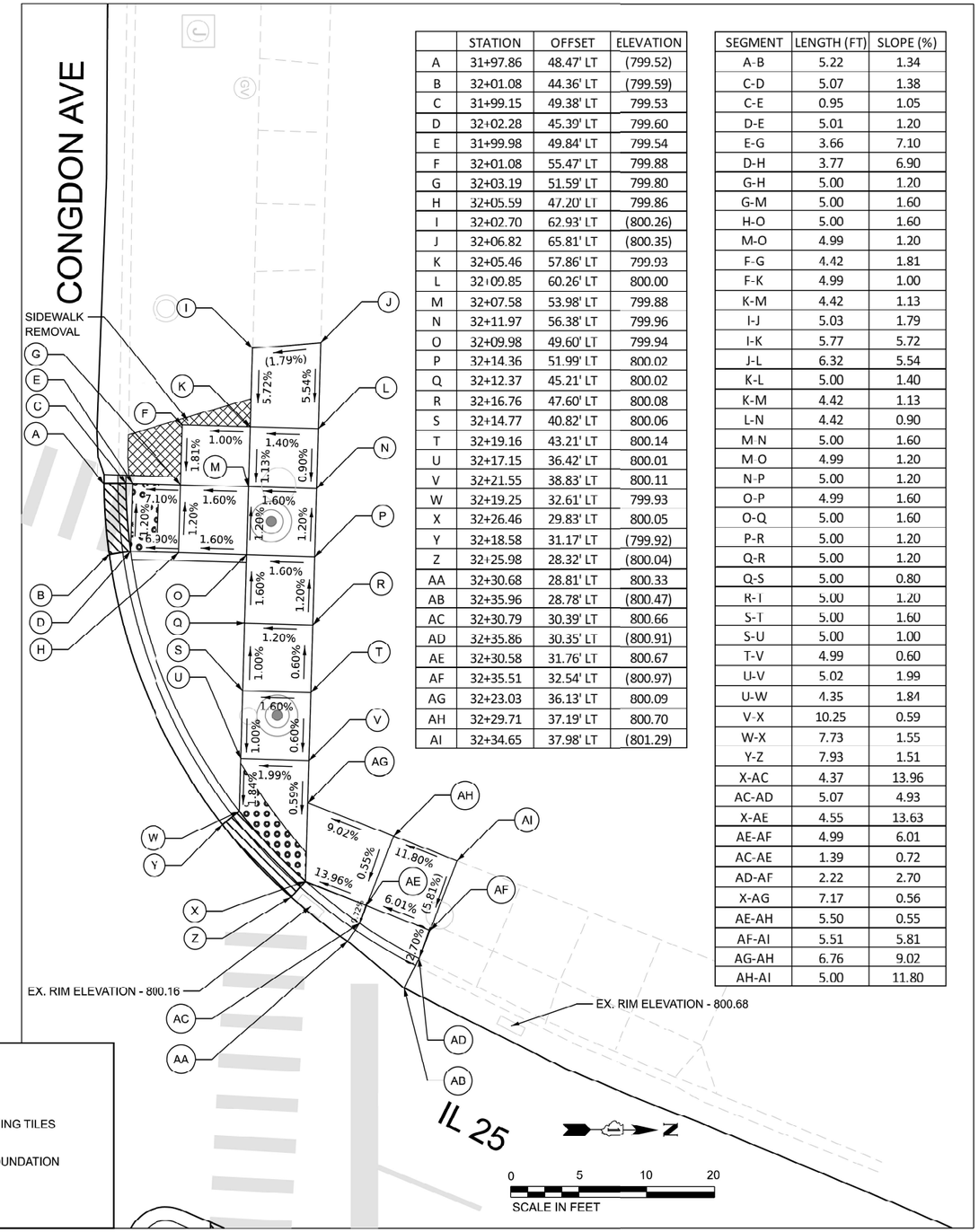
	STATION	OFFSET	ELEVATION
A	31+28.31	33.65' LT	(797.38)
B	31+28.66	31.68' LT	(797.49)
C	31+30.33	24.21' LT	(797.70)
D	31+30.78	22.69' LT	(797.46)
E	31+34.28	36.80' LT	(797.75)
F	31+35.34	35.1' LT	797.83
G	31+39.31	28.70' LT	798.04
H	31+40.29	27.46' LT	(797.80)
I	31+37.95	39.25' LT	(797.96)
J	31+39.45	37.93' LT	798.05
K	31+44.10	33.80' LT	798.03
L	31+45.30	32.75' LT	(798.02)
M	31+40.97	42.45' LT	(798.21)
N	31+42.55	41.42' LT	798.11
O	31+46.74	38.70' LT	798.14
P	31+48.09	37.82' LT	(798.13)
Q	31+41.03	44.98' LT	(798.29)
R	31+42.41	45.77' LT	798.45
S	31+46.52	48.13' LT	798.50
T	31+48.47	48.16' LT	(798.62)
U	31+50.05	48.19' LT	798.45
V	31+39.92	50.11' LT	798.62
W	31+44.05	52.47' LT	798.59
X	31+37.43	54.45' LT	(798.65)
Y	31+41.56	56.81' LT	(798.62)
Z	31+34.94	58.78' LT	(798.76)
AA	31+39.07	61.14' LT	(798.86)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	2.00	5.50
A-E	6.75	5.48
B-C	7.65	2.75
B-F	7.50	4.53
C-G	10.11*	3.36
D-H	10.72*	3.17
E-F	2.00	4.00
E-I	4.41	4.76
F-G	7.53	2.79
F-J	4.99	4.41
G-K	7.03*	0.14
H-L	7.3*	3.01
I-J	2.00	4.50
I-M	4.40	5.68
J-K	6.22	0.32
J-N	4.67	1.28
K-O	5.57*	1.97
L-P	5.8*	1.90
M-N	1.89	5.29



	STATION	OFFSET	ELEVATION
A	31+97.86	48.47' LT	(799.52)
B	32+01.08	44.36' LT	(799.59)
C	31+99.15	49.38' LT	799.53
D	32+02.28	45.39' LT	799.60
E	31+99.98	49.84' LT	799.54
F	32+01.08	55.47' LT	799.88
G	32+03.19	51.59' LT	799.80
H	32+05.59	47.20' LT	799.86
I	32+02.70	62.93' LT	(800.26)
J	32+06.82	65.81' LT	(800.35)
K	32+05.46	57.86' LT	799.93
L	32+09.85	60.26' LT	800.00
M	32+07.58	53.98' LT	799.88
N	32+11.97	56.38' LT	799.96
O	32+09.98	49.60' LT	799.94
P	32+14.36	51.99' LT	800.02
Q	32+12.37	45.21' LT	800.02
R	32+16.76	47.60' LT	800.08
S	32+14.77	40.82' LT	800.06
T	32+19.16	43.21' LT	800.14
U	32+17.15	36.42' LT	800.01
V	32+21.55	38.83' LT	800.11
W	32+19.25	32.61' LT	799.93
X	32+26.46	29.83' LT	800.05
Y	32+18.58	31.17' LT	(799.92)
Z	32+25.98	28.32' LT	(800.04)
AA	32+30.68	28.81' LT	800.33
AB	32+35.96	28.78' LT	(800.47)
AC	32+30.79	30.39' LT	800.66
AD	32+35.86	30.35' LT	(800.91)
AE	32+30.58	31.76' LT	800.67
AF	32+35.51	32.54' LT	(800.97)
AG	32+23.03	36.13' LT	800.09
AH	32+29.71	37.19' LT	800.70
AI	32+34.65	37.98' LT	(801.29)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.22	1.34
C-D	5.07	1.38
C-E	0.95	1.05
D-E	5.01	1.20
E-G	3.66	7.10
D-H	3.77	6.90
G-H	5.00	1.20
G-M	5.00	1.60
H-O	5.00	1.60
M-O	4.99	1.20
F-G	4.42	1.81
F-K	4.99	1.00
K-M	4.42	1.13
I-J	5.03	1.79
I-K	5.77	5.72
J-L	6.32	5.54
K-L	5.00	1.40
K-M	4.42	1.13
L-N	4.42	0.90
M-N	5.00	1.60
M-O	4.99	1.20
N-P	5.00	1.20
O-P	4.99	1.60
O-Q	5.00	1.60
P-R	5.00	1.20
Q-R	5.00	1.20
Q-S	5.00	0.80
R-T	5.00	1.20
S-T	5.00	1.60
S-U	5.00	1.00
T-V	4.99	0.60
U-V	5.02	1.99
U-W	4.35	1.84
V-X	10.25	0.59
W-X	7.73	1.55
Y-Z	7.93	1.51
X-AC	4.37	13.96
AC-AD	5.07	4.93
X-AE	4.55	13.63
AE-AF	4.99	6.01
AC-AE	1.39	0.72
AD-AF	2.22	2.70
X-AG	7.17	0.56
AE-AH	5.50	0.55
AF-AI	5.51	5.81
AG-AH	6.76	9.02
AH-AI	5.00	11.80



ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPDTRIVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOT BY: CSHANAMES
MODEL NAME: Default
FILE NAME: pw://p-cnw.bentley.com:p-cnw02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase II/004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/D105125-sht-ADA-10.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

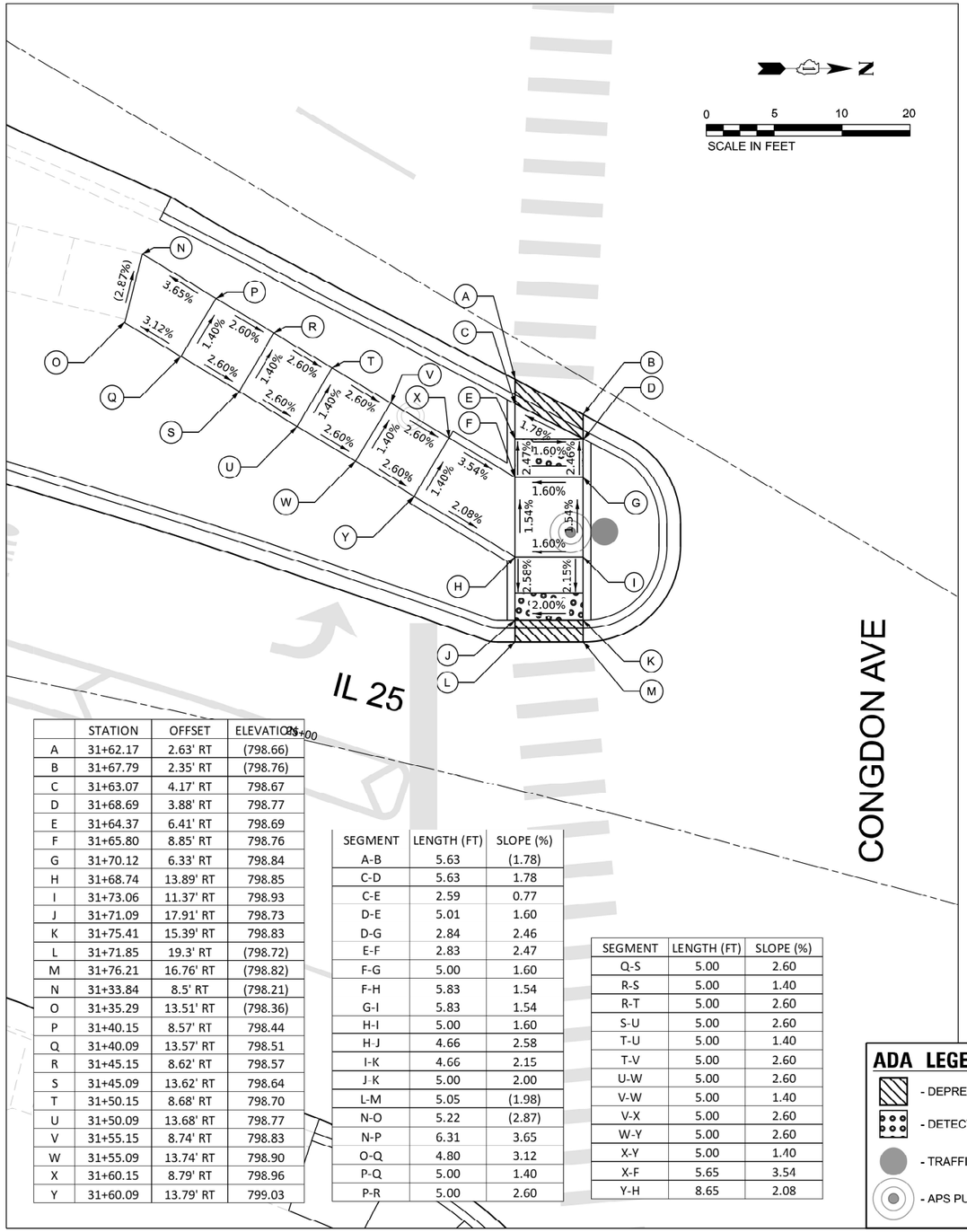
ADA CURB RAMP DETAILS
IL ROUTE 25 AT CONGDON AVE

SCALE: 1" = 5' | SHEET 10 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	37

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



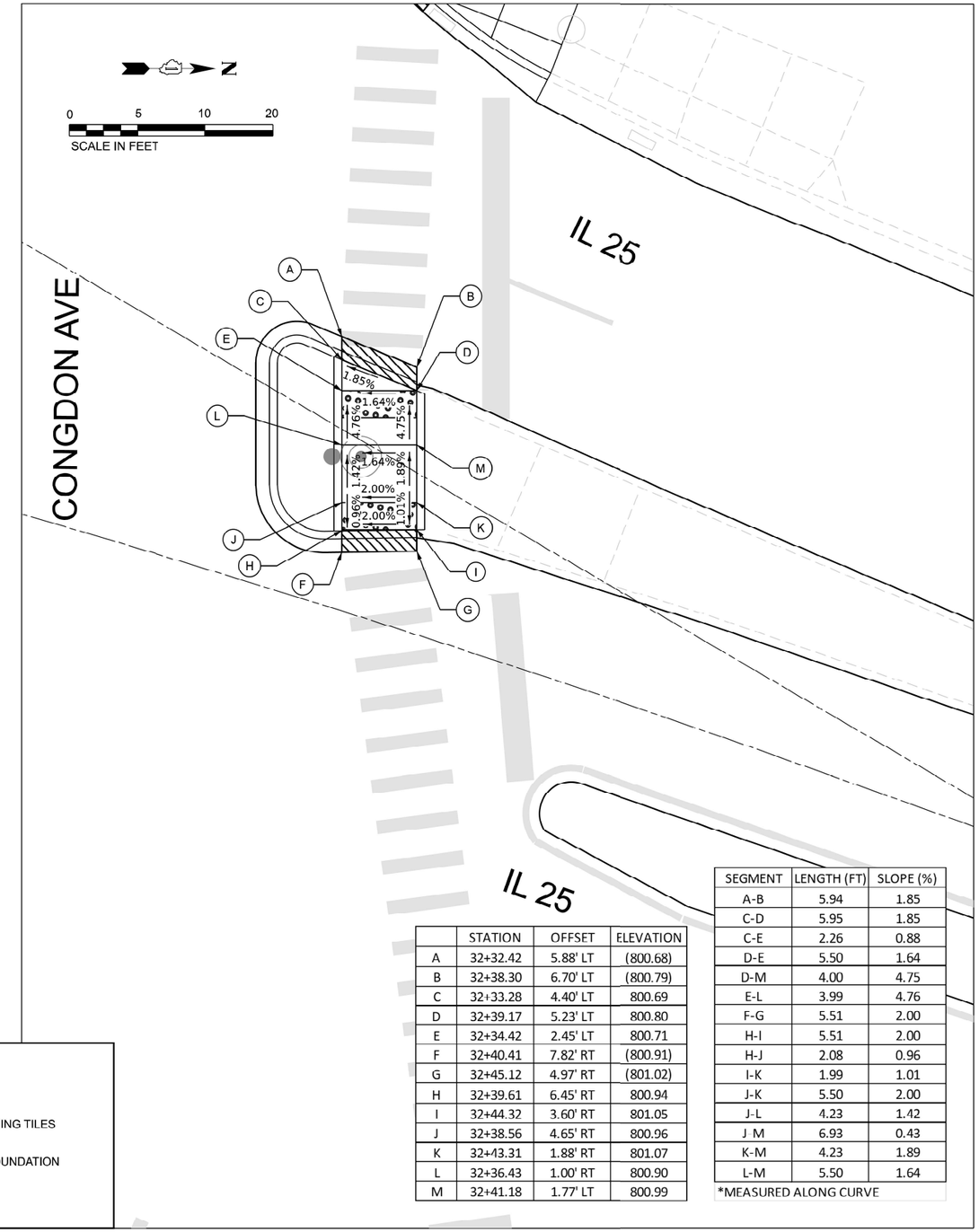
	STATION	OFFSET	ELEVATION
A	31+62.17	2.63' RT	(798.66)
B	31+67.79	2.35' RT	(798.76)
C	31+63.07	4.17' RT	798.67
D	31+68.69	3.88' RT	798.77
E	31+64.37	6.41' RT	798.69
F	31+65.80	8.85' RT	798.76
G	31+70.12	6.33' RT	798.84
H	31+68.74	13.89' RT	798.85
I	31+73.06	11.37' RT	798.93
J	31+71.09	17.91' RT	798.73
K	31+75.41	15.39' RT	798.83
L	31+71.85	19.3' RT	(798.72)
M	31+76.21	16.76' RT	(798.82)
N	31+33.84	8.5' RT	(798.21)
O	31+35.29	13.51' RT	(798.36)
P	31+40.15	8.57' RT	798.44
Q	31+40.09	13.57' RT	798.51
R	31+45.15	8.62' RT	798.57
S	31+45.09	13.62' RT	798.64
T	31+50.15	8.68' RT	798.70
U	31+50.09	13.68' RT	798.77
V	31+55.15	8.74' RT	798.83
W	31+55.09	13.74' RT	798.90
X	31+60.15	8.79' RT	798.96
Y	31+60.09	13.79' RT	799.03

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.63	(1.78)
C-D	5.63	1.78
C-E	2.59	0.77
D-E	5.01	1.60
D-G	2.84	2.46
E-F	2.83	2.47
F-G	5.00	1.60
F-H	5.83	1.54
G-I	5.83	1.54
H-I	5.00	1.60
H-J	4.66	2.58
I-K	4.66	2.15
J-K	5.00	2.00
L-M	5.05	(1.98)
N-O	5.22	(2.87)
N-P	6.31	3.65
O-Q	4.80	3.12
P-Q	5.00	1.40
P-R	5.00	2.60

SEGMENT	LENGTH (FT)	SLOPE (%)
Q-S	5.00	2.60
R-S	5.00	1.40
R-T	5.00	2.60
S-U	5.00	2.60
T-U	5.00	1.40
T-V	5.00	2.60
U-W	5.00	2.60
V-W	5.00	1.40
V-X	5.00	2.60
W-Y	5.00	2.60
X-Y	5.00	1.40
X-F	5.65	3.54
Y-H	8.65	2.08

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON



	STATION	OFFSET	ELEVATION
A	32+32.42	5.88' LT	(800.68)
B	32+38.30	6.70' LT	(800.79)
C	32+33.28	4.40' LT	800.69
D	32+39.17	5.23' LT	800.80
E	32+34.42	2.45' LT	800.71
F	32+40.41	7.82' RT	(800.91)
G	32+45.12	4.97' RT	(801.02)
H	32+39.61	6.45' RT	800.94
I	32+44.32	3.60' RT	801.05
J	32+38.56	4.65' RT	800.96
K	32+43.31	1.88' RT	801.07
L	32+36.43	1.00' RT	800.90
M	32+41.18	1.77' LT	800.99

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.94	1.85
C-D	5.95	1.85
C-E	2.26	0.88
D-E	5.50	1.64
D-M	4.00	4.75
E-L	3.99	4.76
F-G	5.51	2.00
H-I	5.51	2.00
H-J	2.08	0.96
I-K	1.99	1.01
J-K	5.50	2.00
J-L	4.23	1.42
J-M	6.93	0.43
K-M	4.23	1.89
L-M	5.50	1.64

*MEASURED ALONG CURVE

PLOT DRIVER: CPDTORN15
PENTABLE: SPENTBL3
PLOT DATE: 4/22/2025
PLOT TYPE: 3D DWG
MODEL NAME: 3dbilt
FILE NAME: pw://ps-pw.bentley.com:pc-ow-01/Documents/Projects/24-C003-IDOT 211 Item 2 Various Phase I/004- IL 25 (I-90 to Page Ave)\50_Design\CAD\P-C\Sheets\0105125-sht-ADA-11.dgn
PLOT TIME: STIMES

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

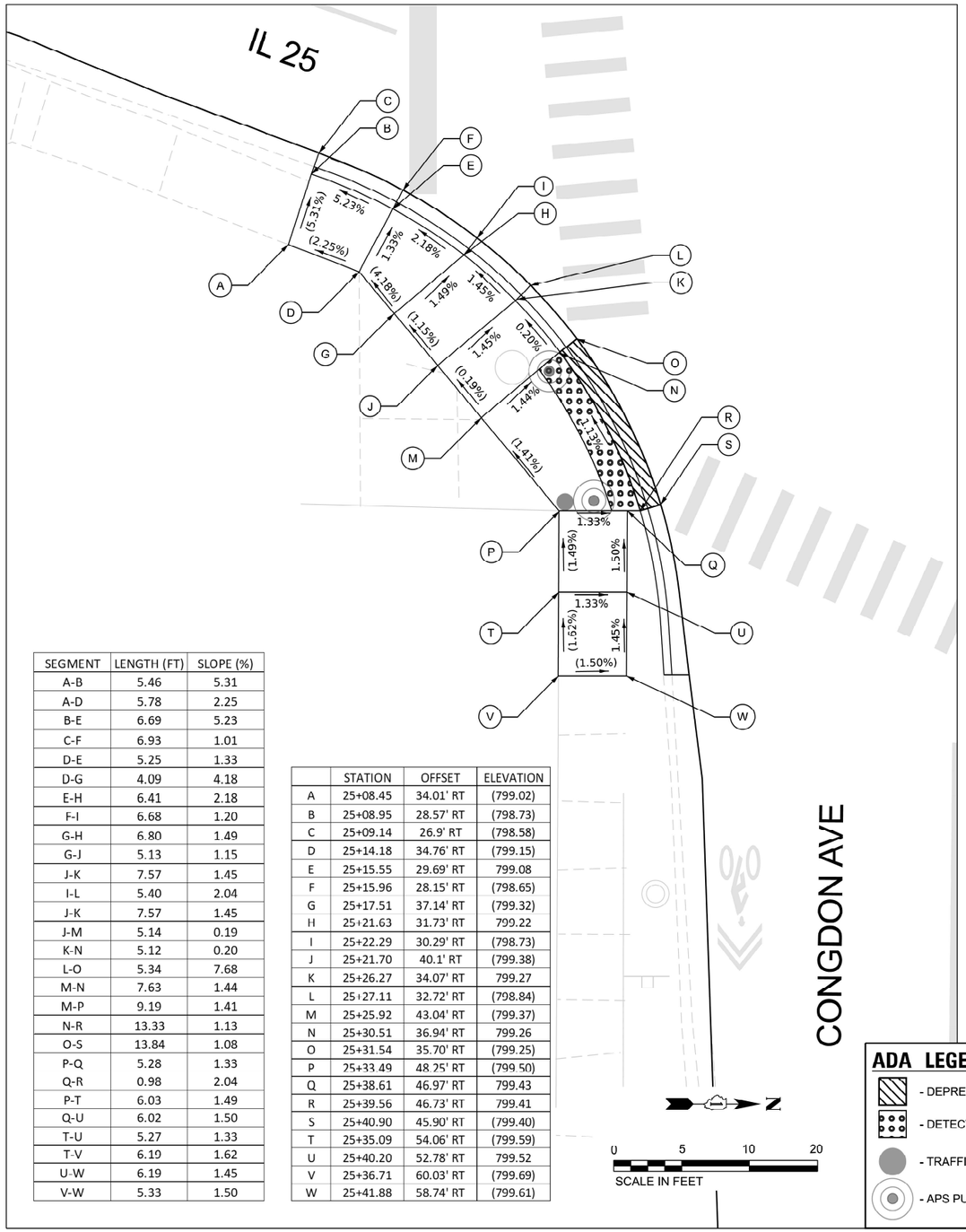
USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 25 AT CONGDON AVE

SCALE: 1" = 5' | SHEET 11 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	38
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

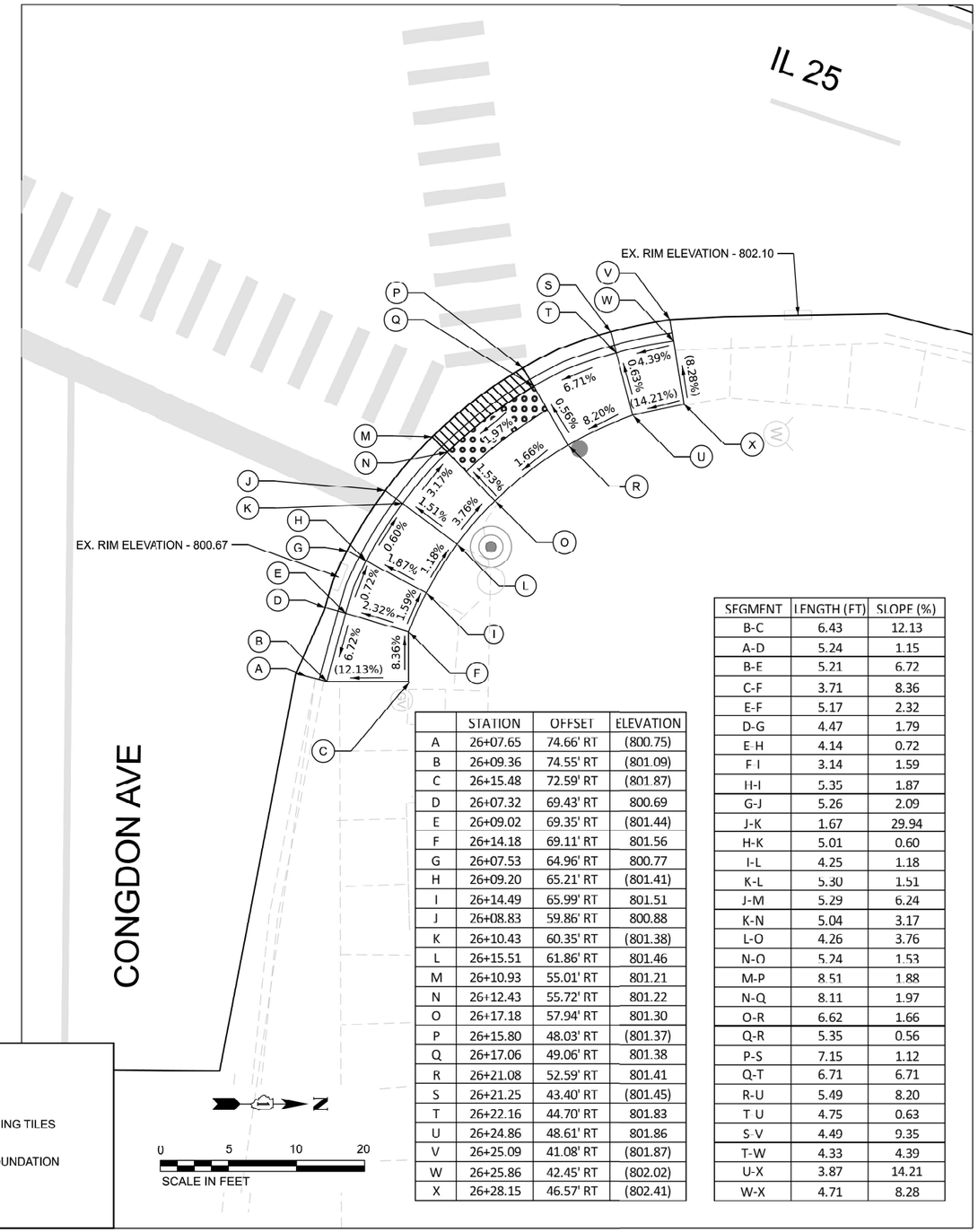


SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.46	5.31
A-D	5.78	2.25
B-E	6.69	5.23
C-F	6.93	1.01
D-E	5.25	1.33
D-G	4.09	4.18
E-H	6.41	2.18
F-I	6.68	1.20
G-H	6.80	1.49
G-J	5.13	1.15
J-K	7.57	1.45
I-L	5.40	2.04
J-K	7.57	1.45
J-M	5.14	0.19
K-N	5.12	0.20
L-O	5.34	7.68
M-N	7.63	1.44
M-P	9.19	1.41
N-R	13.33	1.13
O-S	13.84	1.08
P-Q	5.28	1.33
Q-R	0.98	2.04
P-T	6.03	1.49
Q-U	6.02	1.50
T-U	5.27	1.33
T-V	6.19	1.62
U-W	6.19	1.45
V-W	5.33	1.50

	STATION	OFFSET	ELEVATION
A	25+08.45	34.01' RT	(799.02)
B	25+08.95	28.57' RT	(798.73)
C	25+09.14	26.9' RT	(798.58)
D	25+14.18	34.76' RT	(799.15)
E	25+15.55	29.69' RT	799.08
F	25+15.96	28.15' RT	(798.65)
G	25+17.51	37.14' RT	(799.32)
H	25+21.63	31.73' RT	799.22
I	25+22.29	30.29' RT	(798.73)
J	25+21.70	40.1' RT	(799.38)
K	25+26.27	34.07' RT	799.27
L	25+27.11	32.72' RT	(798.84)
M	25+25.92	43.04' RT	(799.37)
N	25+30.51	36.94' RT	799.26
O	25+31.54	35.70' RT	(799.25)
P	25+33.49	48.25' RT	(799.50)
Q	25+38.61	46.97' RT	799.43
R	25+39.56	46.73' RT	799.41
S	25+40.90	45.90' RT	(799.40)
T	25+35.09	54.06' RT	(799.59)
U	25+40.20	52.78' RT	799.52
V	25+36.71	60.03' RT	(799.69)
W	25+41.88	58.74' RT	(799.61)

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON



	STATION	OFFSET	ELEVATION
A	26+07.65	74.66' RT	(800.75)
B	26+09.36	74.55' RT	(801.09)
C	26+15.48	72.59' RT	(801.87)
D	26+07.32	69.43' RT	800.69
E	26+09.02	69.35' RT	(801.44)
F	26+14.18	69.11' RT	801.56
G	26+07.53	64.96' RT	800.77
H	26+09.20	65.21' RT	(801.41)
I	26+14.49	65.99' RT	801.51
J	26+08.83	59.86' RT	800.88
K	26+10.43	60.35' RT	(801.38)
L	26+15.51	61.86' RT	801.46
M	26+10.93	55.01' RT	801.21
N	26+12.43	55.72' RT	801.22
O	26+17.18	57.94' RT	801.30
P	26+15.80	48.03' RT	(801.37)
Q	26+17.06	49.06' RT	801.38
R	26+21.08	52.59' RT	801.41
S	26+21.25	43.40' RT	(801.45)
T	26+22.16	44.70' RT	801.83
U	26+24.86	48.61' RT	801.86
V	26+25.09	41.08' RT	(801.87)
W	26+25.86	42.45' RT	(802.02)
X	26+28.15	46.57' RT	(802.41)

SEGMENT	LENGTH (FT)	SLOPE (%)
B-C	6.43	12.13
A-D	5.24	1.15
B-E	5.21	6.72
C-F	3.71	8.36
E-F	5.17	2.32
D-G	4.47	1.79
E-H	4.14	0.72
F-I	3.14	1.59
H-I	5.35	1.87
G-J	5.26	2.09
J-K	1.67	29.94
H-K	5.01	0.60
I-L	4.25	1.18
K-L	5.30	1.51
J-M	5.29	6.24
K-N	5.04	3.17
L-O	4.26	3.76
N-O	5.24	1.53
M-P	8.51	1.88
N-Q	8.11	1.97
O-R	6.62	1.66
Q-R	5.35	0.56
P-S	7.15	1.12
Q-T	6.71	6.71
R-U	5.49	8.20
T-U	4.75	0.63
S-V	4.49	9.35
T-W	4.33	4.39
U-X	3.87	14.21
W-X	4.71	8.28

PLOT DRIVER: SOFTDRIVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOT TYPE: USERNAMES
MODEL NAME: DGNLIB
FILE NAME: pw://p-c-pw.bentley.com:p-c-pw02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase II/004- IL 25 (IL90 to Page Ave)/50_Design/CAD/P-C/Sheets/D105125-sht-ADA-12.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

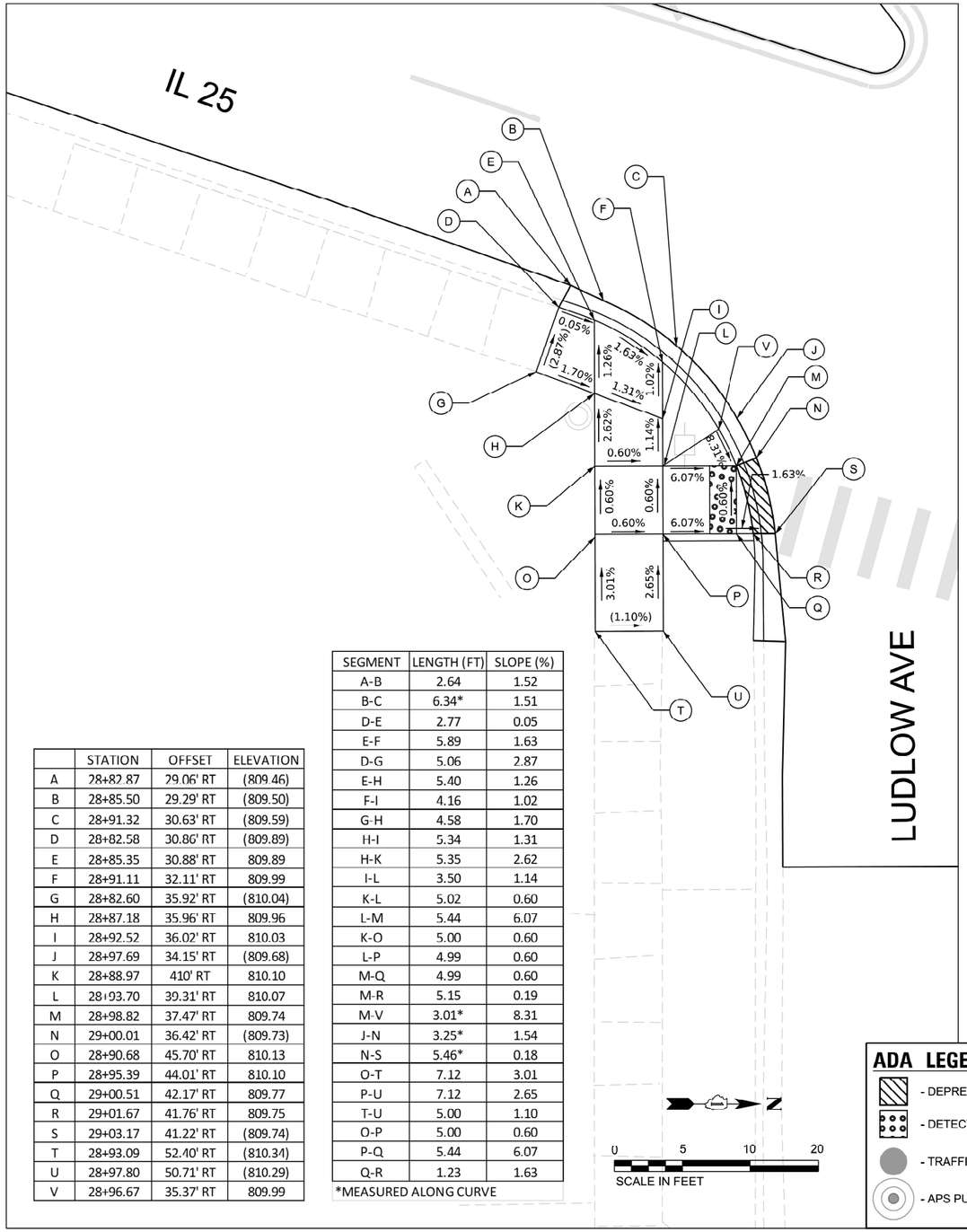
ADA CURB RAMP DETAILS
IL ROUTE 25 AT CONGDON AVE

SCALE: 1" = 5' | SHEET 12 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	39

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



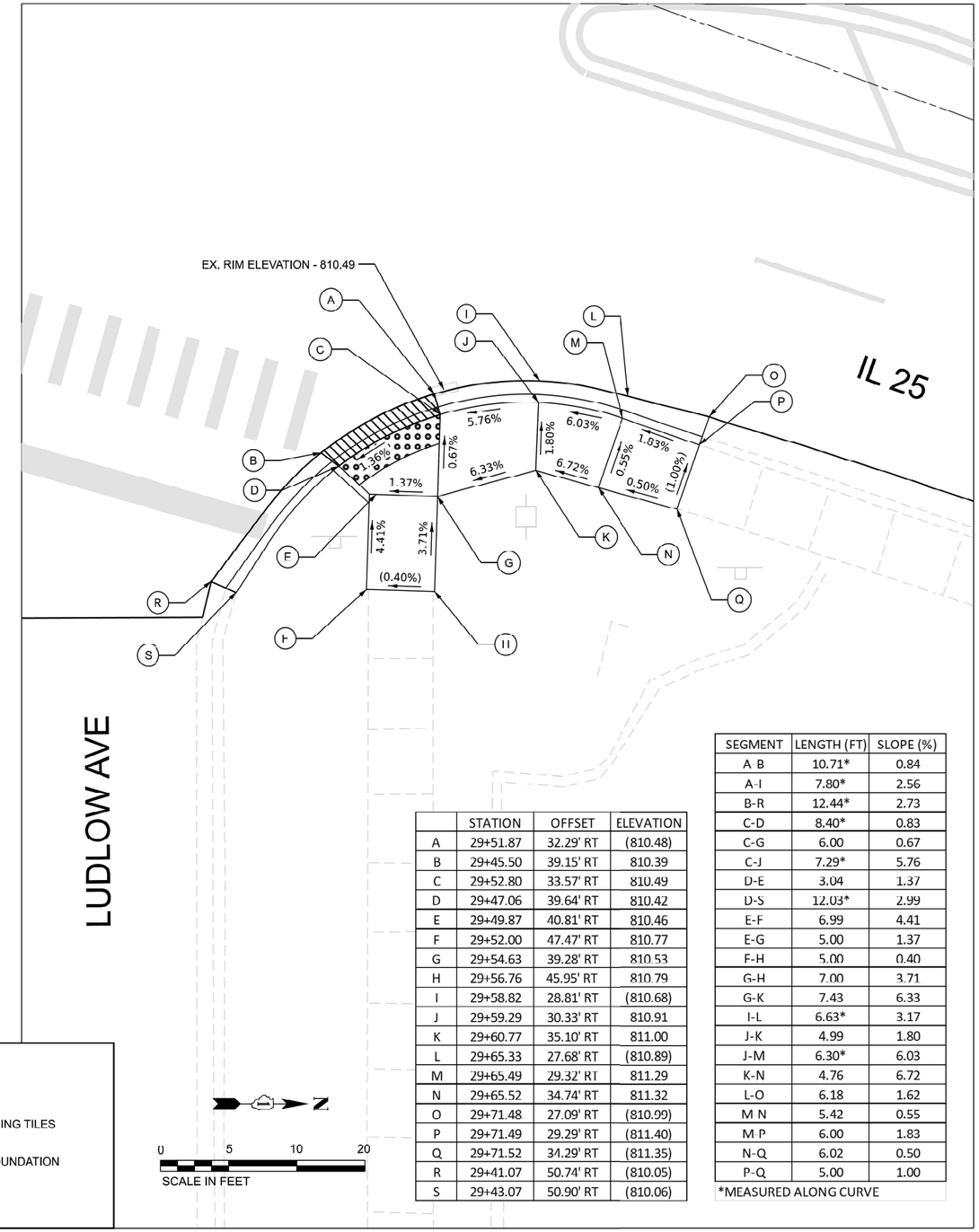
	STATION	OFFSET	ELEVATION
A	28+82.87	29.06' RT	(809.46)
B	28+85.50	29.29' RT	(809.50)
C	28+91.32	30.63' RT	(809.59)
D	28+82.58	30.86' RT	(809.89)
E	28+85.35	30.88' RT	809.89
F	28+91.11	32.11' RT	809.99
G	28+82.60	35.92' RT	(810.04)
H	28+87.18	35.96' RT	809.96
I	28+92.52	36.02' RT	810.03
J	28+97.69	34.15' RT	(809.68)
K	28+88.97	410' RT	810.10
L	28+93.70	39.31' RT	810.07
M	28+98.82	37.47' RT	809.74
N	29+00.01	36.42' RT	(809.73)
O	28+90.68	45.70' RT	810.13
P	28+95.39	44.01' RT	810.10
Q	29+00.51	42.17' RT	809.77
R	29+01.67	41.76' RT	809.75
S	29+03.17	41.22' RT	(809.74)
T	28+93.09	52.40' RT	(810.34)
U	28+97.80	50.71' RT	(810.29)
V	28+96.67	35.37' RT	809.99

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	2.64	1.52
B-C	6.34*	1.51
D-E	2.77	0.05
E-F	5.89	1.63
D-G	5.06	2.87
E-H	5.40	1.26
F-I	4.16	1.02
G-H	4.58	1.70
H-I	5.34	1.31
H-K	5.35	2.62
I-L	3.50	1.14
K-L	5.02	0.60
L-M	5.44	6.07
K-O	5.00	0.60
L-P	4.99	0.60
M-Q	4.99	0.60
M-R	5.15	0.19
M-V	3.01*	8.31
J-N	3.25*	1.54
N-S	5.46*	0.18
O-T	7.12	3.01
P-U	7.12	2.65
T-U	5.00	1.10
O-P	5.00	0.60
P-Q	5.44	6.07
Q-R	1.23	1.63

*MEASURED ALONG CURVE

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON



	STATION	OFFSET	ELEVATION
A	29+51.87	32.29' RT	(810.48)
B	29+45.50	39.15' RT	810.39
C	29+52.80	33.57' RT	810.49
D	29+47.06	39.64' RT	810.42
E	29+49.87	40.81' RT	810.46
F	29+52.00	47.47' RT	810.77
G	29+54.63	39.28' RT	810.53
H	29+56.76	45.95' RT	810.79
I	29+58.82	28.81' RT	(810.68)
J	29+59.29	30.33' RT	810.91
K	29+60.77	35.10' RT	811.00
L	29+65.33	27.68' RT	(810.89)
M	29+65.49	29.32' RT	811.29
N	29+65.52	34.74' RT	811.32
O	29+71.48	27.09' RT	(810.99)
P	29+71.49	29.29' RT	(811.40)
Q	29+71.52	34.29' RT	(811.35)
R	29+41.07	50.74' RT	(810.05)
S	29+43.07	50.90' RT	(810.06)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	10.71*	0.84
A-I	7.80*	2.56
B-R	12.44*	2.73
C-D	8.40*	0.83
C-G	6.00	0.67
C-J	7.29*	5.76
D-E	3.04	1.37
D-S	12.03*	2.99
E-F	6.99	4.41
E-G	5.00	1.37
F-H	5.00	0.40
G-H	7.00	3.71
G-K	7.43	6.33
I-L	6.63*	3.17
J-K	4.99	1.80
J-M	6.30*	6.03
K-N	4.76	6.72
L-O	6.18	1.62
M-N	5.42	0.55
M-P	6.00	1.83
N-Q	6.02	0.50
P-Q	5.00	1.00

*MEASURED ALONG CURVE

PLOT DRIVER: SPNTDRIVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025
PLOTTED BY: $USERNAME$
MODEL NAME: 3d-Built
ILL NAME: pw://ps-pw.bentley.com:pc-pw02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I//004-IL 25 (190 to Page Ave)/SD_Design/CAD/P-C/Sheets/0105125-sht-xDA-13.dgn
PLOT TIME: $TIME$

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 25 AT LUDLOW AVE

SCALE: 1" = 5' | SHEET 13 OF 24 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	40

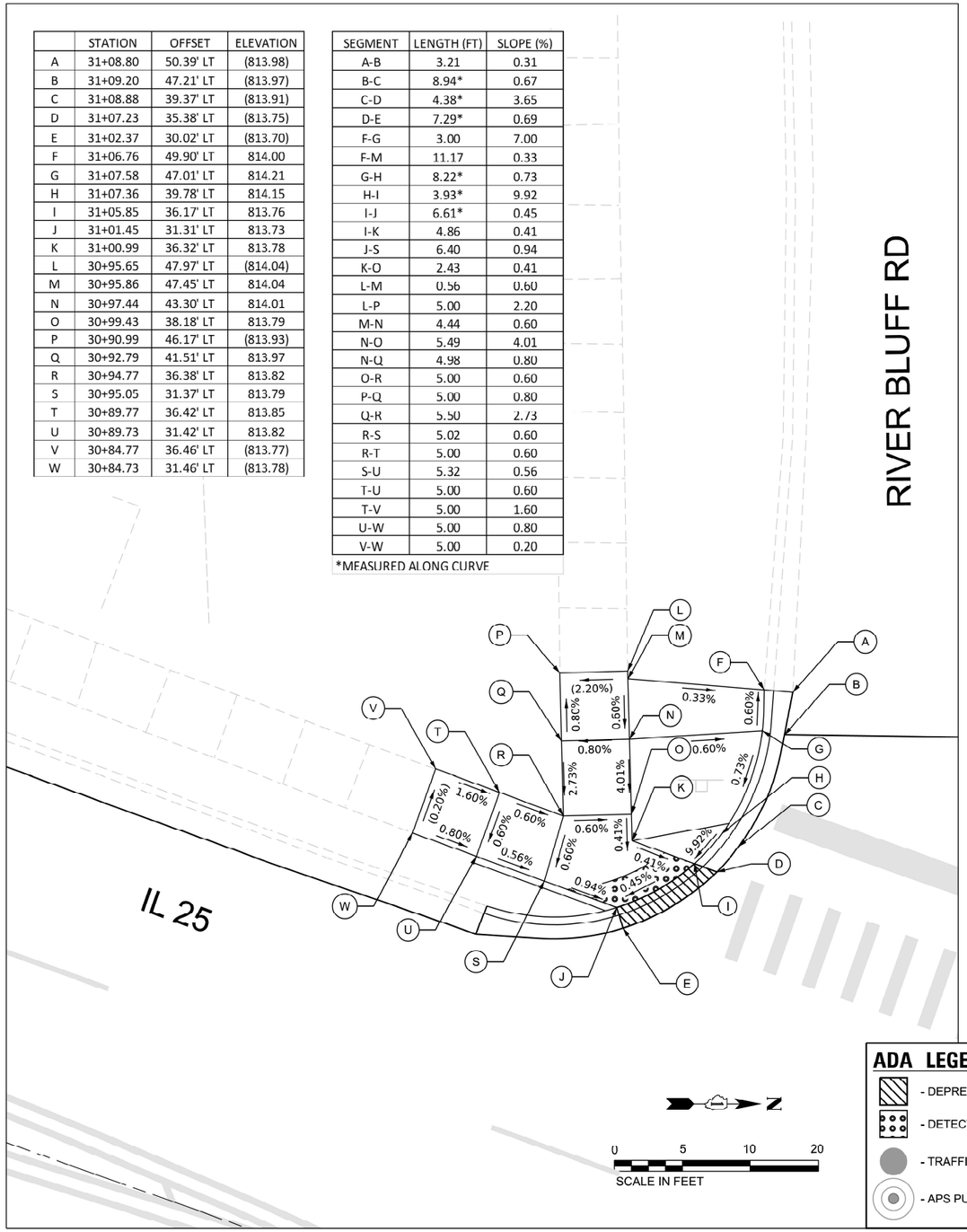
CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT

	STATION	OFFSET	ELEVATION
A	31+08.80	50.39' LT	(813.98)
B	31+09.20	47.21' LT	(813.97)
C	31+08.88	39.37' LT	(813.91)
D	31+07.23	35.38' LT	(813.75)
E	31+02.37	30.02' LT	(813.70)
F	31+06.76	49.90' LT	814.00
G	31+07.58	47.01' LT	814.21
H	31+07.36	39.78' LT	814.15
I	31+05.85	36.17' LT	813.76
J	31+01.45	31.31' LT	813.73
K	31+00.99	36.32' LT	813.78
L	30+95.65	47.97' LT	(814.04)
M	30+95.86	47.45' LT	814.04
N	30+97.44	43.30' LT	814.01
O	30+99.43	38.18' LT	813.79
P	30+90.99	46.17' LT	(813.93)
Q	30+92.79	41.51' LT	813.97
R	30+94.77	36.38' LT	813.82
S	30+95.05	31.37' LT	813.79
T	30+89.77	36.42' LT	813.85
U	30+89.73	31.42' LT	813.82
V	30+84.77	36.46' LT	(813.77)
W	30+84.73	31.46' LT	(813.78)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	3.21	0.31
B-C	8.94*	0.67
C-D	4.38*	3.65
D-E	7.29*	0.69
F-G	3.00	7.00
F-M	11.17	0.33
G-H	8.22*	0.73
H-I	3.93*	9.92
I-J	6.61*	0.45
I-K	4.86	0.41
J-S	6.40	0.94
K-O	2.43	0.41
L-M	0.56	0.60
L-P	5.00	2.20
M-N	4.44	0.60
N-O	5.49	4.01
N-Q	4.98	0.80
O-R	5.00	0.60
P-Q	5.00	0.80
Q-R	5.50	2.73
R-S	5.02	0.60
R-T	5.00	0.60
S-U	5.32	0.56
T-U	5.00	0.60
T-V	5.00	1.60
U-W	5.00	0.80
V-W	5.00	0.20

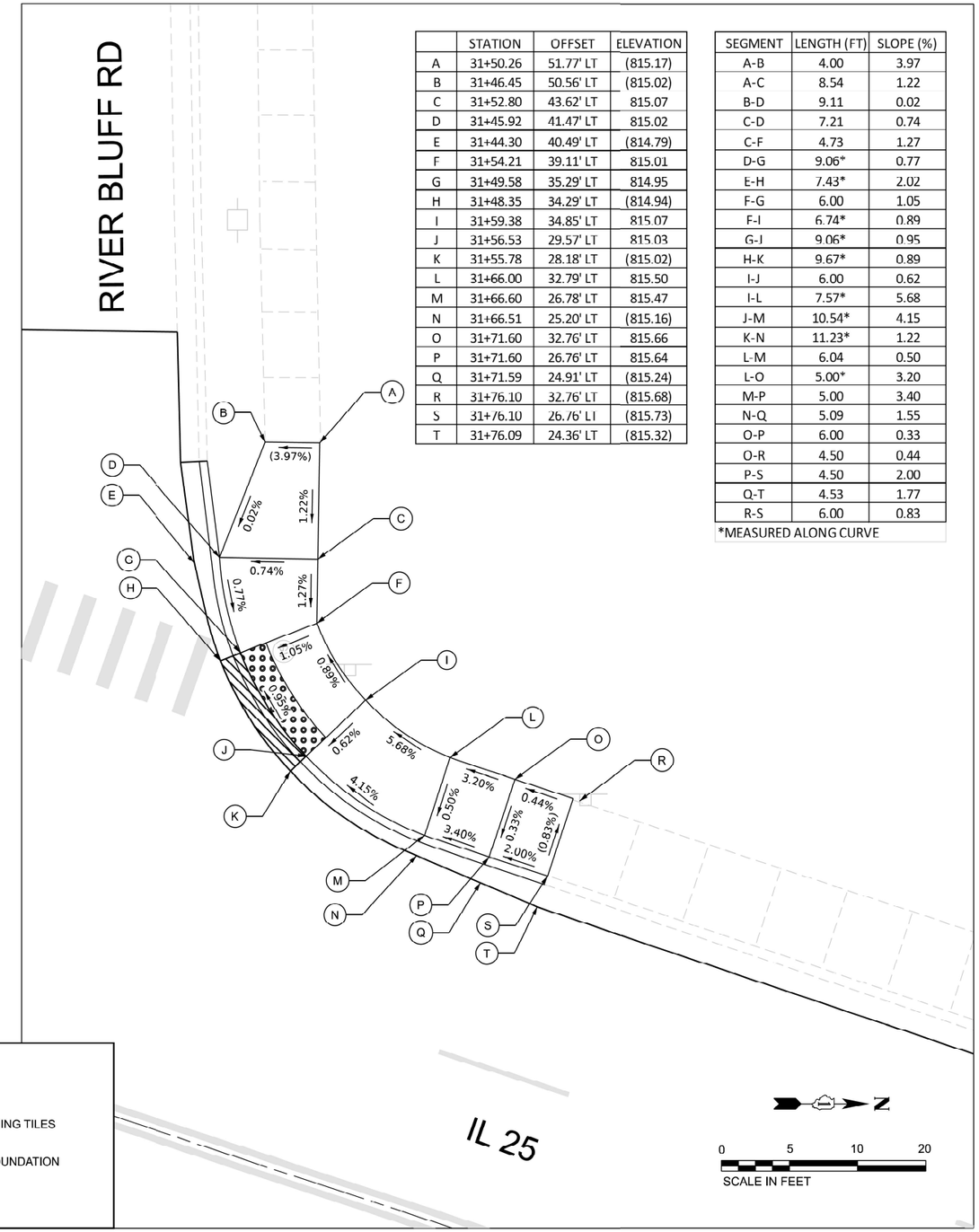
*MEASURED ALONG CURVE



	STATION	OFFSET	ELEVATION
A	31+50.26	51.77' LT	(815.17)
B	31+46.45	50.56' LT	(815.02)
C	31+52.80	43.62' LT	815.07
D	31+45.92	41.47' LT	815.02
E	31+44.30	40.49' LT	(814.79)
F	31+54.21	39.11' LT	815.01
G	31+49.58	35.29' LT	814.95
H	31+48.35	34.29' LT	(814.94)
I	31+59.38	34.85' LT	815.07
J	31+56.53	29.57' LT	815.03
K	31+55.78	28.18' LT	(815.02)
L	31+66.00	32.79' LT	815.50
M	31+66.60	26.78' LT	815.47
N	31+66.51	25.20' LT	(815.16)
O	31+71.60	32.76' LT	815.66
P	31+71.60	26.76' LT	815.64
Q	31+71.59	24.91' LT	(815.24)
R	31+76.10	32.76' LT	(815.68)
S	31+76.10	26.76' LT	(815.73)
T	31+76.09	24.36' LT	(815.32)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.00	3.97
A-C	8.54	1.22
B-D	9.11	0.02
C-D	7.21	0.74
C-F	4.73	1.27
D-G	9.06*	0.77
E-H	7.43*	2.02
F-G	6.00	1.05
F-I	6.74*	0.89
G-J	9.06*	0.95
H-K	9.67*	0.89
I-J	6.00	0.62
I-L	7.57*	5.68
J-M	10.54*	4.15
K-N	11.23*	1.22
L-M	6.04	0.50
L-O	5.00*	3.20
M-P	5.00	3.40
N-Q	5.09	1.55
O-P	6.00	0.33
O-R	4.50	0.44
P-S	4.50	2.00
Q-T	4.53	1.77
R-S	6.00	0.83

*MEASURED ALONG CURVE



ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPNTDRIVLS
PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025
PLOT OPTIONS: PLOT TIVE: STIMES
MODEL NAME: 3Default
ILL NAME: pw://ps-pw.bentley.com:pw-02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I//004-IL 25 (E90 to Page Ave)/90_Design/CAD/P-C/Sheets/0105125-sht-ADA-14.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

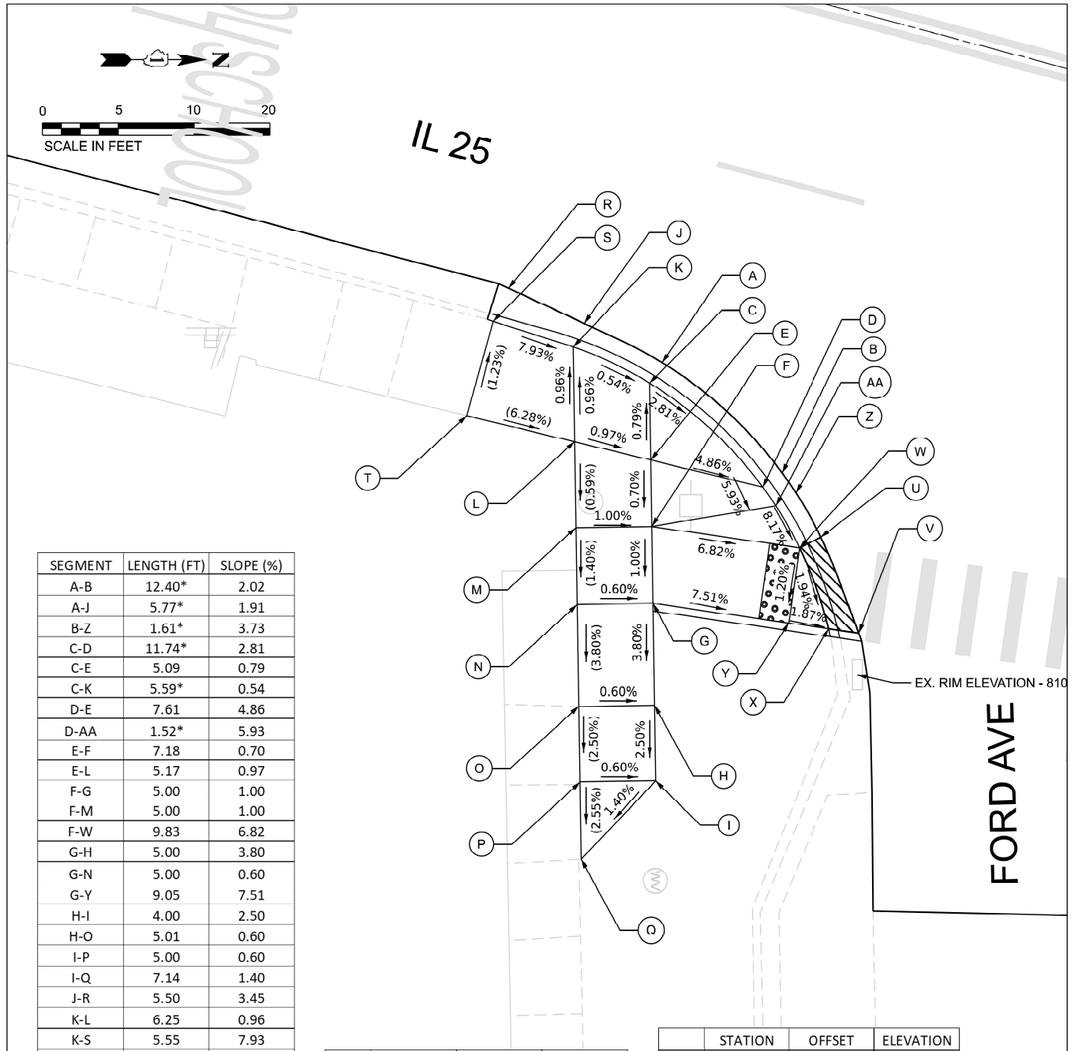
ADA CURB RAMP DETAILS
IL ROUTE 25 AT RIVER BLUFF RD

SCALE: 1" = 5' | SHEET 14 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	41

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	12.40*	2.02
A-J	5.77*	1.91
B-Z	1.61*	3.73
C-D	11.74*	2.81
C-E	5.09	0.79
C-K	5.59*	0.54
D-E	7.61	4.86
D-AA	1.52*	5.93
E-F	7.18	0.70
E-L	5.17	0.97
F-G	5.00	1.00
F-M	5.00	1.00
F-W	9.83	6.82
G-H	5.00	3.80
G-N	5.00	0.60
G-Y	9.05	7.51
H-I	4.00	2.50
H-O	5.01	0.60
I-P	5.00	0.60
I-Q	7.14	1.40
J-R	5.50	3.45
K-L	6.25	0.96
K-S	5.55	7.93
L-M	8.48	0.59
L-T	7.32	6.28
M-N	5.01	1.40
N-O	5.00	3.80
O-P	4.00	2.50
P-Q	5.09	2.55
S-T	6.48	1.23
U-V	6.79*	1.47
W-X	5.68*	1.94
W-Y	5.00	1.20
Y-X	2.68	1.87
U-Z	3.37*	2.37
W-AA	3.18*	8.17

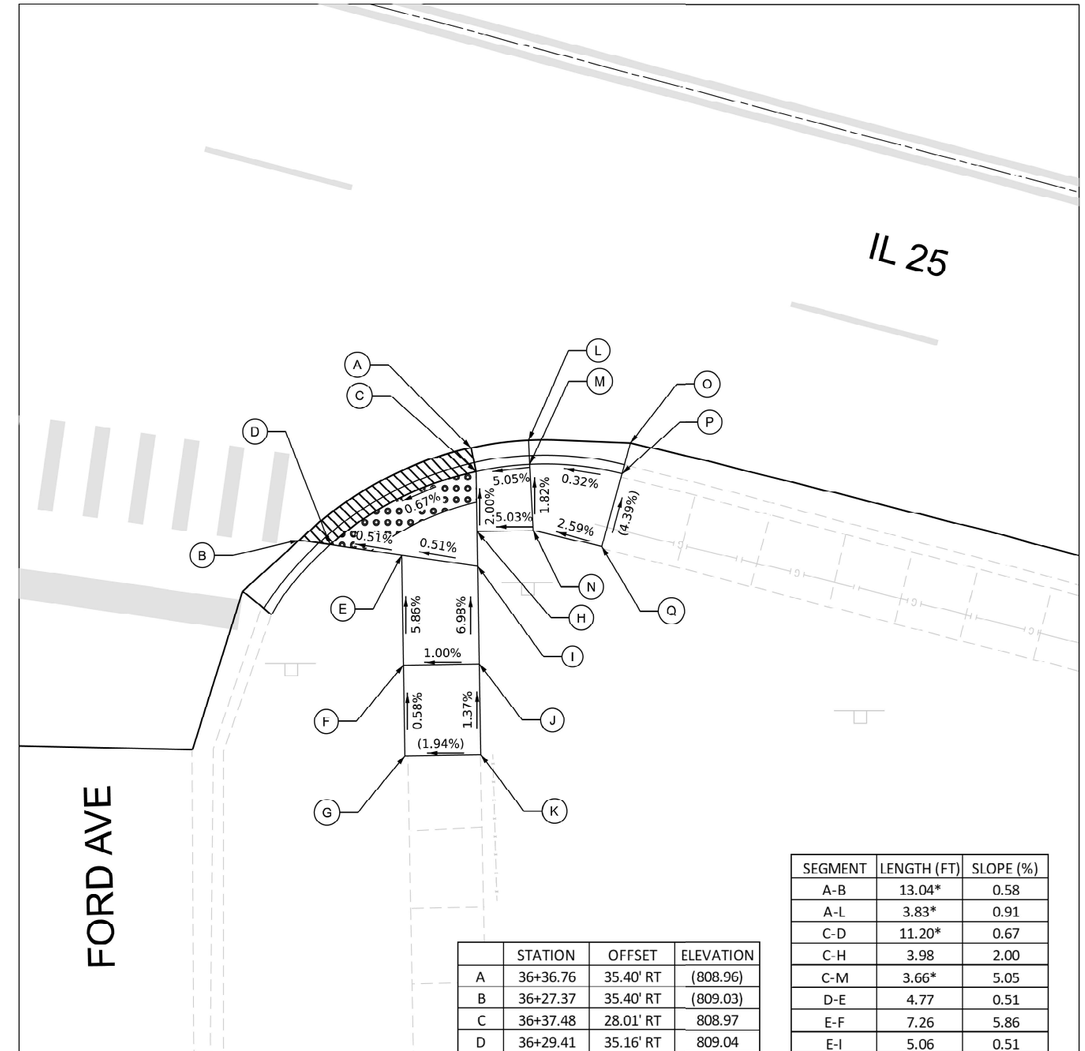
*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	35+74.56	26.12' RT	(810.71)
B	35+84.09	30.63' RT	(810.46)
C	35+74.11	27.14' RT	811.02
D	35+83.10	31.87' RT	810.69
E	35+75.49	32.04' RT	811.06
F	35+77.43	38.95' RT	811.01
G	35+78.79	43.76' RT	810.96
H	35+80.15	48.57' RT	810.77
I	35+81.23	52.42' RT	810.67
J	35+68.92	24.44' RT	(810.82)
K	35+68.63	26.12' RT	811.05
L	35+70.32	32.14' RT	(811.11)
M	35+72.62	40.30' RT	(811.06)

	STATION	OFFSET	ELEVATION
N	35+73.98	45.12' RT	(810.99)
O	35+75.33	49.93' RT	(810.80)
P	35+76.42	53.78' RT	(810.70)
Q	35+77.80	58.68' RT	(810.57)
R	35+63.50	23.49' RT	(811.01)
S	35+63.09	25.85' RT	(811.49)
T	35+63.00	32.33' RT	(811.57)
U	35+87.68	34.08' RT	(810.32)
V	35+91.70	39.57' RT	(810.22)
W	35+86.48	35.12' RT	810.34
X	35+89.72	39.78' RT	810.23
Y	35+87.06	40.09' RT	810.28
Z	35+85.32	31.68' RT	(810.40)
AA	35+84.25	32.85' RT	810.60

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON



	STATION	OFFSET	ELEVATION
A	36+36.76	35.40' RT	(808.96)
B	36+27.37	35.40' RT	(809.03)
C	36+37.48	28.01' RT	808.97
D	36+29.41	35.16' RT	809.04
E	36+34.15	34.61' RT	809.06
F	36+36.12	41.60' RT	809.49
G	36+37.75	47.37' RT	(809.53)
H	36+38.56	31.84' RT	809.04
I	36+39.18	34.03' RT	809.09
J	36+40.93	40.24' RT	809.54
K	36+42.57	46.01' RT	(809.62)
L	36+40.30	25.15' RT	(808.92)
M	36+40.77	26.66' RT	809.15
N	36+42.11	30.84' RT	809.23
O	36+46.82	23.61' RT	(808.80)
P	36+46.80	25.68' RT	(809.13)
Q	36+46.74	30.69' RT	(809.35)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	13.04*	0.58
A-L	3.83*	0.91
C-D	11.20*	0.67
C-H	3.98	2.00
C-M	3.66*	5.05
D-E	4.77	0.51
E-F	7.26	5.86
E-I	5.06	0.51
F-G	6.00	0.58
F-J	5.00	1.00
G-K	5.01	1.94
H-N	3.69	5.03
H-I	2.28	2.00
I-J	6.45	6.98
J-K	6.00	1.37
L-O	6.71*	1.79
M-N	4.39	1.82
M-P	6.31*	0.32
N-Q	4.63	2.59
P-Q	5.01	4.39

*MEASURED ALONG CURVE

PLOT DRIVER: SINTDRV15
PENTABLE: SPENTBL15
PLOT DATE: 4/22/2025 PLOT TIME: 5TIMES
PLOT STYLE: USERNAME15
MODEL NAME: Default
FILE NAME: pw://pc-pw.bentley.com:pc-cow-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase II/004-IL 25 (I-20 to Page Ave)/SO_Design/CAD/P-C/Sheets/0105125-sht-ADA-15.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA CURB RAMP DETAILS IL ROUTE 25 AT FORD AVE	
	DRAWN - MGT, NJL, BJD	REVISED -			
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -			
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -		SCALE: 1" = 5' SHEET 15 OF 24 SHEETS STA. TO STA.	

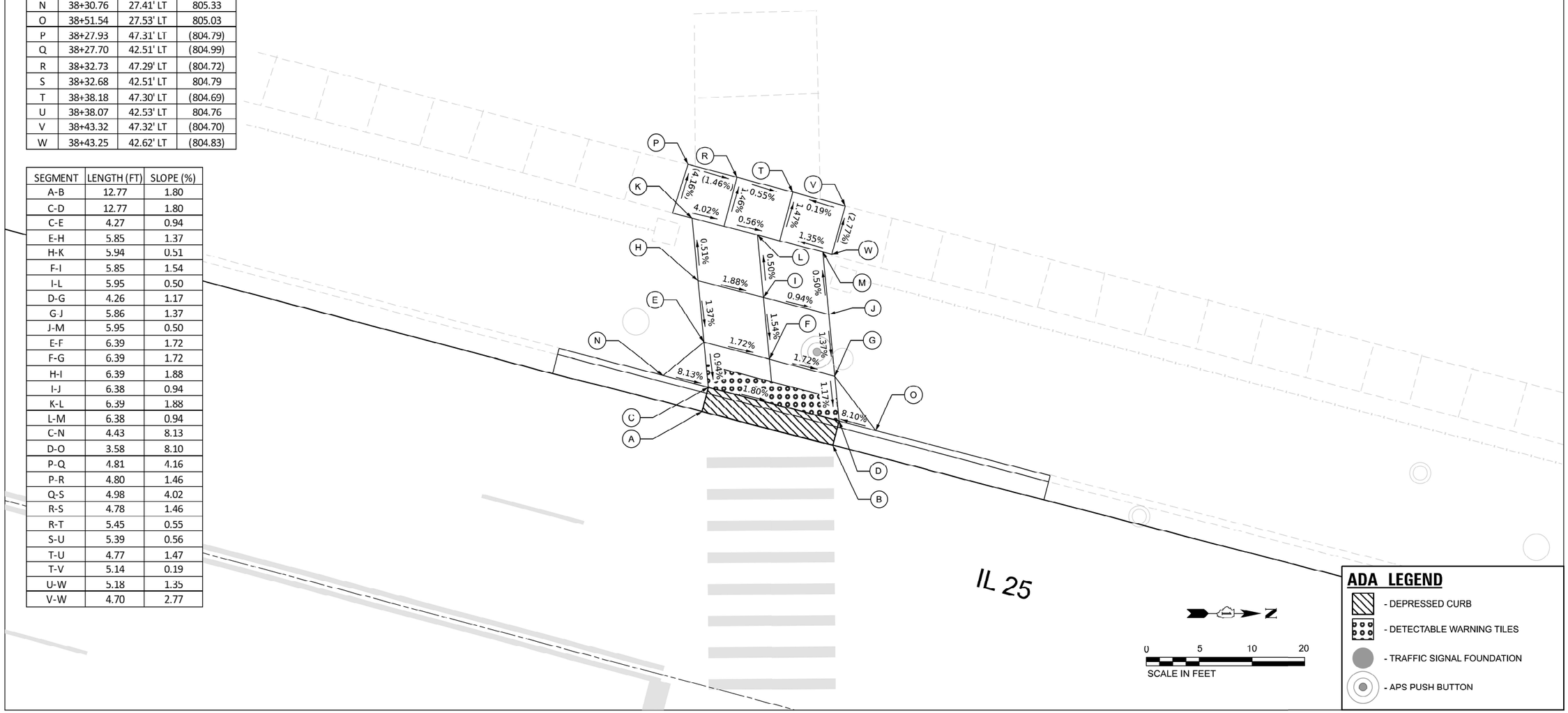
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	42
		CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

	STATION	OFFSET	ELEVATION
A	38+35.20	25.04' LT	(804.96)
B	38+47.97	25.12' LT	(804.73)
C	38+35.19	27.43' LT	804.97
D	38+47.96	27.51' LT	804.74
E	38+33.70	31.43' LT	805.01
F	38+40.09	31.46' LT	804.90
G	38+46.48	31.50' LT	804.79
H	38+31.67	36.92' LT	804.93
I	38+38.06	36.95' LT	804.81
J	38+44.44	36.99' LT	804.87
K	38+29.60	42.49' LT	804.90
L	38+35.99	42.53' LT	804.78
M	38+42.37	42.57' LT	804.84
N	38+30.76	27.41' LT	805.33
O	38+51.54	27.53' LT	805.03
P	38+27.93	47.31' LT	(804.79)
Q	38+27.70	42.51' LT	(804.99)
R	38+32.73	47.29' LT	(804.72)
S	38+32.68	42.51' LT	804.79
T	38+38.18	47.30' LT	(804.69)
U	38+38.07	42.53' LT	804.76
V	38+43.32	47.32' LT	(804.70)
W	38+43.25	42.62' LT	(804.83)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	12.77	1.80
C-D	12.77	1.80
C-E	4.27	0.94
E-H	5.85	1.37
H-K	5.94	0.51
F-I	5.85	1.54
I-L	5.95	0.50
D-G	4.26	1.17
G-J	5.86	1.37
J-M	5.95	0.50
E-F	6.39	1.72
F-G	6.39	1.72
H-I	6.39	1.88
I-J	6.38	0.94
K-L	6.39	1.88
L-M	6.38	0.94
C-N	4.43	8.13
D-O	3.58	8.10
P-Q	4.81	4.16
P-R	4.80	1.46
Q-S	4.98	4.02
R-S	4.78	1.46
R-T	5.45	0.55
S-U	5.39	0.56
T-U	4.77	1.47
T-V	5.14	0.19
U-W	5.18	1.35
V-W	4.70	2.77

COLEMAN ELEMENTARY SCHOOL



ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPITORIALS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOT STYLE: $$DGNNAMES
MODEL NAME: Default
FILE NAME: pw://p-pw.tentley.com:p-c-sw-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004-IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-ADA-16.dgn
PLOT TIME: $TIME$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $$HEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

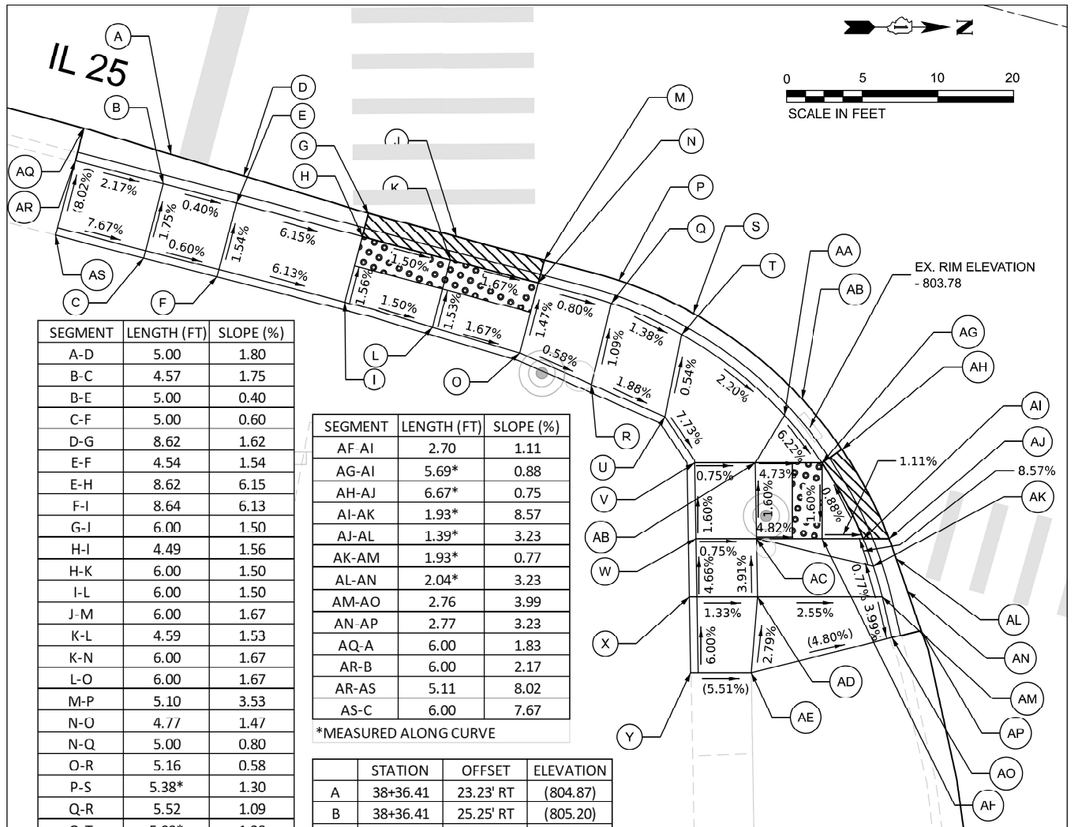
ADA CURB RAMP DETAILS
IL ROUTE 25 AT LUDA ST

SCALE: 1" = 5' | SHEET 16 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	43

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



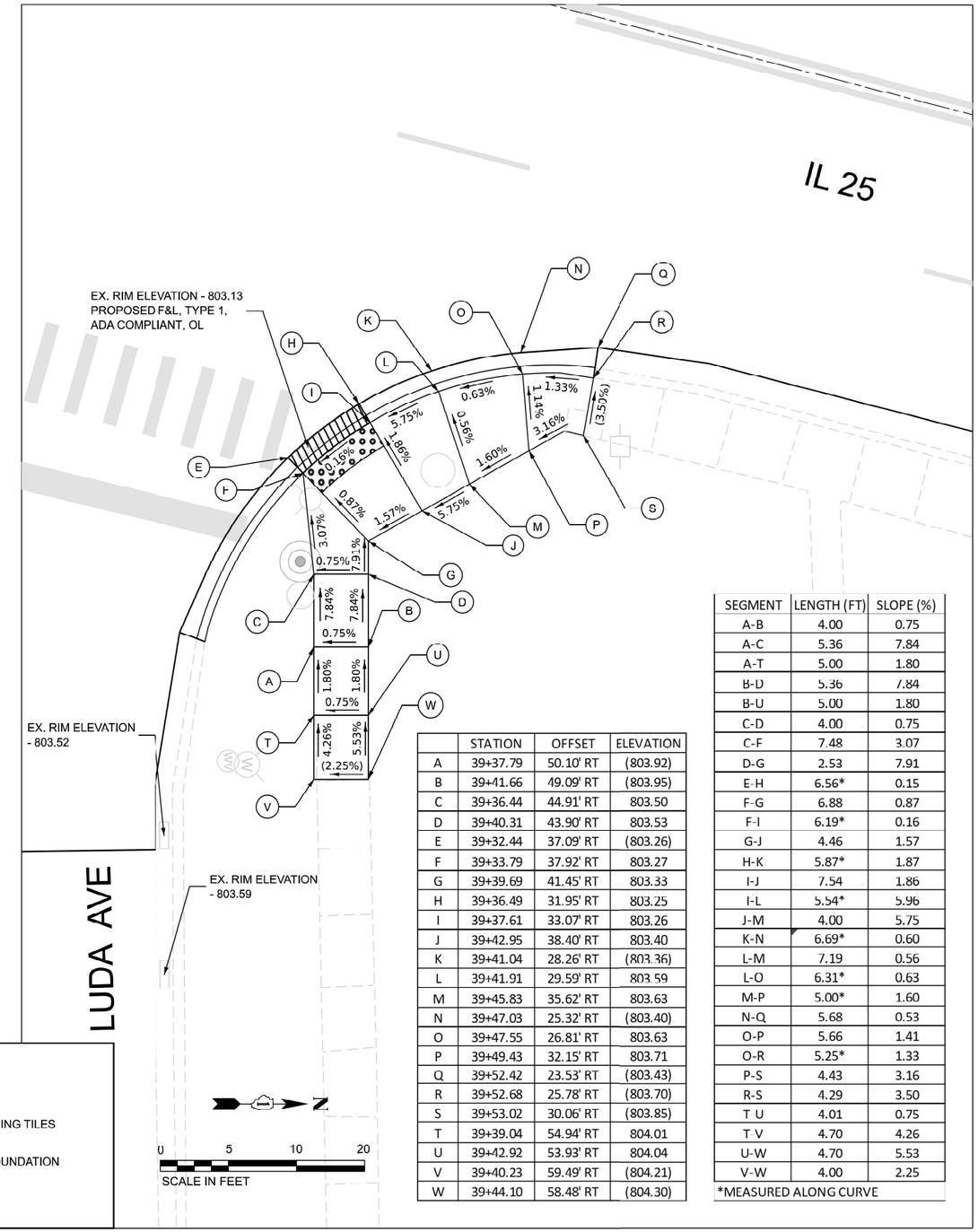
SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	5.00	1.80
B-C	4.57	1.75
B-E	5.00	0.40
C-F	5.00	0.60
D-G	8.62	1.62
E-F	4.54	1.54
E-H	8.62	6.15
F-I	8.64	6.13
G-I	6.00	1.50
H-I	4.49	1.56
H-K	6.00	1.50
I-L	6.00	1.50
J-M	6.00	1.67
K-L	4.59	1.53
K-N	6.00	1.67
L-O	6.00	1.67
M-P	5.10	3.53
N-O	4.77	1.47
N-Q	5.00	0.80
O-R	5.16	0.58
P-S	5.38*	1.30
Q-R	5.52	1.09
Q-T	5.09*	1.38
R-U	5.32	1.88
S-Z	11.53*	2.17
T-U	5.56	0.54
T-AA	10.90*	2.20
U-V	3.62	7.73
V-W	5.00	1.60
V-AB	4.00	0.75
W-X	3.86	5.44
W-AC	4.00	0.75
X-AD	4.50	2.44
X-Y	5.00	5.40
Y-AE	3.99	5.51
Z-AH	4.26*	0.94
AA-AB	3.69	1.08
AA-AG	4.02*	6.22
AB-AC	5.01	1.60
AB-AG	4.44	4.73
AC-AD	3.84	3.39
AC-AF	4.36	4.82
AD-AE	5.02	3.19
AD-AM	8.25	2.30
AE-AO	9.58	4.80
AF-AG	5.00	1.60

SEGMENT	LENGTH (FT)	SLOPE (%)
AF-AI	2.70	1.11
AG-AI	5.69*	0.88
AH-AJ	6.67*	0.75
AI-AK	1.93*	8.57
AJ-AL	1.39*	3.23
AK-AM	1.93*	0.77
AL-AN	2.04*	3.23
AM-AO	2.76	3.99
AN-AP	2.77	3.23
AQ-A	6.00	1.83
AR-B	6.00	2.17
AR-AS	5.11	8.02
AS-C	6.00	7.67

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	38+36.41	23.23' RT	(804.87)
B	38+36.41	25.25' RT	(805.20)
C	38+36.41	30.32' RT	(805.28)
D	38+41.41	23.39' RT	(804.78)
E	38+41.41	25.25' RT	805.18
F	38+41.41	30.29' RT	(805.25)
G	38+50.03	23.67' RT	(804.64)
H	38+50.03	25.25' RT	804.65
I	38+50.03	29.74' RT	804.72
J	38+56.03	23.67' RT	(804.55)
K	38+56.03	25.25' RT	804.56
L	38+56.03	29.84' RT	804.63
M	38+62.03	23.67' RT	(804.45)
N	38+62.03	25.25' RT	804.46
O	38+62.03	30.02' RT	804.53
P	38+67.13	23.73' RT	(804.27)
Q	38+67.03	25.30' RT	804.50
R	38+67.13	30.82' RT	804.56
S	38+72.43	24.56' RT	(804.20)
T	38+72.04	26.10' RT	804.43
U	38+72.38	31.65' RT	804.46
V	38+75.05	34.09' RT	804.18
W	38+76.41	38.90' RT	804.26
X	38+76.98	42.72' RT	(804.47)
Y	38+78.35	47.53' RT	(804.74)
Z	38+80.84	28.19' RT	803.95

	STATION	OFFSET	ELEVATION
AA	38+79.99	29.53' RT	804.19
AB	38+78.92	33.06' RT	804.15
AC	38+80.28	37.88' RT	804.23
AD	38+81.33	41.57' RT	804.36
AE	38+82.21	46.51' RT	(804.52)
AF	38+84.49	36.76' RT	804.02
AG	38+83.21	31.93' RT	803.94
AH	38+84.25	30.73' RT	(803.91)
AI	38+87.10	36.07' RT	803.99
AJ	38+88.75	35.63' LT	(803.96)
AK	38+88.21	37.64' RT	804.16
AL	38+89.54	36.77' RT	(803.92)
AM	38+89.30	39.45' RT	804.17
AN	38+90.69	38.69' RT	(803.85)
AO	38+90.60	41.88' RT	(804.06)
AP	38+92.00	41.13' RT	(803.76)
AQ	38+30.41	23.04' RT	(804.98)
AR	38+30.41	25.25' RT	(805.33)
AS	38+30.41	30.36' RT	(805.74)



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.00	0.75
A-C	5.36	7.84
A-T	5.00	1.80
B-D	5.36	7.84
B-U	5.00	1.80
C-D	4.00	0.75
C-F	7.48	3.07
D-G	2.53	7.91
E-H	6.56*	0.15
F-G	6.88	0.87
F-I	6.19*	0.16
G-J	4.46	1.57
H-K	5.87*	1.87
I-J	7.54	1.86
I-L	5.54*	5.96
J-M	4.00	5.75
K-N	6.69*	0.60
L-M	7.19	0.56
L-O	6.31*	0.63
M-P	5.00*	1.60
N-Q	5.68	0.53
O-P	5.66	1.41
O-R	5.25*	1.33
P-S	4.43	3.16
R-S	4.29	3.50
T-U	4.01	0.75
T-V	4.70	4.26
U-W	4.70	5.53
V-W	4.00	2.25

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	39+37.79	50.10' RT	(803.92)
B	39+41.66	49.09' RT	(803.95)
C	39+36.44	44.91' RT	803.50
D	39+40.31	43.90' RT	803.53
E	39+32.44	37.09' RT	(803.26)
F	39+33.79	37.92' RT	803.27
G	39+39.69	41.45' RT	803.33
H	39+36.49	31.95' RT	803.25
I	39+37.61	33.07' RT	803.26
J	39+42.95	38.40' RT	803.40
K	39+41.04	28.26' RT	(803.36)
L	39+41.91	29.59' RT	803.59
M	39+45.83	35.62' RT	803.63
N	39+47.03	25.32' RT	(803.40)
O	39+47.55	26.81' RT	803.63
P	39+49.43	32.15' RT	803.71
Q	39+52.42	23.53' RT	(803.43)
R	39+52.68	25.78' RT	(803.70)
S	39+53.02	30.06' RT	(803.85)
T	39+39.04	54.94' RT	804.01
U	39+42.92	53.93' RT	804.04
V	39+40.23	59.49' RT	(804.21)
W	39+44.10	58.48' RT	(804.30)

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SINTORN1S
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025 PLOT TIME: $TIMES
PLOT BY: brandon.dengel
MODEL NAME: Default
FILE NAME: pw://pw-pw.bentley.com:pw-cw-01/Documents/Projects/24-0013-IDOT 211 Item 2 Various Phase II/004-IL 25 (I-90 to Page Ave)/SO_Design/CAD/P-C/Sheets/0105125-sht-ADA-17.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

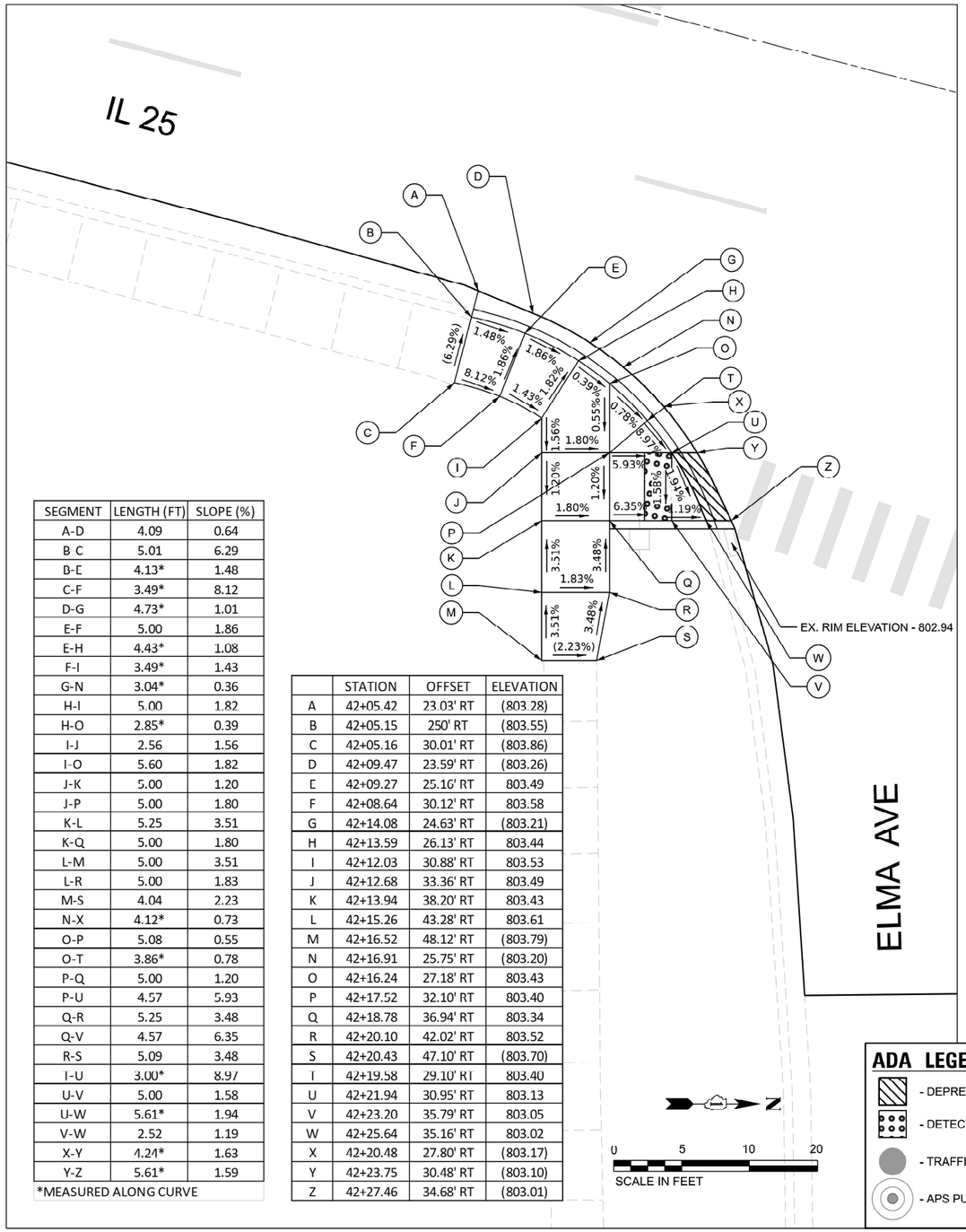
ADA CURB RAMP DETAILS
IL ROUTE 25 AT LUDA ST

SCALE: 1" = 5' | SHEET 17 OF 24 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	44

CONTRACT NO. 62X59

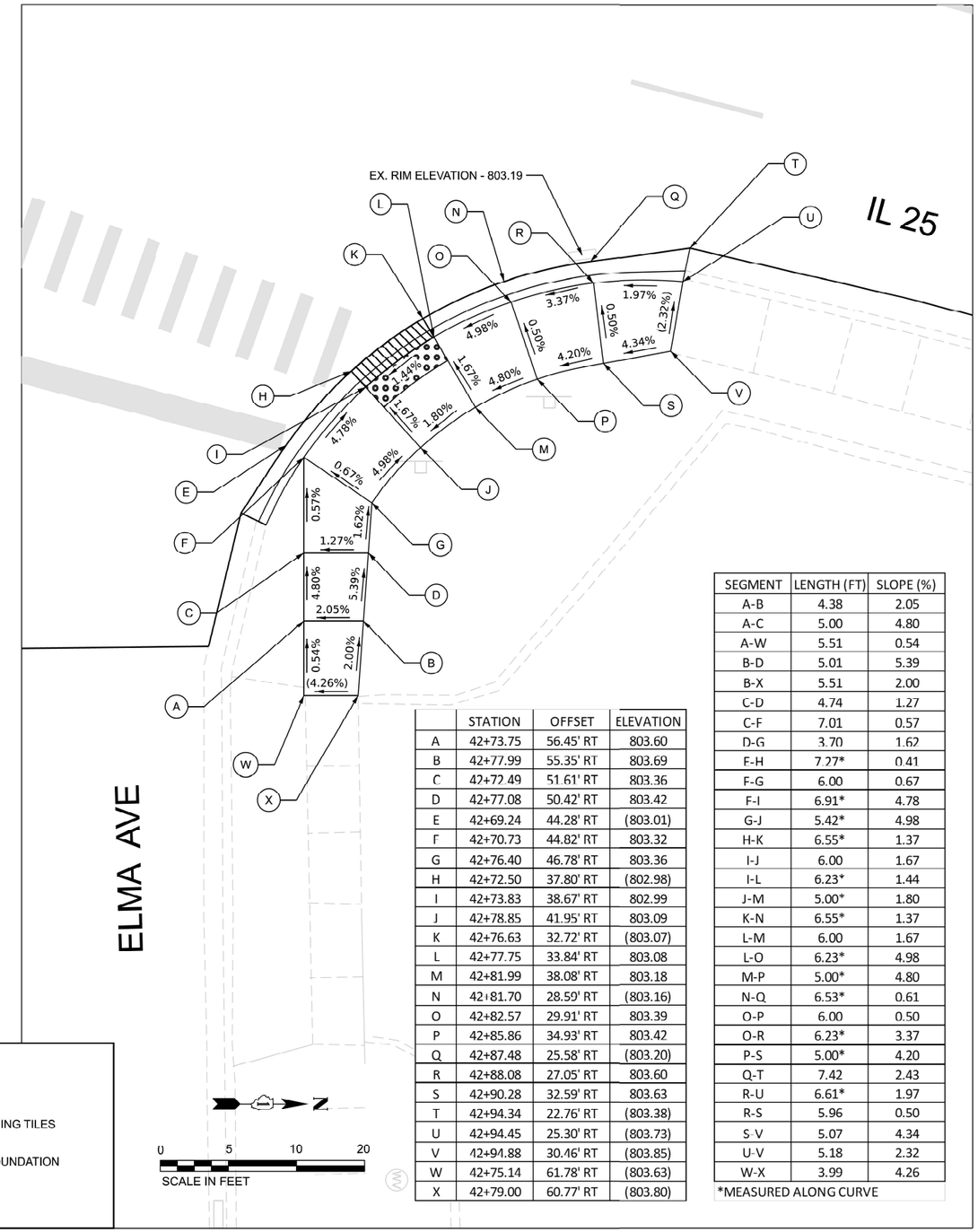
ILLINOIS | FED. AID PROJECT



SEGMENT	LENGTH (FT)	SLOPE (%)
A-D	4.09	0.64
B-C	5.01	6.29
B-E	4.13*	1.48
C-F	3.49*	8.12
D-G	4.73*	1.01
E-F	5.00	1.86
E-H	4.43*	1.08
F-I	3.49*	1.43
G-N	3.04*	0.36
H-I	5.00	1.82
H-O	2.85*	0.39
I-J	2.56	1.56
I-O	5.60	1.82
J-K	5.00	1.20
J-P	5.00	1.80
K-L	5.25	3.51
K-Q	5.00	1.80
L-M	5.00	3.51
L-R	5.00	1.83
M-S	4.04	2.23
N-X	4.12*	0.73
O-P	5.08	0.55
O-T	3.86*	0.78
P-Q	5.00	1.20
P-U	4.57	5.93
Q-R	5.25	3.48
Q-V	4.57	6.35
R-S	5.09	3.48
T-U	3.00*	8.97
U-V	5.00	1.58
U-W	5.61*	1.94
V-W	2.52	1.19
X-Y	4.24*	1.63
Y-Z	5.61*	1.59

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	42+05.42	23.03' RT	(803.28)
B	42+05.15	250' RT	(803.55)
C	42+05.16	30.01' RT	(803.86)
D	42+09.47	23.59' RT	(803.26)
E	42+09.27	25.16' RT	803.49
F	42+08.64	30.12' RT	803.58
G	42+14.08	24.63' RT	(803.21)
H	42+13.59	26.13' RT	803.44
I	42+12.03	30.88' RT	803.53
J	42+12.68	33.36' RT	803.49
K	42+13.94	38.20' RT	803.43
L	42+15.26	43.28' RT	803.61
M	42+16.52	48.12' RT	(803.79)
N	42+16.91	25.75' RT	(803.20)
O	42+16.24	27.18' RT	803.43
P	42+17.52	32.10' RT	803.40
Q	42+18.78	36.94' RT	803.34
R	42+20.10	42.02' RT	803.52
S	42+20.43	47.10' RT	(803.70)
T	42+19.58	29.10' RT	803.40
U	42+21.94	30.95' RT	803.13
V	42+23.20	35.79' RT	803.05
W	42+25.64	35.16' RT	803.02
X	42+20.48	27.80' RT	(803.17)
Y	42+23.75	30.48' RT	(803.10)
Z	42+27.46	34.68' RT	(803.01)



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.38	2.05
A-C	5.00	4.80
A-W	5.51	0.54
B-D	5.01	5.39
B-X	5.51	2.00
C-D	4.74	1.27
C-F	7.01	0.57
D-G	3.70	1.62
F-H	7.27*	0.41
F-G	6.00	0.67
F-I	6.91*	4.78
G-J	5.42*	4.98
H-K	6.55*	1.37
I-J	6.00	1.67
I-L	6.23*	1.44
J-M	5.00*	1.80
K-N	6.55*	1.37
L-M	6.00	1.67
L-O	6.23*	4.98
M-P	5.00*	4.80
N-Q	6.53*	0.61
O-P	6.00	0.50
O-R	6.23*	3.37
P-S	5.00*	4.20
Q-T	7.42	2.43
R-U	6.61*	1.97
R-S	5.96	0.50
S-V	5.07	4.34
U-V	5.18	2.32
W-X	3.99	4.26

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	42+73.75	56.45' RT	803.60
B	42+77.99	55.35' RT	803.69
C	42+77.49	51.61' RT	803.36
D	42+77.08	50.42' RT	803.42
E	42+69.24	44.28' RT	(803.01)
F	42+70.73	44.82' RT	803.32
G	42+76.40	46.78' RT	803.36
H	42+72.50	37.80' RT	(802.98)
I	42+73.83	38.67' RT	802.99
J	42+78.85	41.95' RT	803.09
K	42+76.63	32.72' RT	(803.07)
L	42+77.75	33.84' RT	803.08
M	42+81.99	38.08' RT	803.18
N	42+81.70	28.59' RT	(803.16)
O	42+82.57	29.91' RT	803.39
P	42+85.86	34.93' RT	803.42
Q	42+87.48	25.58' RT	(803.20)
R	42+88.08	27.05' RT	803.60
S	42+90.28	32.59' RT	803.63
T	42+94.34	22.76' RT	(803.38)
U	42+94.45	25.30' RT	(803.73)
V	42+94.88	30.46' RT	(803.85)
W	42+75.14	61.78' RT	(803.63)
X	42+79.00	60.77' RT	(803.80)

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPNTDRVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOT STYLE: SSSHADEWFS PLOT TIME: $TIMES
MODEL NAME: Default
ILL NAME: pw://ps-pw.bentley.com:pw-cs-eu01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I//004-IL 25 (I-90 to Page Ave)/SD_Design/CAD/P-C/Sheets/0105125-sht-ADA-18.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 25 AT ELMA AVE

SCALE: 1" = 5' | SHEET 18 OF 24 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	45

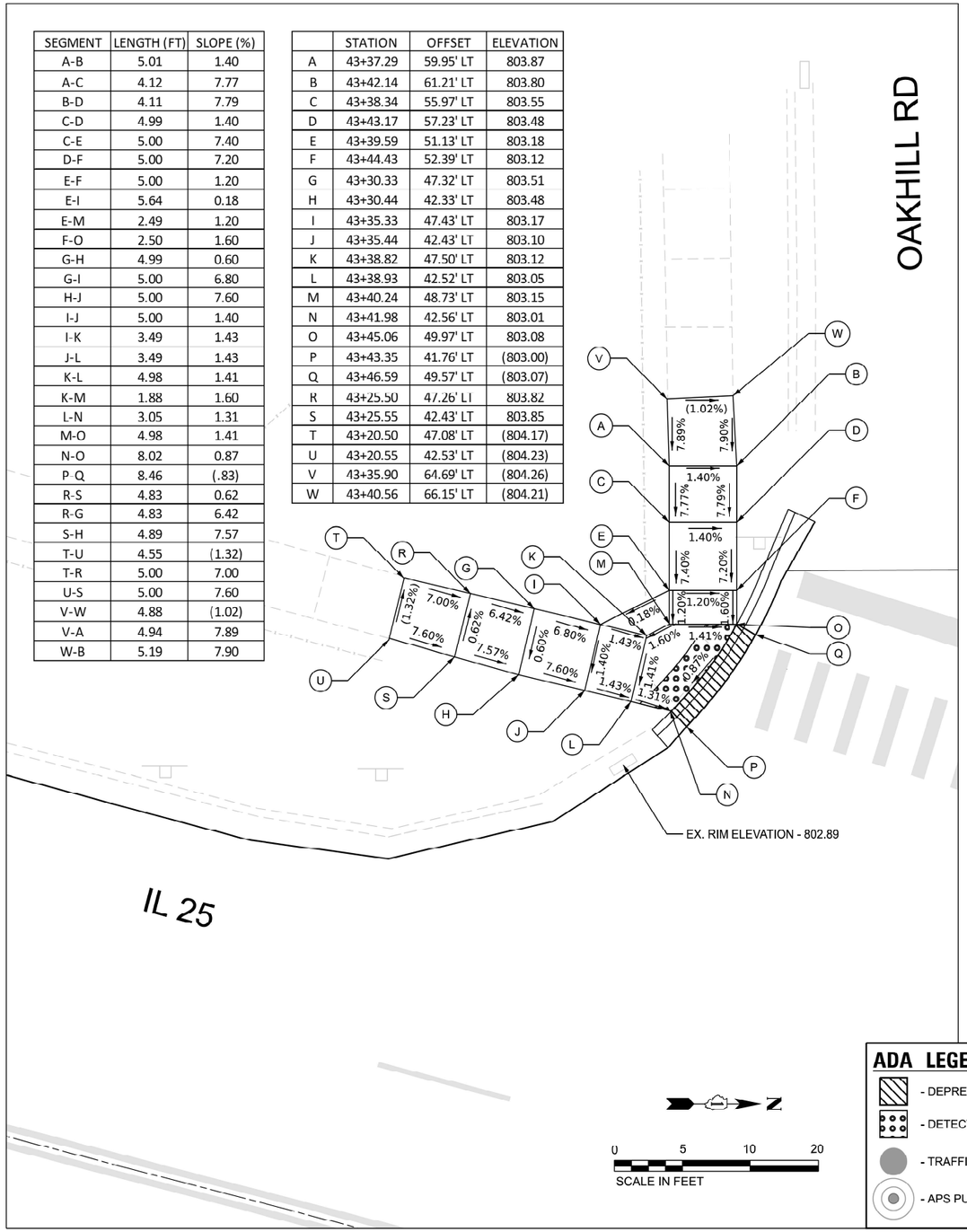
CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.01	1.40
A-C	4.12	7.77
B-D	4.11	7.79
C-D	4.99	1.40
C-E	5.00	7.40
D-F	5.00	7.20
E-F	5.00	1.20
E-I	5.64	0.18
E-M	2.49	1.20
F-O	2.50	1.60
G-H	4.99	0.60
G-I	5.00	6.80
H-J	5.00	7.60
I-J	5.00	1.40
I-K	3.49	1.43
J-L	3.49	1.43
K-L	4.98	1.41
K-M	1.88	1.60
L-N	3.05	1.31
M-O	4.98	1.41
N-O	8.02	0.87
P-Q	8.46	(.83)
R-S	4.83	0.62
R-G	4.83	6.42
S-H	4.89	7.57
T-U	4.55	(1.32)
T-R	5.00	7.00
U-S	5.00	7.60
V-W	4.88	(1.02)
V-A	4.94	7.89
W-B	5.19	7.90

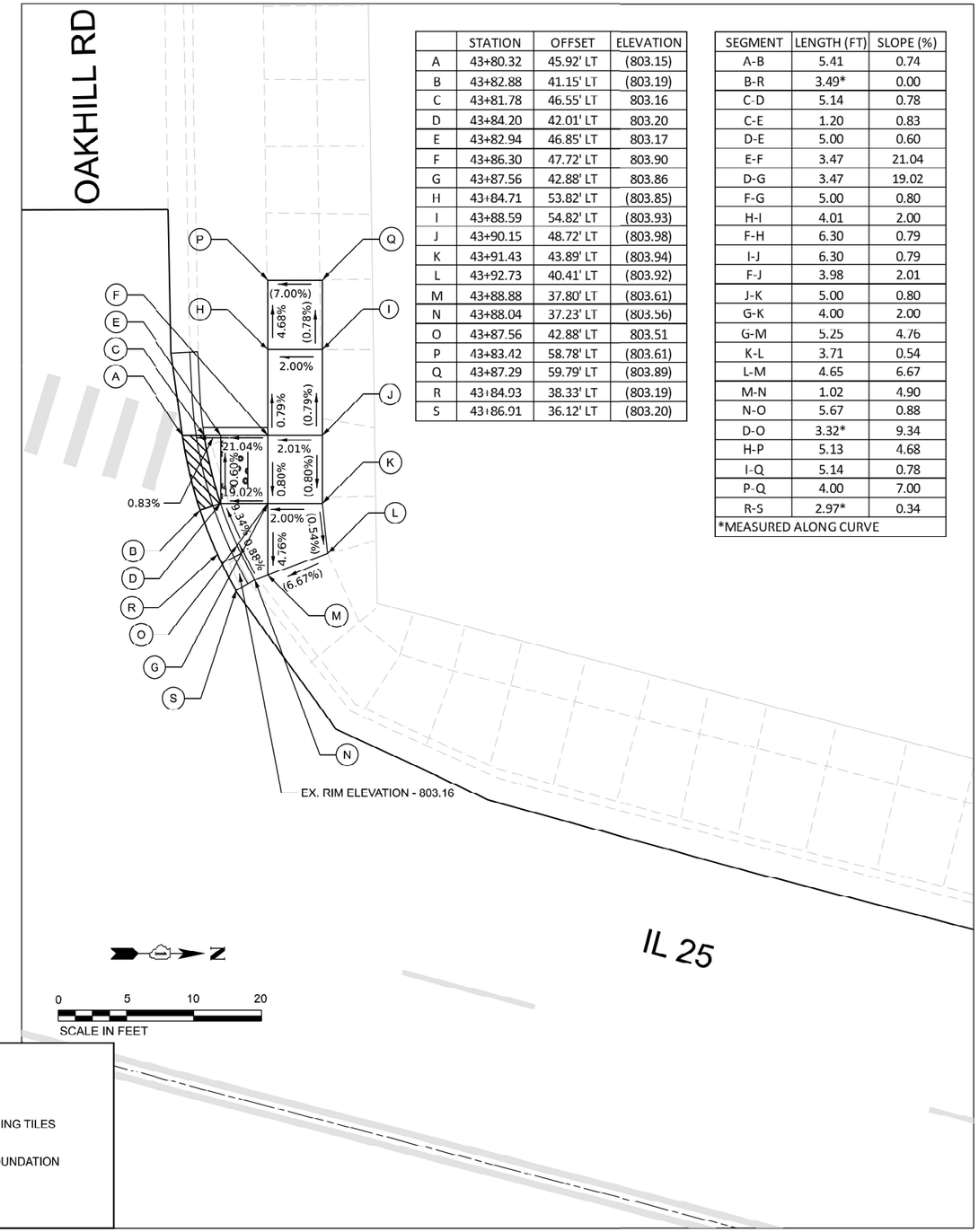
	STATION	OFFSET	ELEVATION
A	43+37.29	59.95' LT	803.87
B	43+42.14	61.21' LT	803.80
C	43+38.34	55.97' LT	803.55
D	43+43.17	57.23' LT	803.48
E	43+39.59	51.13' LT	803.18
F	43+44.43	52.39' LT	803.12
G	43+30.33	47.32' LT	803.51
H	43+30.44	42.33' LT	803.48
I	43+35.33	47.43' LT	803.17
J	43+35.44	42.43' LT	803.10
K	43+38.82	47.50' LT	803.12
L	43+38.93	42.52' LT	803.05
M	43+40.24	48.73' LT	803.15
N	43+41.98	42.56' LT	803.01
O	43+45.06	49.97' LT	803.08
P	43+43.35	41.76' LT	(803.00)
Q	43+46.59	49.57' LT	(803.07)
R	43+25.50	47.26' LT	803.82
S	43+25.55	42.43' LT	803.85
T	43+20.50	47.08' LT	(804.17)
U	43+20.55	42.53' LT	(804.23)
V	43+35.90	64.69' LT	(804.26)
W	43+40.56	66.15' LT	(804.21)



	STATION	OFFSET	ELEVATION
A	43+80.32	45.92' LT	(803.15)
B	43+82.88	41.15' LT	(803.19)
C	43+81.78	46.55' LT	803.16
D	43+84.20	42.01' LT	803.20
E	43+82.94	46.85' LT	803.17
F	43+86.30	47.72' LT	803.90
G	43+87.56	42.88' LT	803.86
H	43+84.71	53.82' LT	(803.85)
I	43+88.59	54.82' LT	(803.93)
J	43+90.15	48.72' LT	(803.98)
K	43+91.43	43.89' LT	(803.94)
L	43+92.73	40.41' LT	(803.92)
M	43+88.88	37.80' LT	(803.61)
N	43+88.04	37.23' LT	(803.56)
O	43+87.56	42.88' LT	803.51
P	43+83.42	58.78' LT	(803.61)
Q	43+87.29	59.79' LT	(803.89)
R	43+84.93	38.33' LT	(803.19)
S	43+86.91	36.12' LT	(803.20)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.41	0.74
B-R	3.49*	0.00
C-D	5.14	0.78
C-E	1.20	0.83
D-E	5.00	0.60
E-F	3.47	21.04
D-G	3.47	19.02
F-G	5.00	0.80
H-I	4.01	2.00
F-H	6.30	0.79
I-J	6.30	0.79
F-J	3.98	2.01
J-K	5.00	0.80
G-K	4.00	2.00
G-M	5.25	4.76
K-L	3.71	0.54
L-M	4.65	6.67
M-N	1.02	4.90
N-O	5.67	0.88
D-O	3.32*	9.34
H-P	5.13	4.68
I-Q	5.14	0.78
P-Q	4.00	7.00
R-S	2.97*	0.34

*MEASURED ALONG CURVE



ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: $PATDRIVER
PENTABLE: $PENTBLS
PLOT DATE: 4/22/2025
PLOTTER: $PLOTTERNAME
MODEL NAME: Default
ILL NAME: pw://ps-pw.bentley.com:pw-02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase II/004-IL 25 (I-80 to Page Ave)/90_Design/CAD/P-C/Sheets/0105125-sht-ADA-19.dgn

PLOT TIME: $TIMES

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

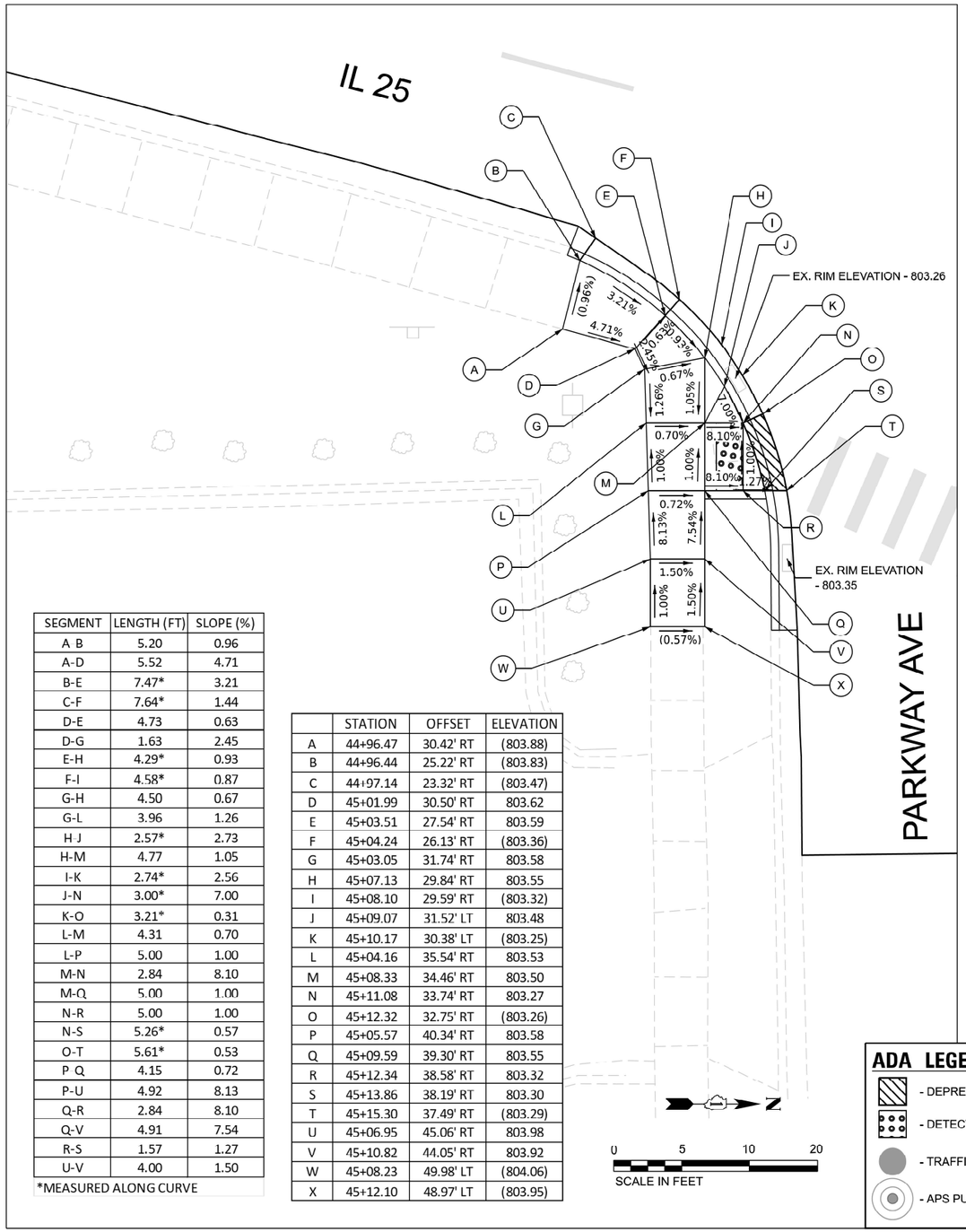
ADA CURB RAMP DETAILS
IL ROUTE 25 AT OAKHILL RD

SCALE: 1" = 5' | SHEET 19 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	46

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.20	0.96
A-D	5.52	4.71
B-E	7.47*	3.21
C-F	7.64*	1.44
D-E	4.73	0.63
D-G	1.63	2.45
E-H	4.29*	0.93
F-I	4.58*	0.87
G-H	4.50	0.67
G-L	3.96	1.26
H-J	2.57*	2.73
H-M	4.77	1.05
I-K	2.74*	2.56
J-N	3.00*	7.00
K-O	3.21*	0.31
L-M	4.31	0.70
L-P	5.00	1.00
M-N	2.84	8.10
M-Q	5.00	1.00
N-R	5.00	1.00
N-S	5.26*	0.57
O-T	5.61*	0.53
P-Q	4.15	0.72
P-U	4.92	8.13
Q-R	2.84	8.10
Q-V	4.91	7.54
R-S	1.57	1.27
U-V	4.00	1.50

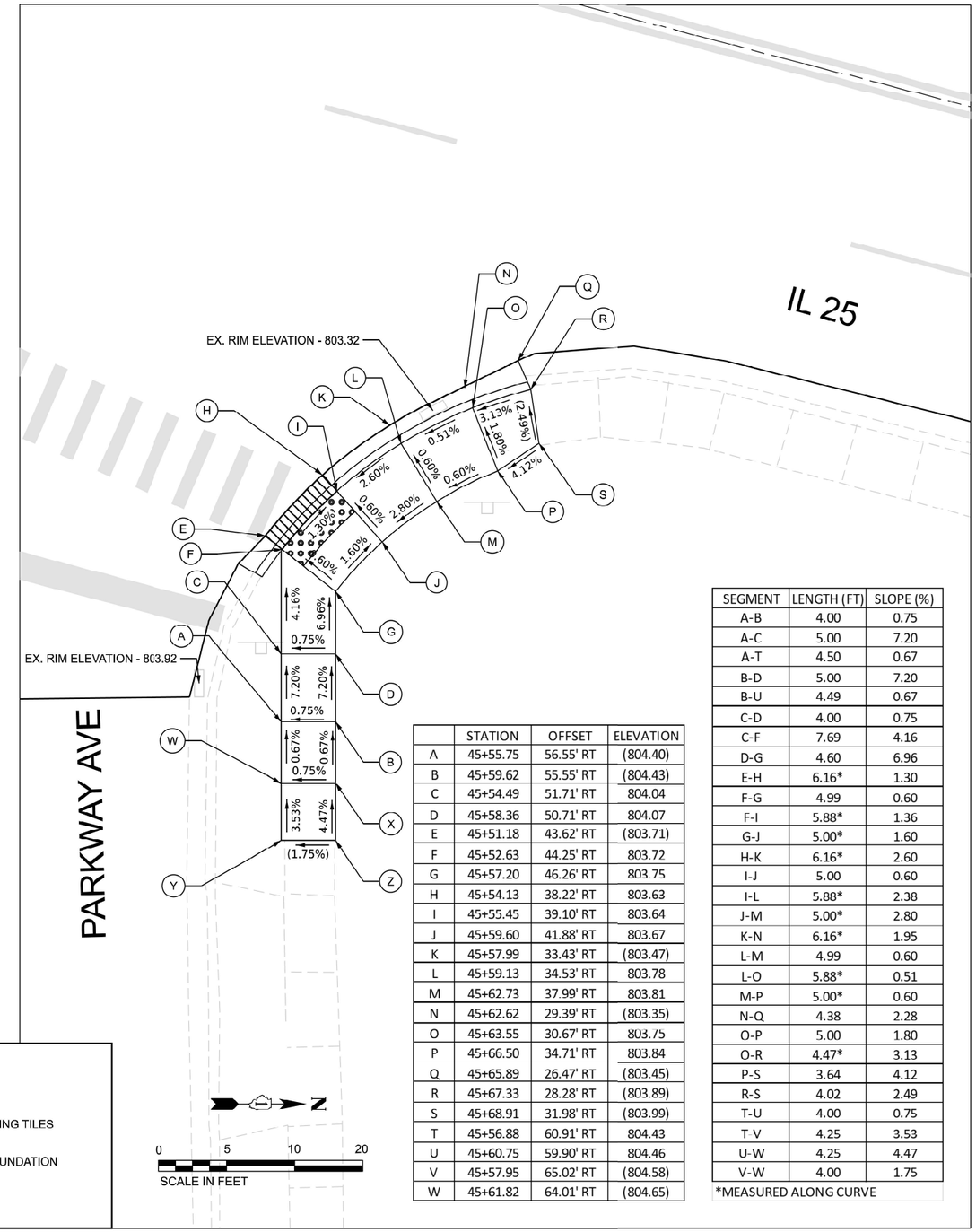
*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	44+96.47	30.42' RT	(803.88)
B	44+96.44	25.22' RT	(803.83)
C	44+97.14	23.32' RT	(803.47)
D	45+01.99	30.50' RT	803.62
E	45+03.51	27.54' RT	803.59
F	45+04.24	26.13' RT	(803.36)
G	45+03.05	31.74' RT	803.58
H	45+07.13	29.84' RT	803.55
I	45+08.10	29.59' RT	(803.32)
J	45+09.07	31.52' LT	803.48
K	45+10.17	30.38' LT	(803.25)
L	45+04.16	35.54' RT	803.53
M	45+08.33	34.46' RT	803.50
N	45+11.08	33.74' RT	803.27
O	45+12.32	32.75' RT	(803.26)
P	45+05.57	40.34' RT	803.58
Q	45+09.59	39.30' RT	803.55
R	45+12.34	38.58' RT	803.32
S	45+13.86	38.19' RT	803.30
T	45+15.30	37.49' RT	(803.29)
U	45+06.95	45.06' RT	803.98
V	45+10.82	44.05' RT	803.92
W	45+08.23	49.98' LT	(804.06)
X	45+12.10	48.97' LT	(803.95)

0 5 10 20
SCALE IN FEET

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.00	0.75
A-C	5.00	7.20
A-T	4.50	0.67
B-D	5.00	7.20
B-U	4.49	0.67
C-D	4.00	0.75
C-F	7.69	4.16
D-G	4.60	6.96
E-H	6.16*	1.30
F-G	4.99	0.60
F-I	5.88*	1.36
G-J	5.00*	1.60
H-K	6.16*	2.60
I-J	5.00	0.60
I-L	5.88*	2.38
J-M	5.00*	2.80
K-N	6.16*	1.95
L-M	4.99	0.60
L-O	5.88*	0.51
M-P	5.00*	0.60
N-Q	4.38	2.28
O-P	5.00	1.80
O-R	4.47*	3.13
P-S	3.64	4.12
R-S	4.02	2.49
T-U	4.00	0.75
T-V	4.25	3.53
U-W	4.25	4.47
V-W	4.00	1.75

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	45+55.75	56.55' RT	(804.40)
B	45+59.62	55.55' RT	(804.43)
C	45+54.49	51.71' RT	804.04
D	45+58.36	50.71' RT	804.07
E	45+51.18	43.62' RT	(803.71)
F	45+52.63	44.25' RT	803.72
G	45+57.20	46.26' RT	803.75
H	45+54.13	38.22' RT	803.63
I	45+55.45	39.10' RT	803.64
J	45+59.60	41.88' RT	803.67
K	45+57.99	33.43' RT	(803.47)
L	45+59.13	34.53' RT	803.78
M	45+62.73	37.99' RT	803.81
N	45+62.62	29.39' RT	(803.35)
O	45+63.55	30.67' RT	803.75
P	45+66.50	34.71' RT	803.84
Q	45+65.89	26.47' RT	(803.45)
R	45+67.33	28.28' RT	(803.89)
S	45+68.91	31.98' RT	(803.99)
T	45+56.88	60.91' RT	804.43
U	45+60.75	59.90' RT	804.46
V	45+57.95	65.02' RT	(804.58)
W	45+61.82	64.01' RT	(804.65)

0 5 10 20
SCALE IN FEET

PLOT DRIVER: SPITDRV15
PENTABLE: SPENTBL5
PLOT DATE: 4/22/2025 PLOT TIME: 5TIMES
PLOTTED BY: $USERNAME$
MODEL NAME: Default
FILE NAME: pw://p-pw.bentley.com:p-sw01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004- IL 25 (190 to Page Ave)/50_Design/CAD/P-C/Sheets/0105125-sht-4DA-20.dgn

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 25 AT PARKWAY AVE

SCALE: 1" = 5' | SHEET 20 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	47

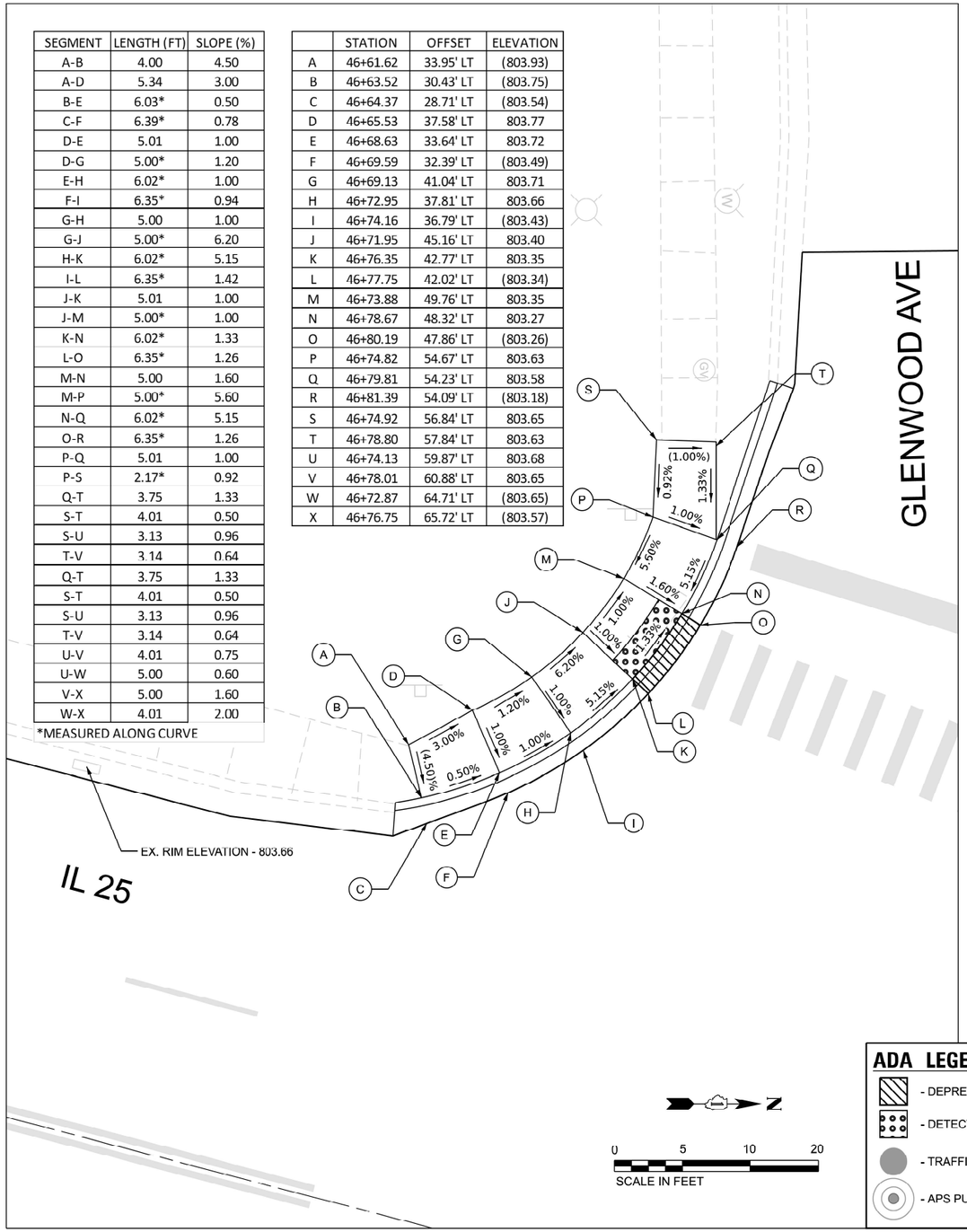
CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.00	4.50
A-D	5.34	3.00
B-E	6.03*	0.50
C-F	6.39*	0.78
D-E	5.01	1.00
D-G	5.00*	1.20
E-H	6.02*	1.00
F-I	6.35*	0.94
G-H	5.00	1.00
G-J	5.00*	6.20
H-K	6.02*	5.15
I-L	6.35*	1.42
J-K	5.01	1.00
J-M	5.00*	1.00
K-N	6.02*	1.33
L-O	6.35*	1.26
M-N	5.00	1.60
M-P	5.00*	5.60
N-Q	6.02*	5.15
O-R	6.35*	1.26
P-Q	5.01	1.00
P-S	2.17*	0.92
Q-T	3.75	1.33
S-T	4.01	0.50
S-U	3.13	0.96
T-V	3.14	0.64
Q-T	3.75	1.33
S-T	4.01	0.50
S-U	3.13	0.96
T-V	3.14	0.64
U-V	4.01	0.75
U-W	5.00	0.60
V-X	5.00	1.60
W-X	4.01	2.00

*MEASURED ALONG CURVE

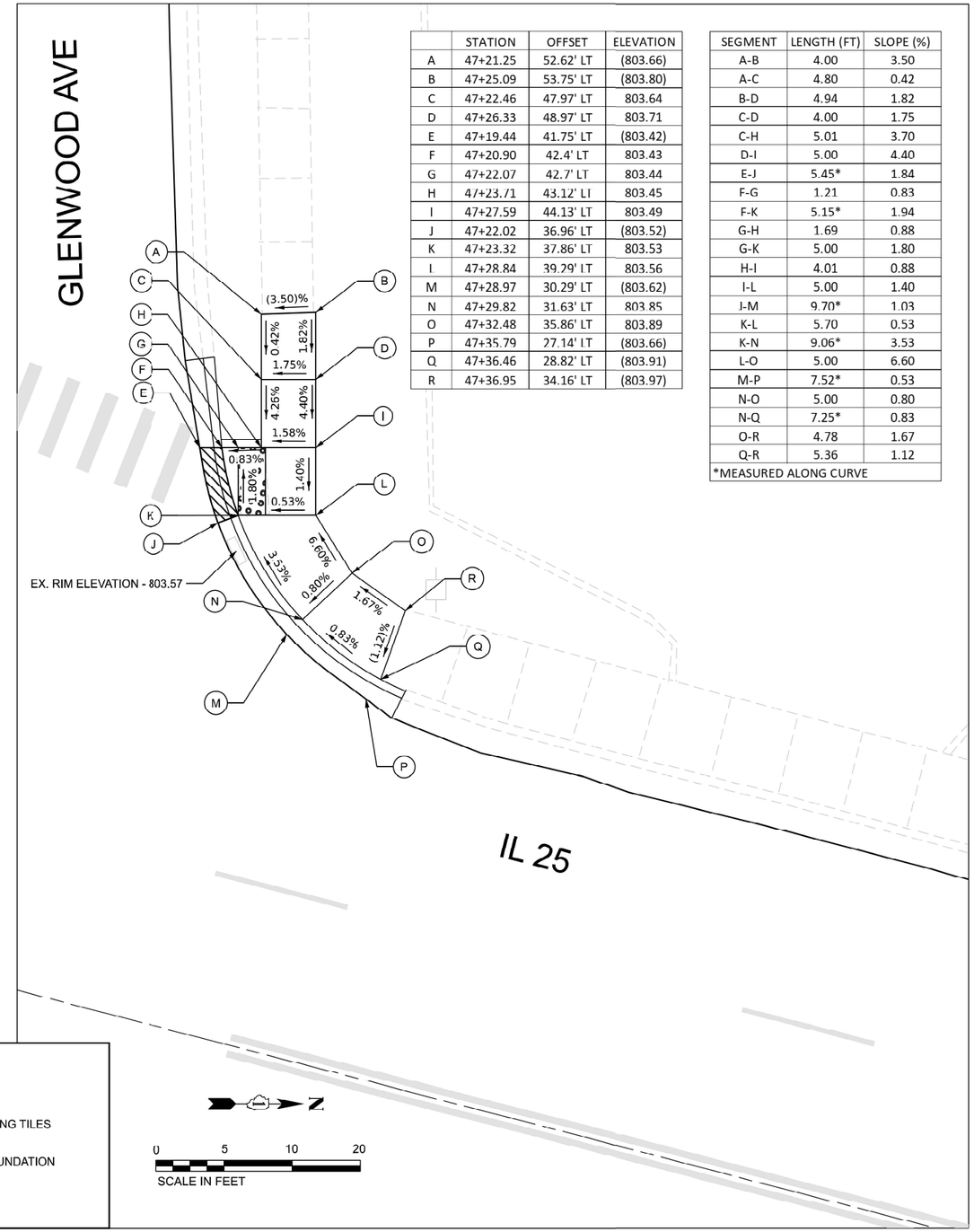
	STATION	OFFSET	ELEVATION
A	46+61.62	33.95' LT	(803.93)
B	46+63.52	30.43' LT	(803.75)
C	46+64.37	28.71' LT	(803.54)
D	46+65.53	37.58' LT	803.77
E	46+68.63	33.64' LT	803.72
F	46+69.59	32.39' LT	(803.49)
G	46+69.13	41.04' LT	803.71
H	46+72.95	37.81' LT	803.66
I	46+74.16	36.79' LT	(803.43)
J	46+71.95	45.16' LT	803.40
K	46+76.35	42.77' LT	803.35
L	46+77.75	42.02' LT	(803.34)
M	46+73.88	49.76' LT	803.35
N	46+78.67	48.32' LT	803.27
O	46+80.19	47.86' LT	(803.26)
P	46+74.82	54.67' LT	803.63
Q	46+79.81	54.23' LT	803.58
R	46+81.39	54.09' LT	(803.18)
S	46+74.92	56.84' LT	803.65
T	46+78.80	57.84' LT	803.63
U	46+74.13	59.87' LT	803.68
V	46+78.01	60.88' LT	803.65
W	46+72.87	64.71' LT	(803.65)
X	46+76.75	65.72' LT	(803.57)



	STATION	OFFSET	ELEVATION
A	47+21.25	52.62' LT	(803.66)
B	47+25.09	53.75' LT	(803.80)
C	47+22.46	47.97' LT	803.64
D	47+26.33	48.97' LT	803.71
E	47+19.44	41.75' LT	(803.42)
F	47+20.90	42.4' LT	803.43
G	47+22.07	42.7' LT	803.44
H	47+23.71	43.12' LT	803.45
I	47+27.59	44.13' LT	803.49
J	47+22.02	36.96' LT	(803.52)
K	47+23.32	37.86' LT	803.53
L	47+28.84	39.29' LT	803.56
M	47+28.97	30.29' LT	(803.62)
N	47+29.82	31.63' LT	803.85
O	47+32.48	35.86' LT	803.89
P	47+35.79	27.14' LT	(803.66)
Q	47+36.46	28.82' LT	(803.91)
R	47+36.95	34.16' LT	(803.97)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.00	3.50
A-C	4.80	0.42
B-D	4.94	1.82
C-D	4.00	1.75
C-H	5.01	3.70
D-I	5.00	4.40
E-J	5.45*	1.84
F-G	1.21	0.83
F-K	5.15*	1.94
G-H	1.69	0.88
G-K	5.00	1.80
H-I	4.01	0.88
I-L	5.00	1.40
J-M	9.70*	1.03
K-L	5.70	0.53
K-N	9.06*	3.53
L-O	5.00	6.60
M-P	7.52*	0.53
N-O	5.00	0.80
N-Q	7.25*	0.83
O-R	4.78	1.67
Q-R	5.36	1.12

*MEASURED ALONG CURVE



ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

N

0 5 10 20
SCALE IN FEET

N

0 5 10 20
SCALE IN FEET

PLOT DRIVER: CPDTORIA5
PENTABLE: SPENTBL5
PLOT DATE: 4/22/2025
PLOT TIME: 5TIMES
PLOT TYPE: 5SCALEMES
MODEL NAME: 5pc-bilt
FILE NAME: pw://ps-pw.bentley.com:pw-cs-ow-01/Documents/Projects/24-C003-IDOT 211 Item 2 Various Phase II/004-IL 25 (I-90 to Page Ave)\50_Design\CAD\P-C\Sheets\0105125-sht-ADA-21.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE5

Peralte-Clark LLC

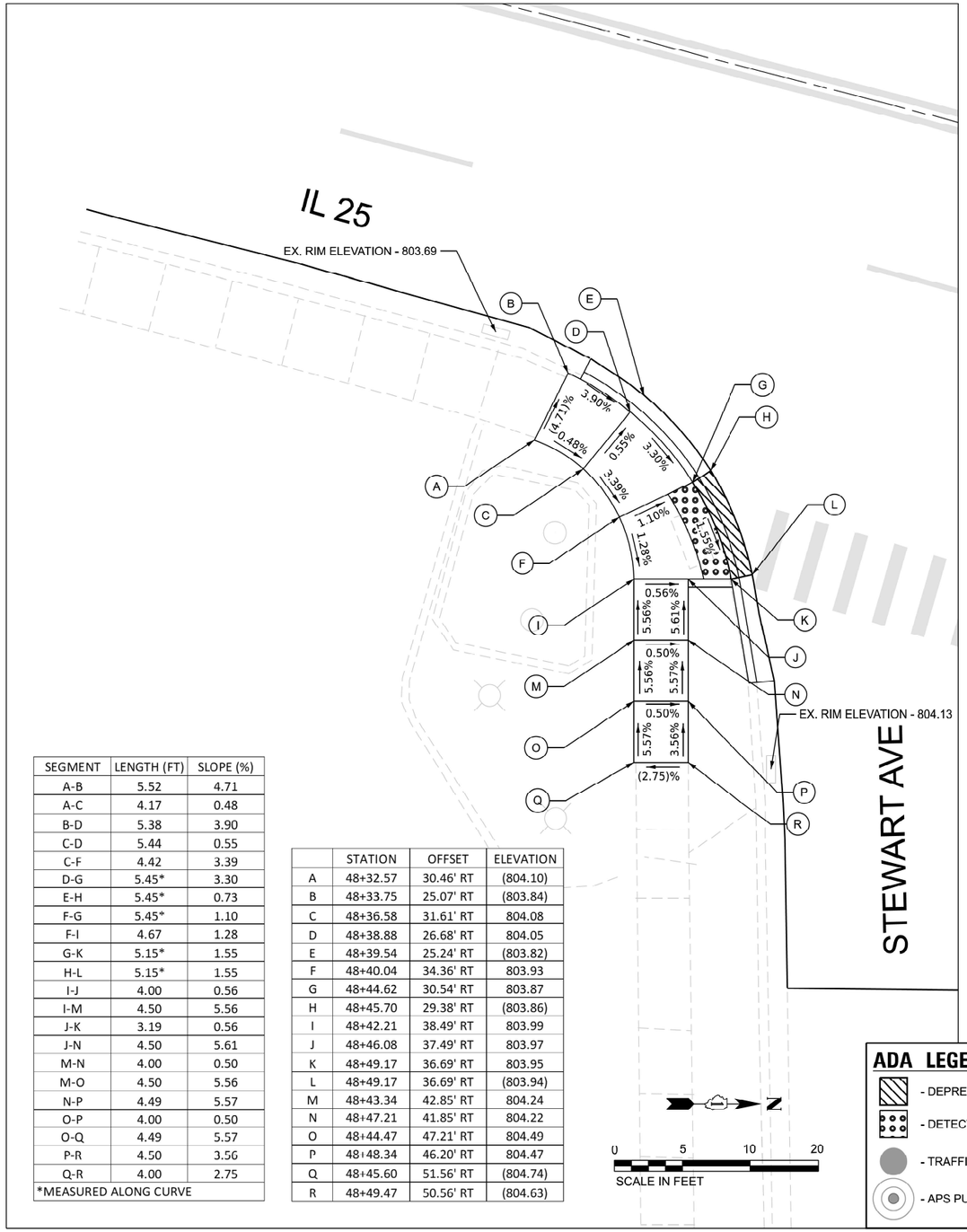
USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 25 AT GLENWOOD AVE

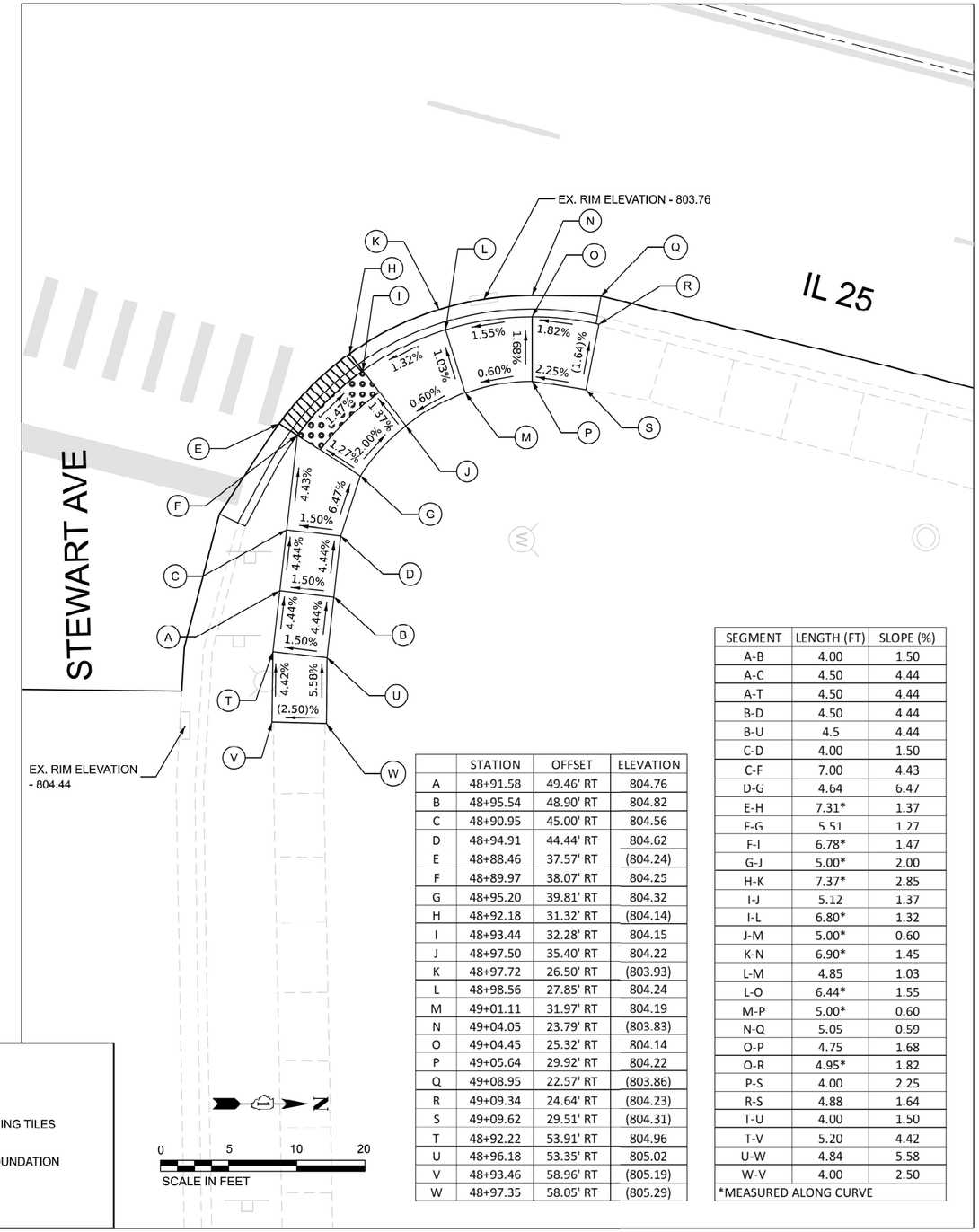
SCALE: 1" = 5' | SHEET 21 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	48
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.52	4.71
A-C	4.17	0.48
B-D	5.38	3.90
C-D	5.44	0.55
C-F	4.42	3.39
D-G	5.45*	3.30
E-H	5.45*	0.73
F-G	5.45*	1.10
F-I	4.67	1.28
G-K	5.15*	1.55
H-L	5.15*	1.55
I-J	4.00	0.56
I-M	4.50	5.56
J-K	3.19	0.56
J-N	4.50	5.61
M-N	4.00	0.50
M-O	4.50	5.56
N-P	4.49	5.57
O-P	4.00	0.50
O-Q	4.49	5.57
P-R	4.50	3.56
Q-R	4.00	2.75
*MEASURED ALONG CURVE		

	STATION	OFFSET	ELEVATION
A	48+32.57	30.46' RT	(804.10)
B	48+33.75	25.07' RT	(803.84)
C	48+36.58	31.61' RT	804.08
D	48+38.88	26.68' RT	804.05
E	48+39.54	25.24' RT	(803.82)
F	48+40.04	34.36' RT	803.93
G	48+44.62	30.54' RT	803.87
H	48+45.70	29.38' RT	(803.86)
I	48+42.21	38.49' RT	803.99
J	48+46.08	37.49' RT	803.97
K	48+49.17	36.69' RT	803.95
L	48+49.17	36.69' RT	(803.94)
M	48+43.34	42.85' RT	804.24
N	48+47.21	41.85' RT	804.22
O	48+44.47	47.21' RT	804.49
P	48+48.34	46.20' RT	804.47
Q	48+45.60	51.56' RT	(804.74)
R	48+49.47	50.56' RT	(804.63)



	STATION	OFFSET	ELEVATION
A	48+91.58	49.46' RT	804.76
B	48+95.54	48.90' RT	804.82
C	48+90.95	45.00' RT	804.56
D	48+94.91	44.44' RT	804.62
E	48+88.46	37.57' RT	(804.24)
F	48+89.97	38.07' RT	804.25
G	48+95.20	39.81' RT	804.32
H	48+92.18	31.32' RT	(804.14)
I	48+93.44	32.28' RT	804.15
J	48+97.50	35.40' RT	804.22
K	48+97.72	26.50' RT	(803.93)
L	48+98.56	27.85' RT	804.24
M	49+01.11	31.97' RT	804.19
N	49+04.05	23.79' RT	(803.83)
O	49+04.45	25.32' RT	804.14
P	49+05.64	29.92' RT	804.22
Q	49+08.95	22.57' RT	(803.86)
R	49+09.34	24.64' RT	(804.23)
S	49+09.62	29.51' RT	(804.31)
T	48+92.22	53.91' RT	804.96
U	48+96.18	53.35' RT	805.02
V	48+93.46	58.96' RT	(805.19)
W	48+97.35	58.05' RT	(805.29)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.00	1.50
A-C	4.50	4.44
A-T	4.50	4.44
B-D	4.50	4.44
B-U	4.5	4.44
C-D	4.00	1.50
C-F	7.00	4.43
D-G	4.64	6.47
E-H	7.31*	1.37
F-G	5.51	1.27
F-I	6.78*	1.47
G-J	5.00*	2.00
H-K	7.37*	2.85
I-J	5.12	1.37
I-L	6.80*	1.32
J-M	5.00*	0.60
K-N	6.90*	1.45
L-M	4.85	1.03
L-O	6.44*	1.55
M-P	5.00*	0.60
N-Q	5.05	0.59
O-P	4.75	1.68
O-R	4.95*	1.82
P-S	4.00	2.25
R-S	4.88	1.64
T-U	4.00	1.50
T-V	5.20	4.42
U-W	4.84	5.58
V-W	4.00	2.50
*MEASURED ALONG CURVE		

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: SPNTDRVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOT TIME: 15:29:04
MODEL NAME: Default
ILL NAME: pw://p-cpw.bentley.com:p-cpw01/Documents/Projects/24-0003 - IDOT 211 Item 2 Various Phase I//004 - IL 25 (I-80 to Page Ave)/SD_Design*CAD/P-C/Sheets/0105125-sht-xDx-22.dgn
PLOT TIVE: STIMES
PLOT SCALE: 10.000 ' / in.
PAGE SIZE: SSHEETSIZES

Peralte-Clark LLC

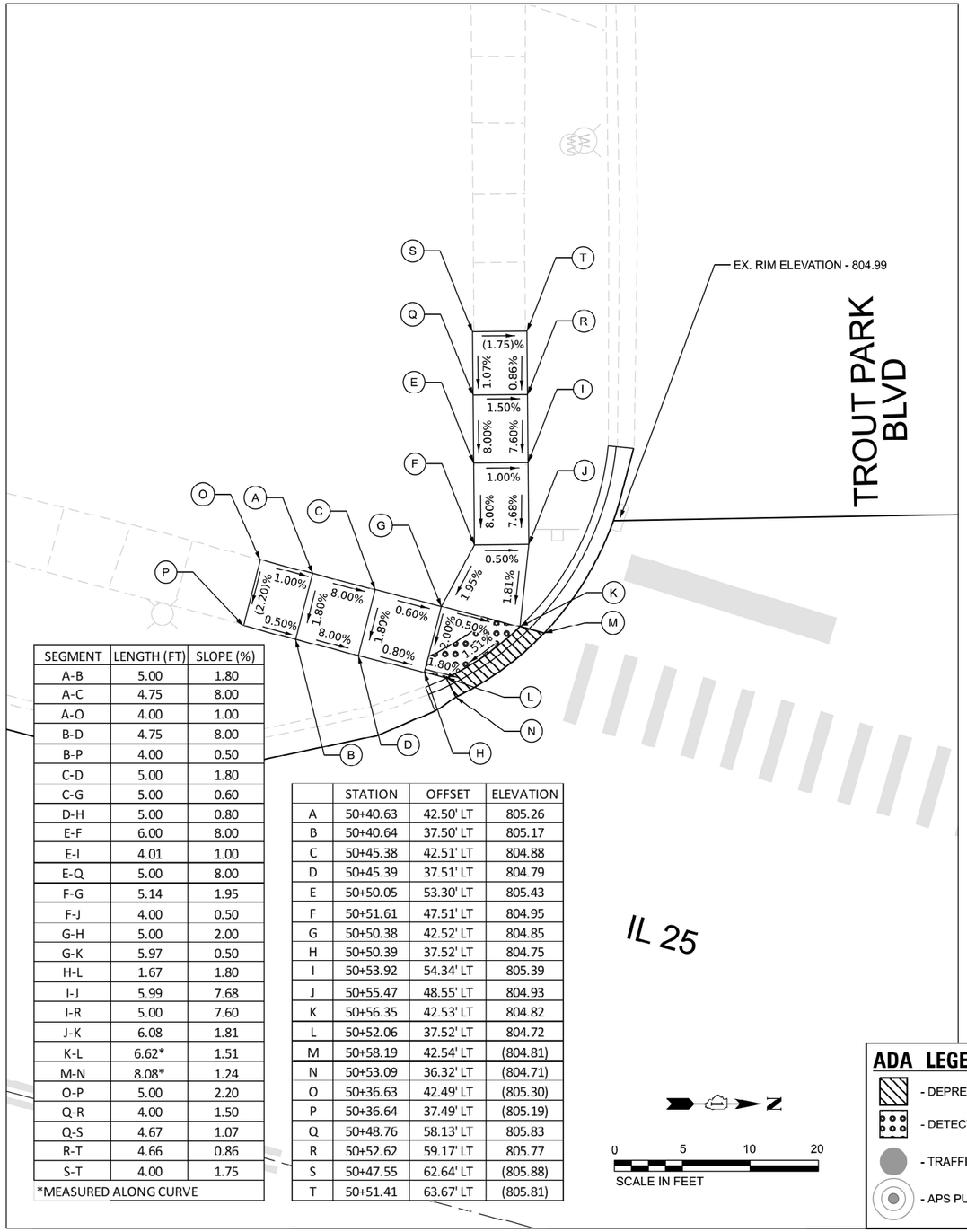
USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 25 AT STEWART AVE

SCALE: 1" = 5' | SHEET 22 OF 24 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	49
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



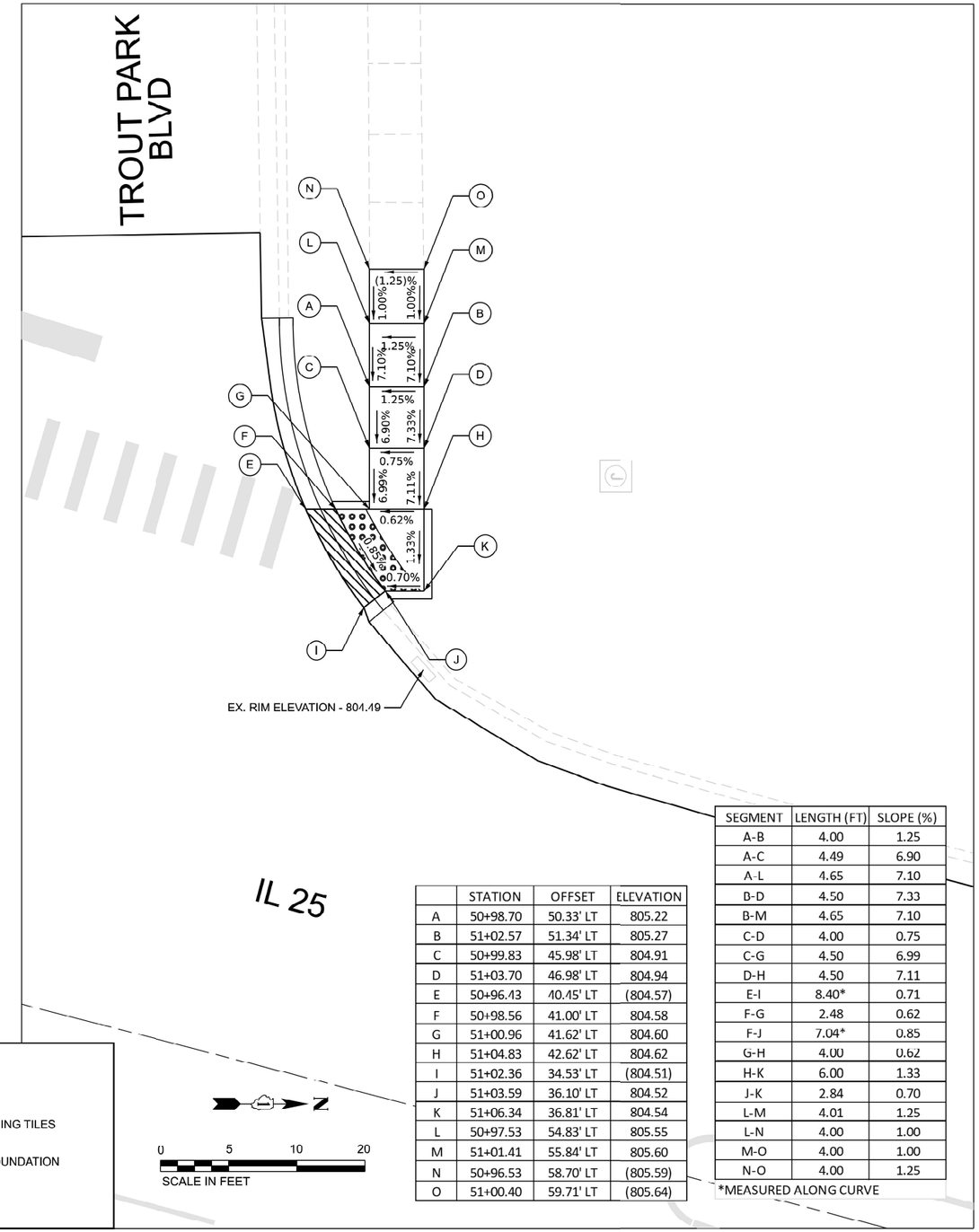
SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.00	1.80
A-C	4.75	8.00
A-O	4.00	1.00
B-D	4.75	8.00
B-P	4.00	0.50
C-D	5.00	1.80
C-G	5.00	0.60
D-H	5.00	0.80
E-F	6.00	8.00
E-I	4.01	1.00
E-Q	5.00	8.00
F-G	5.14	1.95
F-J	4.00	0.50
G-H	5.00	2.00
G-K	5.97	0.50
H-L	1.67	1.80
I-J	5.99	7.68
I-R	5.00	7.60
J-K	6.08	1.81
K-L	6.62*	1.51
M-N	8.08*	1.24
O-P	5.00	2.20
Q-R	4.00	1.50
Q-S	4.67	1.07
R-T	4.66	0.86
S-T	4.00	1.75

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	50+40.63	42.50' LT	805.26
B	50+40.64	37.50' LT	805.17
C	50+45.38	42.51' LT	804.88
D	50+45.39	37.51' LT	804.79
E	50+50.05	53.30' LT	805.43
F	50+51.61	47.51' LT	804.95
G	50+50.38	42.52' LT	804.85
H	50+50.39	37.52' LT	804.75
I	50+53.92	54.34' LT	805.39
J	50+55.47	48.55' LT	804.93
K	50+56.35	42.53' LT	804.82
L	50+52.06	37.52' LT	804.72
M	50+58.19	42.54' LT	(804.81)
N	50+53.09	36.32' LT	(804.71)
O	50+36.63	42.49' LT	(805.30)
P	50+36.64	37.49' LT	(805.19)
Q	50+48.76	58.13' LT	805.83
R	50+52.62	59.17' LT	805.77
S	50+47.55	62.64' LT	(805.88)
T	50+51.41	63.67' LT	(805.81)

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	4.00	1.25
A-C	4.49	6.90
A-L	4.65	7.10
B-D	4.50	7.33
B-M	4.65	7.10
C-D	4.00	0.75
C-G	4.50	6.99
D-H	4.50	7.11
E-I	8.40*	0.71
F-G	2.48	0.62
F-J	7.04*	0.85
G-H	4.00	0.62
H-K	6.00	1.33
J-K	2.84	0.70
L-M	4.01	1.25
L-N	4.00	1.00
M-O	4.00	1.00
N-O	4.00	1.25

*MEASURED ALONG CURVE

	STATION	OFFSET	ELEVATION
A	50+98.70	50.33' LT	805.22
B	51+02.57	51.34' LT	805.27
C	50+99.83	45.98' LT	804.91
D	51+03.70	46.98' LT	804.94
E	50+96.43	40.45' LT	(804.57)
F	50+98.56	41.00' LT	804.58
G	51+00.96	41.62' LT	804.60
H	51+04.83	42.62' LT	804.62
I	51+02.36	34.53' LT	(804.51)
J	51+03.59	36.10' LT	804.52
K	51+06.34	36.81' LT	804.54
L	50+97.53	54.83' LT	805.55
M	51+01.41	55.84' LT	805.60
N	50+96.53	58.70' LT	(805.59)
O	51+00.40	59.71' LT	(805.64)

PLOT DRIVER: SPLTDRIVLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025 PLOT TIME: 5TIMES
PLOTTED BY: $USERNAME$
MODEL NAME: Default
FILE NAME: pw://p-pw.bentley.com:p-c-sw-01/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/004- IL 25 (I-90 to Page Ave)/50_Design/CAD/P-C/Sheets/0100125-sht-ADA-23.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

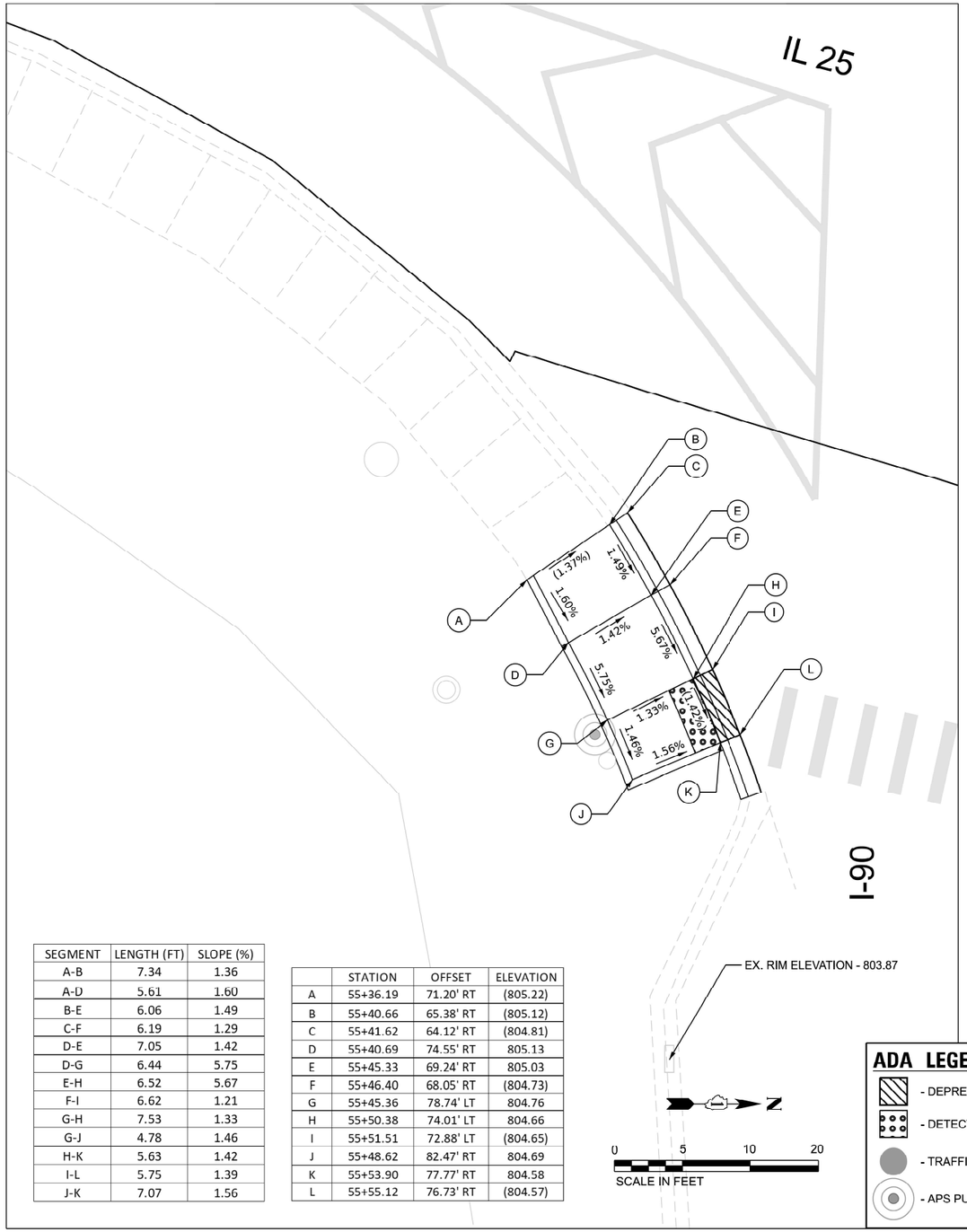
ADA CURB RAMP DETAILS
IL ROUTE 25 AT TROUT PARK BLVD

SCALE: 1" = 5' | SHEET 23 OF 24 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	50

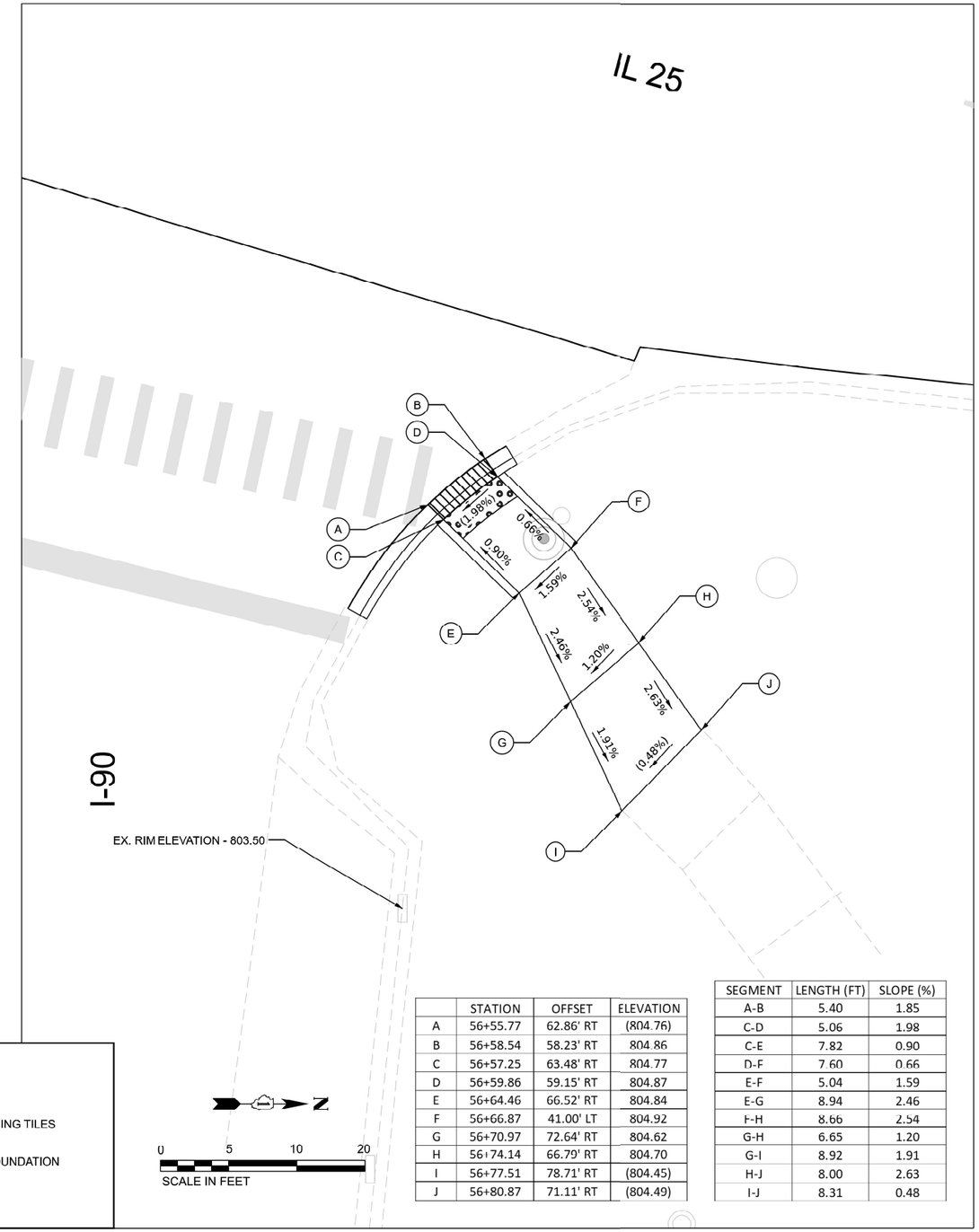
CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	7.34	1.36
A-D	5.61	1.60
B-E	6.06	1.49
C-F	6.19	1.29
D-E	7.05	1.42
D-G	6.44	5.75
E-H	6.52	5.67
F-I	6.62	1.21
G-H	7.53	1.33
G-J	4.78	1.46
H-K	5.63	1.42
I-L	5.75	1.39
J-K	7.07	1.56

	STATION	OFFSET	ELEVATION
A	55+36.19	71.20' RT	(805.22)
B	55+40.66	65.38' RT	(805.12)
C	55+41.62	64.12' RT	(804.81)
D	55+40.69	74.55' RT	805.13
E	55+45.33	69.24' RT	805.03
F	55+46.40	68.05' RT	(804.73)
G	55+45.36	78.74' LT	804.76
H	55+50.38	74.01' LT	804.66
I	55+51.51	72.88' LT	(804.65)
J	55+48.62	82.47' RT	804.69
K	55+53.90	77.77' RT	804.58
L	55+55.12	76.73' RT	(804.57)



	STATION	OFFSET	ELEVATION
A	56+55.77	62.86' RT	(804.76)
B	56+58.54	58.23' RT	804.86
C	56+57.25	63.48' RT	804.77
D	56+59.86	59.15' RT	804.87
E	56+64.46	66.52' RT	804.84
F	56+66.87	41.00' LT	804.92
G	56+70.97	72.64' RT	804.62
H	56+74.14	66.79' RT	804.70
I	56+77.51	78.71' RT	(804.45)
J	56+80.87	71.11' RT	(804.49)

SEGMENT	LENGTH (FT)	SLOPE (%)
A-B	5.40	1.85
C-D	5.06	1.98
C-E	7.82	0.90
D-F	7.60	0.66
E-F	5.04	1.59
E-G	8.94	2.46
F-H	8.66	2.54
G-H	6.65	1.20
G-I	8.92	1.91
H-J	8.00	2.63
I-J	8.31	0.48

ADA LEGEND

- DEPRESSED CURB
- DETECTABLE WARNING TILES
- TRAFFIC SIGNAL FOUNDATION
- APS PUSH BUTTON

PLOT DRIVER: $PDTDRIVER
PENTABLE: $PENTBLS
PLOT DATE: 4/22/2025
PLOTTED BY: $USERNAME
MODEL NAME: Default
PLOT TIME: $TIME
ILL NAME: pw://ps-pw-01.bentley.com:pw-01/Documents/Projects/24-0003 - IDOT 211 Item 2 Various Phase I//004 - IL 25 (I-90 to Page Ave)/SO_Design/CAD/P-C/Sheets/D105125-sht-ADA-24.dgn

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZES

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - MGT, NJL, BJD	REVISED -	
	DRAWN - MGT, NJL, BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, BT, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP DETAILS
IL ROUTE 25 AT I-90 ON/OFF RAMP

SCALE: 1" = 5' | SHEET 24 OF 24 SHEETS | STA. TO STA.

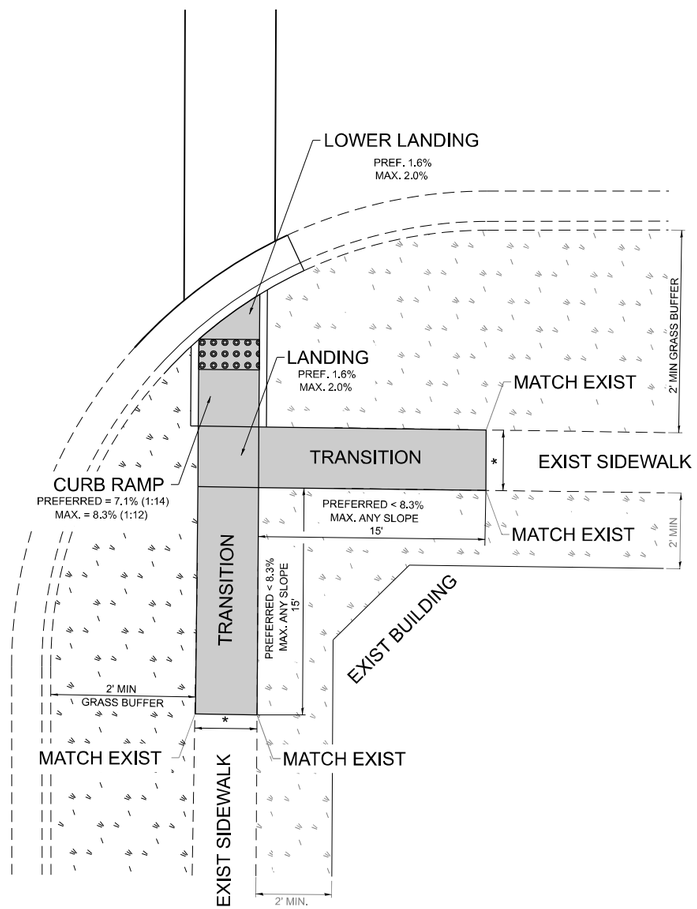
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	51

CONTRACT NO. 62X59

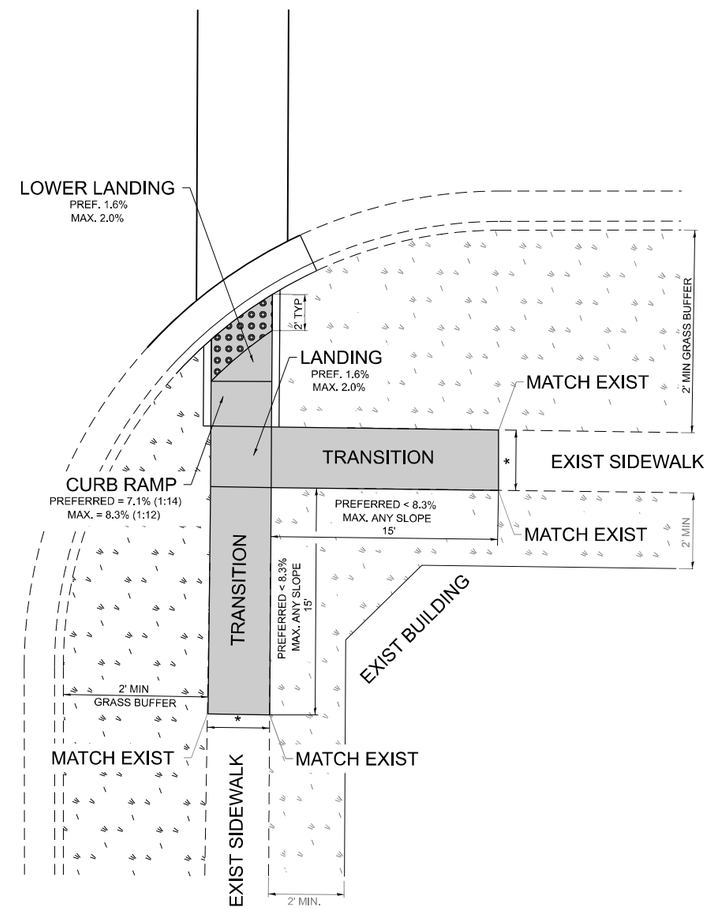
ILLINOIS | FED. AID PROJECT

ADA DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS W/ TURNING SPACE

PD-04A



PD-04B



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

MODEL: PD-04 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED -	
	DRAWN - R. LEDEZMA	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/5/2025	DATE - 10/02/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

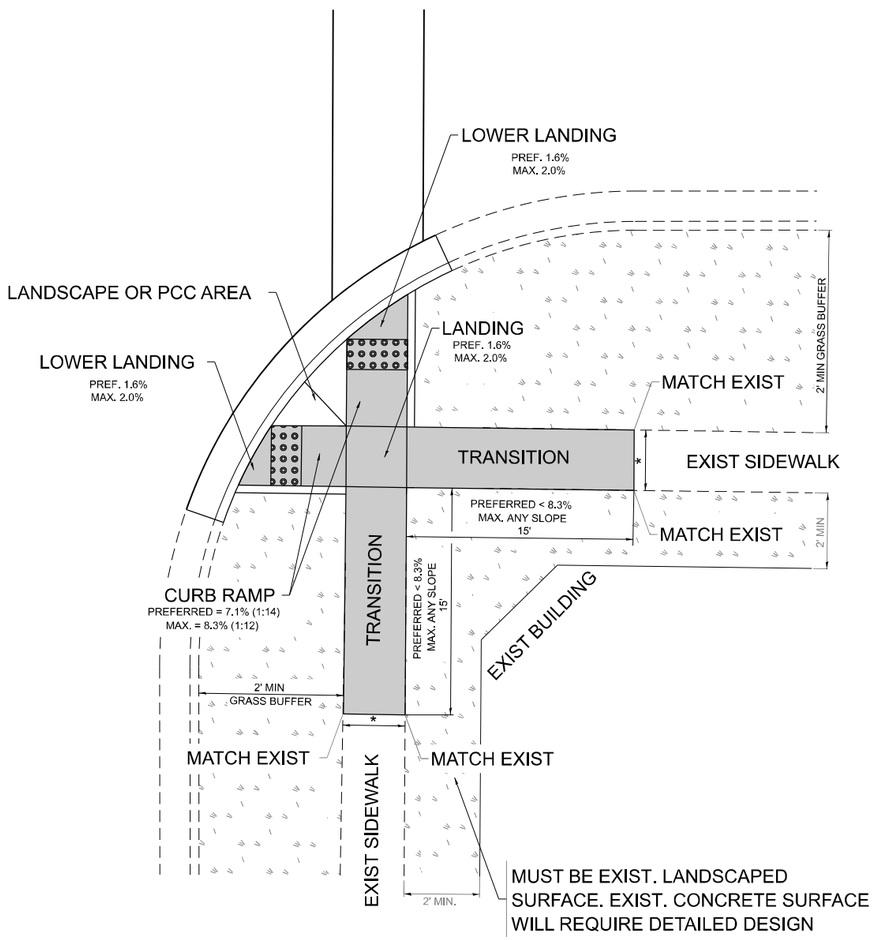
PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS WITH TURNING SPACE (PD-04)

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

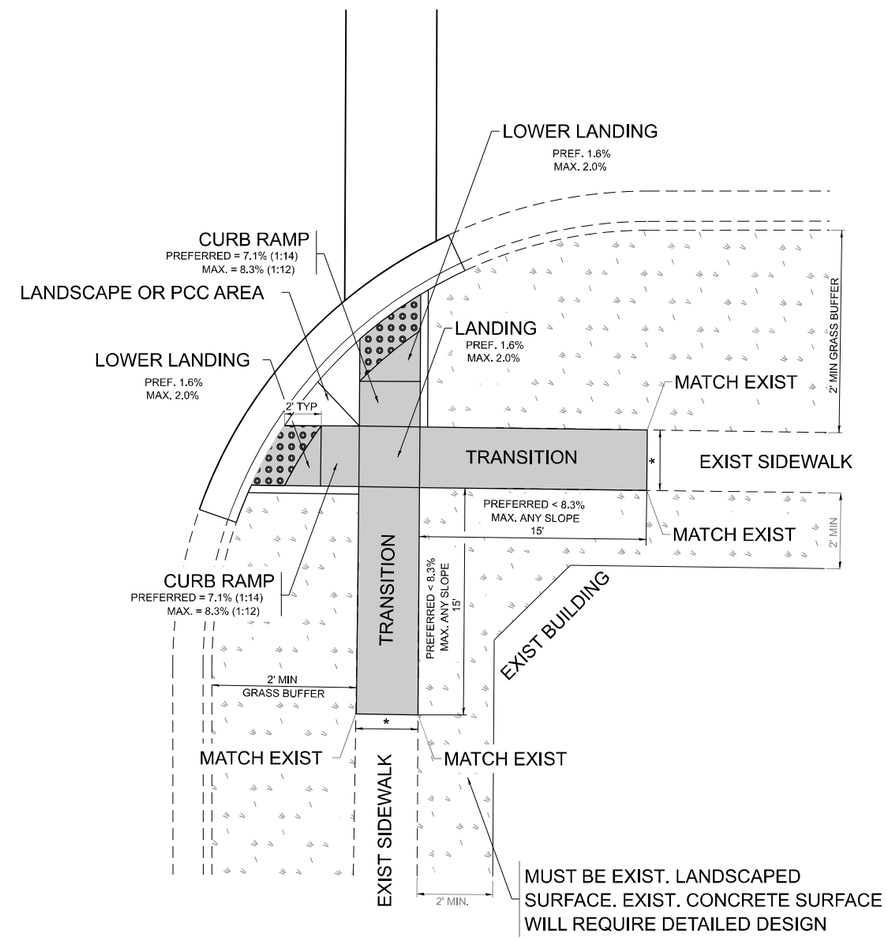
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	52
	PD-04	CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

ADA DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS

PD-03A



PD-03B



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

MODEL: PD-03 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-DistStds.dgn

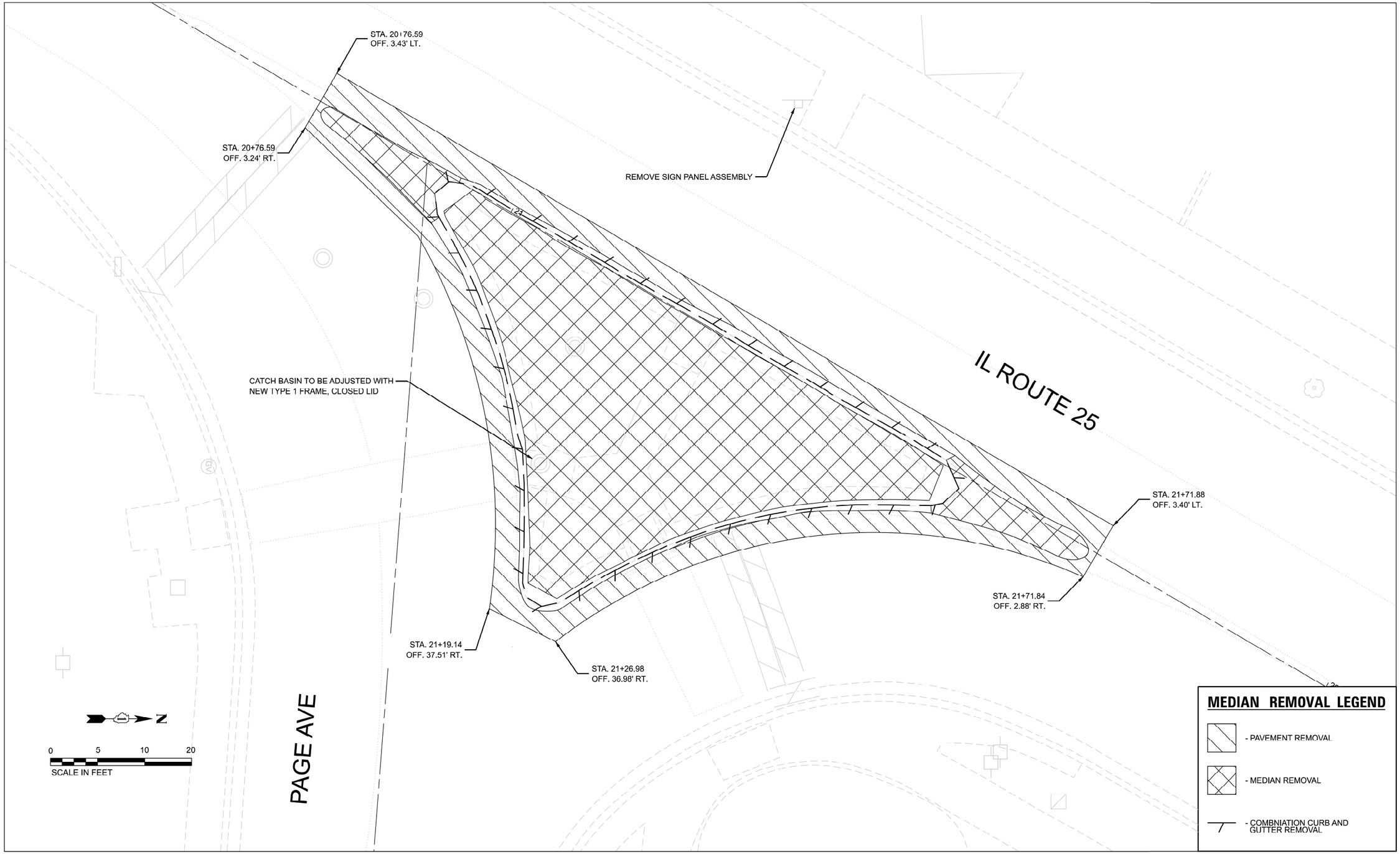
USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN - R. LEDEZMA	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/5/2025	DATE - 10/02/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS (PD-03)

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	53
	PD-03	CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		



PLOT DRIVER: SPKTDRV15
PENTABLE: SPENTBL.S
PLOT DATE: 4/22/2025 PLOT TIME: 9:38:57 AM
PLOT TYPE: MODEL/LAYOUTS
MODEL NAME: Default
ILL NAME: pw://p-c-pw.bentley.com:pc-pw-02/Documents/Projects/24-0003-IDOT 211 Item 2 Various Phase I/0004-IL 25 (E90to Page Ave)/50_Design/CADP-C/Sheets/0105125-sht-Median-Page-Removal

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - BJD	REVISED -	
	DRAWN - BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

PLOT SCALE: 10.000 ' / in. PAGE SIZE: $$SHEETSIZE$

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

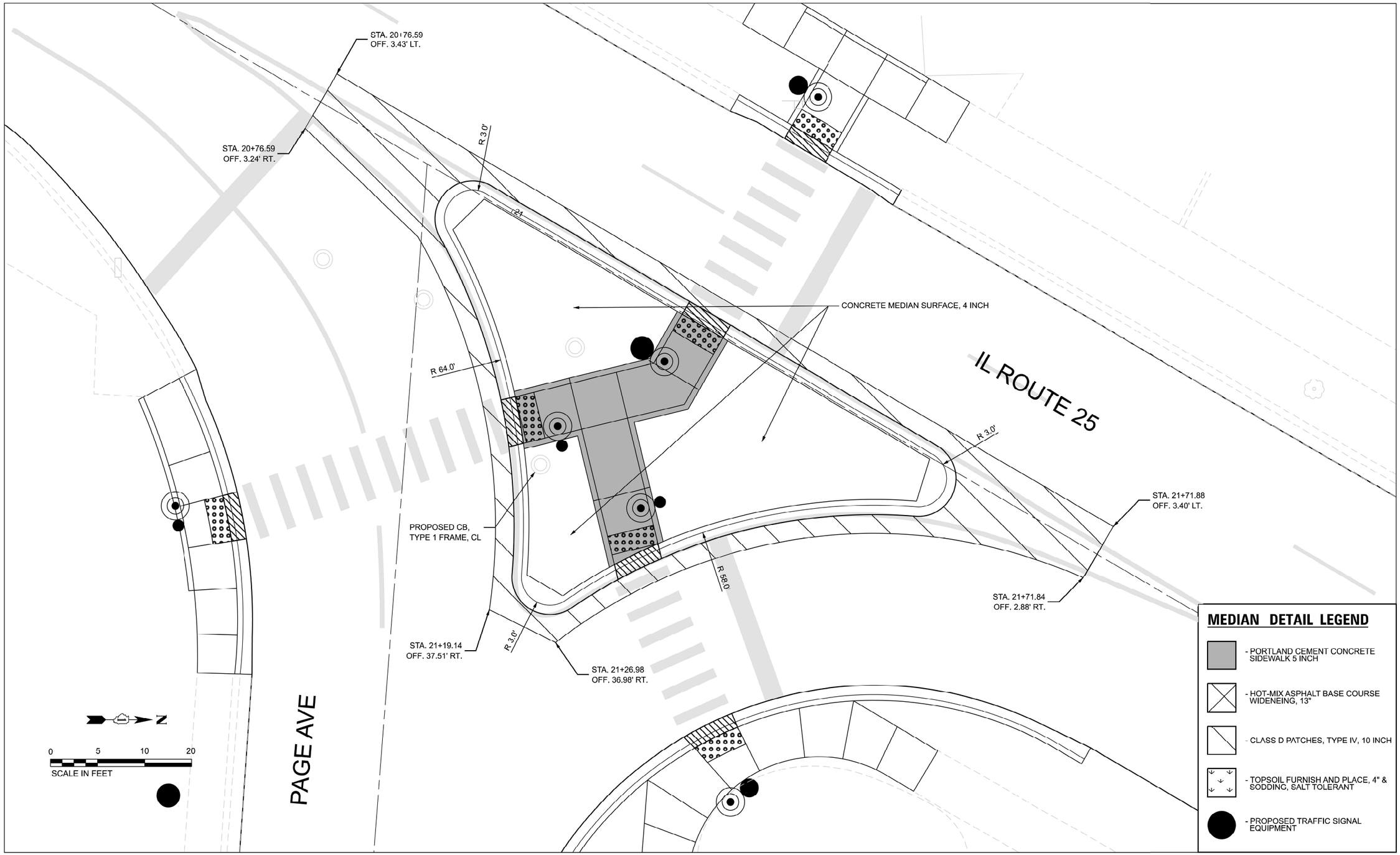
MEDIAN DETAILS
IL ROUTE 25 AND PAGE AVE

SCALE: 1" = 5' | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	54

CONTRACT NO. 62X59

ILLINOIS | FED. AID PROJECT



PLOT DRIVER: SINTORWLS
PENTABLE: SPENTBLS
PLOT DATE: 4/22/2025
PLOT TIME: 3:09:00 PM
MODEL NAME: Default
PLOT TIME: STIMES
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Peralte-Clark LLC

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	DRAWN - BJD	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN DETAILS
IL ROUTE 25 AND PAGE AVE

SCALE: 1" = 5' | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	55
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

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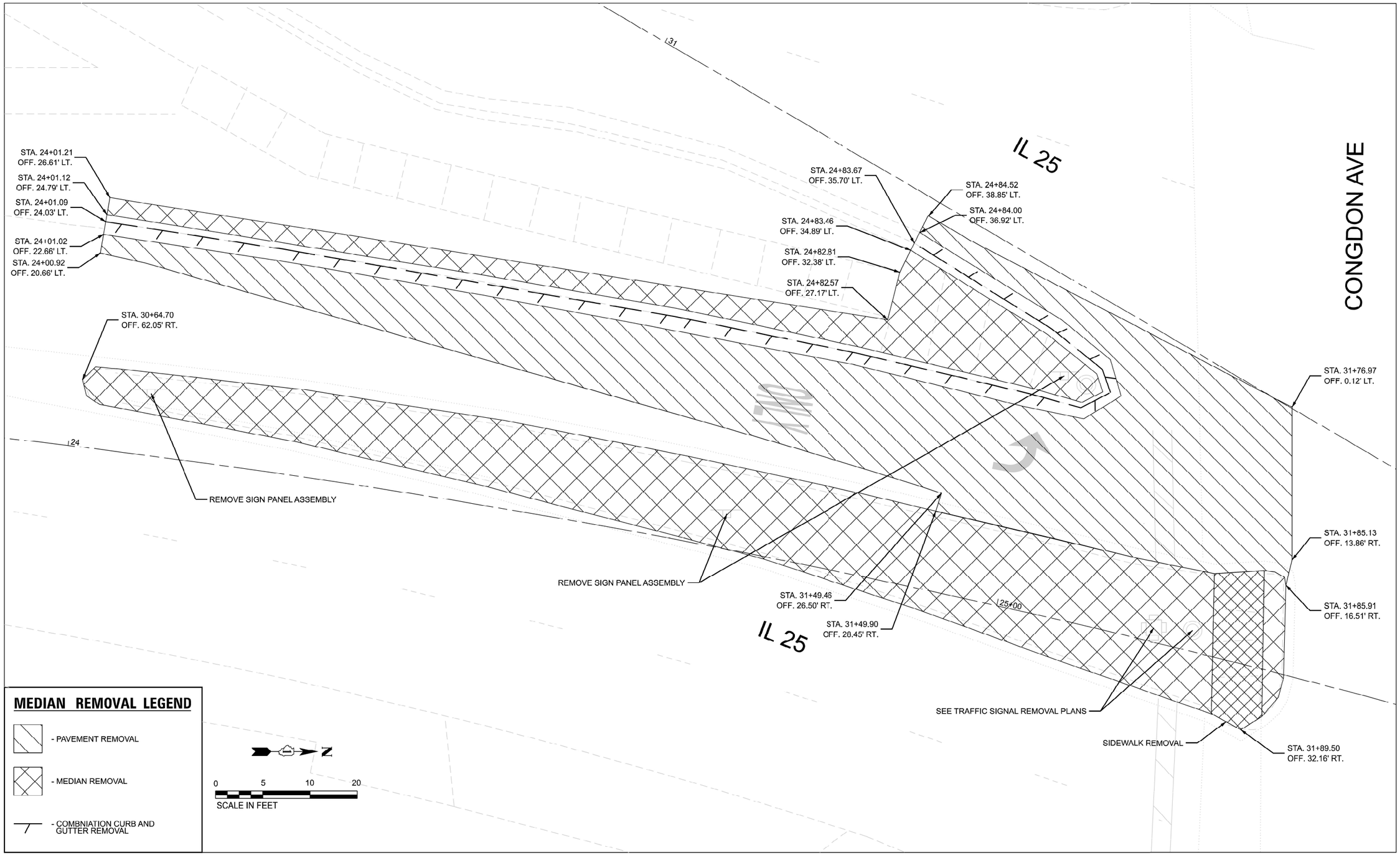

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PENTABLE: SPENTBLLS
PLOT DATE: 4/22/2025 PLOT TIME: STIMES
PLOT CTRL: SPVCTRLNAMES
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PLOT SCALE: 10.000 ' / in. PAGE SIZE: $SHEETSIZE$

Peralte-Clark LLC

USER NAME = brandon.dengel	DESIGNED - BJD	REVISED -	
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PLOT SCALE = 10.000 ' / in.	CHECKED - MJJ, CMP	REVISED -	
PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN REMOVAL DETAIL
IL ROUTE 25 AND CONGDON AVE

SCALE: 1" = 5' | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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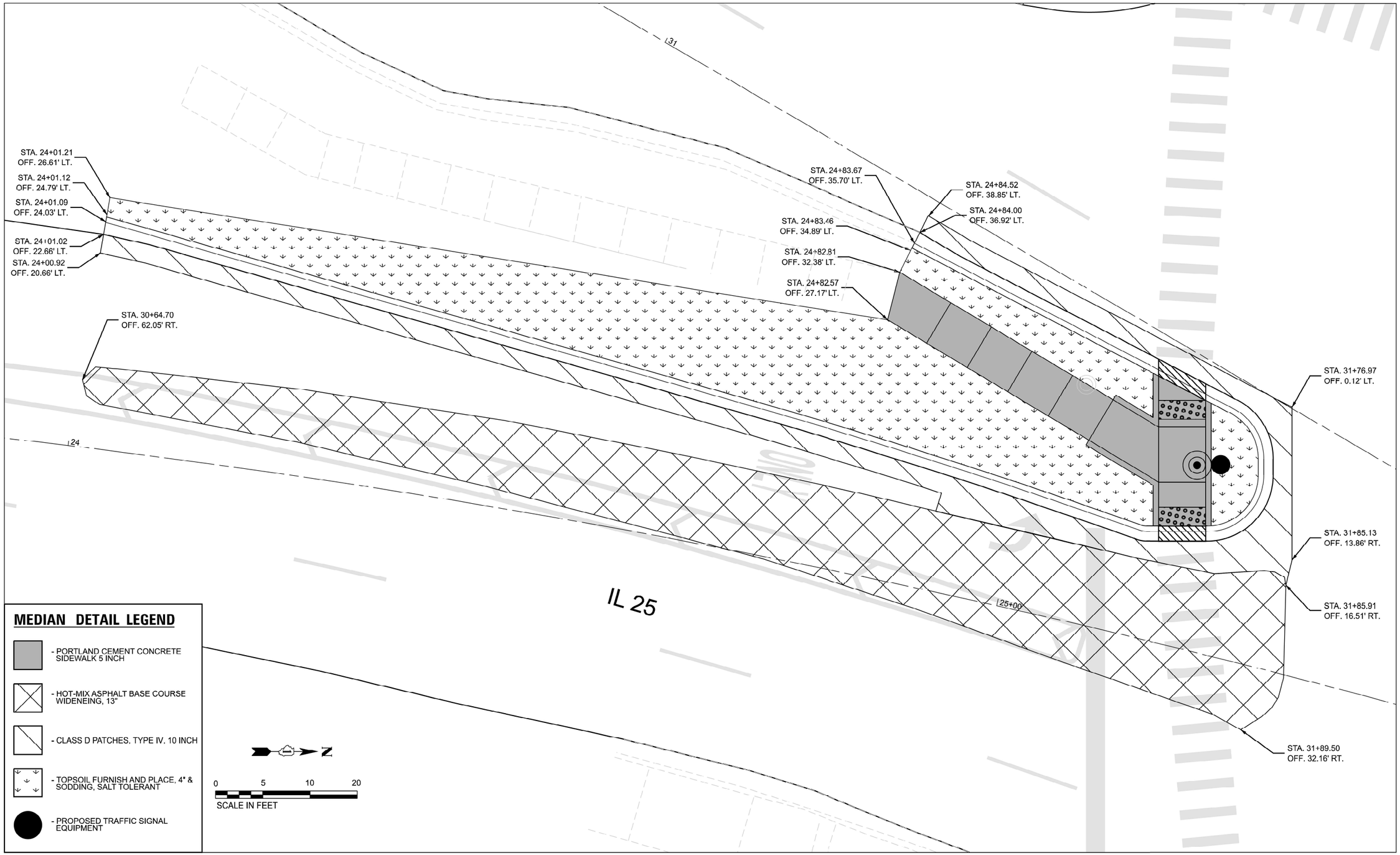
		ILLINOIS	FED. AID PROJECT	



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PENTABLE: SPENTBLS
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PLOT TYPE: 5SHEETNAMES
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Peralte-Clark LLC

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PLOT DATE = 4/22/2025	DATE - 4/1/2025	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN DETAILS
IL ROUTE 25 AND CONGDON AVE

SCALE: 1" = 5' | SHEET 1 OF 4 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	57
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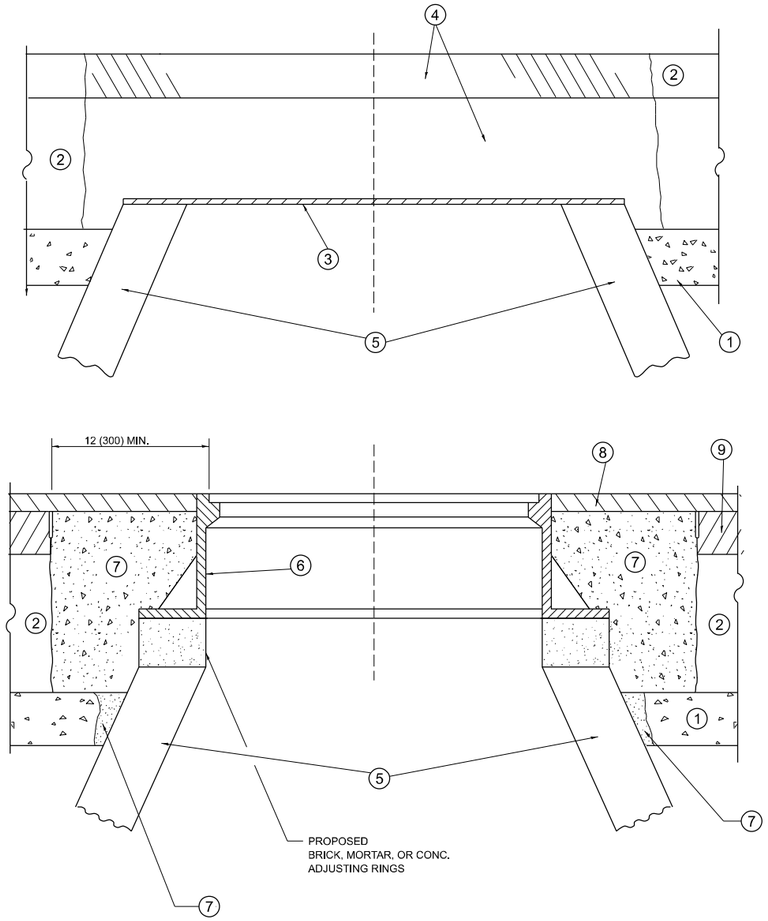
		ILLINOIS	FED. AID PROJECT	



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.

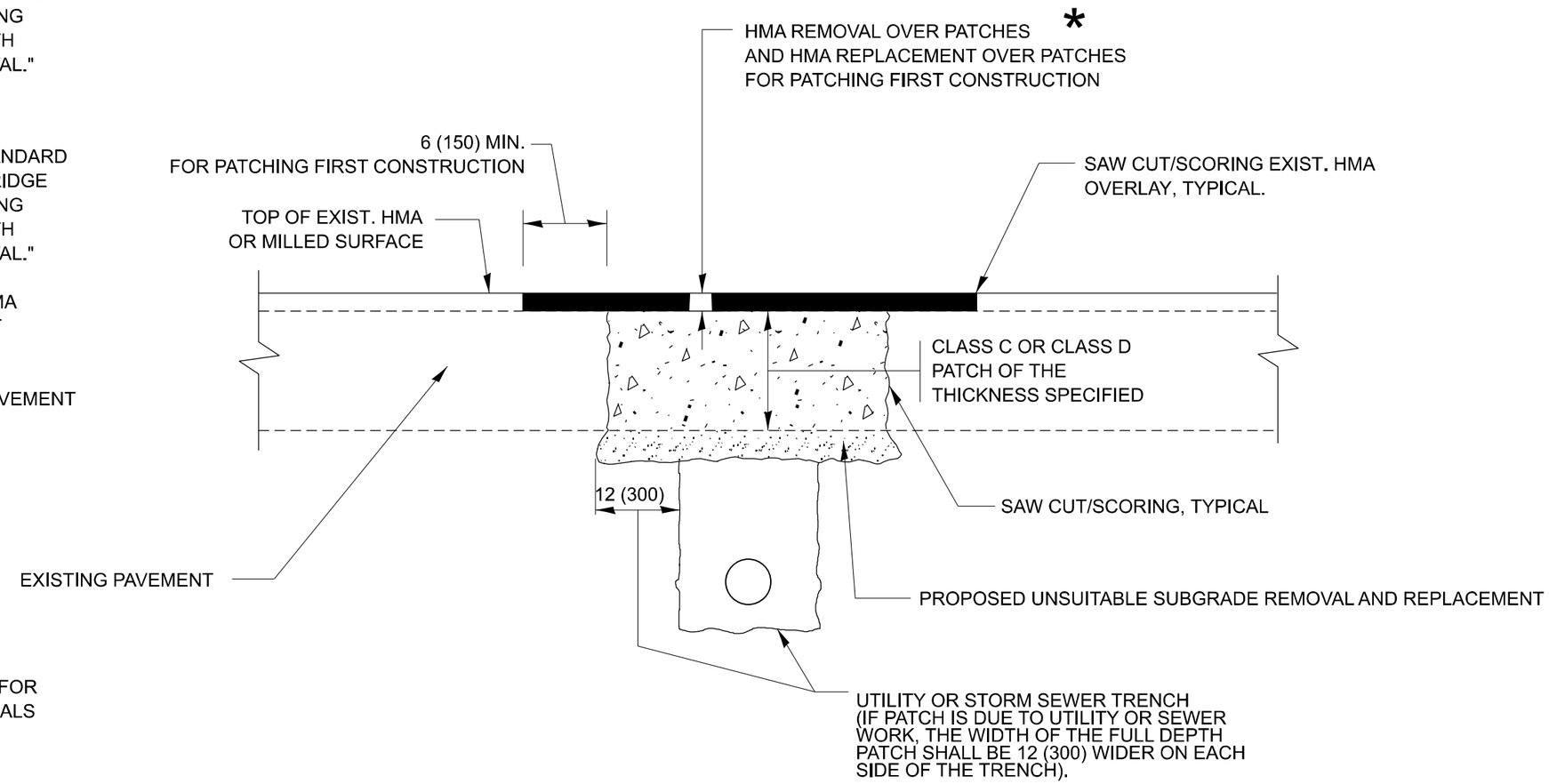
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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.

MODEL: BD-22 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-DistStds.dgn

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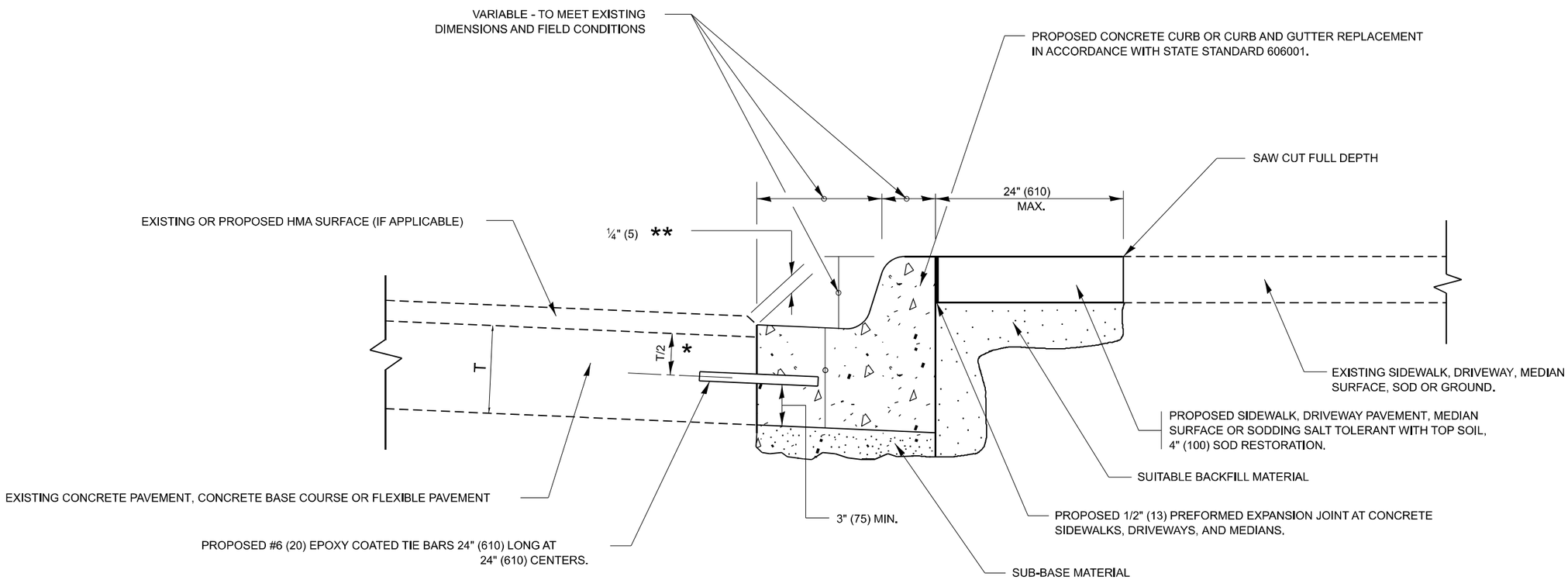
	DRAWN -	REVISED - R. BORO 09-04-07			
	CHECKED -	REVISED - K. ENG 10-27-08			
PLOT DATE = 3/5/2025	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	59
BD400-04 (BD-22)		CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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	DRAWN -	REVISED - M. GOMEZ 01-22-01	
	CHECKED -	REVISED - R. BORO 12-15-09	
PLOT DATE = 3/5/2025	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.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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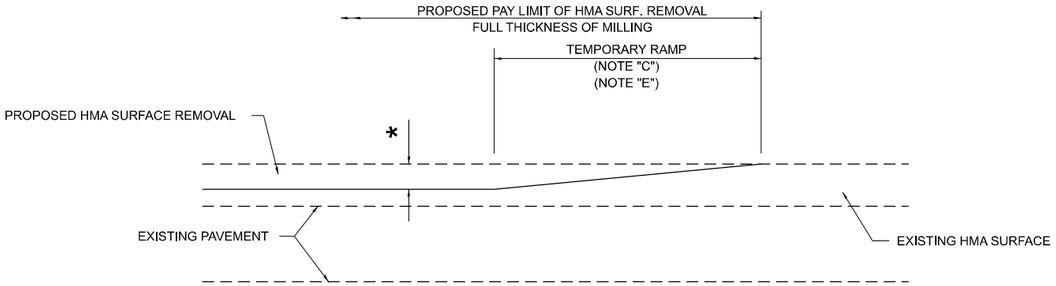
BD600-06 (BD-24) CONTRACT NO. 62X59

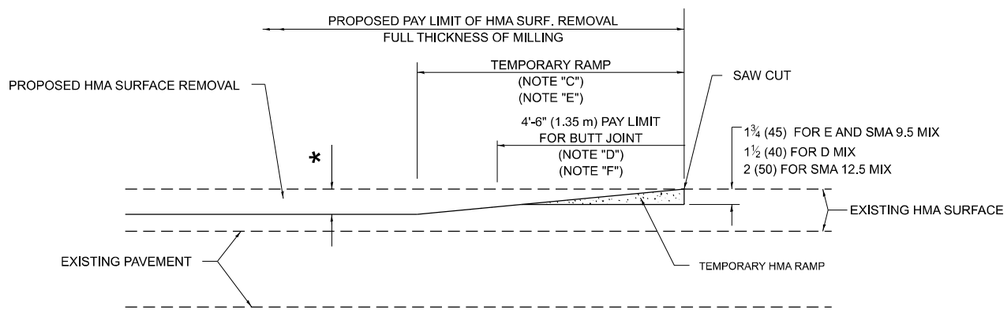
ILLINOIS FED. AID PROJECT



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

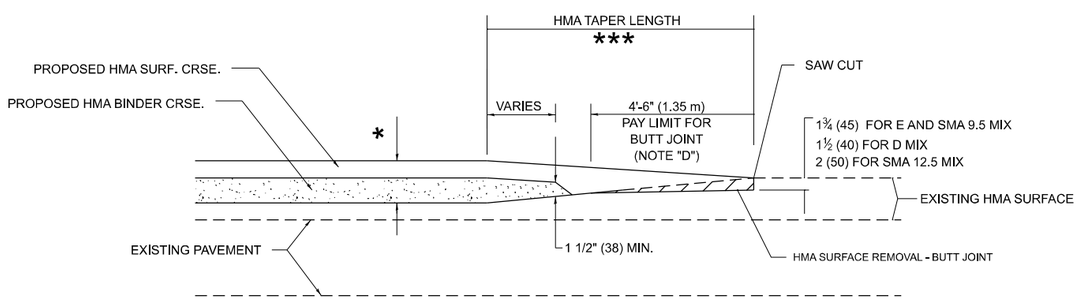


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

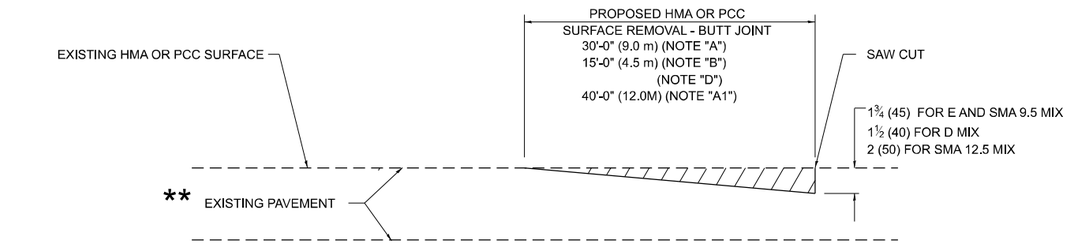
OPTION 2

TYPICAL TEMPORARY RAMP

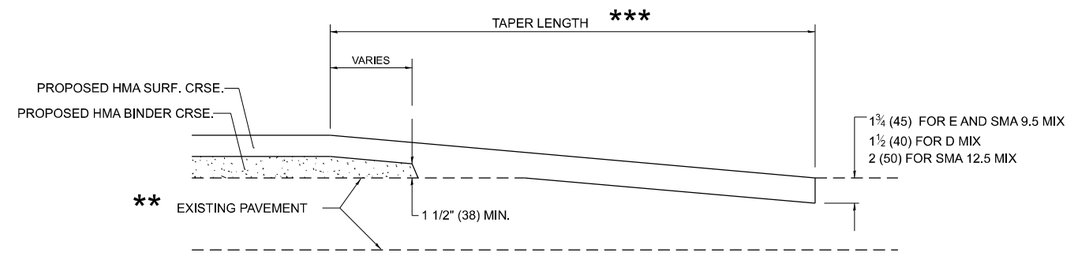


BUTT JOINT AND HMA TAPER

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.

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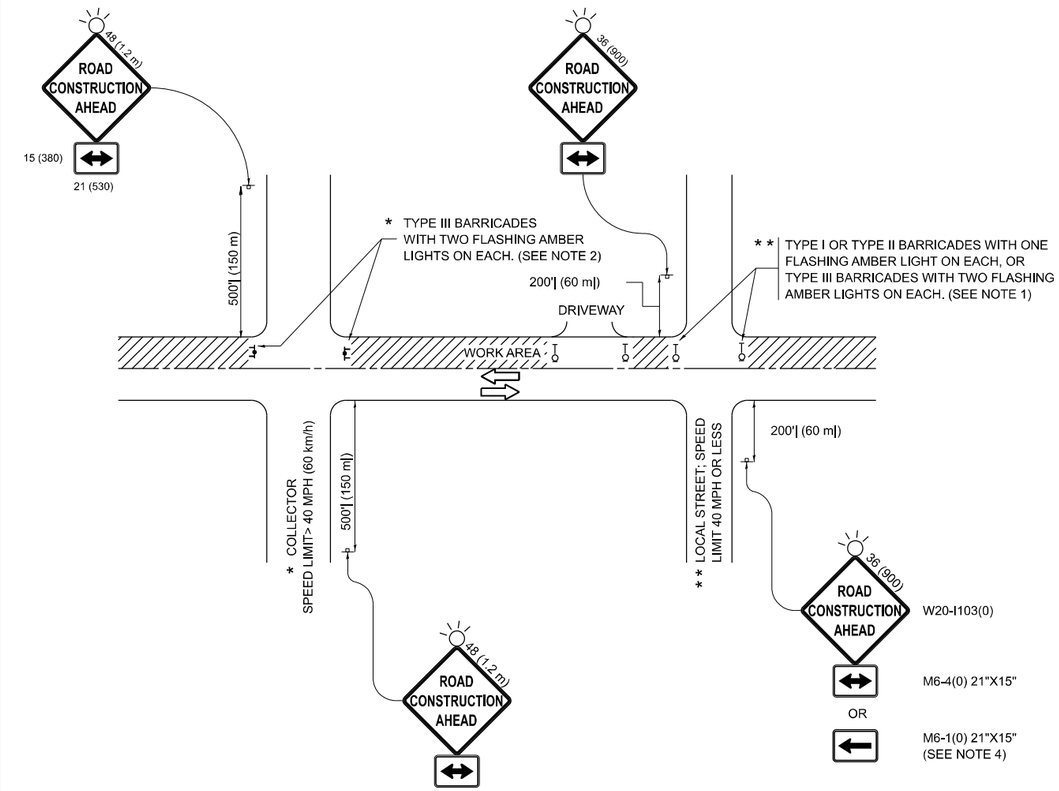
	DRAWN -	REVISED - M. GOMEZ 04-06-01	
	CHECKED -	REVISED - R. BORO 01-01-07	
PLOT DATE = 3/5/2025	DATE - 06-13-90	REVISED - K. SMITH 11-18-22	

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	61
BD400-05 BD-32		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) 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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FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - A. SCHUETZE 07-01-13	
	CHECKED -	REVISED - A. SCHUETZE 09-15-06	
PLOT DATE = 3/5/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-24	

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

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	62
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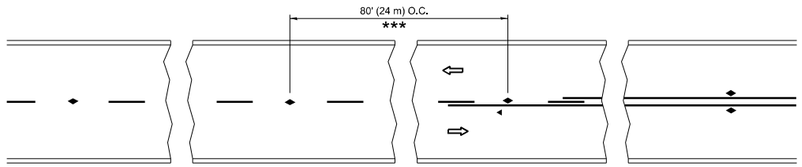
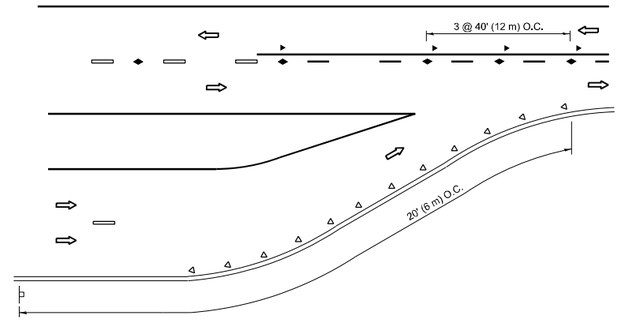
	ILLINOIS	FED. AID PROJECT		



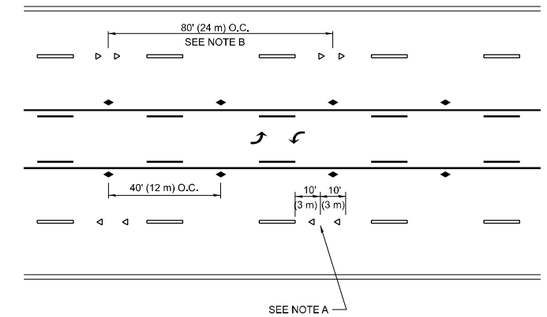
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

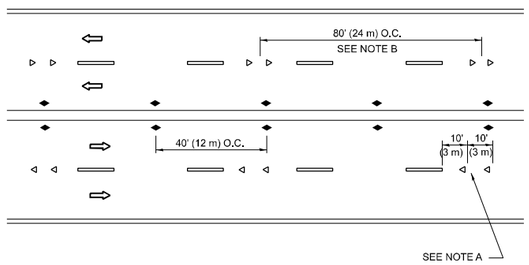
SEE FIGURE 3B-14 MUTCD



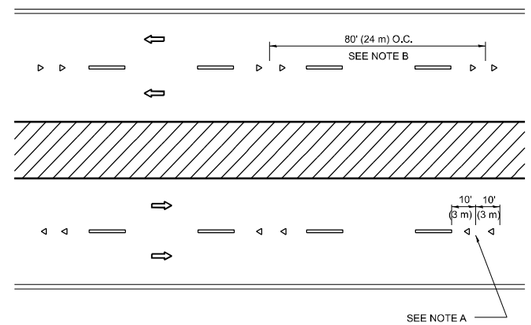
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

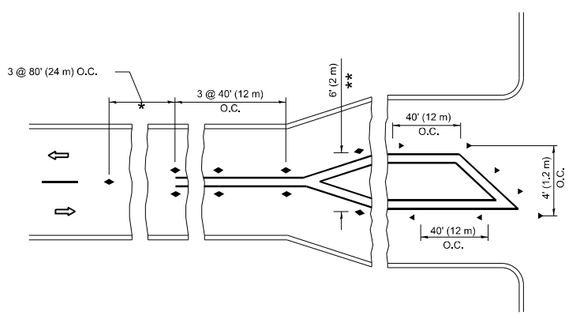
LANE MARKER NOTES

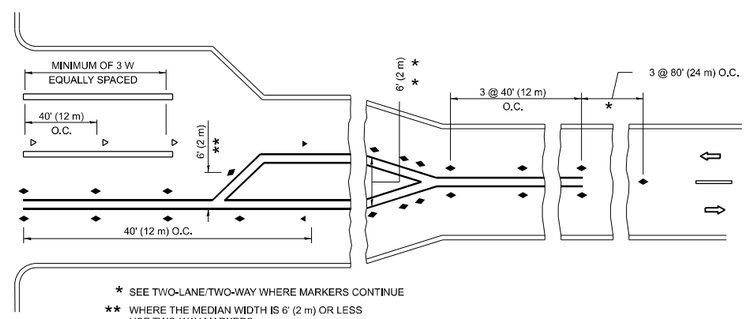
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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





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

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

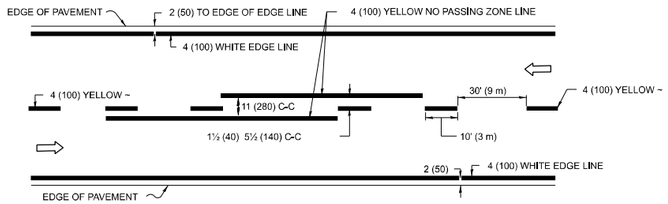
TURN LANES

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

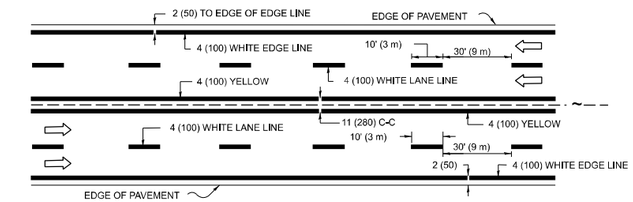
MODEL: TC-11 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED - T. RAMMACHER 03-12-99	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00			
	CHECKED -	REVISED - C. JUCIUS 09-09-09			
PLOT DATE = 3/5/2025	DATE -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

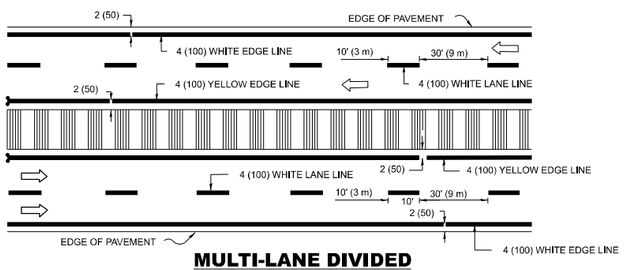
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	63
TC-11		CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



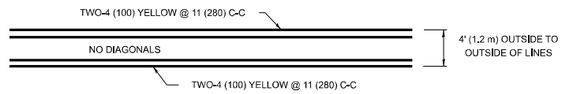
MULTI-LANE UNDIVIDED



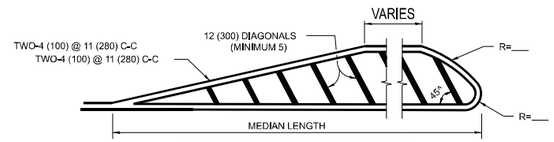
MULTI-LANE DIVIDED

WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



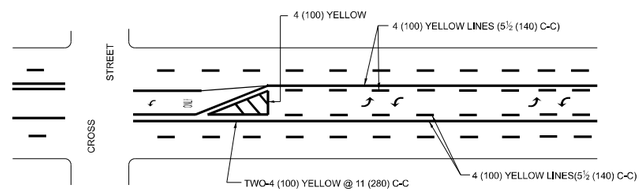
4' (1.2 m) WIDE MEDIANS ONLY



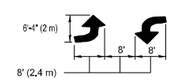
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

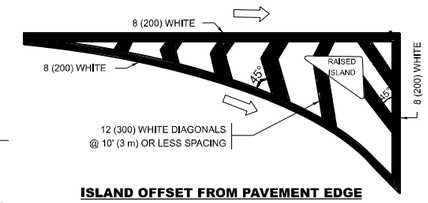


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

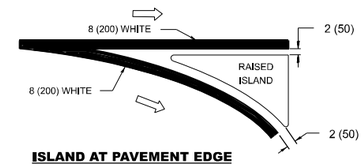


MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

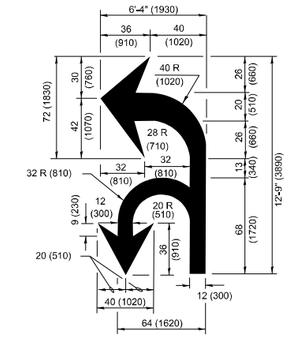


ISLAND OFFSET FROM PAVEMENT EDGE

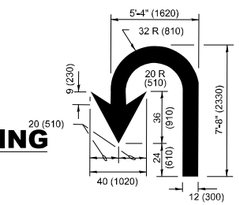


ISLAND AT PAVEMENT EDGE

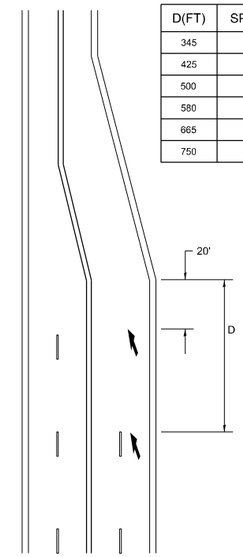
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



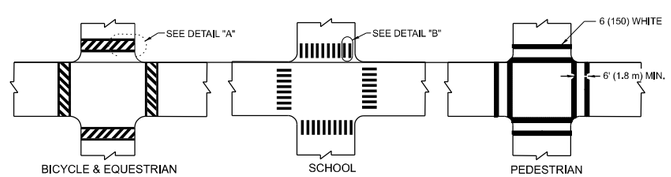
U-TURN

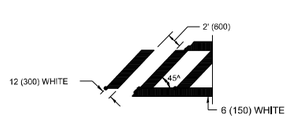


D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

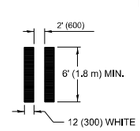
LANE REDUCTION TRANSITION

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





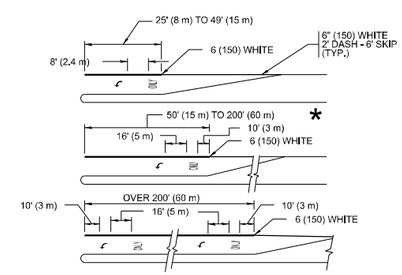
DETAIL "A"



DETAIL "B"

TYPICAL CROSSWALK MARKING

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



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW 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
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

MODEL: TC-13 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul\d1052107D105125-sht-DistStds.dgn

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	DRAWN -	REVISED - C. JUCIUS 07-01-13	
	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/5/2025	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	64
	TC-13	CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

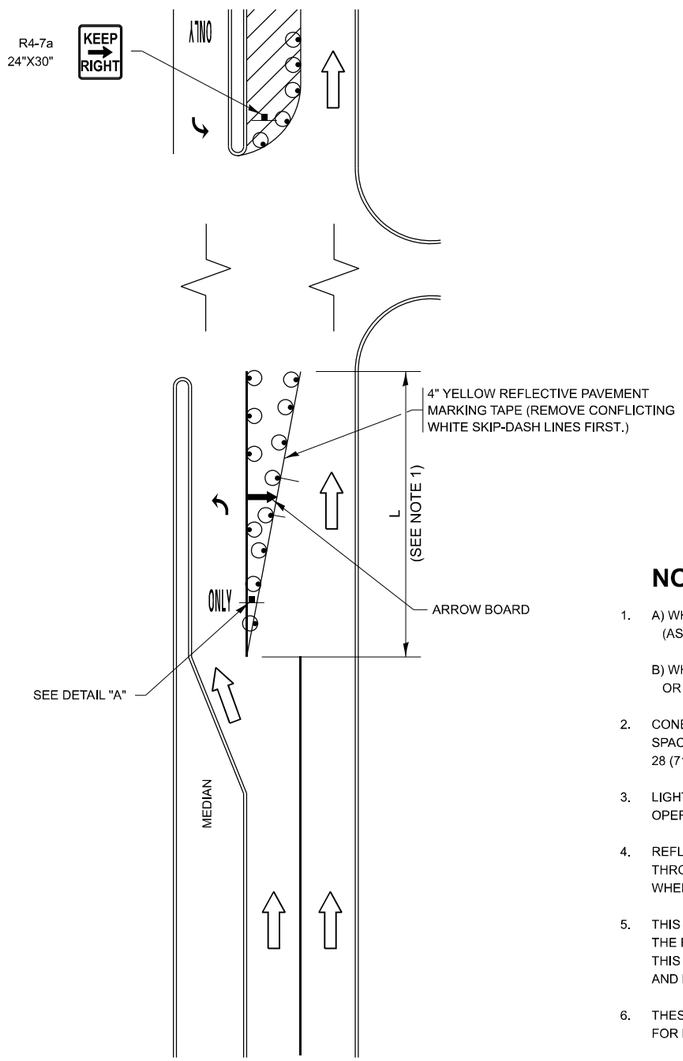


FIGURE 1

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

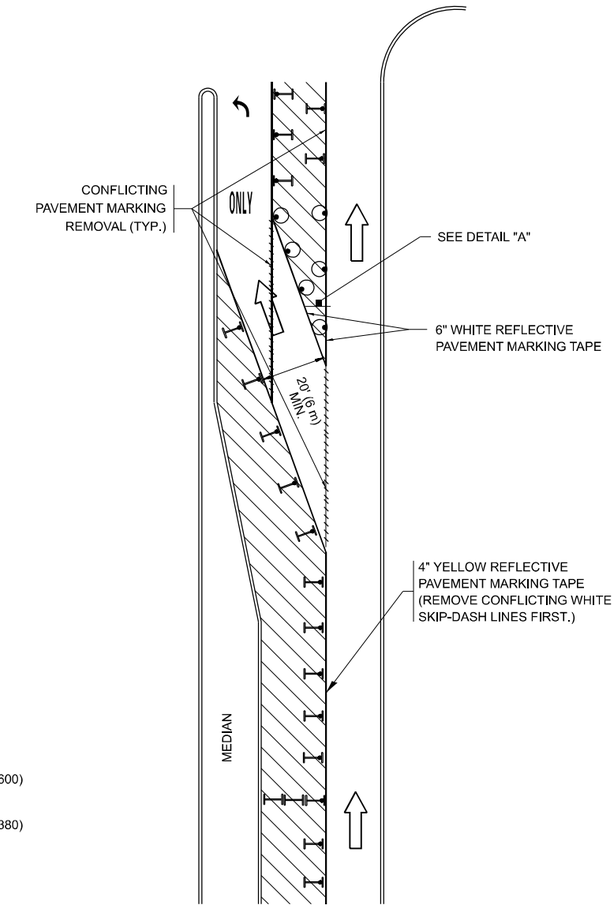
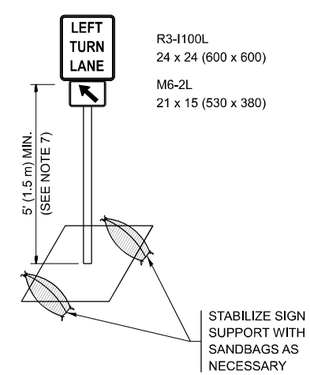


FIGURE 2



DETAIL A

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

MODEL: TC-14 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-DistStds.dgn

USER NAME = nicholas.babul	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 = 3/5/2025	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.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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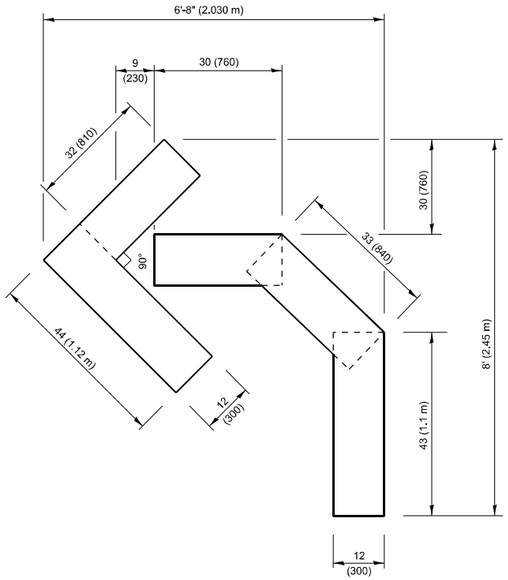
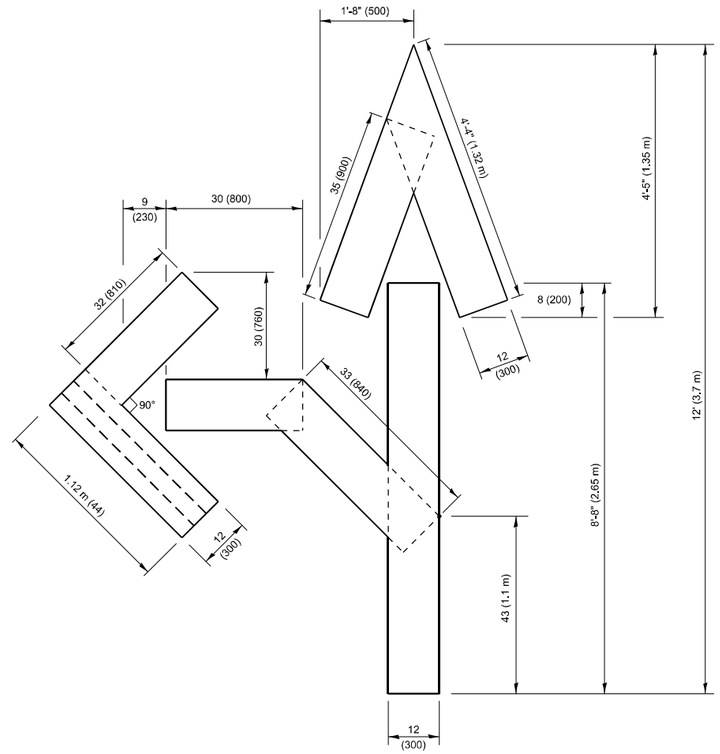
	TC-14	CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		



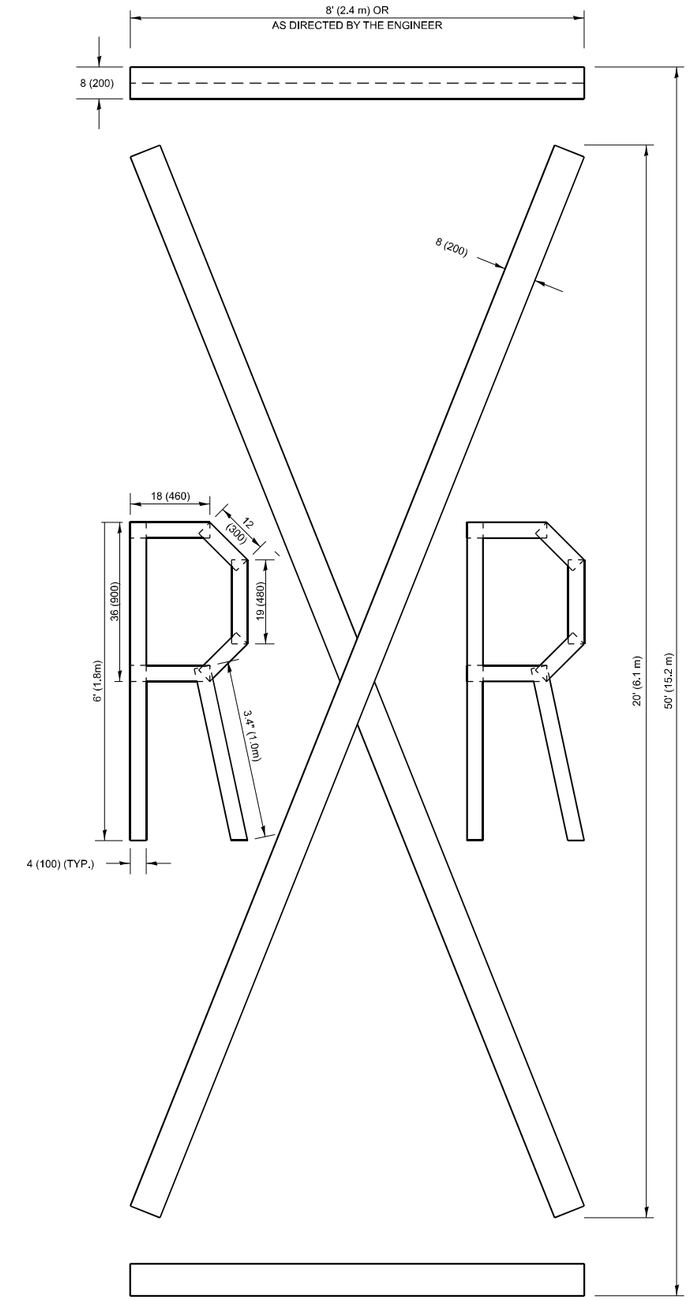
QUANTITY

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



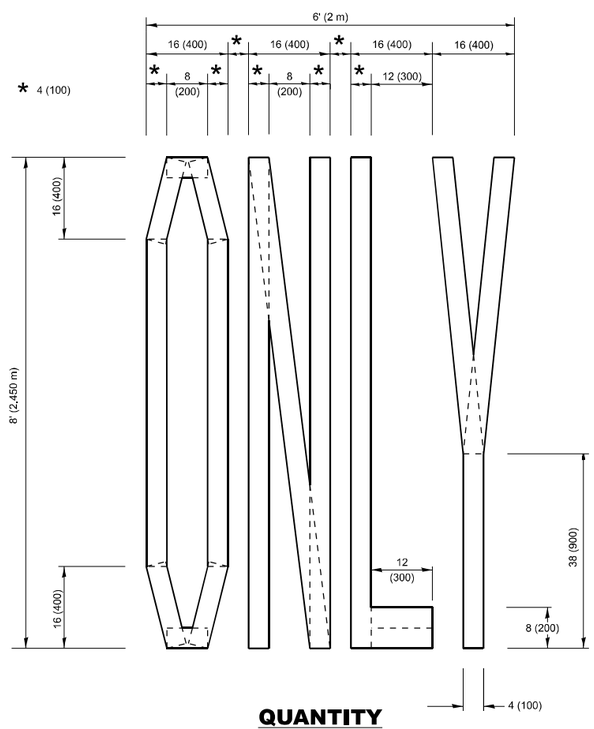
QUANTITY

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



QUANTITY

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



QUANTITY

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

NOTE:

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

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

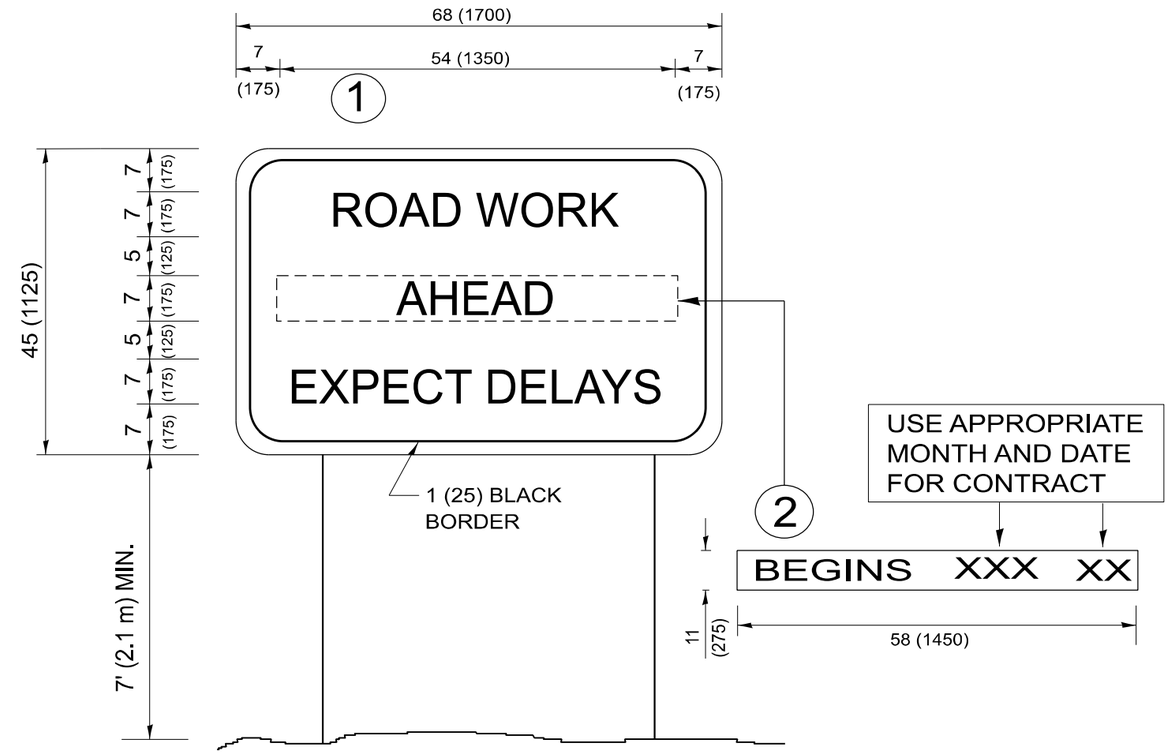
MODEL: TC-16 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105123-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/5/2025	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	66
	TC-16	CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		



NOTES:

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

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

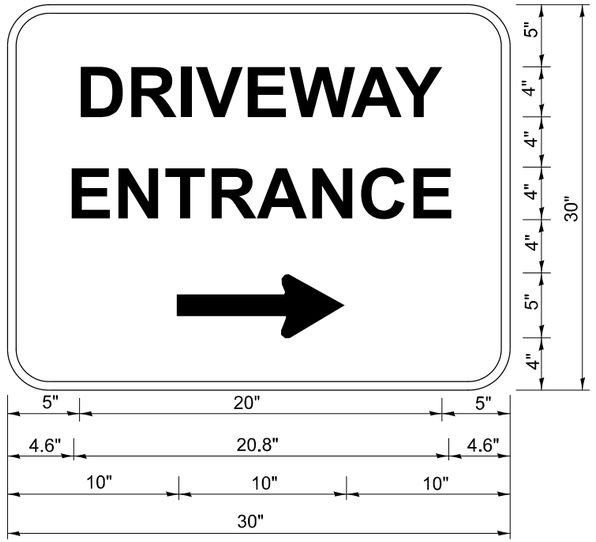
MODEL: TC-22 [Sheet]
FILE NAME: c:\pw_work\pwidot\nicholas.babul@illinois.gov\d1052107\D105125-sht-DistStds.dgn

USER NAME = nicholas.babul	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED - R. MIRS 12-11-97	
	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 3/5/2025	DATE -	REVISED - C. JUCIUS 01-31-07	

ARTERIAL ROAD INFORMATION SIGN

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	67
	TC-22	CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		

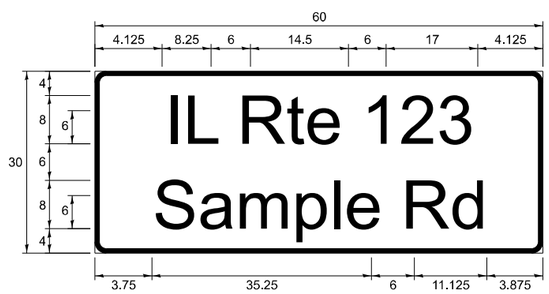


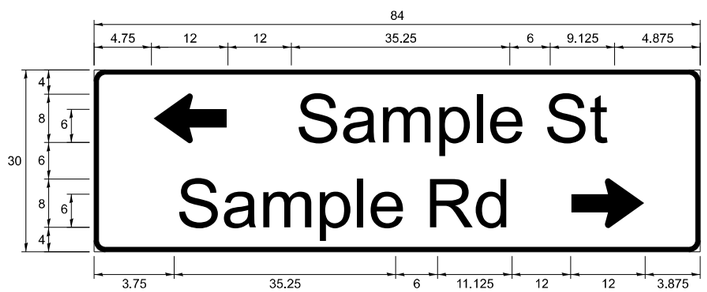
3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

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".

SIGN PANEL - TYPE 1 OR TYPE 2





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

.

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

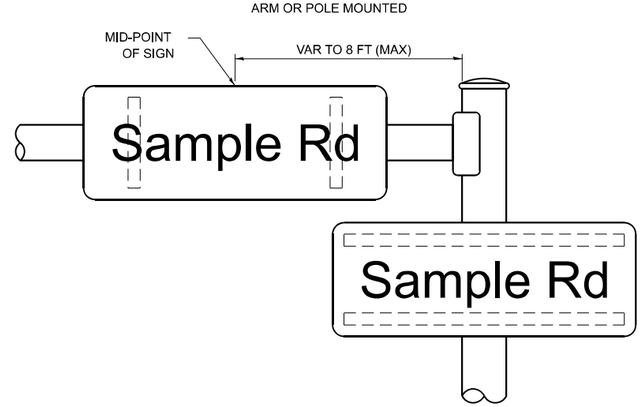
GENERAL NOTES

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 ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
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 IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
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 REQUIREMENT 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.

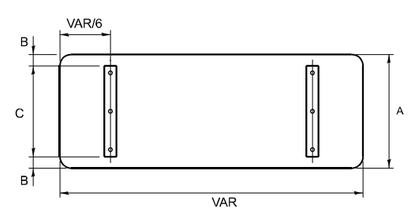
LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

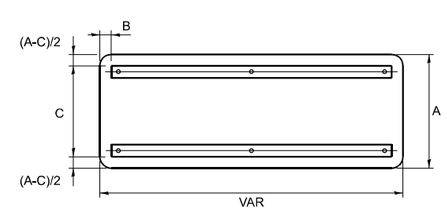
MOUNTING LOCATION



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

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

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	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 - IP	REVISED -	
PLOT DATE = 3/5/2025	DATE - 10/01/2014	REVISED -	

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	69
	TS-02	CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
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 OPTICALLY PROGRAMMED	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		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H H	H H
DOUBLE HANDHOLE		
JUNCTION BOX	J	J
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RR	RR
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE 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	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G Y G P	R Y G Y G P
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G Y G P RB	R Y G Y G P RB
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

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	DRAWN - IP	REVISED -	
	CHECKED - LP	REVISED -	
PLOT DATE = 3/5/2025	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	70
	TS-05	CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

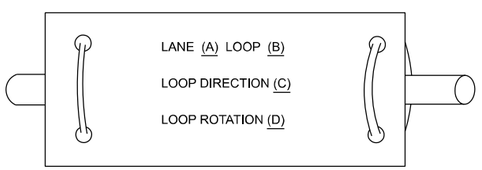
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

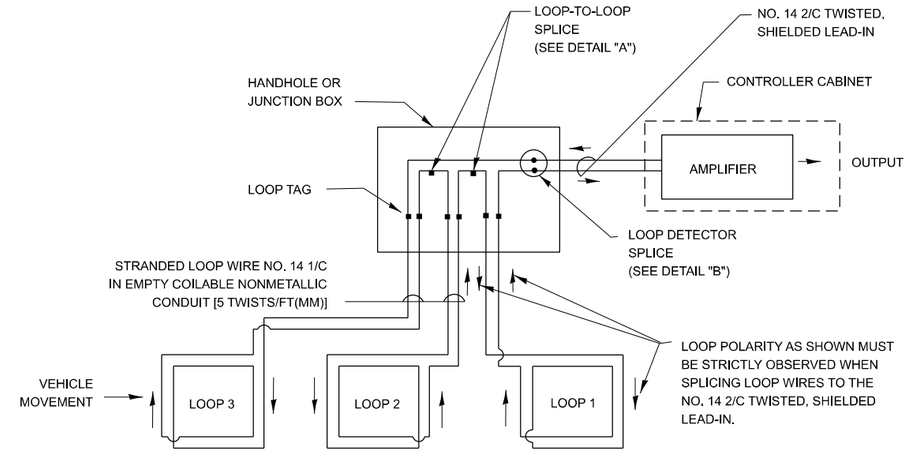


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

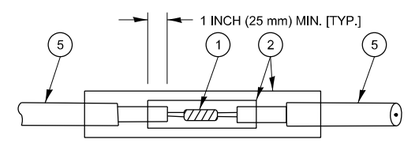
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

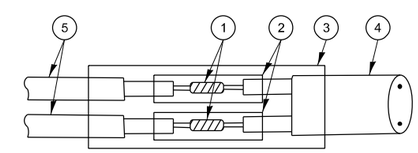


DETECTOR LOOP WIRING SCHEMATIC

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

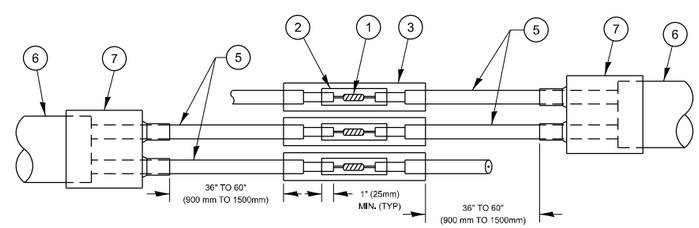


DETAIL "A"
LOOP-TO-LOOP SPLICE



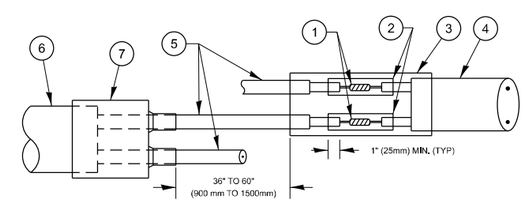
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



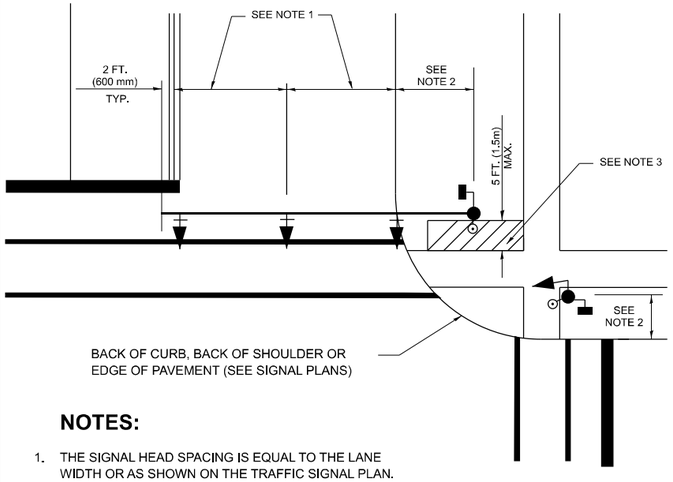
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

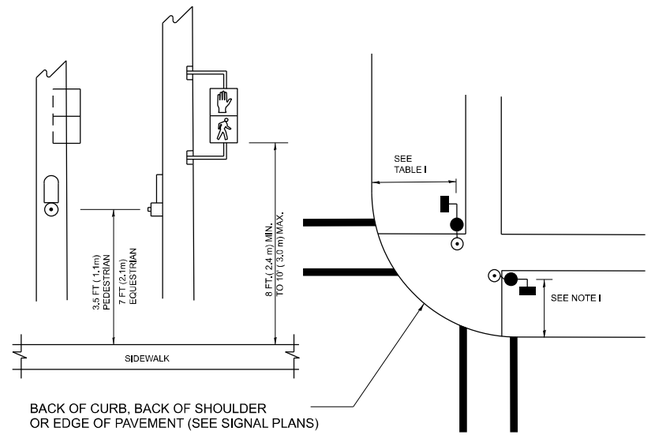
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

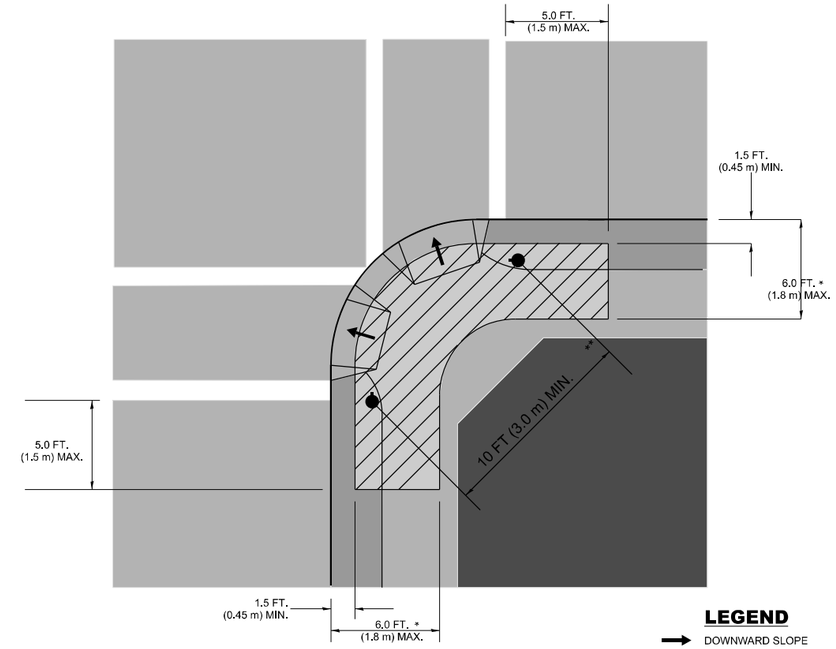
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

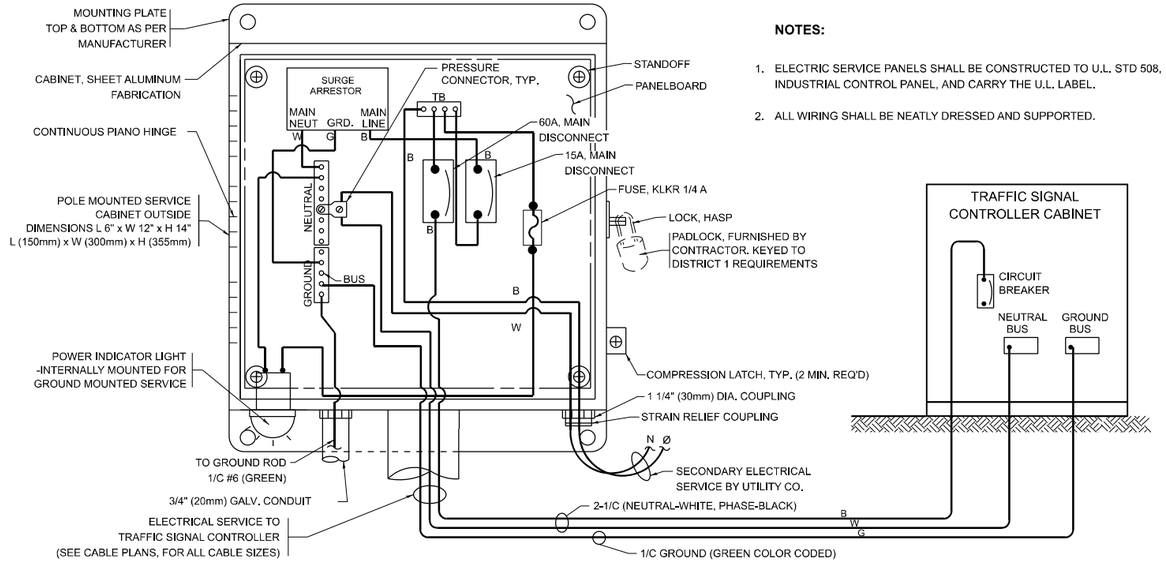
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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



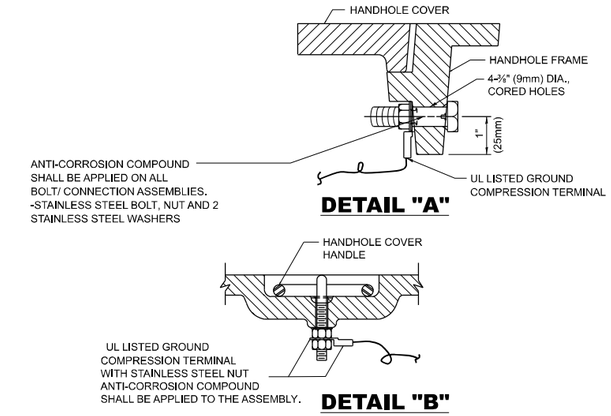
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

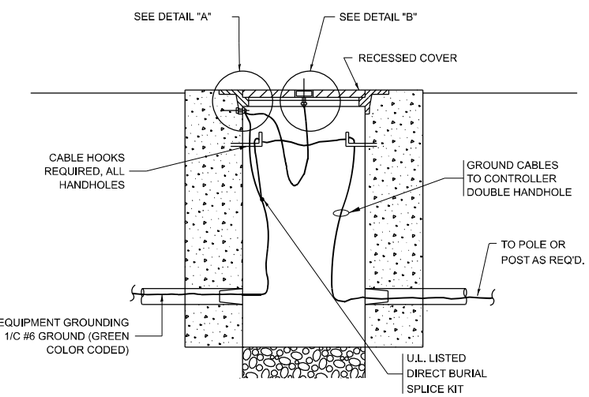
(NOT TO SCALE)



NOTES:

GROUNDING SYSTEM

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

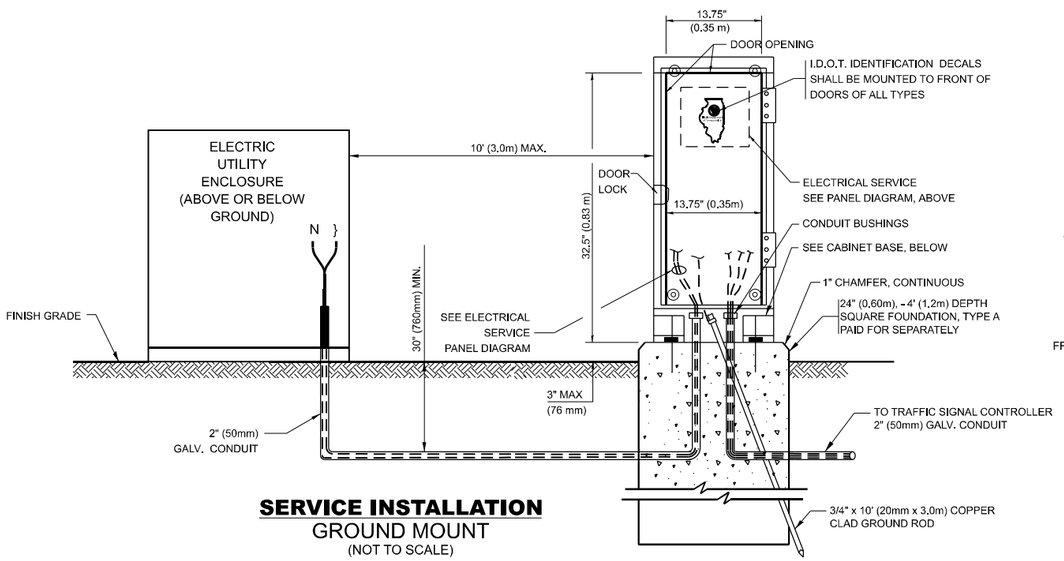


HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)

NOTES:

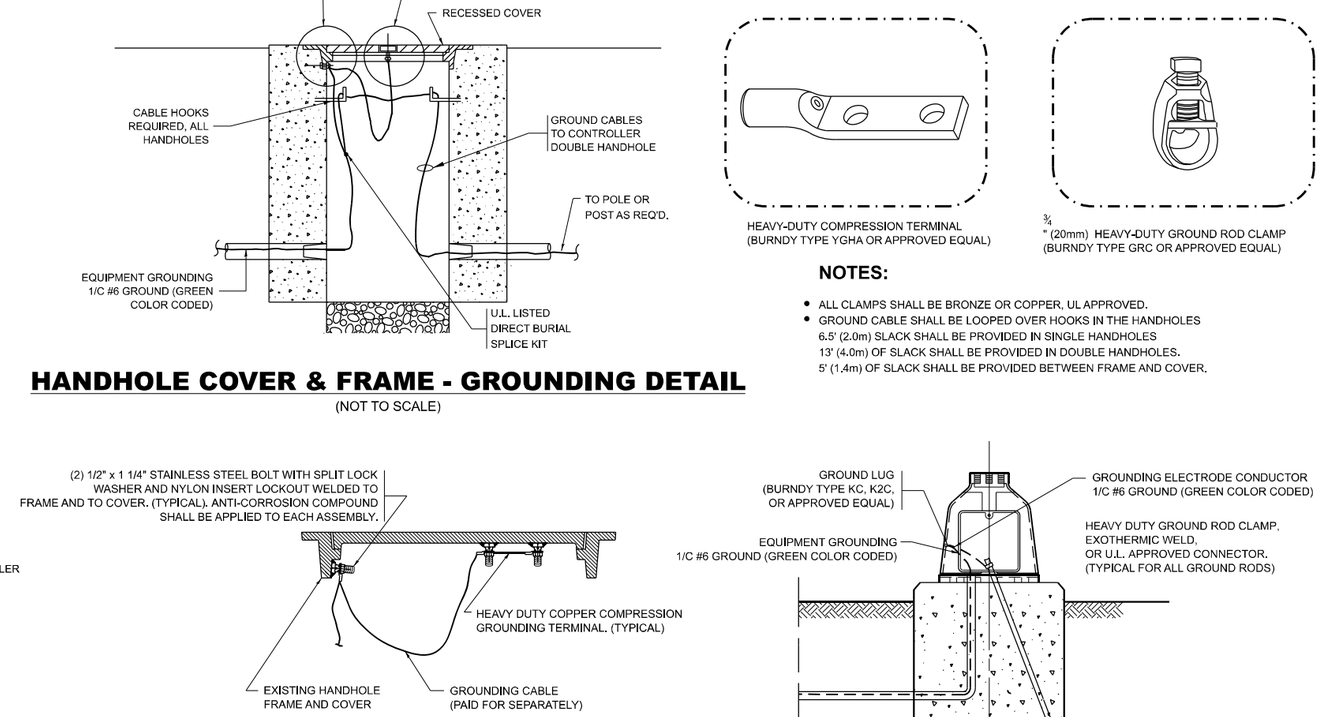
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



SERVICE INSTALLATION

GROUND MOUNT

(NOT TO SCALE)

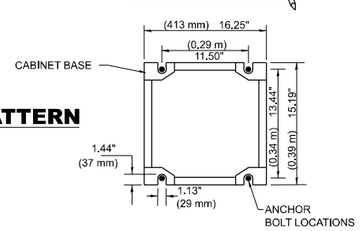


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)

MAST ARM POLE / POST-GROUNDING DETAIL

(NOT TO SCALE)



CABINET - BASE BOLT PATTERN

(NOT TO SCALE)

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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/5/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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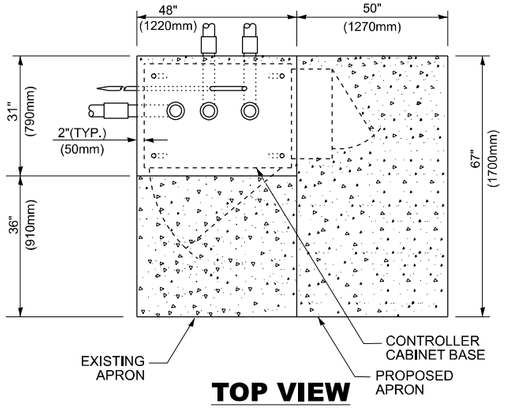
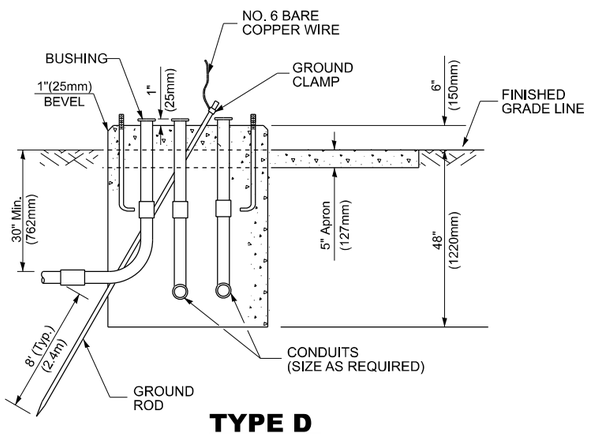
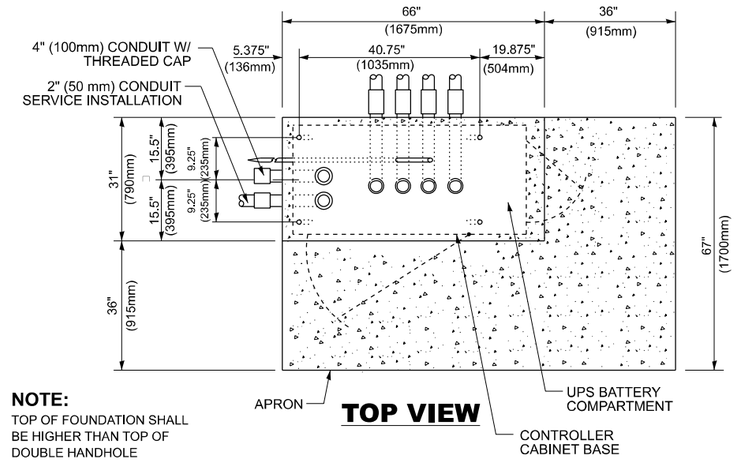
	TS-05	CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		



TOP VIEW

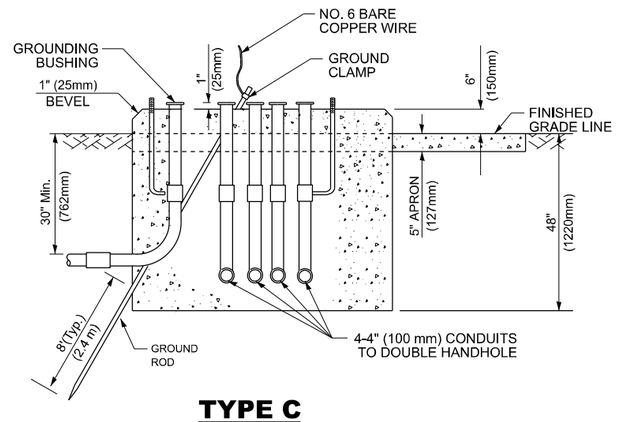


TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

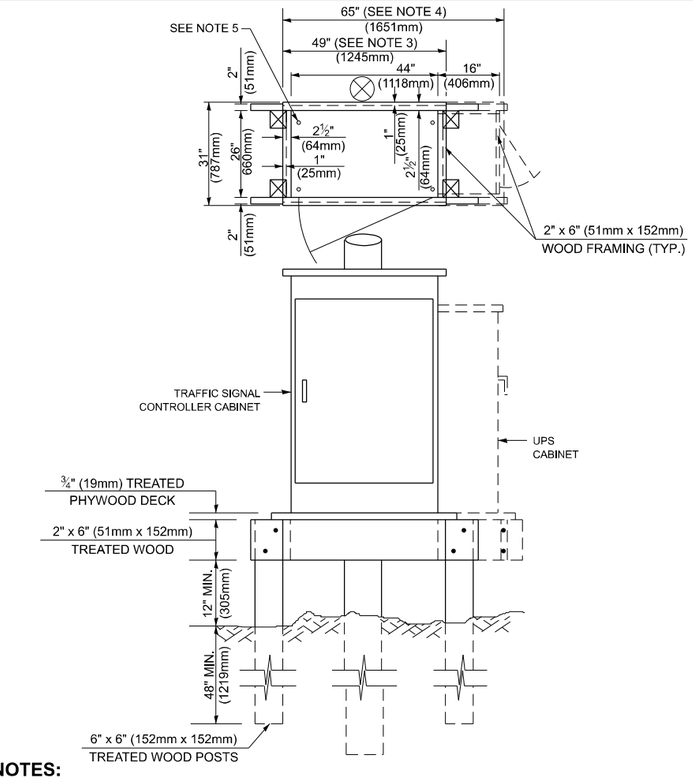


NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



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



NOTES:

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

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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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.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	74
	TS-05	CONTRACT NO. 62X59		
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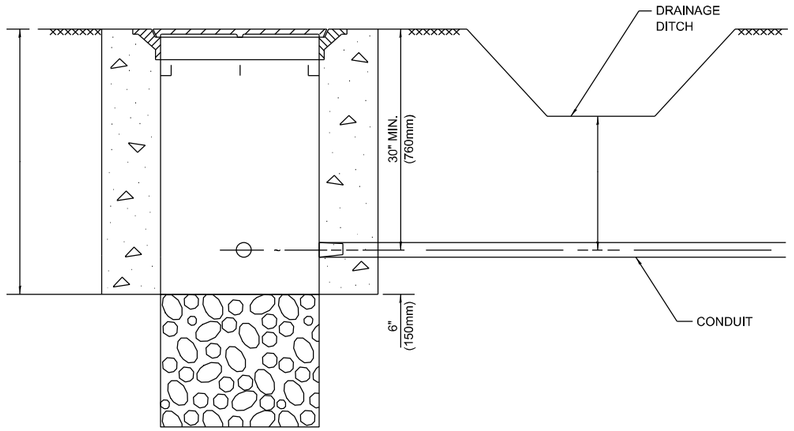
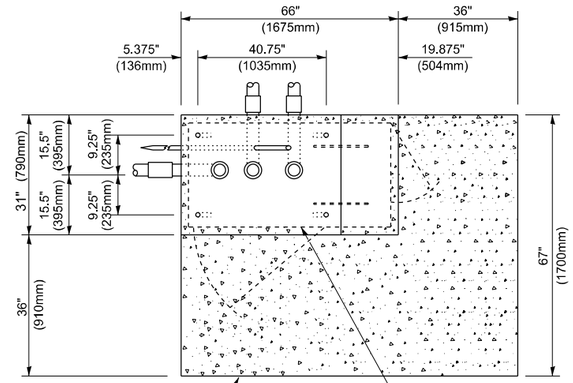


NOTES:

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

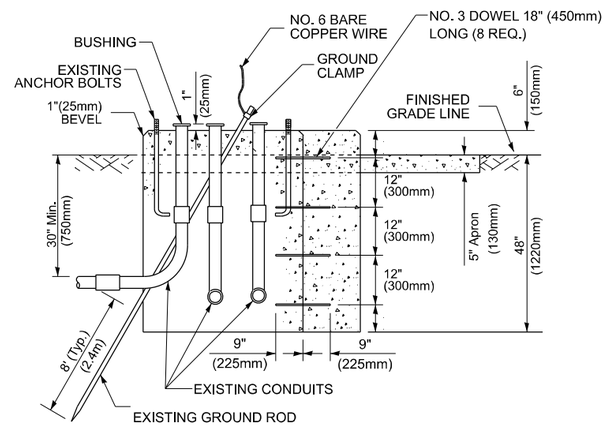
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



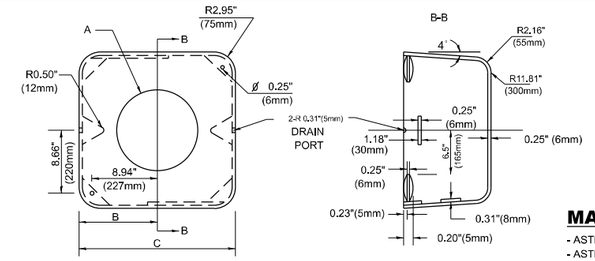
TOP VIEW

(NOT TO SCALE)



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

(NOT TO SCALE)



MATERIAL

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

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

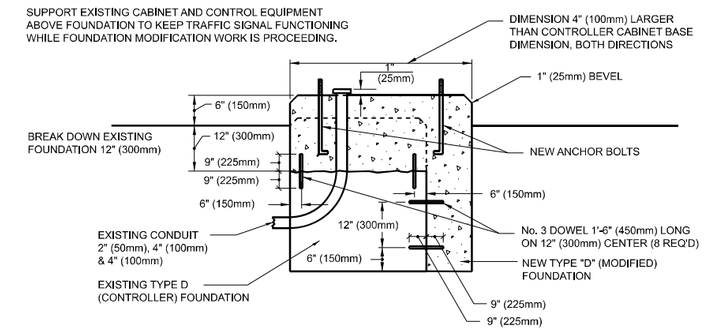
SHROUD

NOTES:

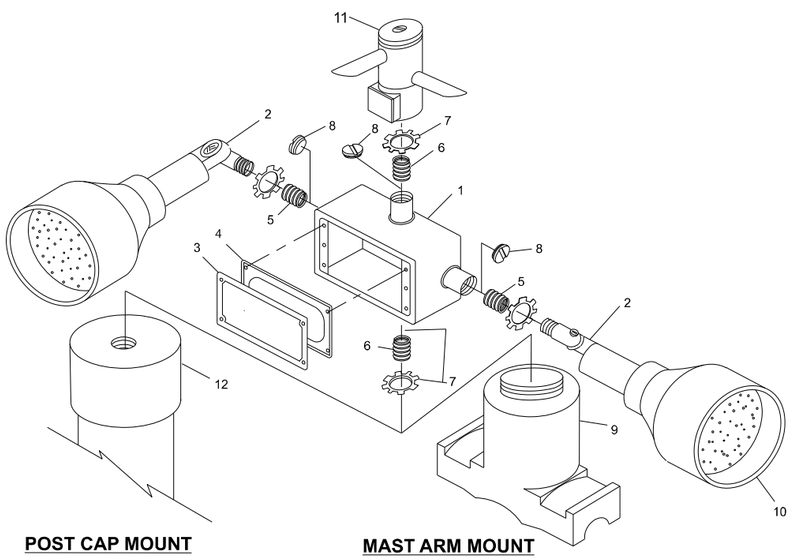
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

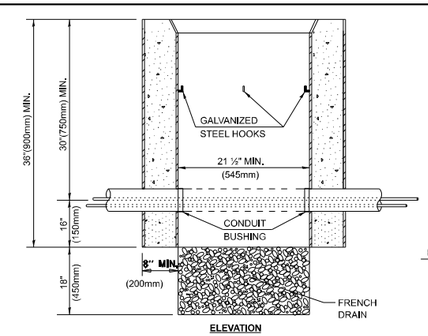
MAST ARM MOUNT

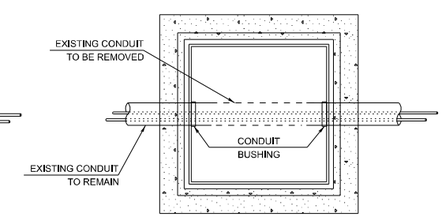
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾" (19 mm) CLOSE NIPPLE
7	¾" (19 mm) LOCKNUT
8	¾" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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





NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

MODEL: TS-05F [Sheet]
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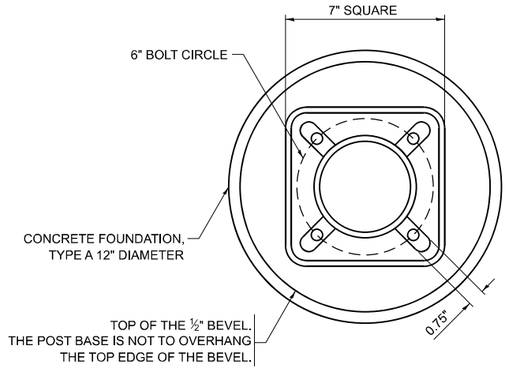
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/5/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

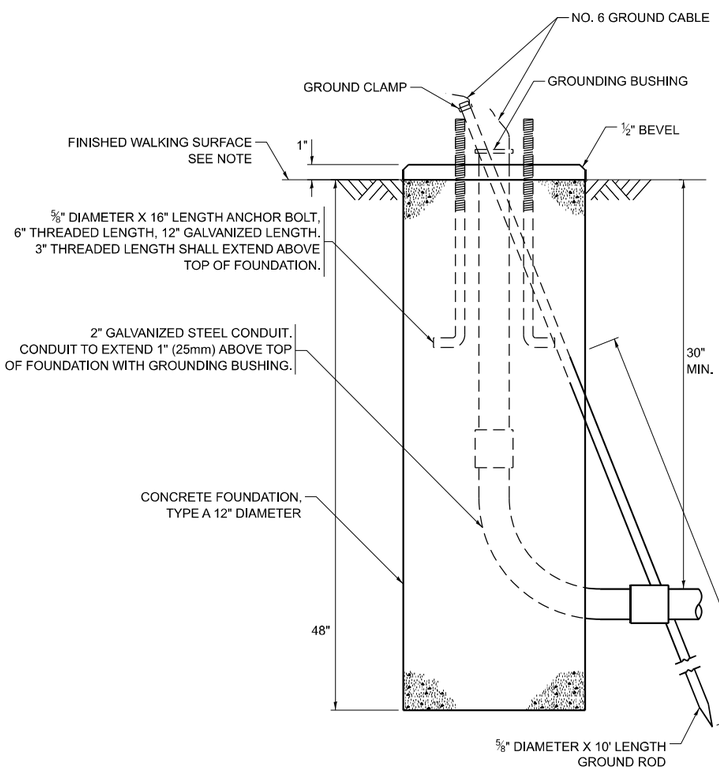
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	75
	TS-05	CONTRACT NO. 62X59		
		ILLINOIS FED. AID PROJECT		



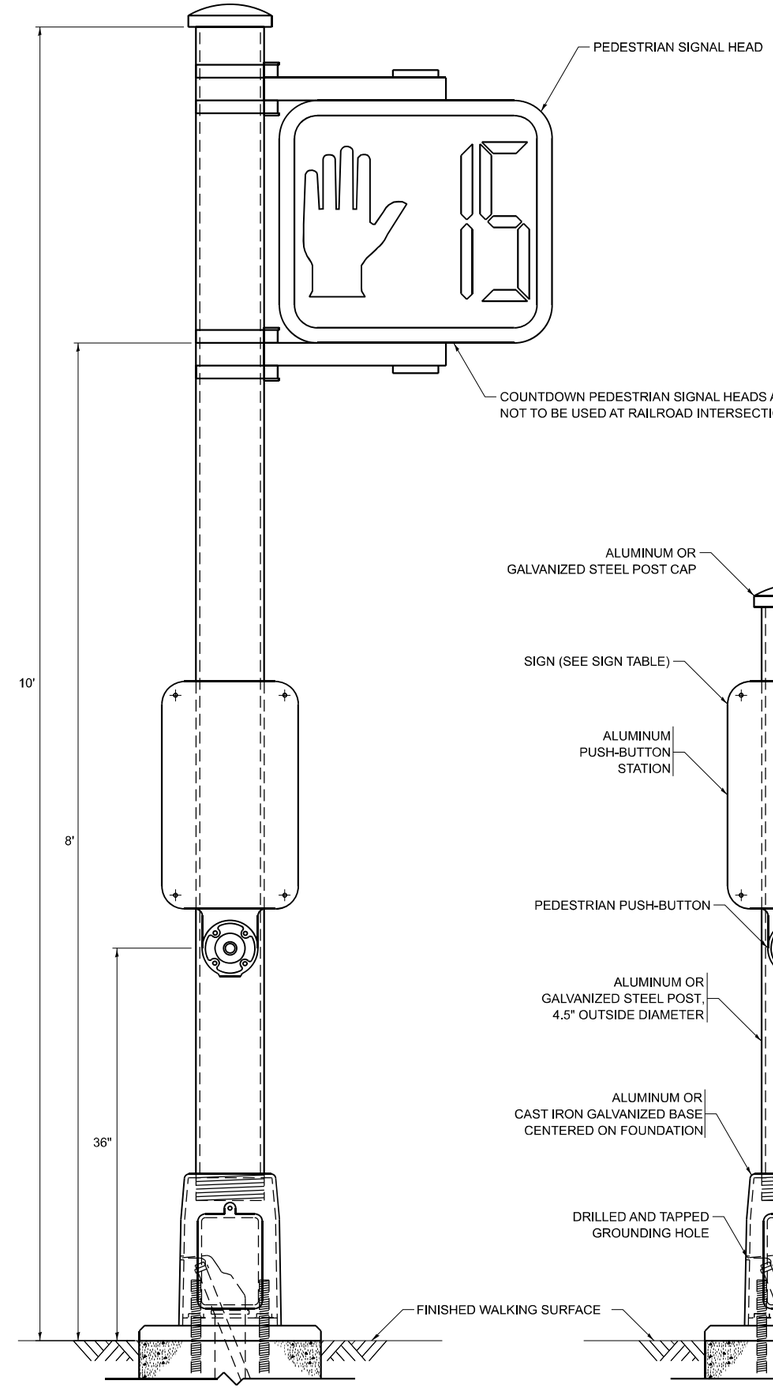
BOLT PATTERN

NOTE:

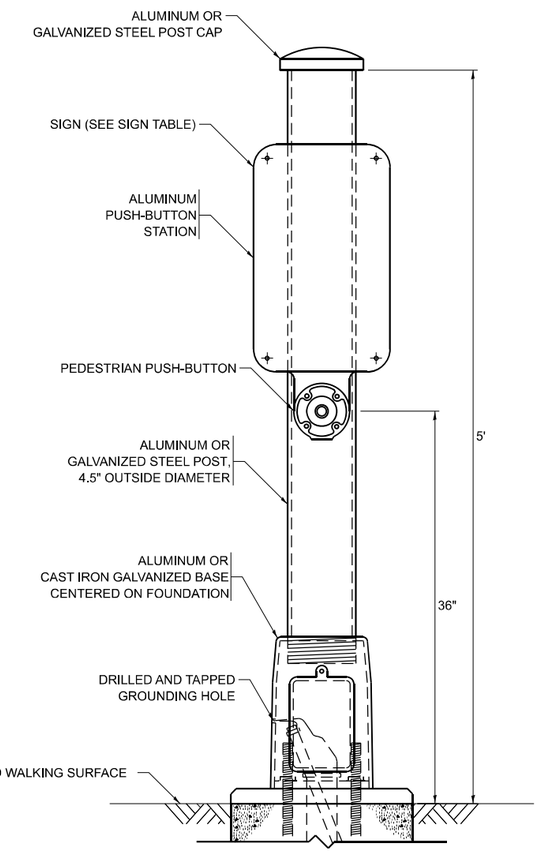
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



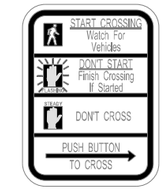
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.

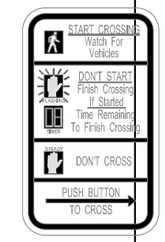


PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b

R10-3d



R10-3e

SIGN TABLE

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

NOTES:

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

MODEL: TS-05G [Sheet]
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	DRAWN - IP	REVISED -	
	CHECKED - LP	REVISED -	
PLOT DATE = 3/5/2025	DATE - 10-15-2018	REVISED -	

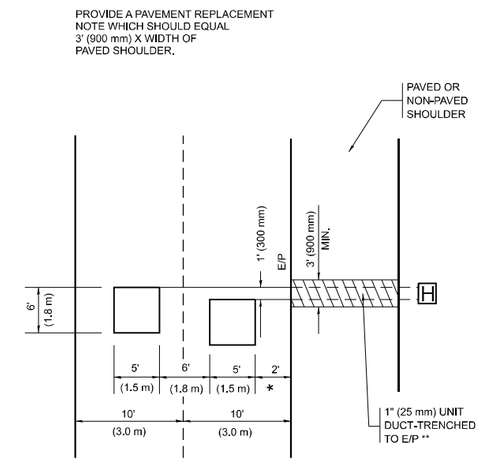
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	76
	TS-05	CONTRACT NO. 62X59		
	ILLINOIS	FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

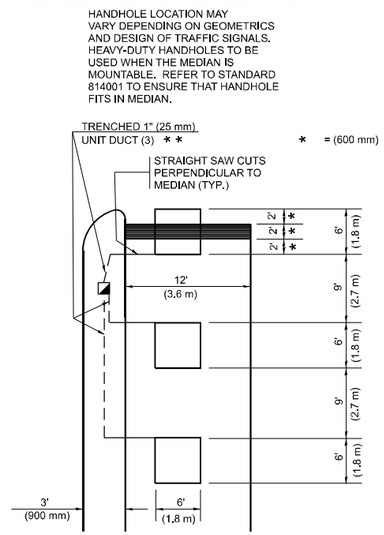


* = (600 mm)

* * 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)

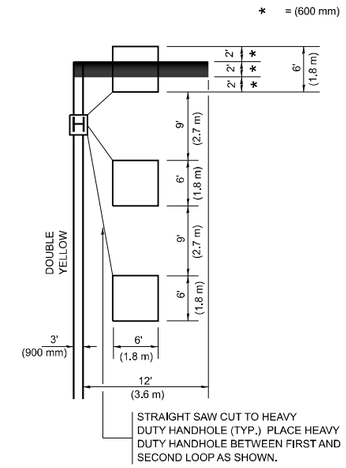


* * UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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)



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.

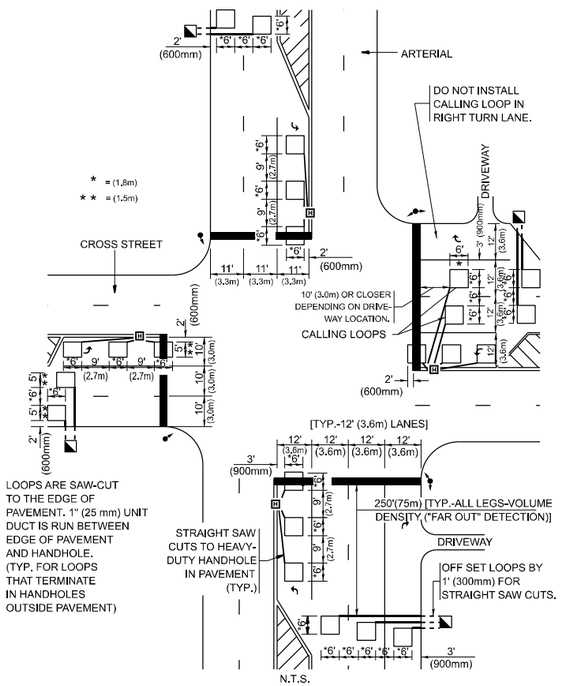
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

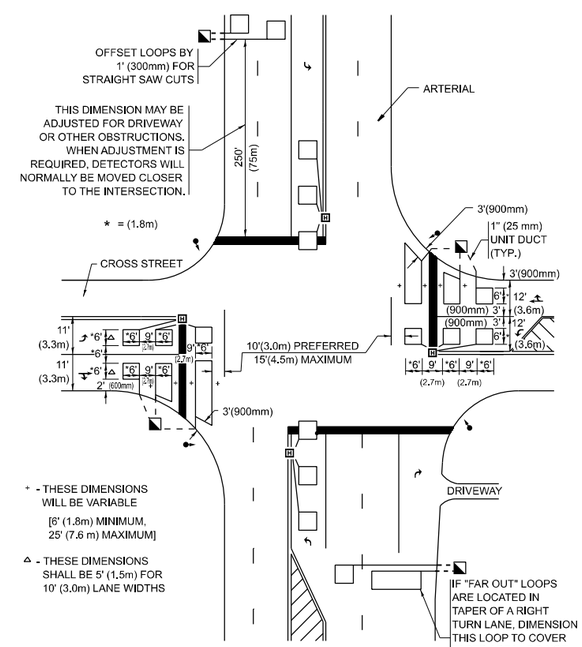
ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



N.T.S.

DETAIL 1

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



N.T.S.

DETAIL 2

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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/5/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: | DISTRICT 1 | CREATED - | APPROVED | DATA

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2024-1017-RS	KANE	77	77
		CONTRACT NO. 62X59		
		ILLINOIS	FED. AID PROJECT	

R.K.F.

TS-07

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